

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110918\
 Data File : VN052229.D
 Acq On : 9 Nov 2018 15:53
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Nov 11 23:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Sun Nov 11 23:43:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	303280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	521690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	215973	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	614833	148.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.46%	
35) Dibromofluoromethane	7.59	113	504570	149.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.64%	
50) Toluene-d8	10.09	98	1996875	150.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.96%	
62) 4-Bromofluorobenzene	12.40	95	672718	157.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	522793	158.560	ug/l	96
3) Chloromethane	2.06	50	689026	149.680	ug/l	100
4) Vinyl Chloride	2.19	62	578510	150.837	ug/l	98
5) Bromomethane	2.56	94	345474	141.972	ug/l	96
6) Chloroethane	2.71	64	326184	143.217	ug/l	99
7) Trichlorofluoromethane	3.02	101	757532	141.888	ug/l	100
8) Diethyl Ether	3.41	74	302453	144.000	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	484488	140.905	ug/l	98
10) Methyl Iodide	3.96	142	727153	163.613	ug/l	100
11) Tert butyl alcohol	4.78	59	141495	683.101	ug/l	99
12) 1,1-Dichloroethene	3.74	96	465914	146.947	ug/l	99
13) Acrolein	3.61	56	270393	944.002	ug/l	96
14) Allyl chloride	4.33	41	984420	148.297	ug/l	97
15) Acrylonitrile	4.99	53	953571	729.745	ug/l	99
16) Acetone	3.82	43	732868	575.950	ug/l	99
17) Carbon Disulfide	4.06	76	1462918	159.056	ug/l	100
18) Methyl Acetate	4.32	43	470313	143.840	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1349216	148.945	ug/l	99
20) Methylene Chloride	4.55	84	535961	152.586	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	496886	144.196	ug/l	93
22) Diisopropyl ether	5.95	45	1967020	147.094	ug/l	99
23) Vinyl Acetate	5.90	43	7005336	767.198	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1019170	145.005	ug/l	99
25) 2-Butanone	6.83	43	1166439	659.249	ug/l	99
26) 2,2-Dichloropropane	6.83	77	769596	149.915	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	570309	147.853	ug/l	99
28) Bromochloromethane	7.20	49	510134	146.885	ug/l	99
29) Tetrahydrofuran	7.21	42	778950	684.965	ug/l	100
30) Chloroform	7.37	83	967335	145.423	ug/l	98
31) Cyclohexane	7.66	56	971387	119.074	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	830328	153.144	ug/l	99
36) 1,1-Dichloropropene	7.80	75	778106	147.770	ug/l	100
37) Ethyl Acetate	6.93	43	545890	140.505	ug/l	99
38) Carbon Tetrachloride	7.78	117	727105	152.372	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	910019	151.517	ug/l	100
40) Benzene	8.04	78	2195104	145.600	ug/l	100
41) Methacrylonitrile	7.21	41	775057	378.161	ug/l #	23
42) 1,2-Dichloroethane	8.13	62	753265	142.404	ug/l	100
43) Isopropyl Acetate	8.16	43	1022457	148.111	ug/l	99
44) Trichloroethene	8.84	130	554006	146.643	ug/l	99
45) 1,2-Dichloropropane	9.12	63	616840	146.454	ug/l	99
46) Dibromomethane	9.21	93	353180	145.985	ug/l	99
47) Bromodichloromethane	9.40	83	757651	151.154	ug/l	99
48) Methyl methacrylate	9.20	41	522545	143.662	ug/l	99
49) 1,4-Dioxane	9.20	88	72052	2464.178	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2686134	704.585	ug/l	100
52) Toluene	10.16	92	1358010	149.324	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	824907	166.770	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	924590	158.346	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	469825	142.929	ug/l	99
56) Ethyl methacrylate	10.43	69	678120	152.641	ug/l	99
57) 1,3-Dichloropropane	10.71	76	857655	145.752	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1877360	763.177	ug/l	99
59) 2-Hexanone	10.75	43	1814109	677.848	ug/l	100
60) Dibromochloromethane	10.90	129	549933	164.935	ug/l	98
61) 1,2-Dibromoethane	11.01	107	483607	149.697	ug/l	100
64) Tetrachloroethene	10.63	164	475820	143.295	ug/l	99
65) Chlorobenzene	11.43	112	1475902	146.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	520817	152.997	ug/l	98
67) Ethyl Benzene	11.51	91	2655689	150.240	ug/l	99
68) m/p-Xylenes	11.62	106	1963451	298.266	ug/l	99
69) o-Xylene	11.95	106	938101	149.161	ug/l	97
70) Styrene	11.96	104	1559765	153.507	ug/l	100
71) Bromoform	12.13	173	332274	163.619	ug/l #	99
73) Isopropylbenzene	12.25	105	2554657	144.699	ug/l	100
74) N-amyl acetate	12.07	43	940595	146.751	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	571883	132.130	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	785810	226.794	ug/l #	100
77) Bromobenzene	12.53	156	580341	140.429	ug/l	97
78) n-propylbenzene	12.59	91	3049856	147.495	ug/l	99
79) 2-Chlorotoluene	12.67	91	1725621	144.055	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2061152	146.800	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	182686	163.195	ug/l	98
82) 4-Chlorotoluene	12.77	91	1788044	148.762	ug/l	99
83) tert-Butylbenzene	12.99	119	1760698	143.637	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2079120	146.865	ug/l	99
85) sec-Butylbenzene	13.17	105	2506210	149.090	ug/l	100
86) p-Isopropyltoluene	13.29	119	2126502	151.211	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1039367	144.473	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1041410	144.596	ug/l	99
89) n-Butylbenzene	13.61	91	1974994	157.716	ug/l	99
90) Hexachloroethane	13.87	117	388586	157.428	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	979020	139.443	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86308	140.265	ug/l	99

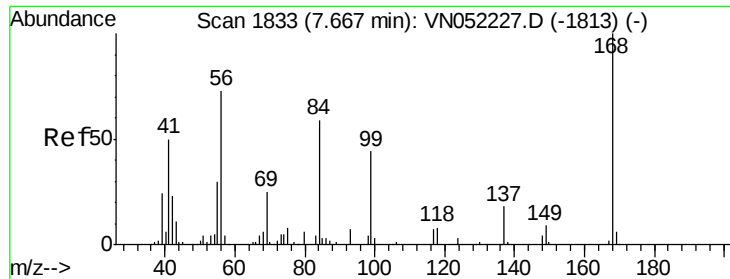
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110918\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	495689	178.543	ug/l	99
94) Hexachlorobutadiene	15.01	225	222331	147.374	ug/l	99
95) Naphthalene	15.13	128	1148616	167.865	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	438021	166.872	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

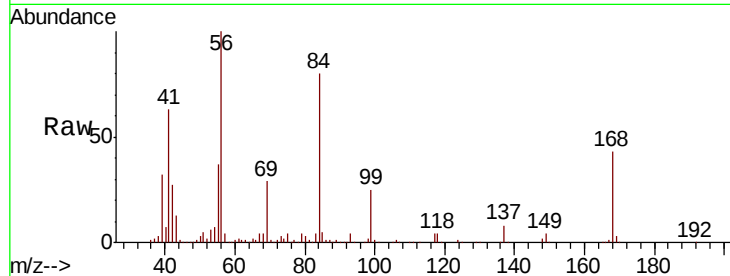
VSTDIC150

Tgt Ion:168 Resp: 303280

Ion Ratio Lower Upper

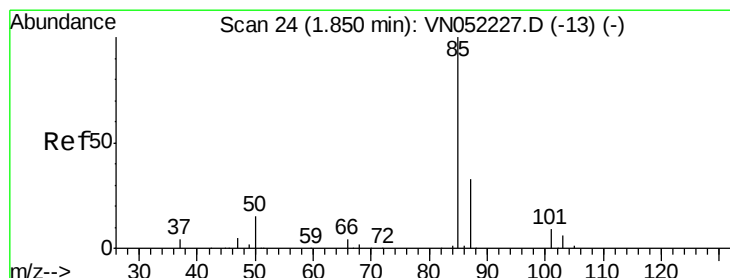
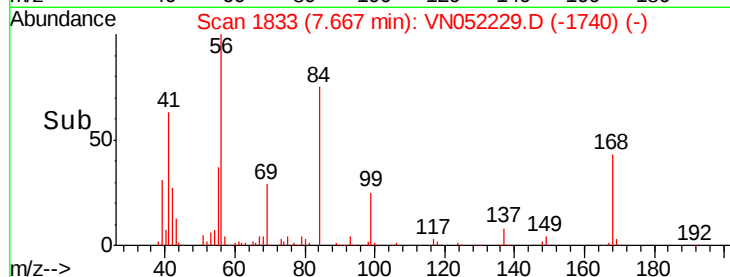
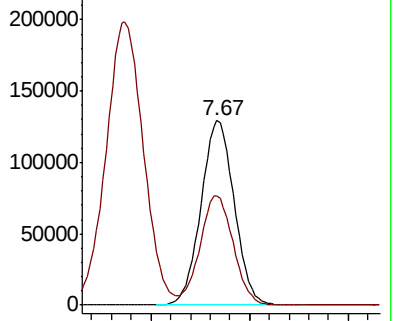
168 100

99 59.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 158.560 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052229.D

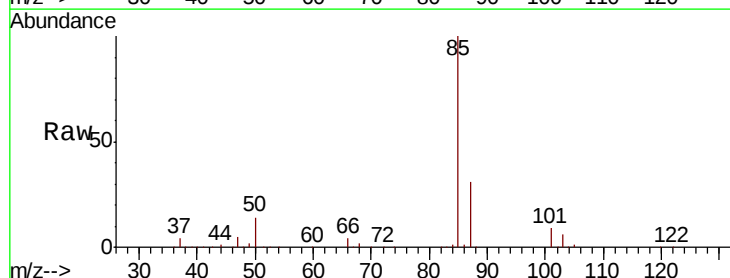
Acq: 9 Nov 2018 15:53

Tgt Ion: 85 Resp: 522793

Ion Ratio Lower Upper

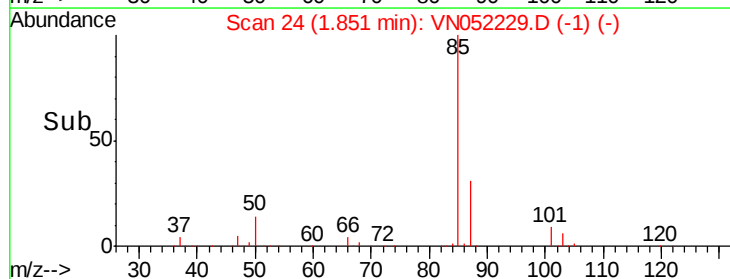
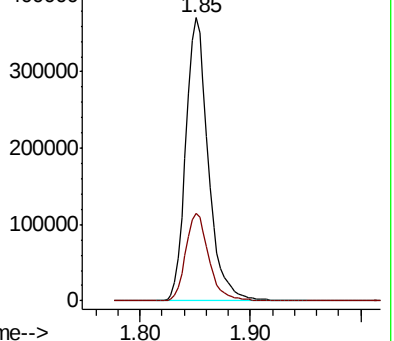
85 100

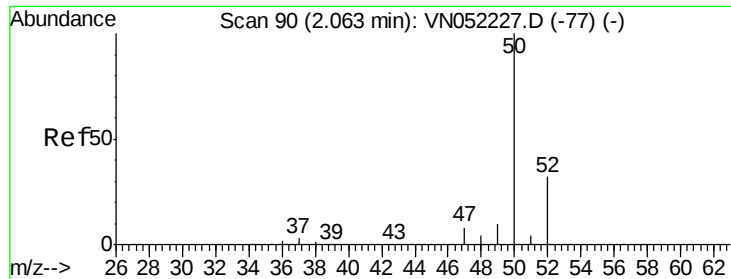
87 31.0 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

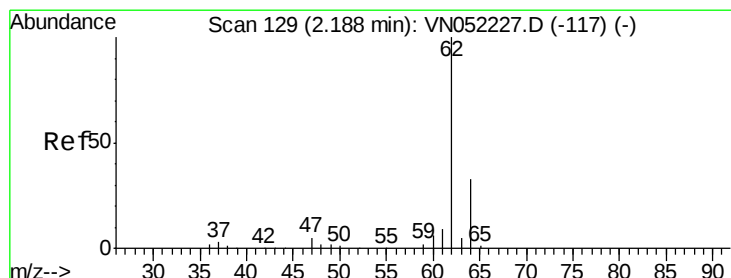
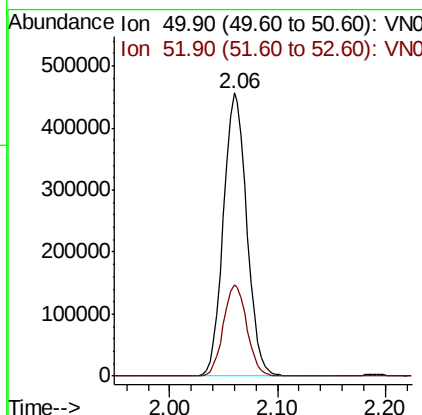
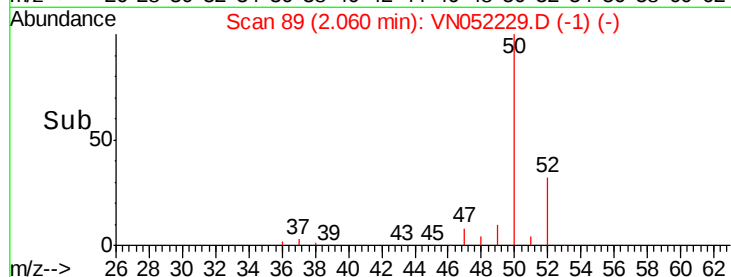
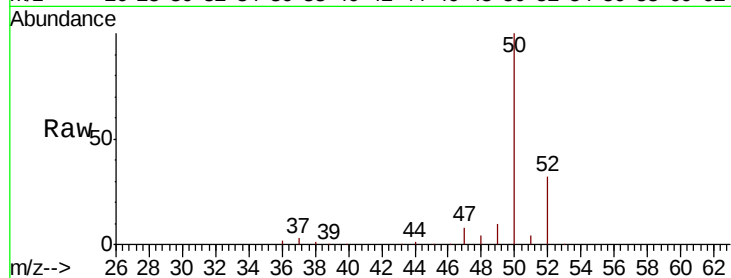




#3
 Chloromethane
 Concen: 149.680 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

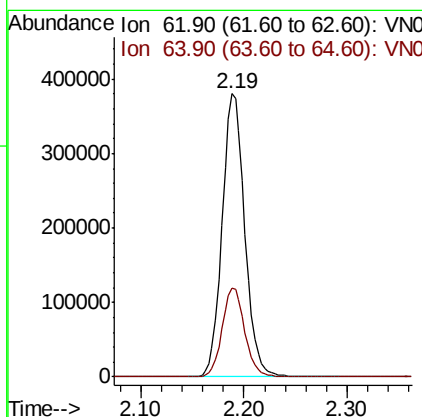
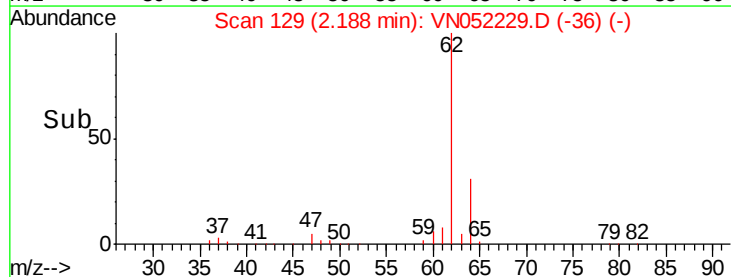
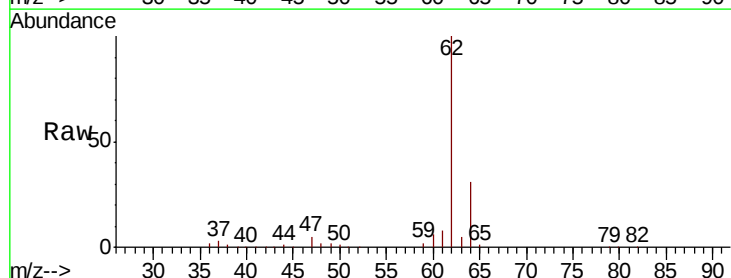
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

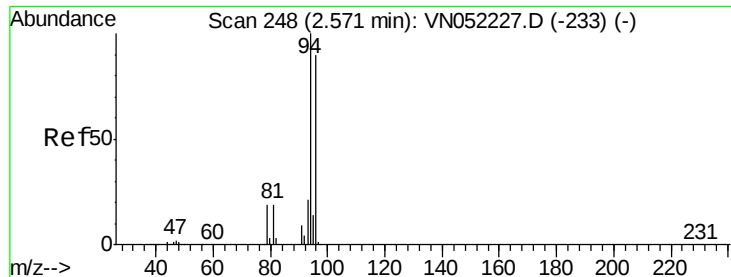
Tgt Ion: 50 Resp: 689026
 Ion Ratio Lower Upper
 50 100
 52 32.3 25.7 38.5



#4
 Vinyl Chloride
 Concen: 150.837 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion: 62 Resp: 578510
 Ion Ratio Lower Upper
 62 100
 64 31.4 26.1 39.1





#5

Bromomethane

Concen: 141.972 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

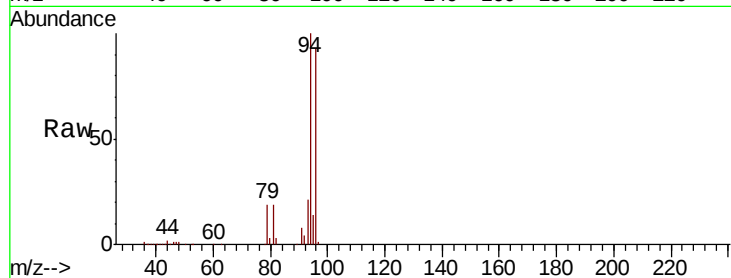
VSTDIC150

Tgt Ion: 94 Resp: 345474

Ion Ratio Lower Upper

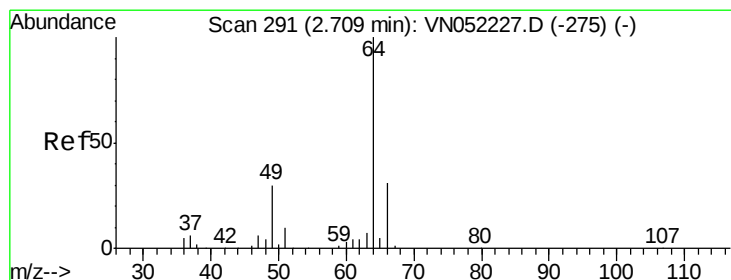
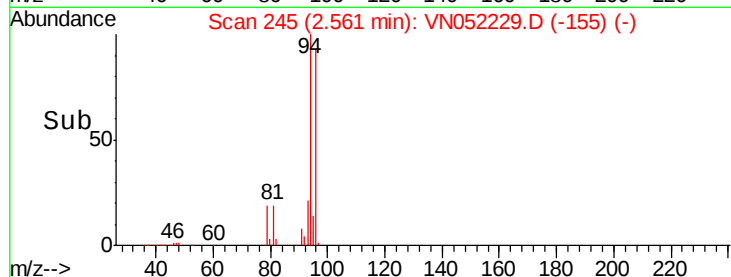
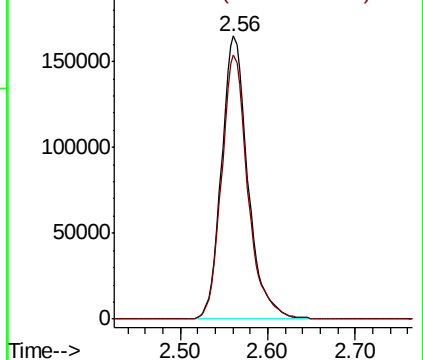
94 100

96 93.2 71.8 107.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 143.217 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052229.D

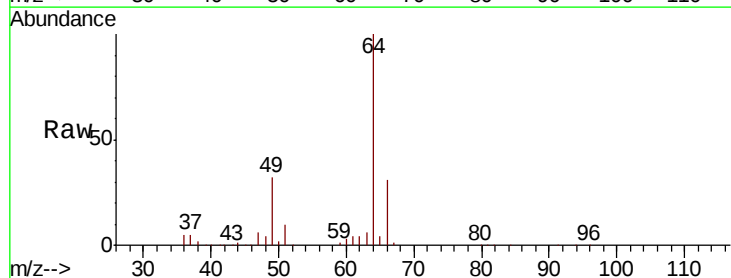
Acq: 9 Nov 2018 15:53

Tgt Ion: 64 Resp: 326184

Ion Ratio Lower Upper

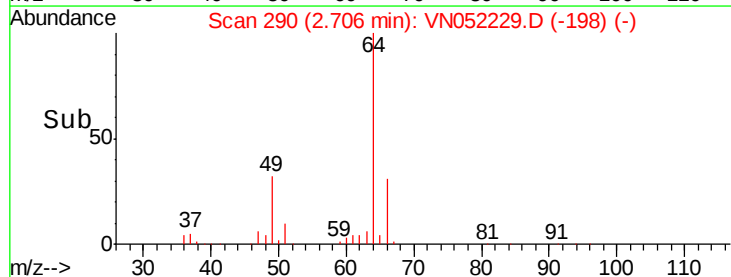
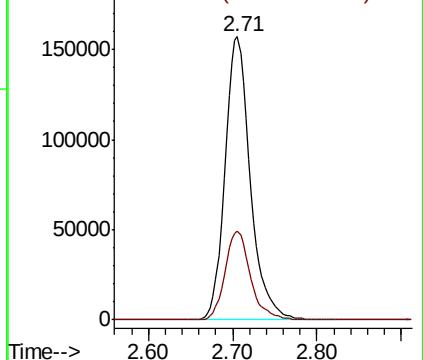
64 100

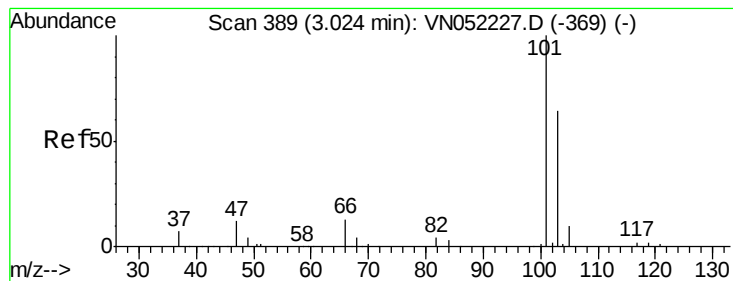
66 31.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



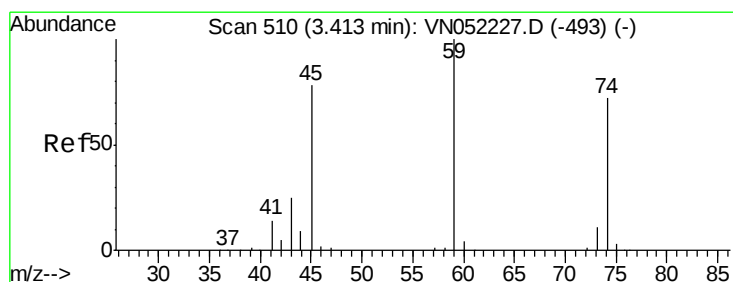
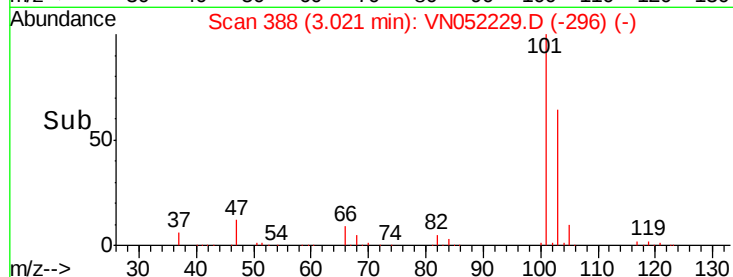
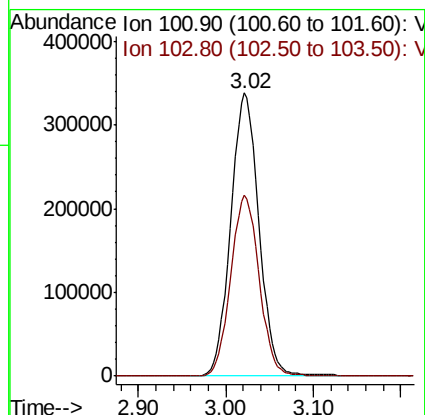
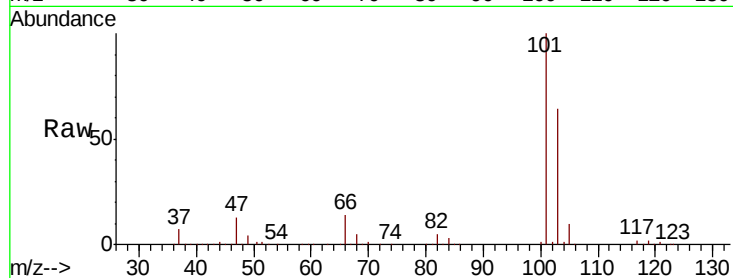


#7

Trichlorofluoromethane
Concen: 141.888 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

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ClientSampleId :
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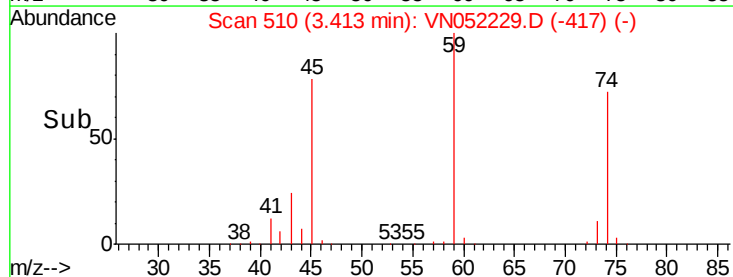
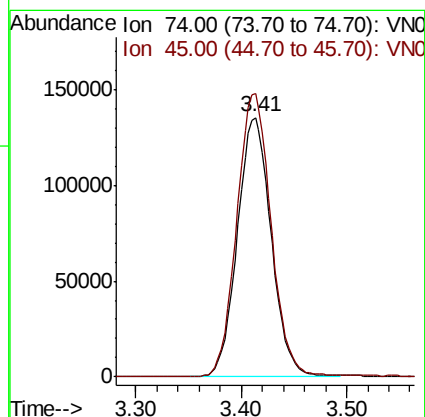
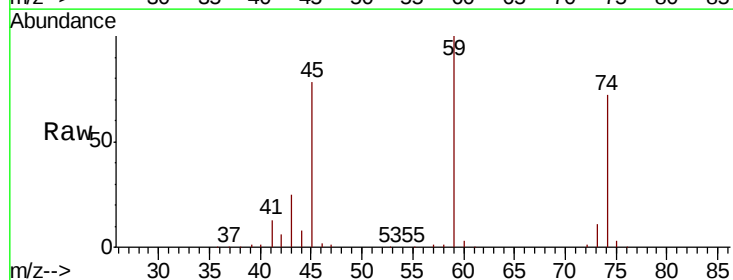
Tgt Ion:101 Resp: 757532
Ion Ratio Lower Upper
101 100
103 63.7 51.2 76.8

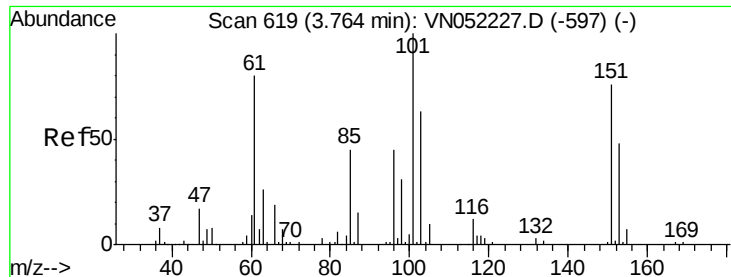


#8

Diethyl Ether
Concen: 144.000 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion: 74 Resp: 302453
Ion Ratio Lower Upper
74 100
45 109.8 55.5 166.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 140.905 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

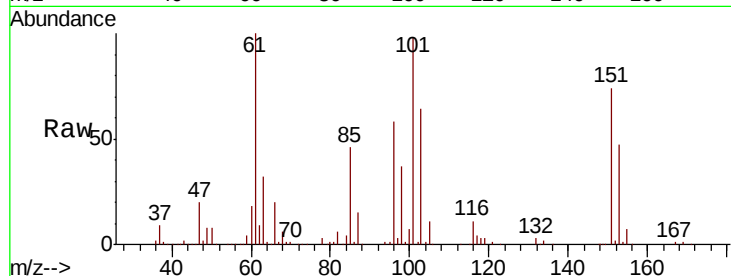
Tgt Ion:101 Resp: 484488

Ion Ratio Lower Upper

101 100

85 46.2 36.2 54.4

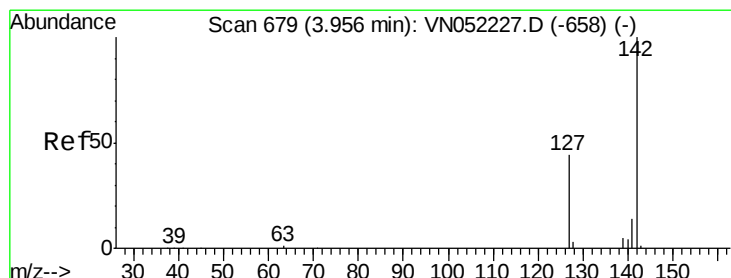
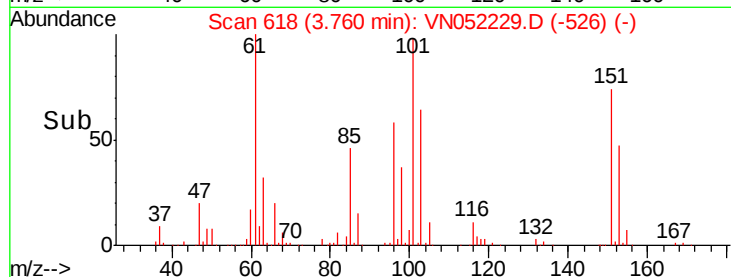
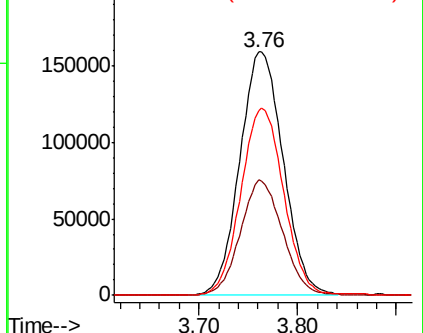
151 75.8 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 163.613 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

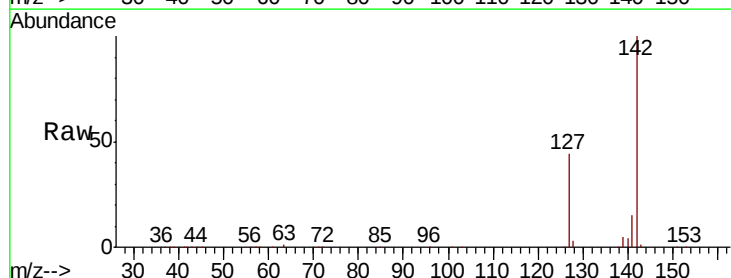
Tgt Ion:142 Resp: 727153

Ion Ratio Lower Upper

142 100

127 43.9 35.3 52.9

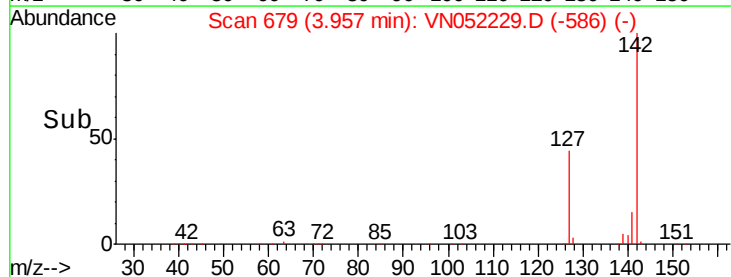
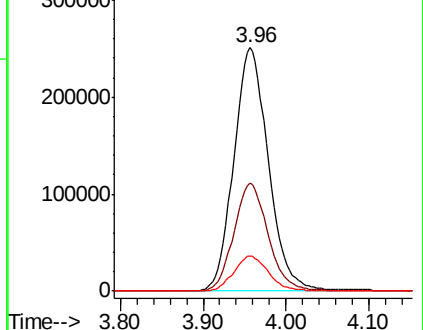
141 14.5 11.8 17.6

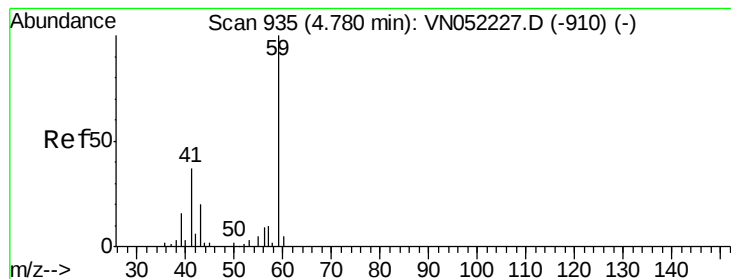


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



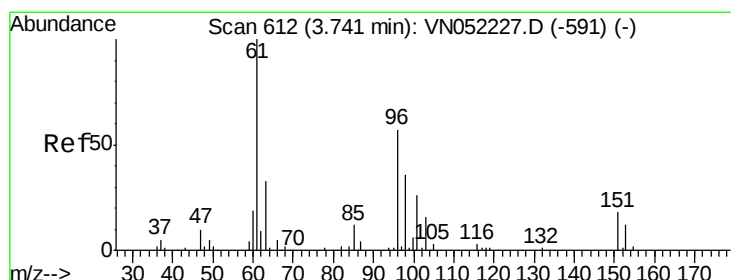
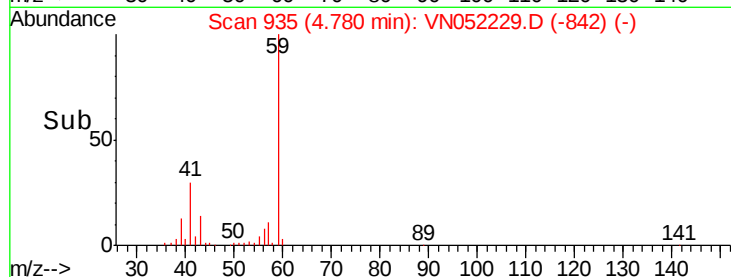
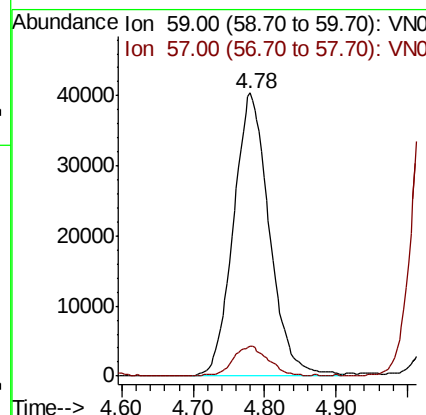
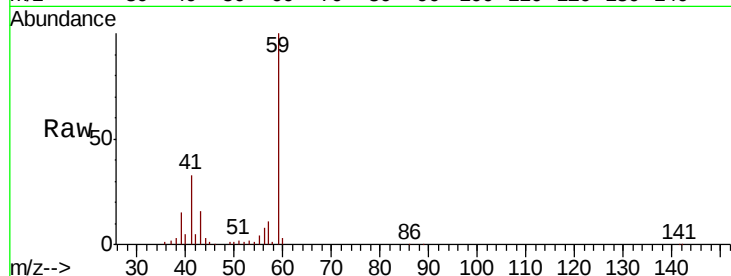


#11

Tert butyl alcohol
 Concen: 683.101 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

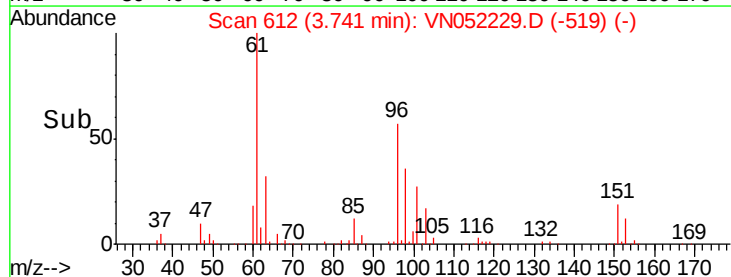
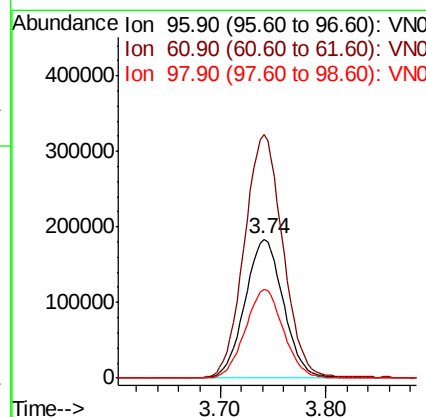
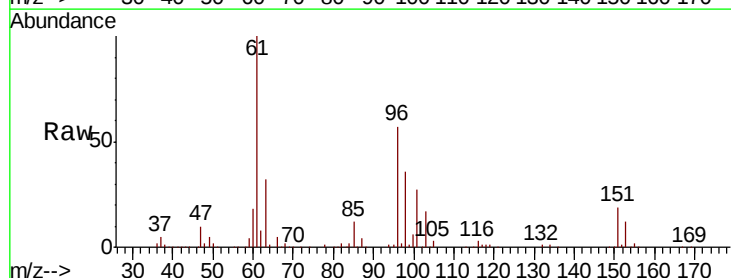
Tgt Ion: 59 Resp: 141495
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.8 13.2

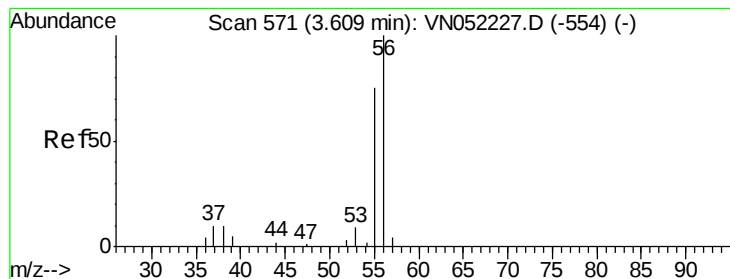


#12

1,1-Dichloroethene
 Concen: 146.947 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion: 96 Resp: 465914
 Ion Ratio Lower Upper
 96 100
 61 175.4 141.1 211.7
 98 64.0 50.3 75.5





#13

Acrolein

Concen: 944.002 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

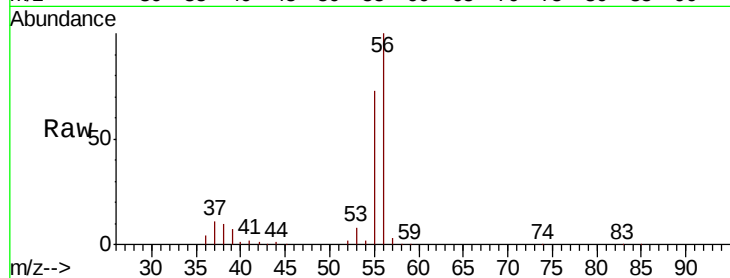
VSTDIC150

Tgt Ion: 56 Resp: 270393

Ion Ratio Lower Upper

56 100

55 71.8 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN052229.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN052229.D (-554) (-)

3.61

120000

100000

80000

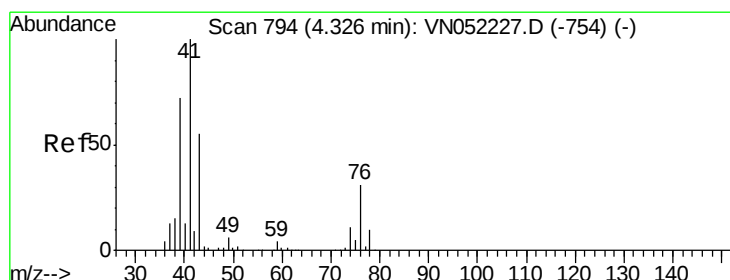
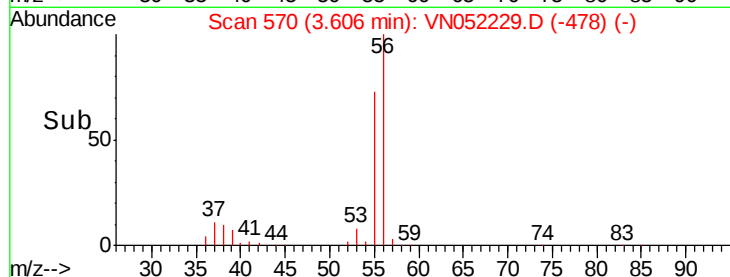
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 148.297 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

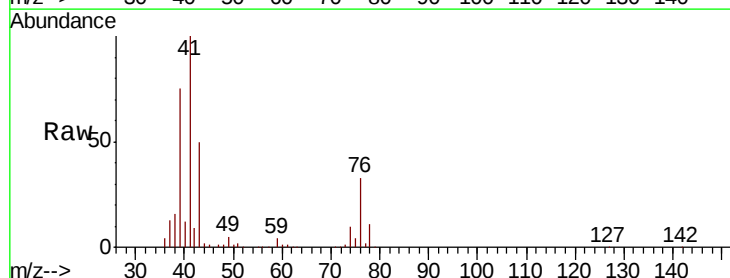
Tgt Ion: 41 Resp: 984420

Ion Ratio Lower Upper

41 100

39 71.8 55.1 82.7

76 30.7 23.6 35.4



Abundance Ion 41.00 (40.70 to 41.70): VN052229.D (-754) (-)

Ion 39.00 (38.70 to 39.70): VN052229.D (-754) (-)

Ion 75.90 (75.60 to 76.60): VN052229.D (-754) (-)

4.33

500000

400000

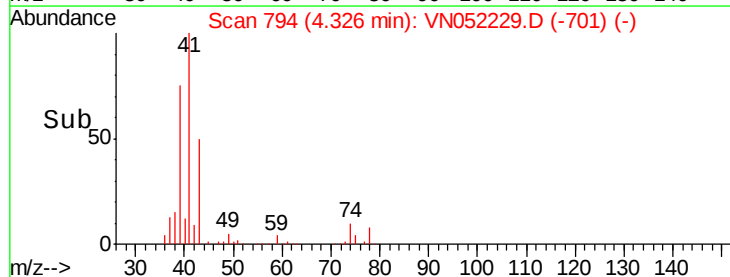
300000

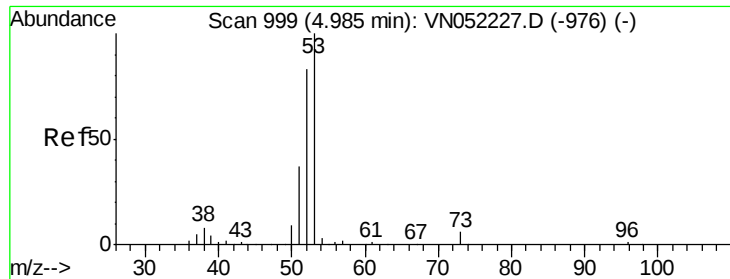
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 729.745 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

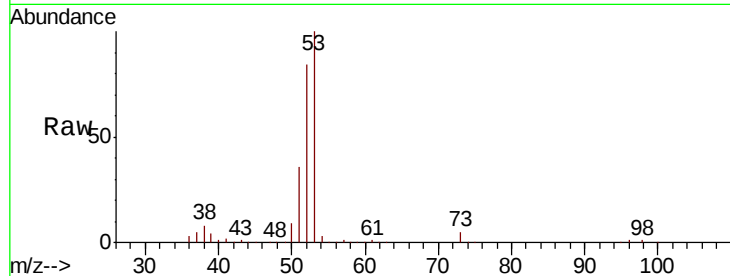
Tgt Ion: 53 Resp: 953571

Ion Ratio Lower Upper

53 100

52 84.0 66.7 100.1

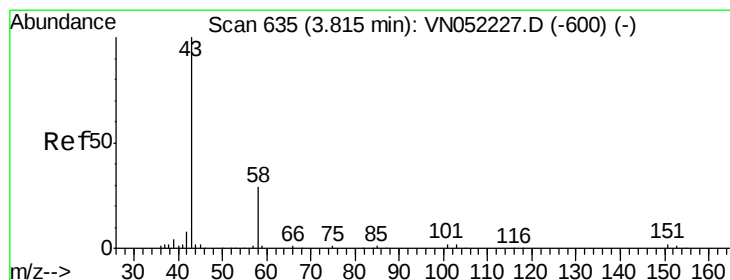
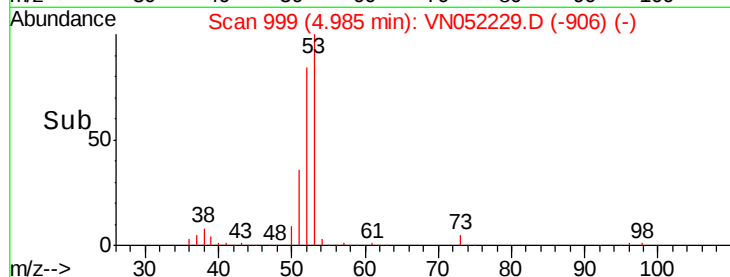
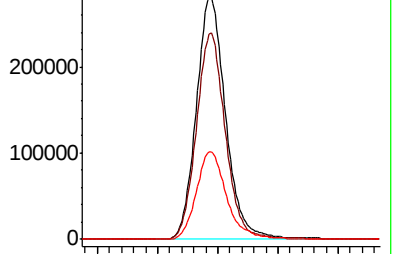
51 37.2 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VN052227.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN052227.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN052227.D (-976) (-)



#16

Acetone

Concen: 575.950 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052229.D

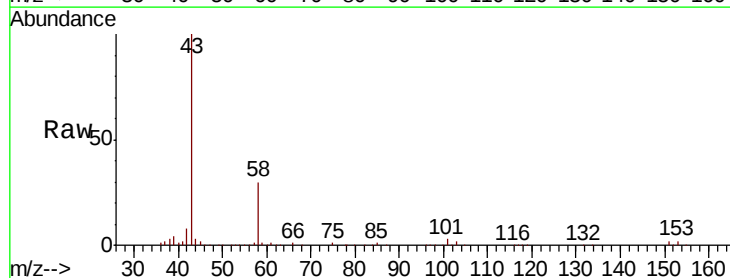
Acq: 9 Nov 2018 15:53

Tgt Ion: 43 Resp: 732868

Ion Ratio Lower Upper

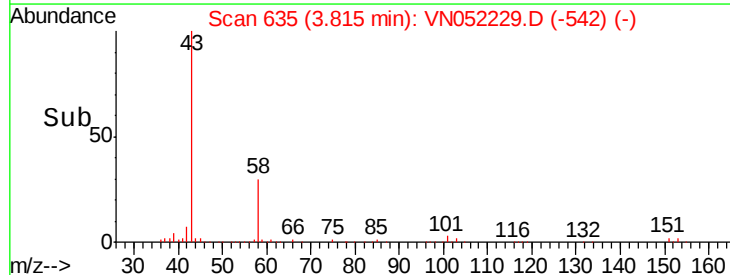
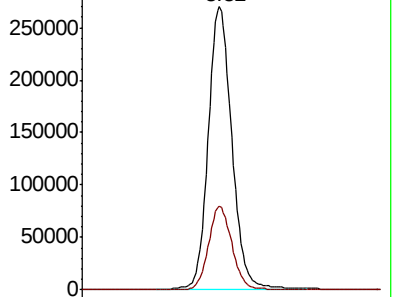
43 100

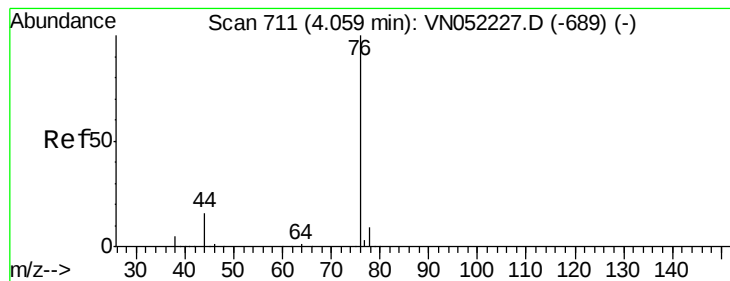
58 29.6 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN052227.D (-600) (-)





#17

Carbon Disulfide

Concen: 159.056 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

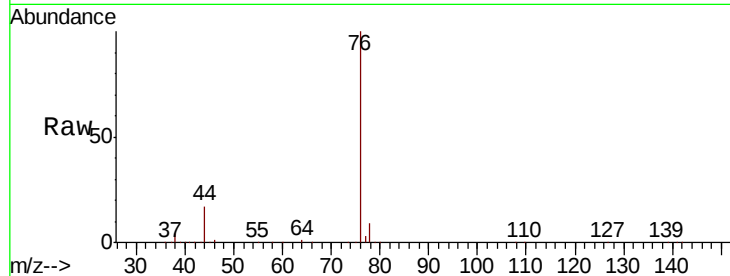
VSTDIC150

Tgt Ion: 76 Resp: 1462918

Ion Ratio Lower Upper

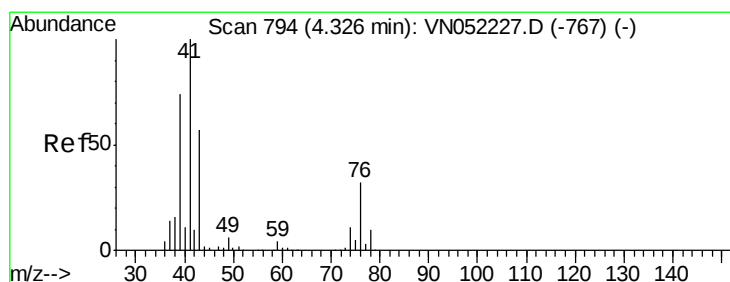
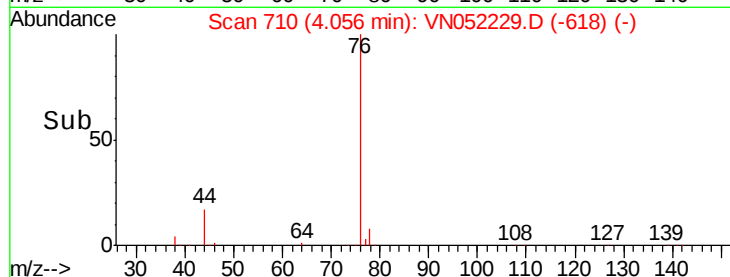
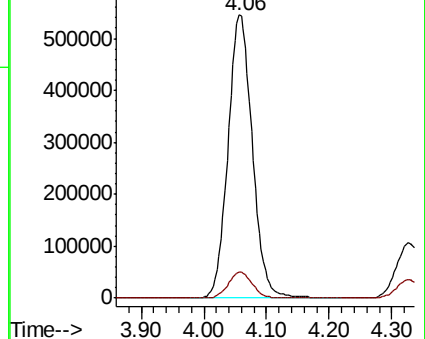
76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN052229.D (-618) (-)

Ion 77.90 (77.60 to 78.60): VN052229.D (-618) (-)



#18

Methyl Acetate

Concen: 143.840 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052229.D

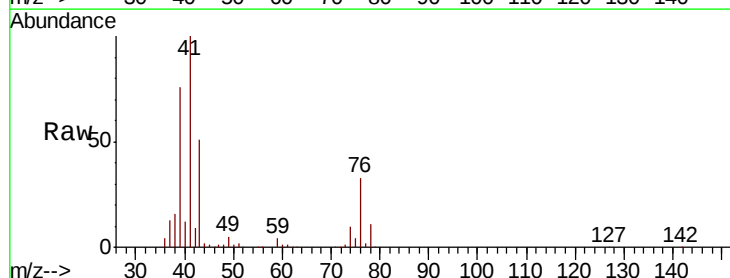
Acq: 9 Nov 2018 15:53

Tgt Ion: 43 Resp: 470313

Ion Ratio Lower Upper

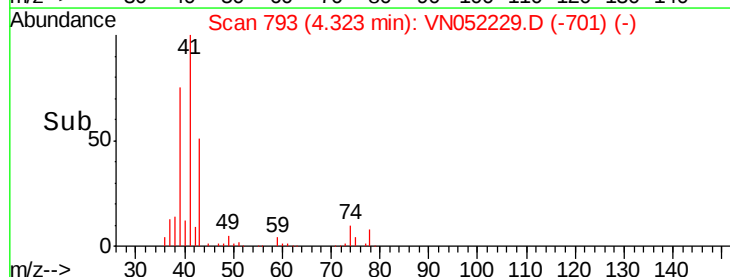
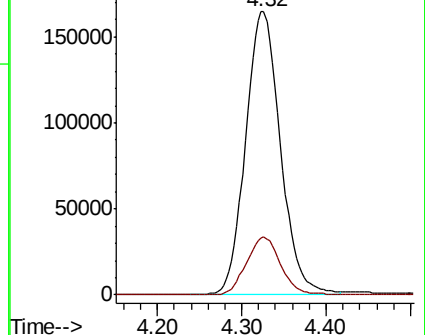
43 100

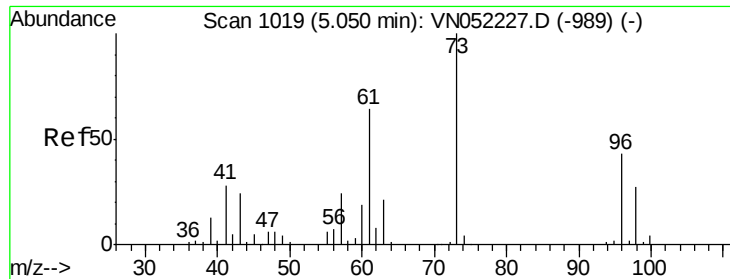
74 20.3 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VN052229.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN052229.D (-701) (-)

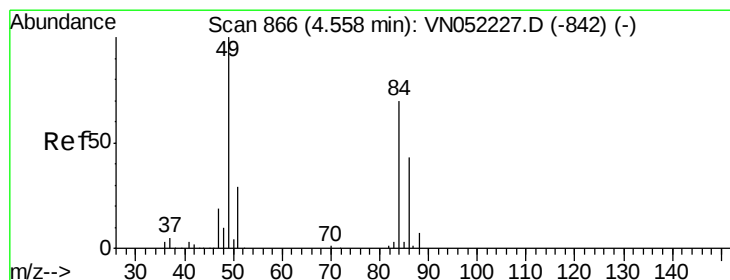
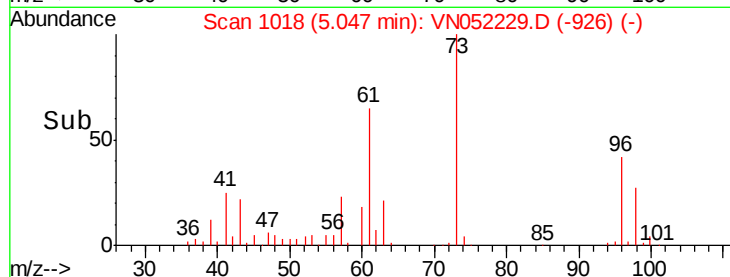
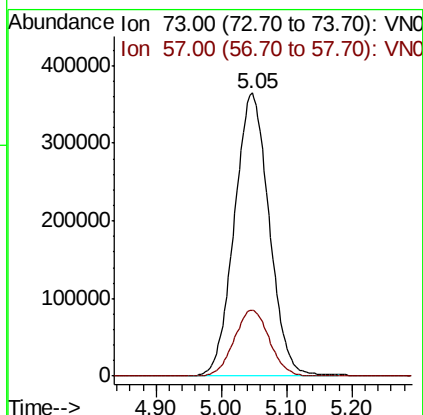
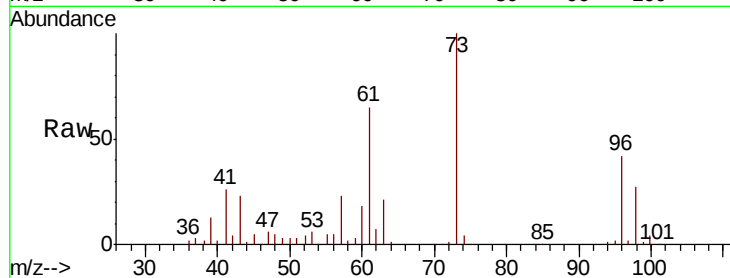




#19
Methyl tert-butyl Ether
Concen: 148.945 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

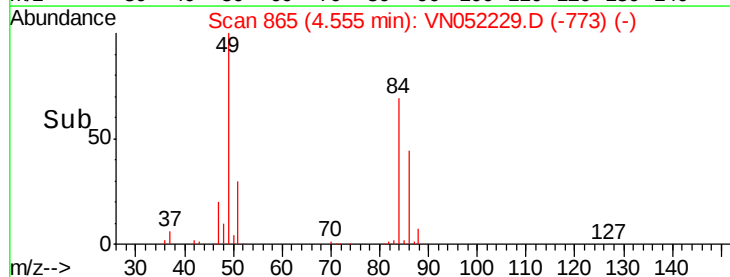
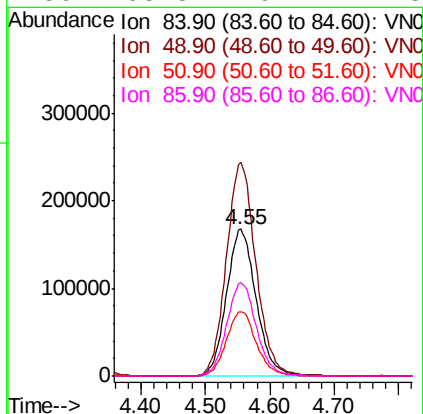
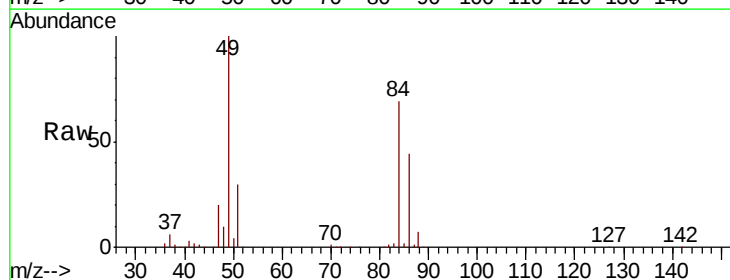
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

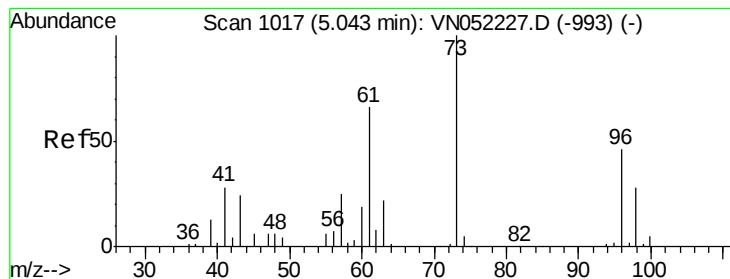
Tgt Ion: 73 Resp: 1349216
Ion Ratio Lower Upper
73 100
57 23.4 19.1 28.7



#20
Methylene Chloride
Concen: 152.586 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion: 84 Resp: 535961
Ion Ratio Lower Upper
84 100
49 145.4 114.8 172.2
51 44.0 33.1 49.7
86 63.8 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 144.196 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

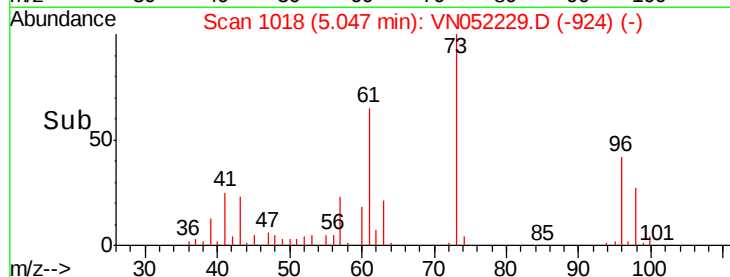
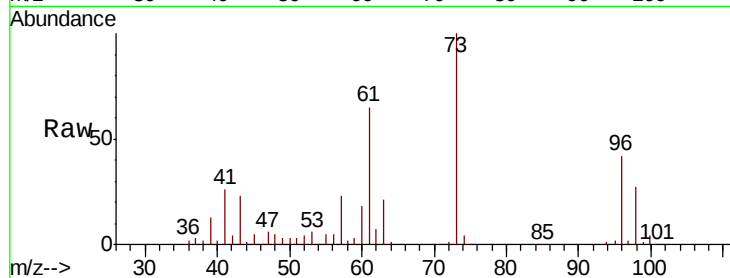
Tgt Ion: 96 Resp: 496886

Ion Ratio Lower Upper

96 100

61 155.1 115.3 172.9

98 64.8 49.5 74.3

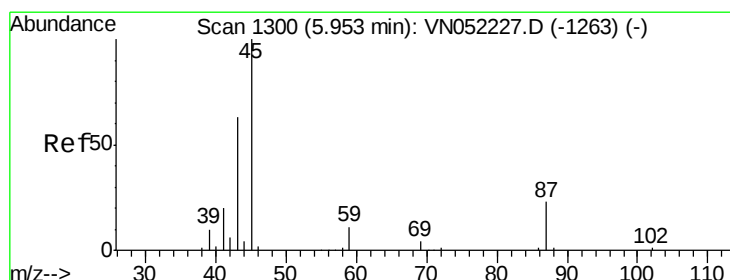
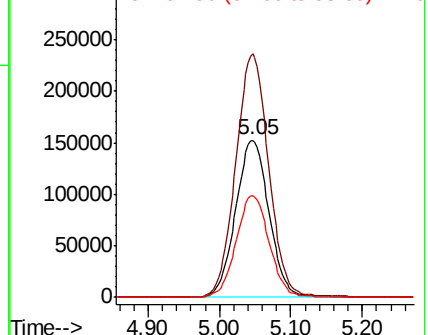


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 147.094 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Tgt Ion: 45 Resp: 1967020

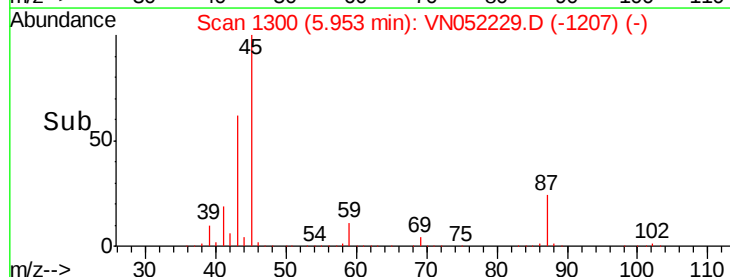
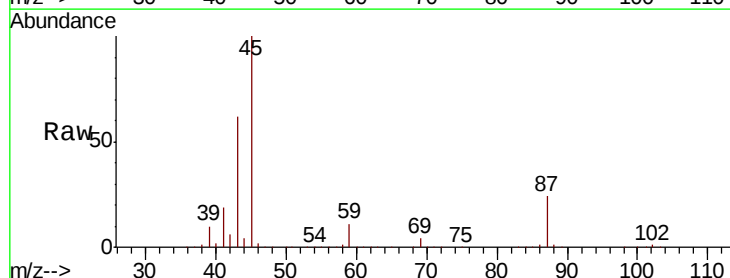
Ion Ratio Lower Upper

45 100

43 61.7 50.6 76.0

87 24.0 19.0 28.4

59 10.7 8.6 13.0



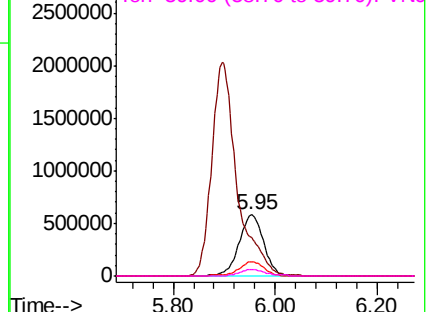
Abundance

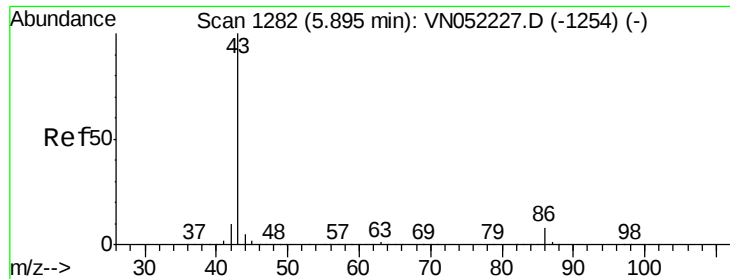
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 767.198 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

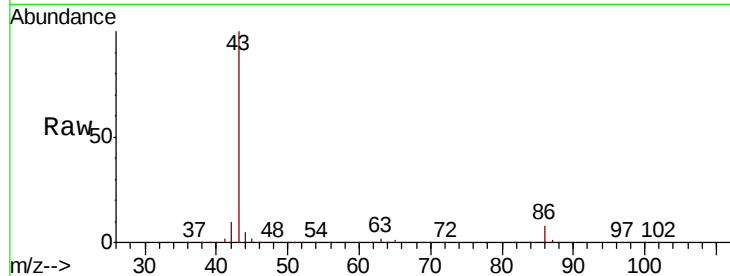
VSTDIC150

Tgt Ion: 43 Resp: 7005336

Ion Ratio Lower Upper

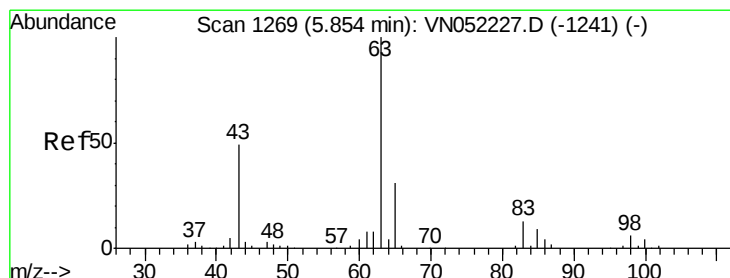
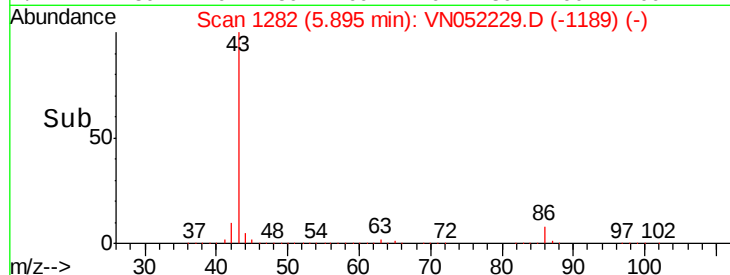
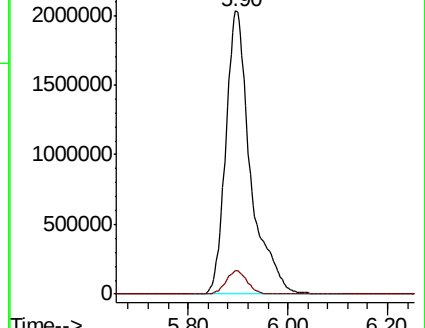
43 100

86 8.2 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN052227.D (-1254) (-)



#24

1,1-Dichloroethane

Concen: 145.005 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

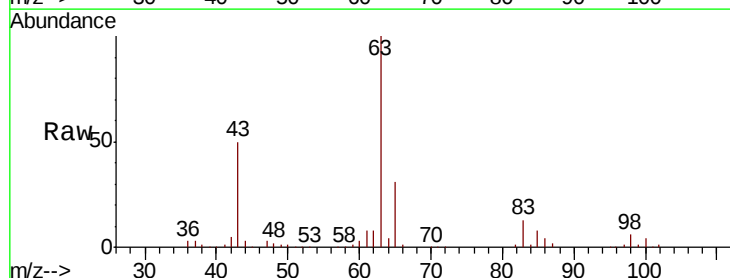
Tgt Ion: 63 Resp: 1019170

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

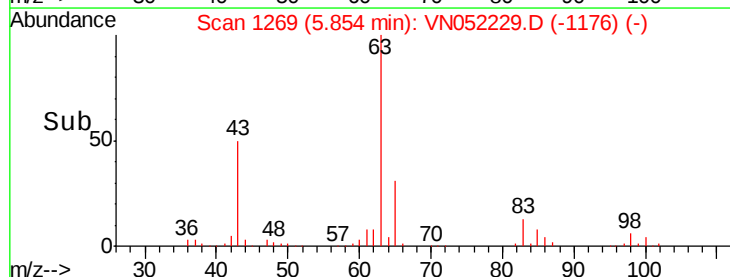
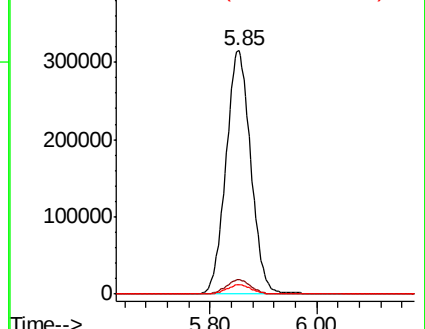
100 3.8 2.1 6.2

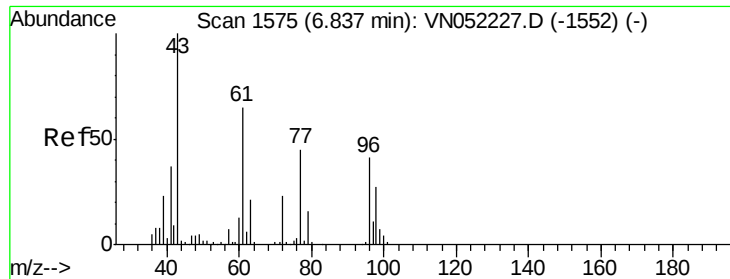


Abundance Ion 62.90 (62.60 to 63.60): VN052227.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN052227.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN052227.D (-1241) (-)

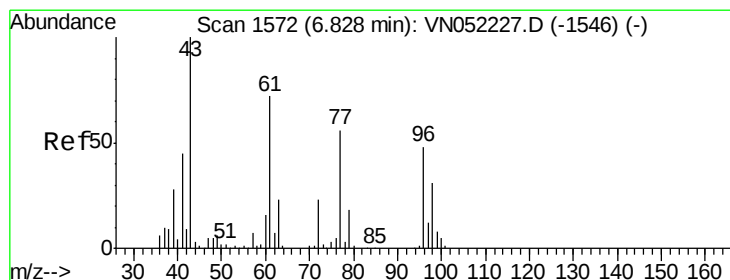
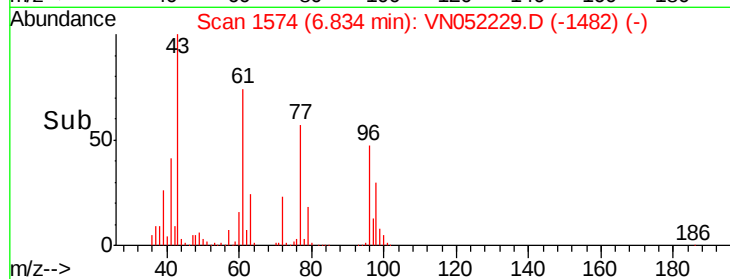
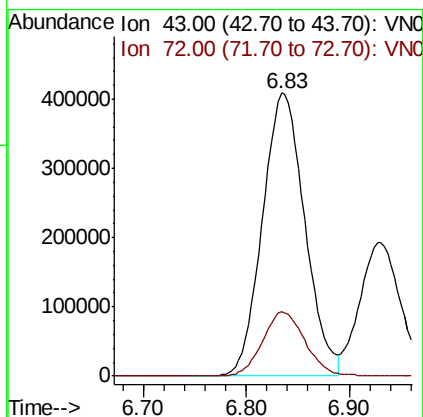
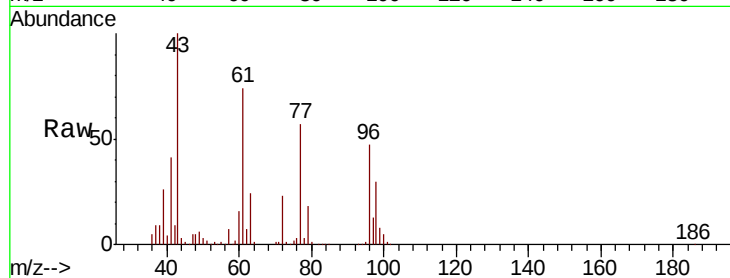




#25
2-Butanone
Concen: 659.249 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

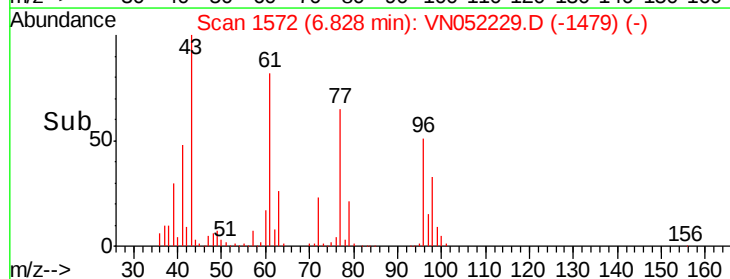
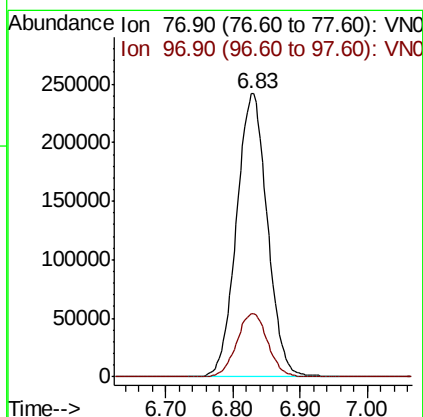
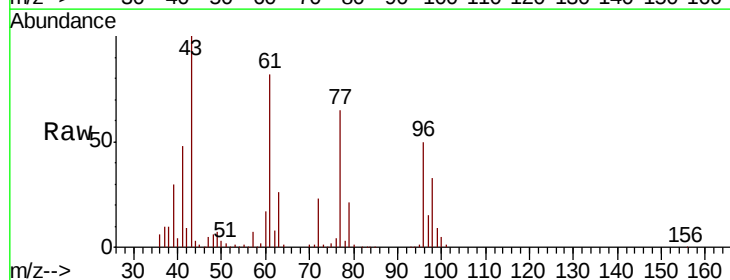
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

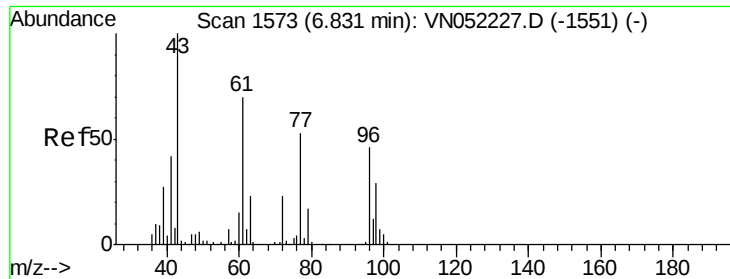
Tgt Ion: 43 Resp: 1166439
Ion Ratio Lower Upper
43 100
72 22.7 18.6 27.8



#26
2,2-Dichloropropane
Concen: 149.915 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion: 77 Resp: 769596
Ion Ratio Lower Upper
77 100
97 22.5 11.2 33.5

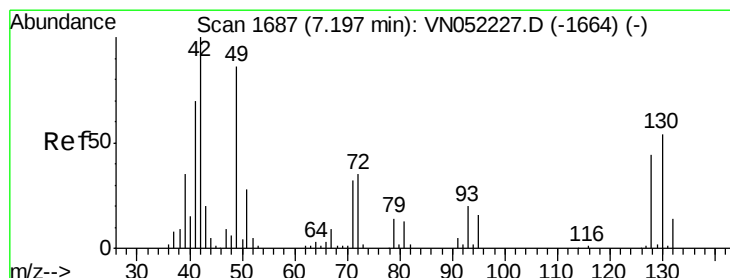
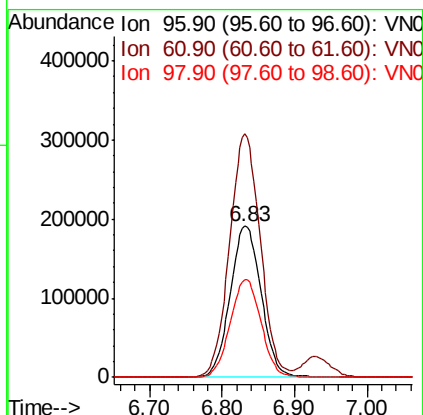
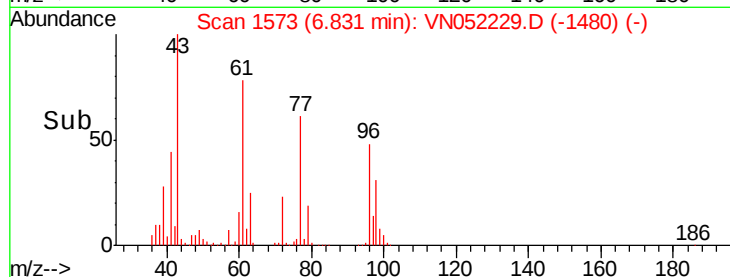
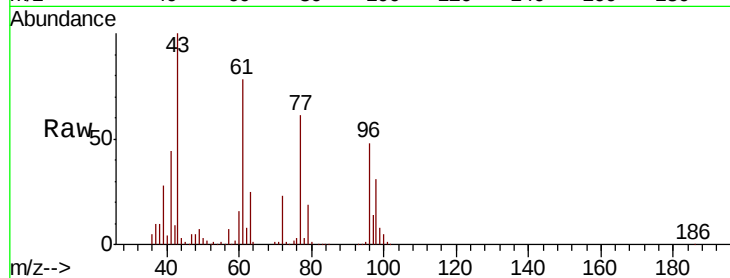




#27
 cis-1,2-Dichloroethene
 Concen: 147.853 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

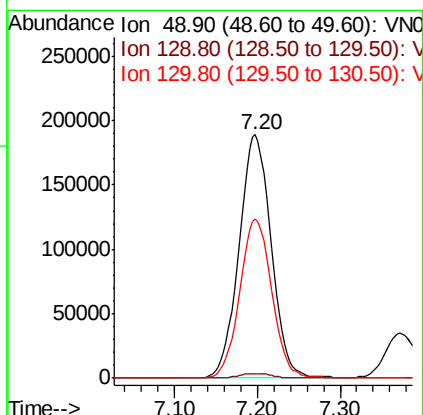
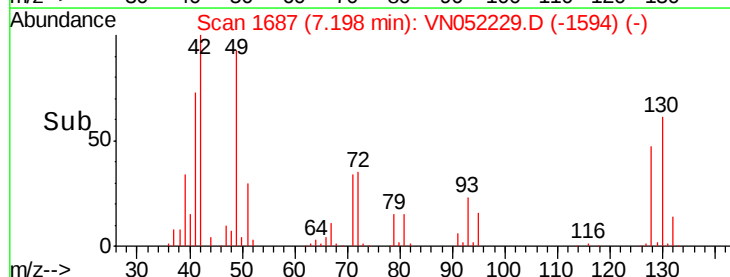
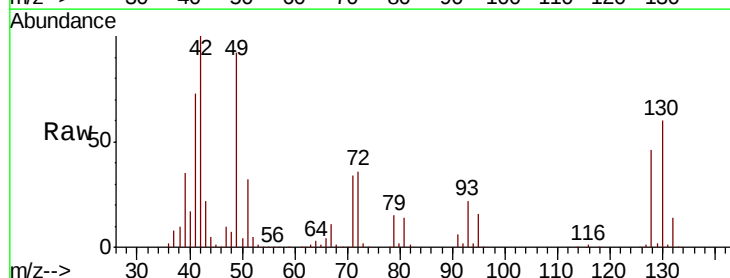
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

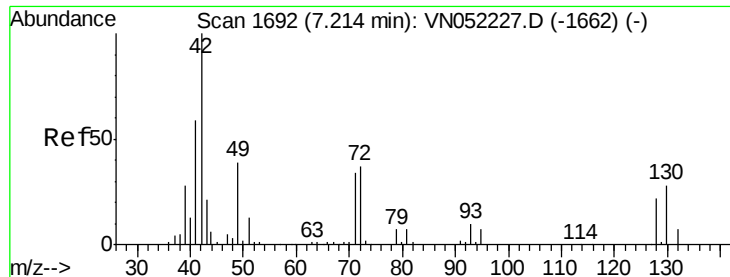
Tgt Ion: 96 Resp: 570309
 Ion Ratio Lower Upper
 96 100
 61 158.7 0.0 313.4
 98 64.7 0.0 129.8



#28
 Bromochloromethane
 Concen: 146.885 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion: 49 Resp: 510134
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.8
 130 65.1 51.4 77.2





#29

Tetrahydrofuran

Concen: 684.965 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

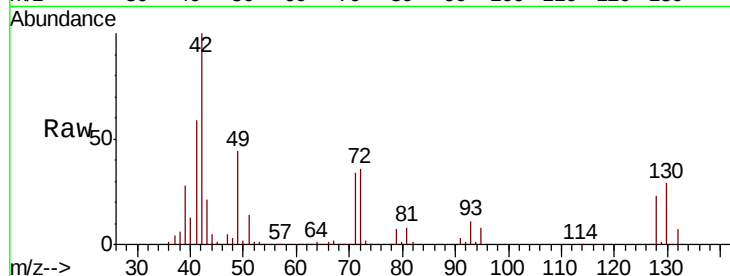
Tgt Ion: 42 Resp: 778950

Ion Ratio Lower Upper

42 100

72 36.1 28.6 43.0

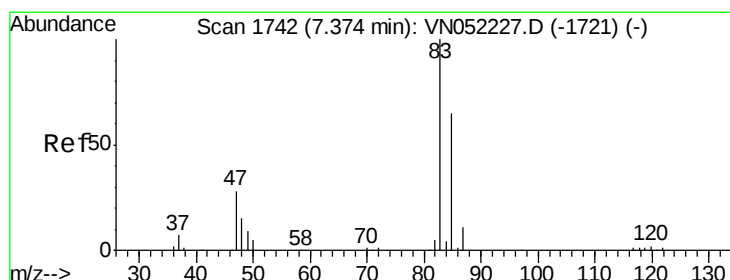
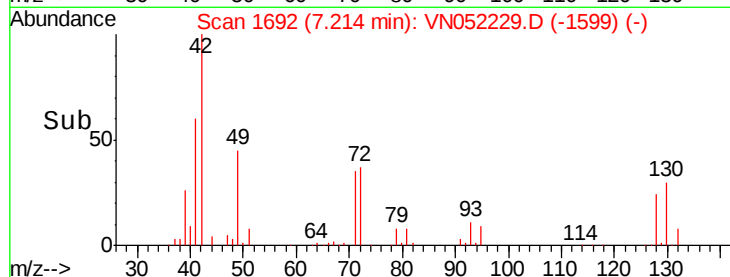
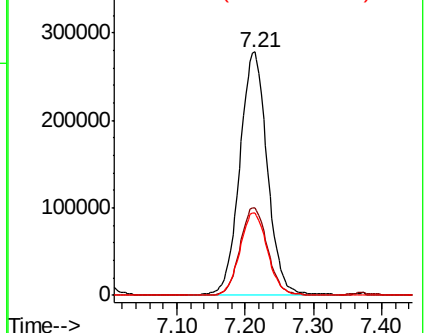
71 34.0 27.1 40.7



Abundance Ion 42.00 (41.70 to 42.70): VN052227.D (-1662) (-)

Ion 72.00 (71.70 to 72.70): VN052227.D (-1662) (-)

Ion 71.00 (70.70 to 71.70): VN052227.D (-1662) (-)



#30

Chloroform

Concen: 145.423 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052229.D

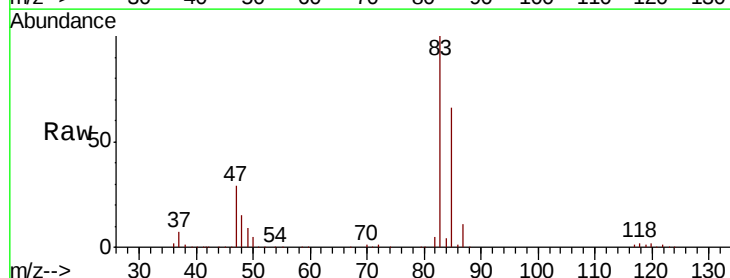
Acq: 9 Nov 2018 15:53

Tgt Ion: 83 Resp: 967335

Ion Ratio Lower Upper

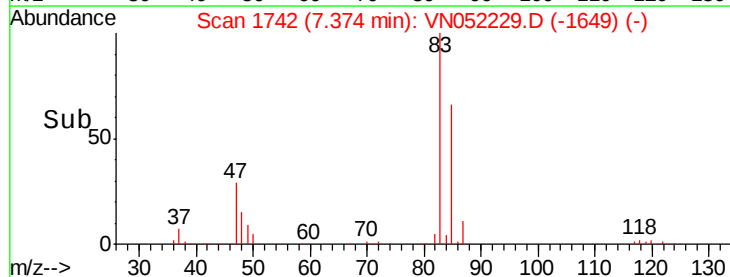
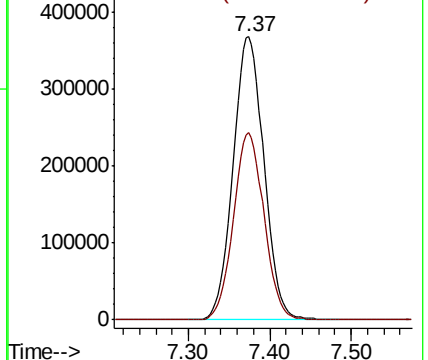
83 100

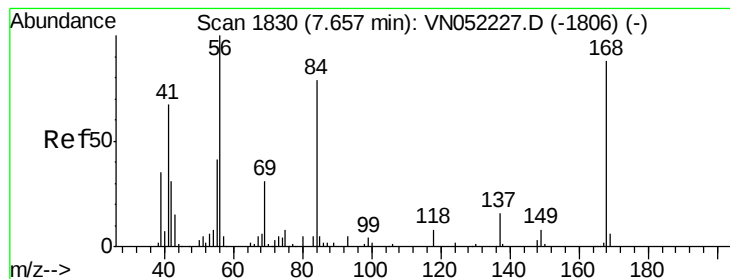
85 66.0 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN052227.D (-1721) (-)

Ion 84.90 (84.60 to 85.60): VN052227.D (-1721) (-)





#31

Cyclohexane

Concen: 119.074 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

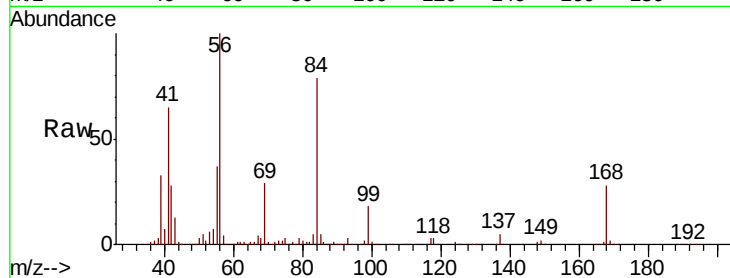
Tgt Ion: 56 Resp: 971387

Ion Ratio Lower Upper

56 100

69 29.2 24.8 37.2

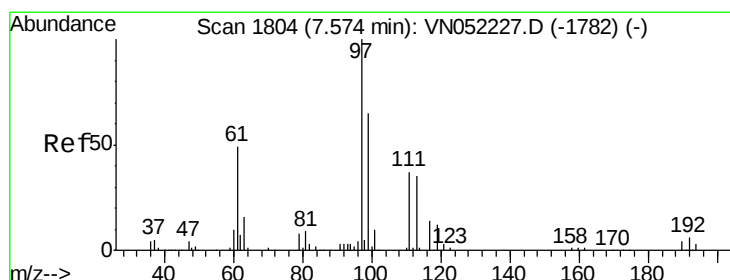
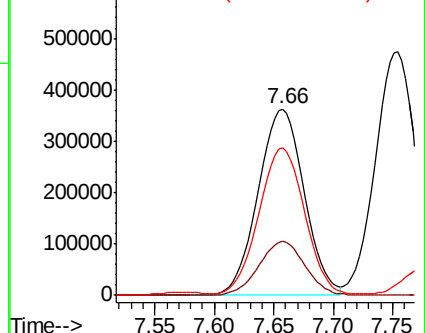
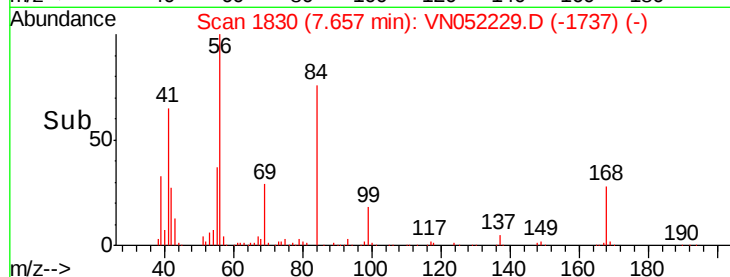
84 77.5 63.1 94.7



Abundance Ion 56.00 (55.70 to 56.70): VN052229.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN052229.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN052229.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 153.144 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

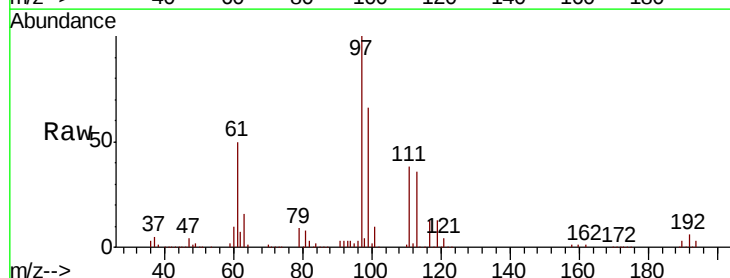
Tgt Ion: 97 Resp: 830328

Ion Ratio Lower Upper

97 100

99 63.6 51.9 77.9

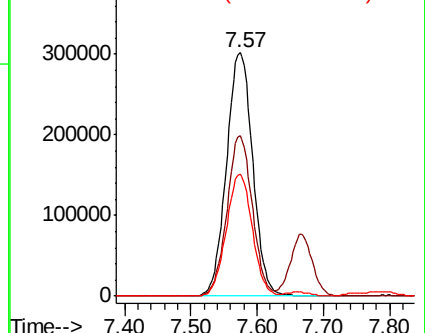
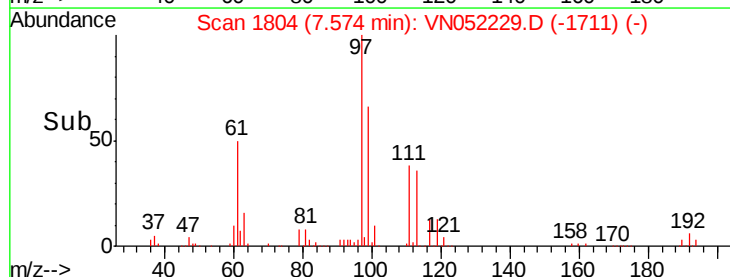
61 49.7 40.2 60.4

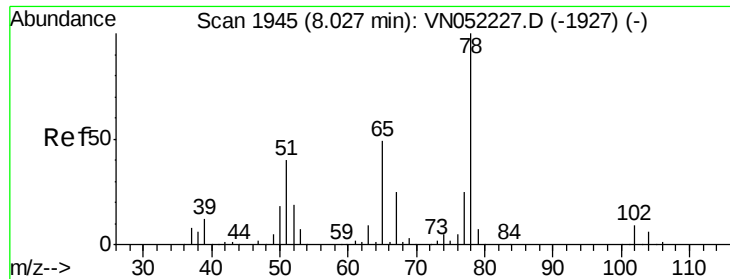


Abundance Ion 96.90 (96.60 to 97.60): VN052229.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN052229.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN052229.D (-1711) (-)

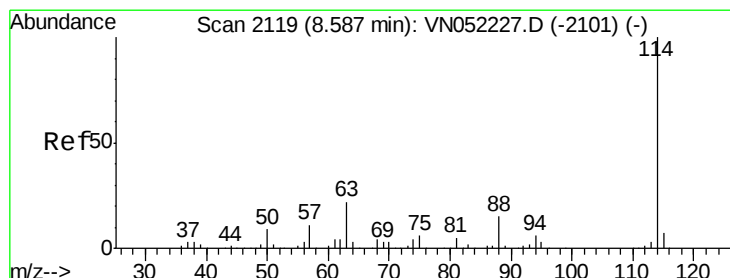
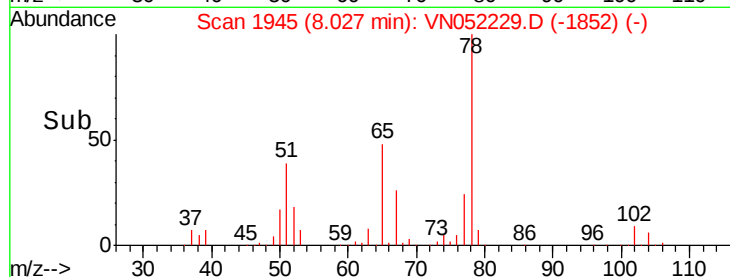
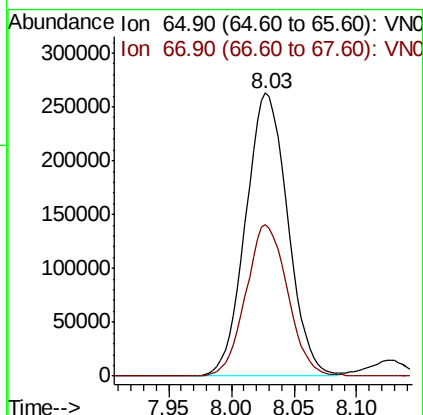
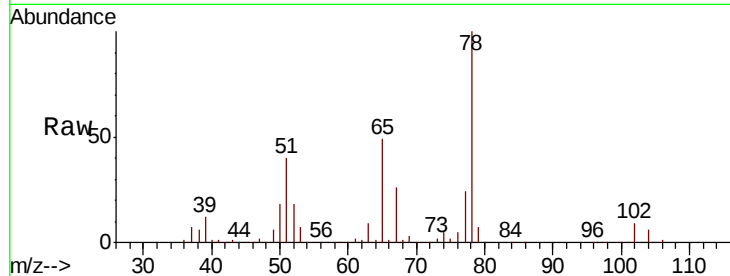




#33
 1,2-Dichloroethane-d4
 Concen: 153.144 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

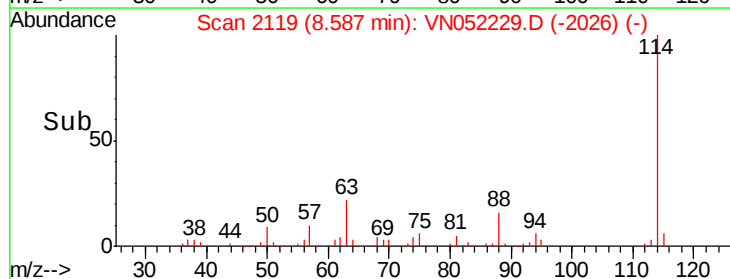
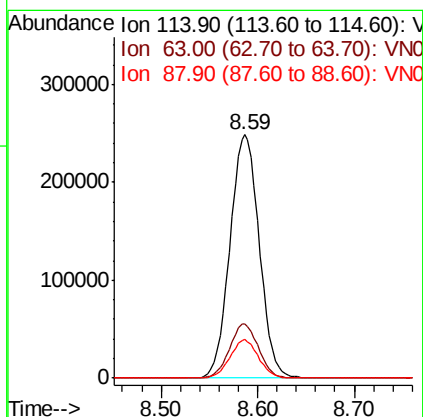
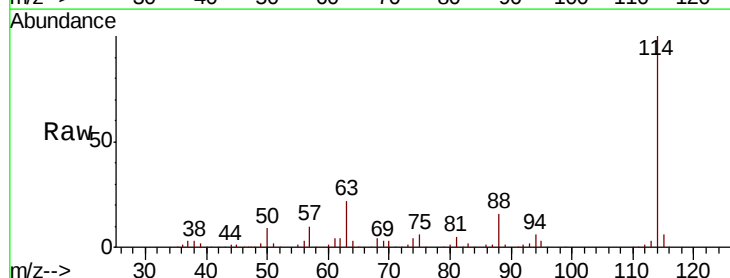
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

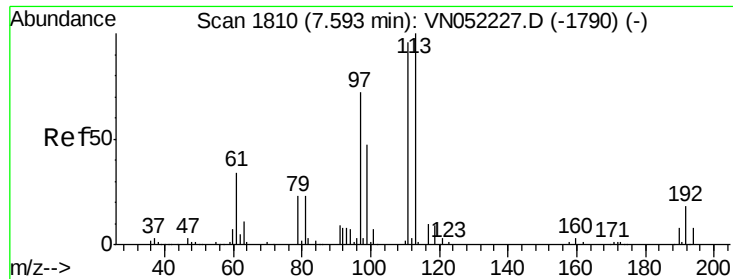
Tgt Ion: 65 Resp: 614833
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion: 114 Resp: 521690
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.4
 88 15.7 0.0 30.2

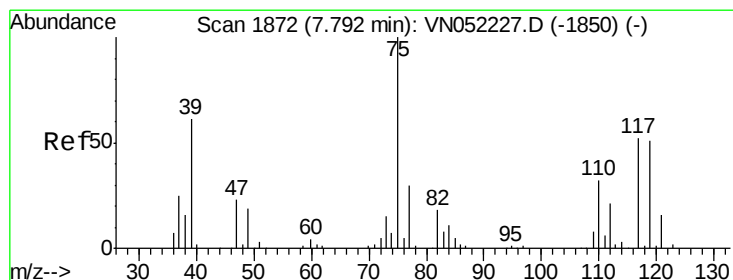
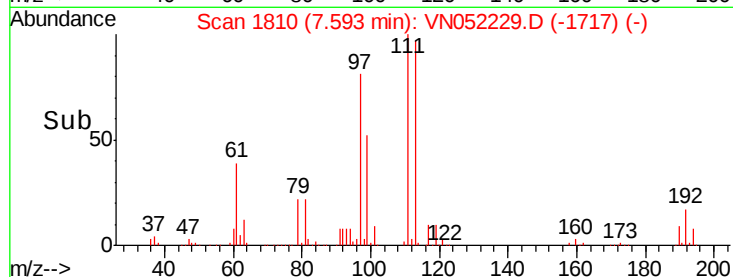
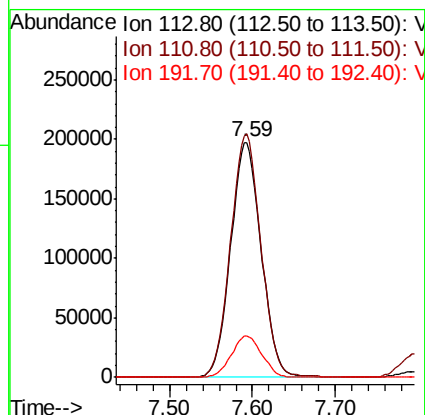
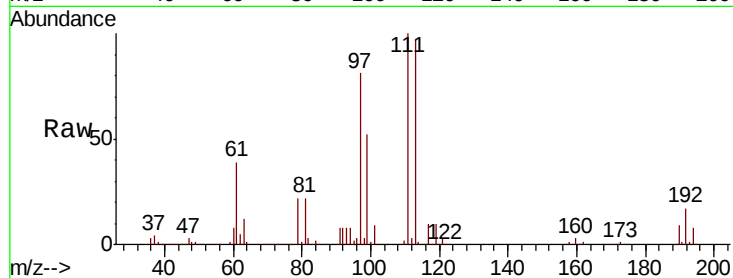




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

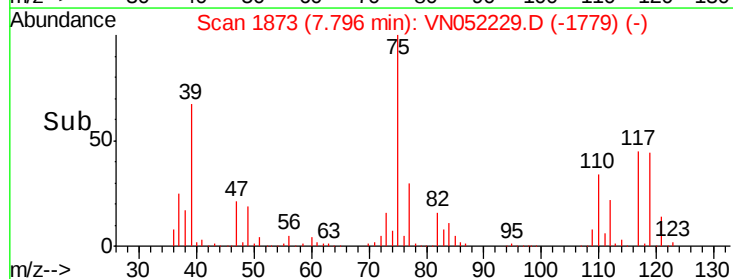
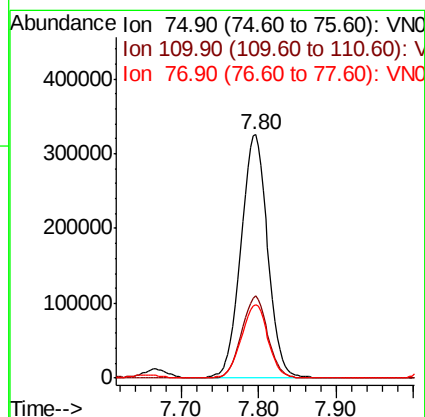
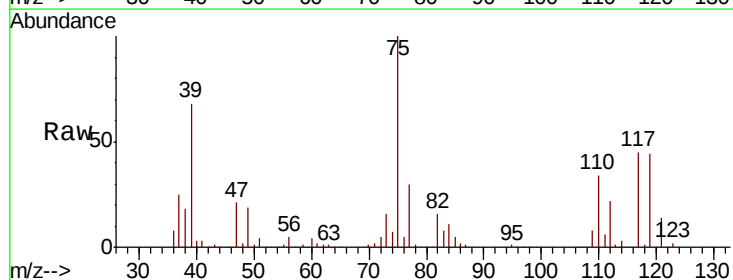
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

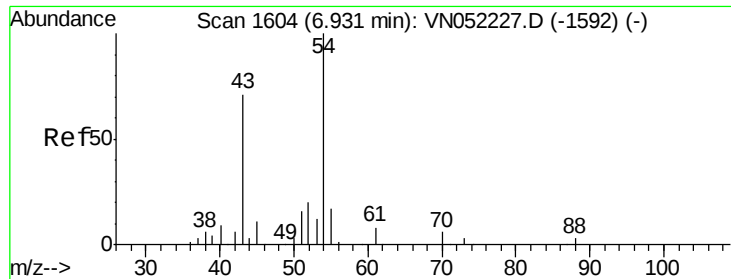
Tgt Ion: 113 Resp: 504570
 Ion Ratio Lower Upper
 113 100
 111 103.2 80.2 120.4
 192 17.7 14.1 21.1



#36
 1,1-Dichloropropene
 Concen: 147.770 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion: 75 Resp: 778106
 Ion Ratio Lower Upper
 75 100
 110 33.1 16.4 49.4
 77 30.2 23.9 35.9

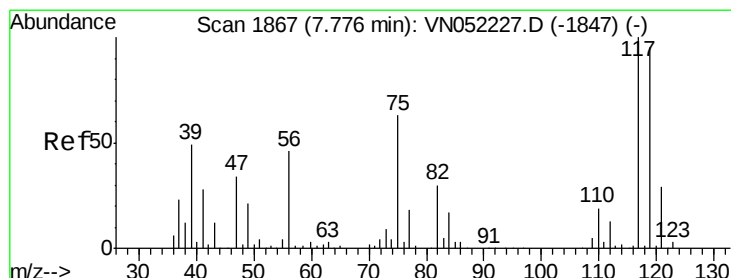
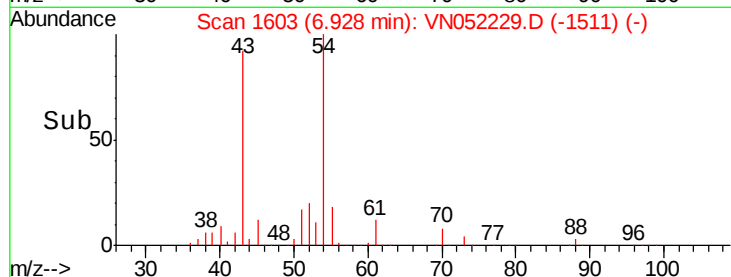
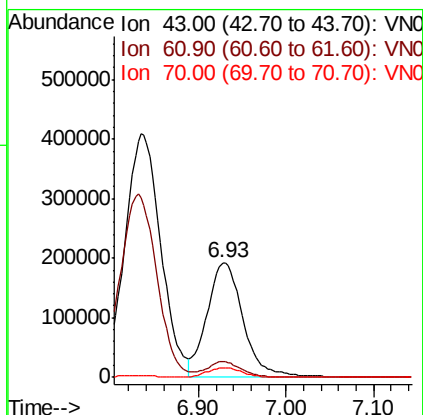
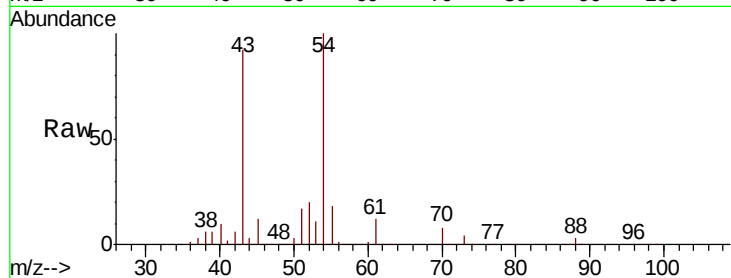




#37
 Ethyl Acetate
 Concen: 140.505 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. -0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

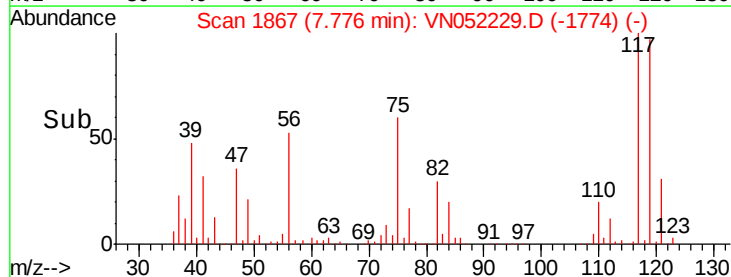
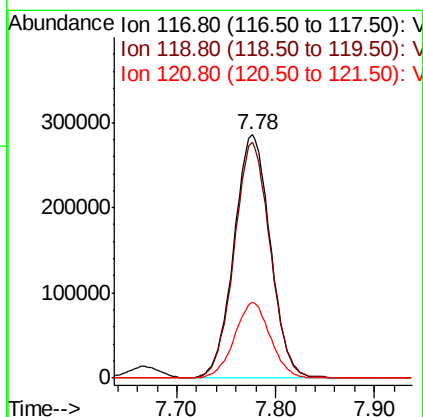
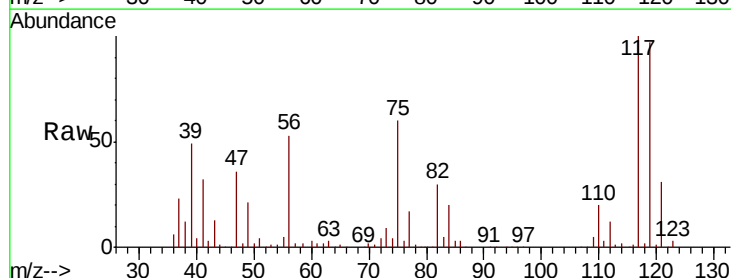
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

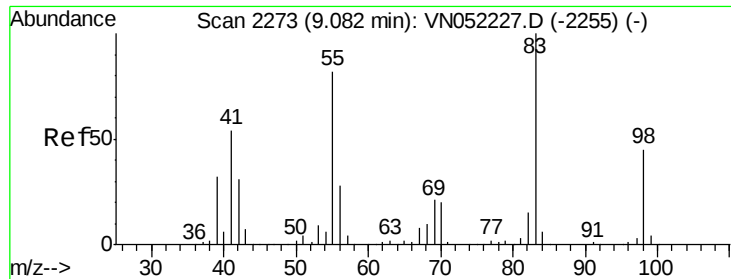
Tgt Ion: 43 Resp: 545890
 Ion Ratio Lower Upper
 43 100
 61 13.1 10.0 15.0
 70 8.2 6.9 10.3



#38
 Carbon Tetrachloride
 Concen: 152.372 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion: 117 Resp: 727105
 Ion Ratio Lower Upper
 117 100
 119 97.0 75.8 113.8
 121 31.3 23.4 35.2

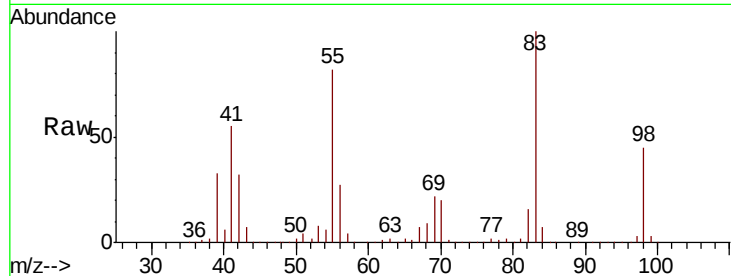




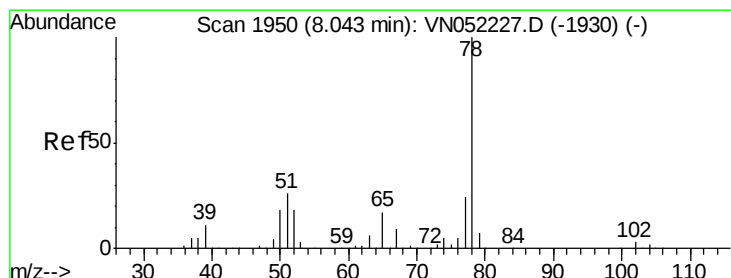
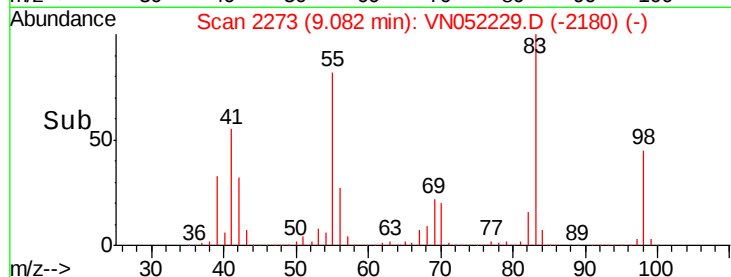
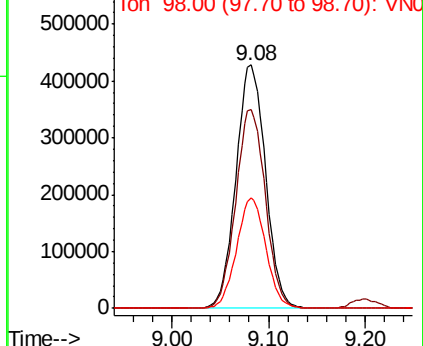
#39
Methylcyclohexane
Concen: 151.517 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 910019
Ion Ratio Lower Upper
83 100
55 81.8 65.2 97.8
98 45.5 36.3 54.5

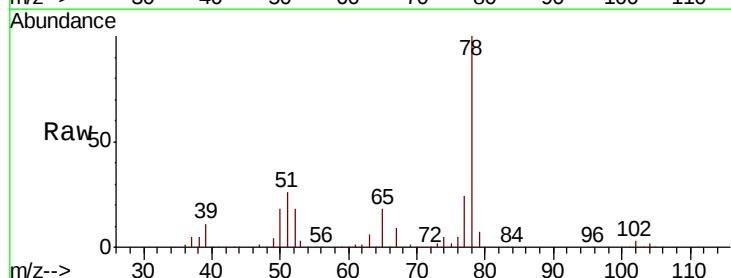


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

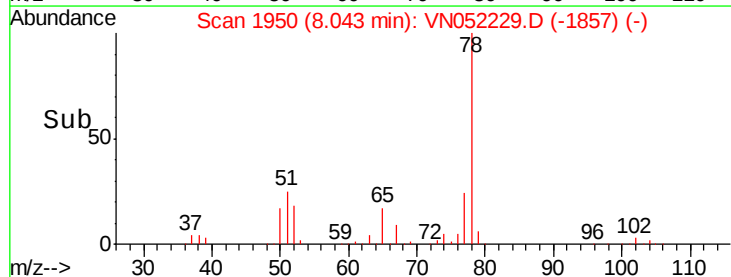
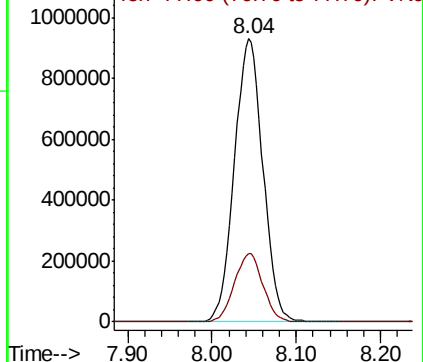


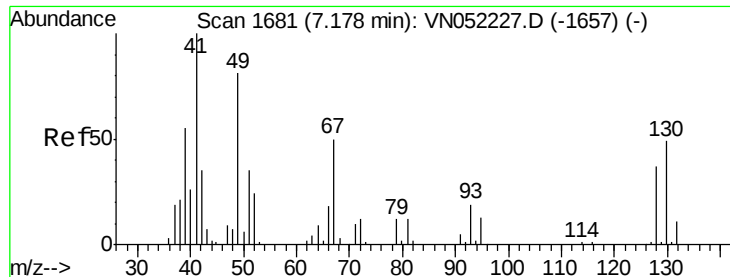
#40
Benzene
Concen: 145.600 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion: 78 Resp: 2195104
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

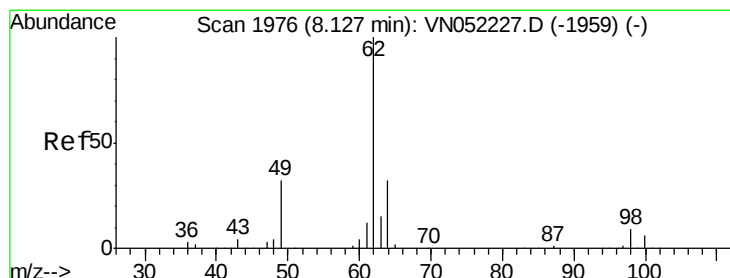
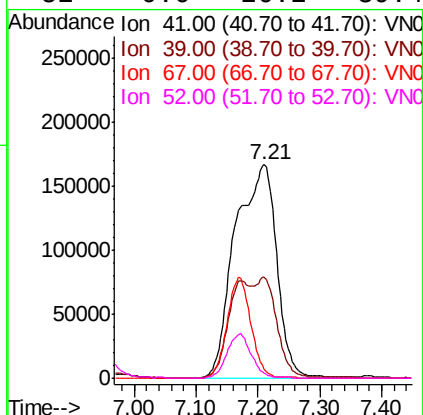
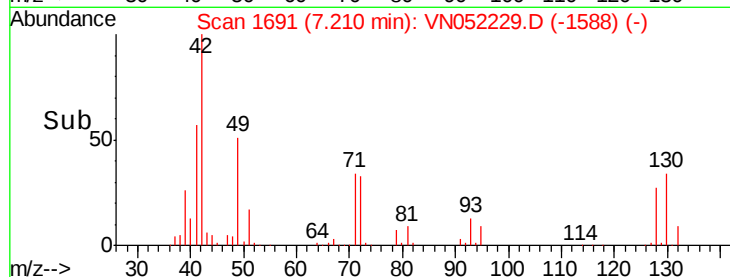
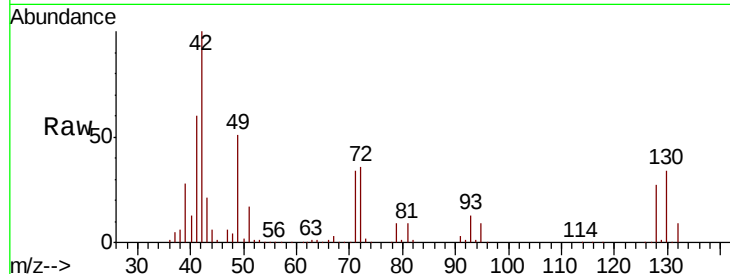




#41
Methacrylonitrile
Concen: 378.161 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.03 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

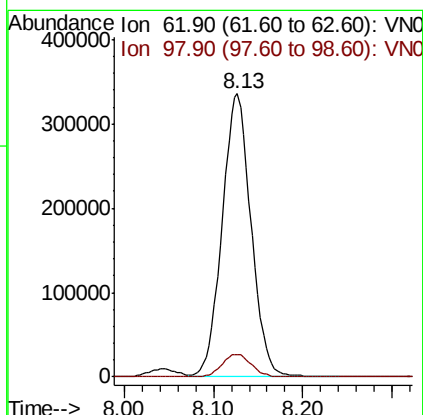
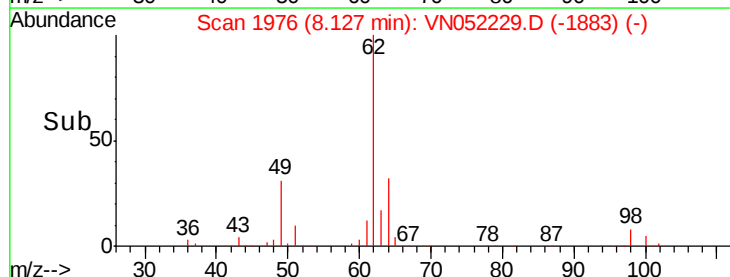
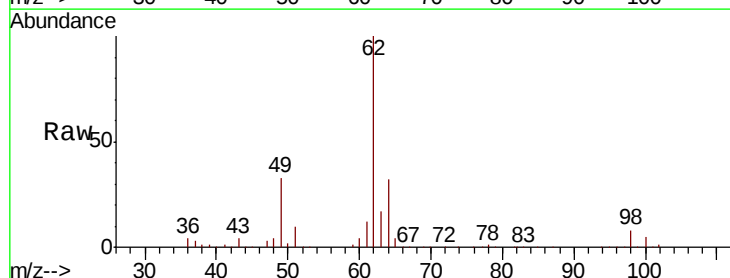
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

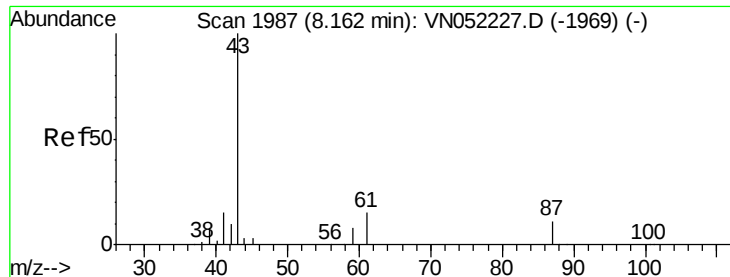
Tgt Ion: 41 Resp: 775057
Ion Ratio Lower Upper
41 100
39 0.0 47.8 71.6#
67 0.0 54.3 81.5#
52 0.0 26.2 39.4#



#42
1,2-Dichloroethane
Concen: 142.404 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion: 62 Resp: 753265
Ion Ratio Lower Upper
62 100
98 8.1 0.0 16.4





#43

Isopropyl Acetate

Concen: 148.111 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

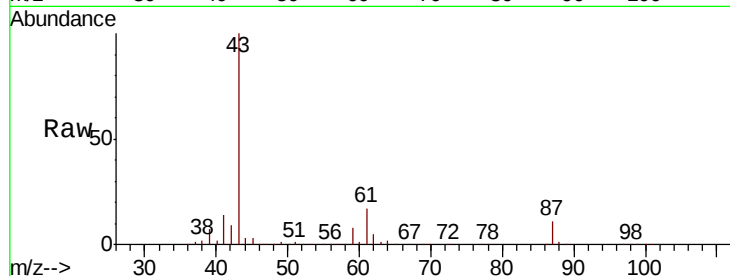
Tgt Ion: 43 Resp: 1022457

Ion Ratio Lower Upper

43 100

61 17.0 14.2 21.4

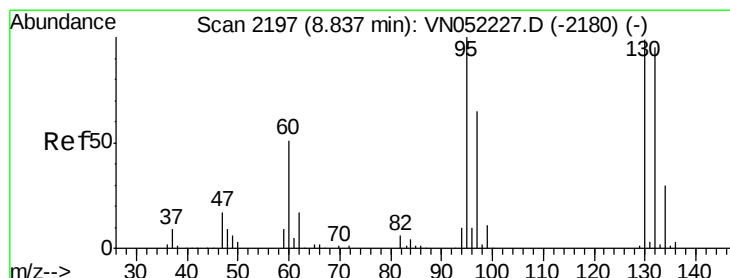
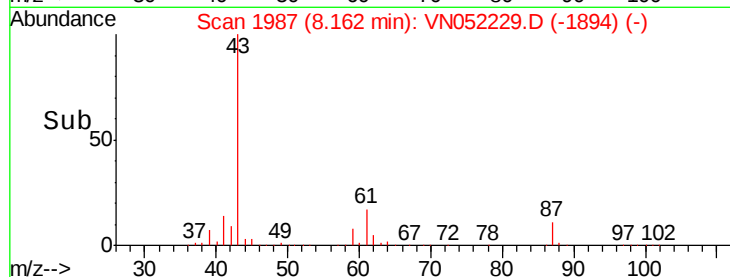
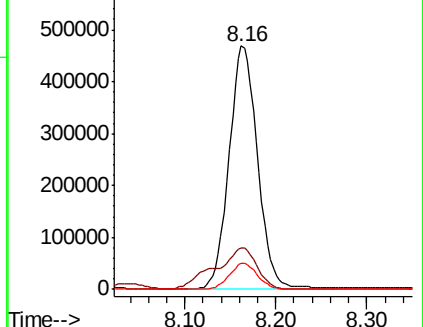
87 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN052227.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN052227.D (-1969) (-)



#44

Trichloroethene

Concen: 146.643 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052229.D

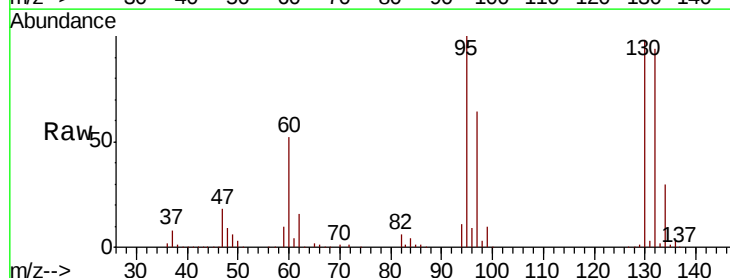
Acq: 9 Nov 2018 15:53

Tgt Ion: 130 Resp: 554006

Ion Ratio Lower Upper

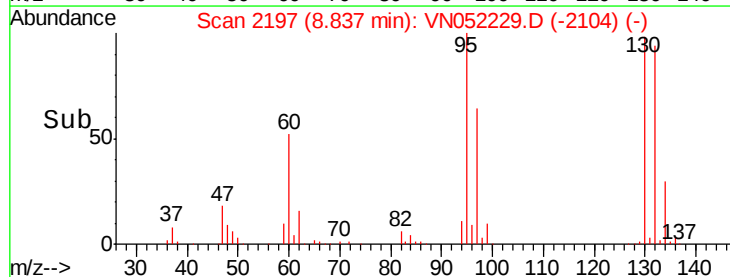
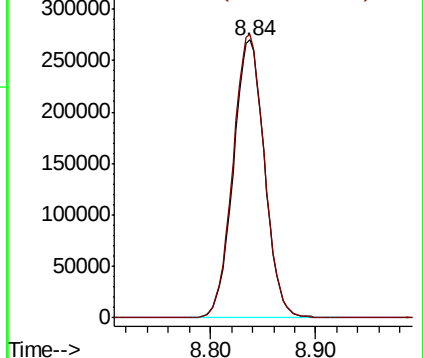
130 100

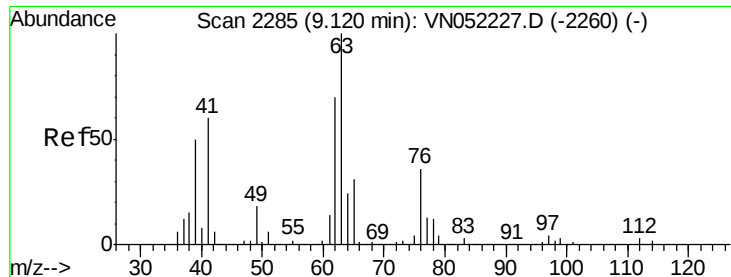
95 101.9 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN052227.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN052227.D (-2180) (-)

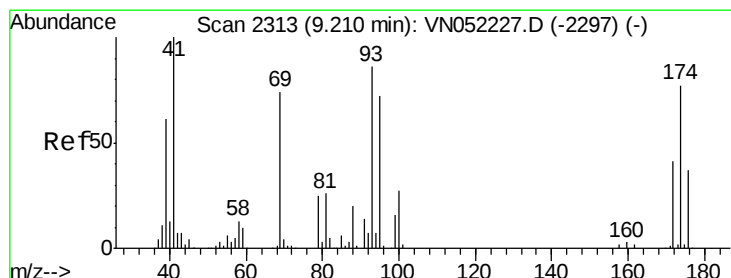
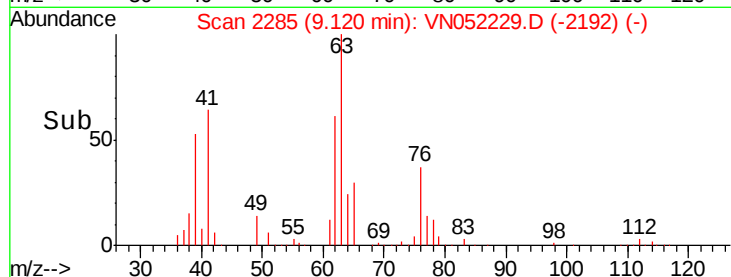
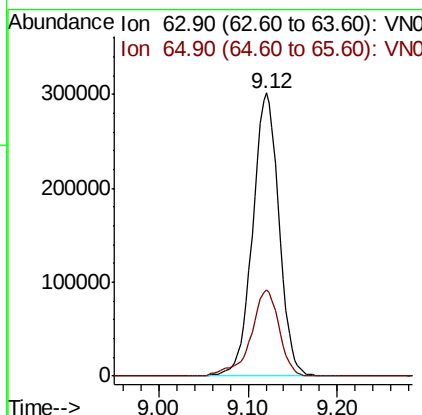
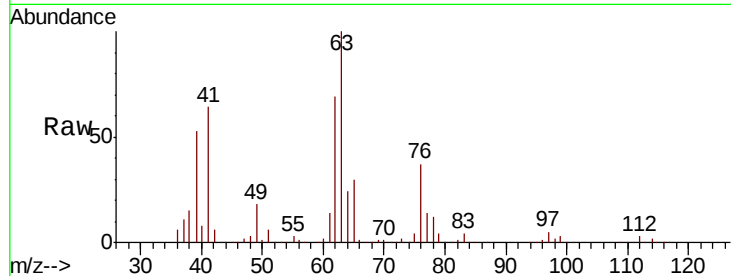




#45
 1,2-Dichloropropane
 Concen: 146.454 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

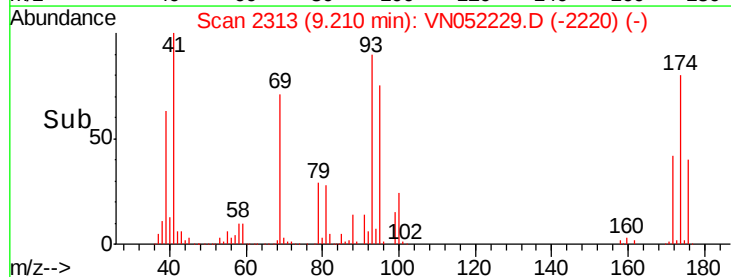
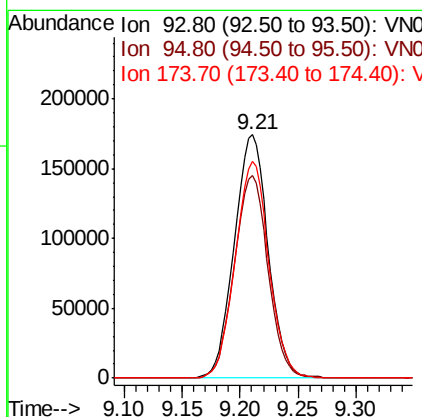
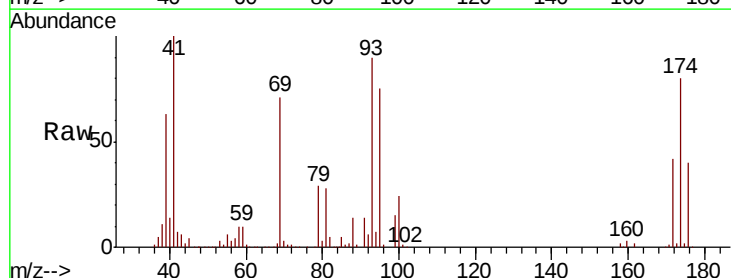
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

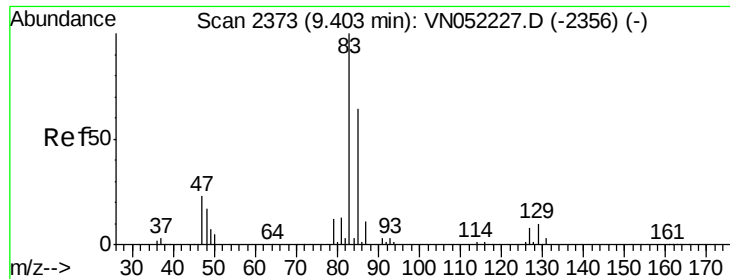
Tgt Ion: 63 Resp: 616840
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.8 37.2



#46
 Dibromomethane
 Concen: 145.985 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion: 93 Resp: 353180
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.0 100.4
 174 88.7 72.1 108.1

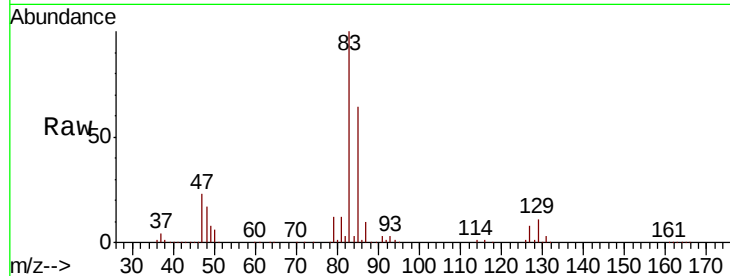




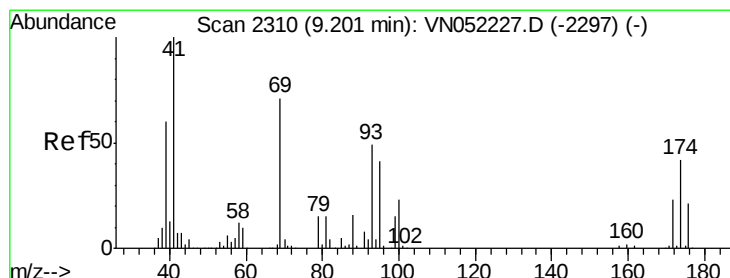
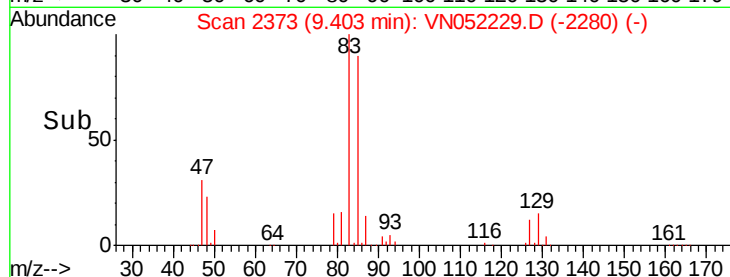
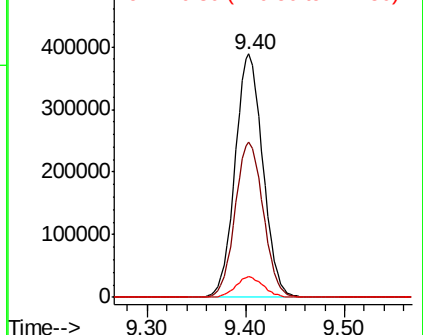
#47
 Bromodichloromethane
 Concen: 151.154 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 83 Resp: 757651
 Ion Ratio Lower Upper
 83 100
 85 63.6 51.2 76.8
 127 8.4 6.2 9.4

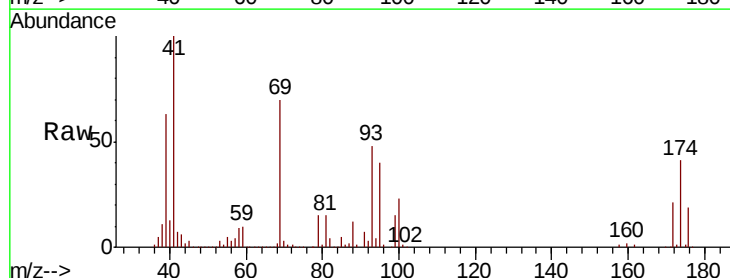


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): VN0

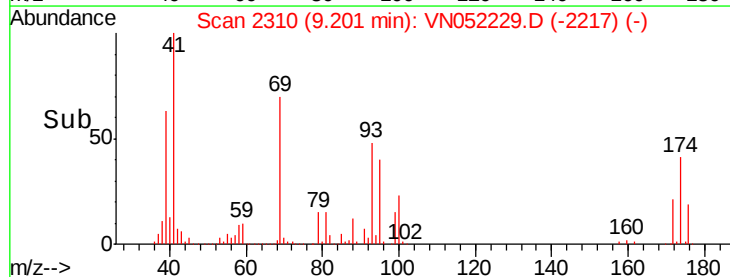
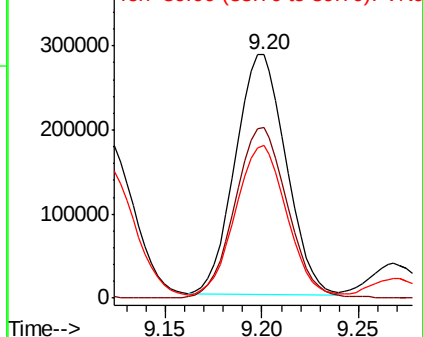


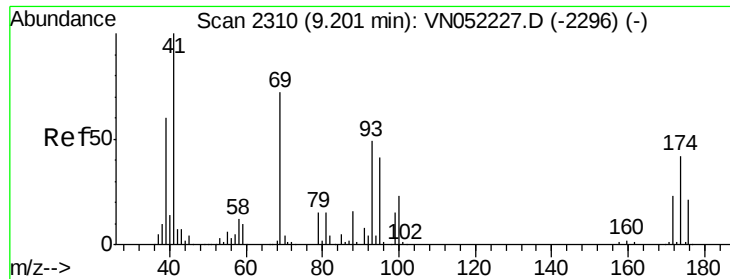
#48
 Methyl methacrylate
 Concen: 143.662 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion: 41 Resp: 522545
 Ion Ratio Lower Upper
 41 100
 69 73.5 58.8 88.2
 39 65.0 50.7 76.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 2464.178 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

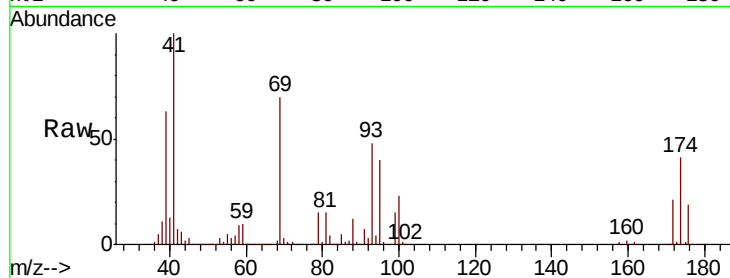
Tgt Ion: 88 Resp: 72052

Ion Ratio Lower Upper

88 100

43 44.6 32.5 48.7

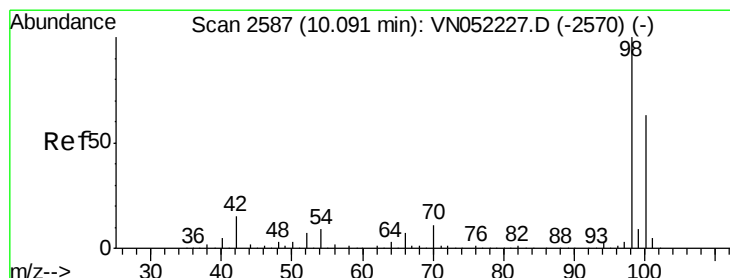
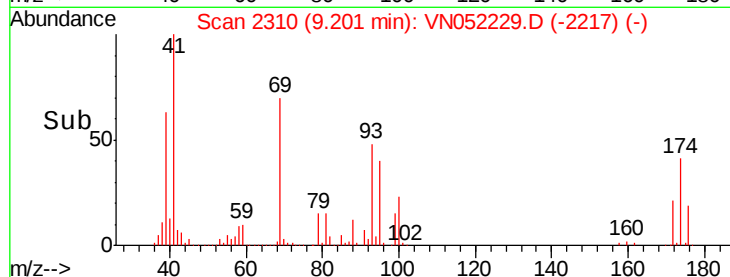
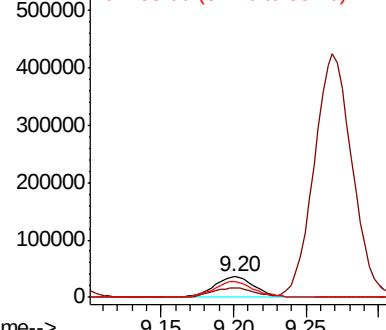
58 74.6 58.2 87.4



Abundance Ion 88.00 (87.70 to 88.70): VN052227.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN052227.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN052227.D (-2296) (-)



#50

Toluene-d8

Concen: 2464.178 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052229.D

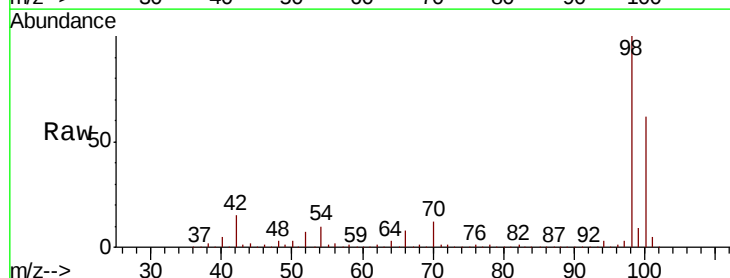
Acq: 9 Nov 2018 15:53

Tgt Ion: 98 Resp: 1996875

Ion Ratio Lower Upper

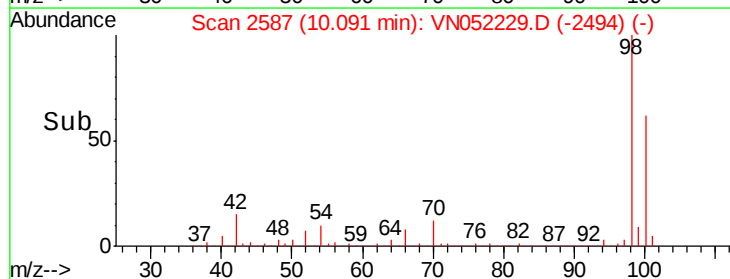
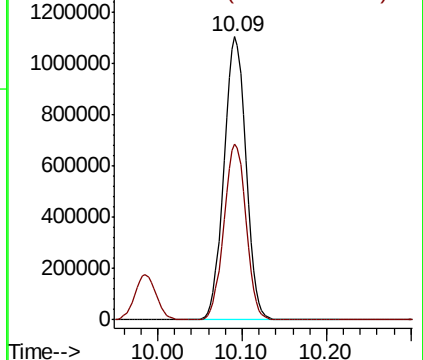
98 100

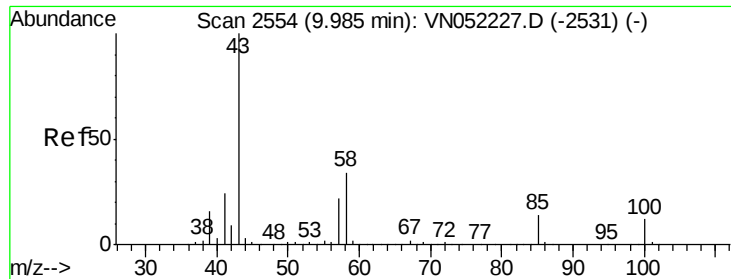
100 62.4 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN052227.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052227.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 704.585 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

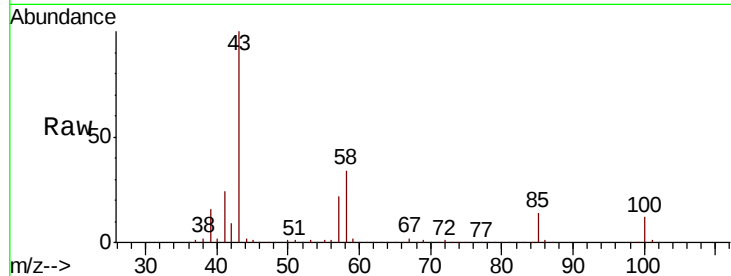
VSTDIC150

Tgt Ion: 43 Resp: 2686134

Ion Ratio Lower Upper

43 100

58 34.4 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN052227.D (-2531) (-)

1500000

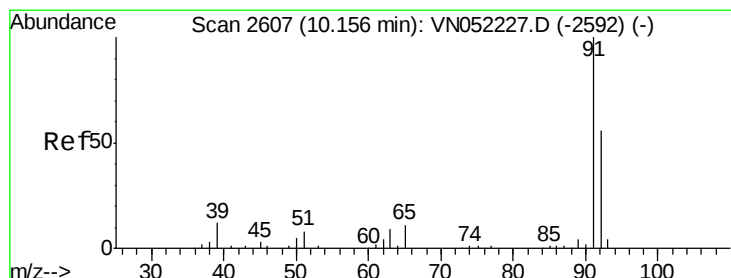
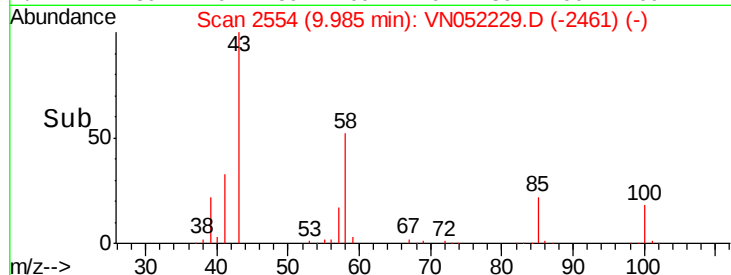
1000000

500000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 149.324 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052229.D

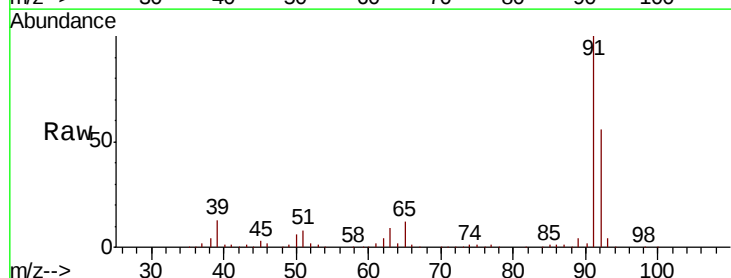
Acq: 9 Nov 2018 15:53

Tgt Ion: 92 Resp: 1358010

Ion Ratio Lower Upper

92 100

91 177.8 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN052227.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN052227.D (-2592) (-)

1500000

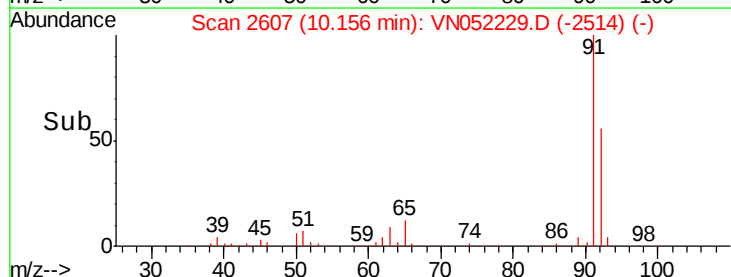
1000000

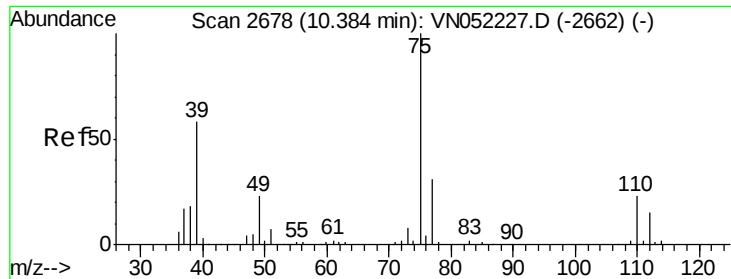
500000

0

10.10 10.16 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 166.770 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

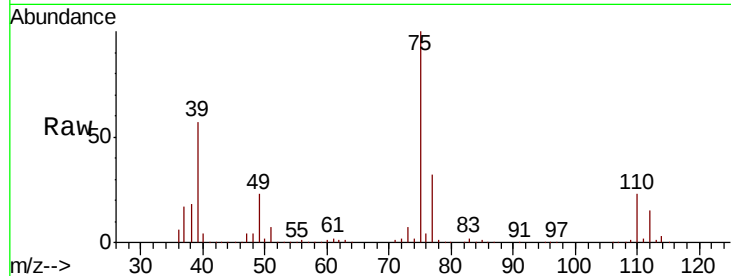
VSTDIC150

Tgt Ion: 75 Resp: 824907

Ion Ratio Lower Upper

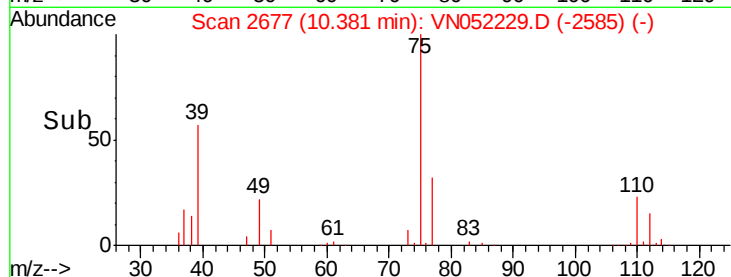
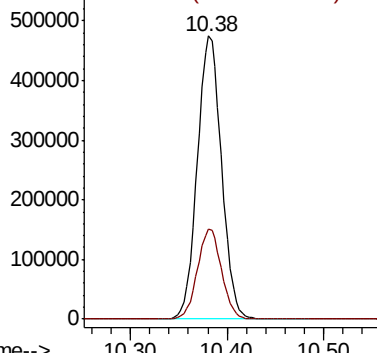
75 100

77 31.7 24.6 36.8

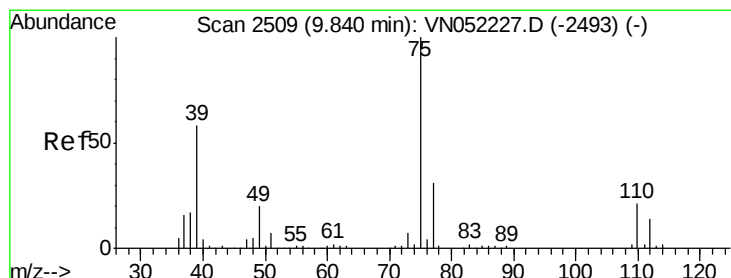


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 158.346 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

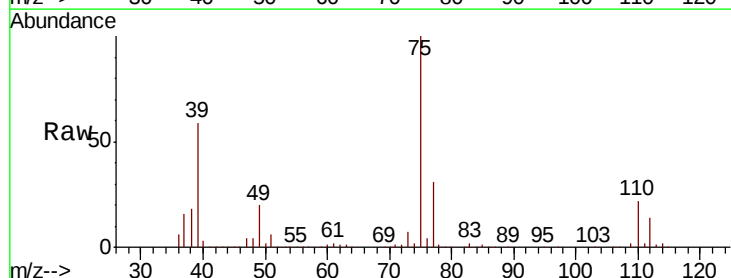
Tgt Ion: 75 Resp: 924590

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8

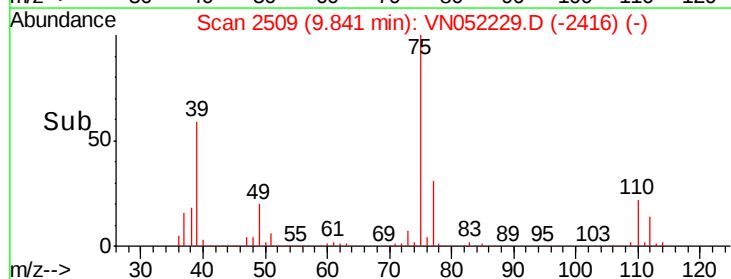
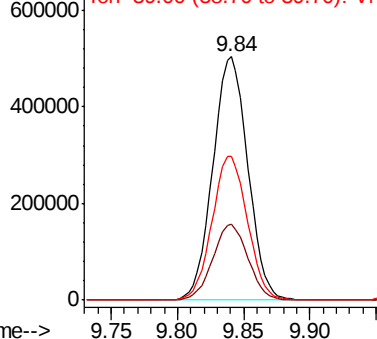
39 59.0 46.6 70.0



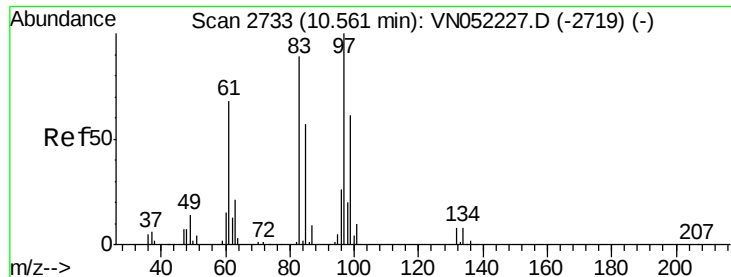
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



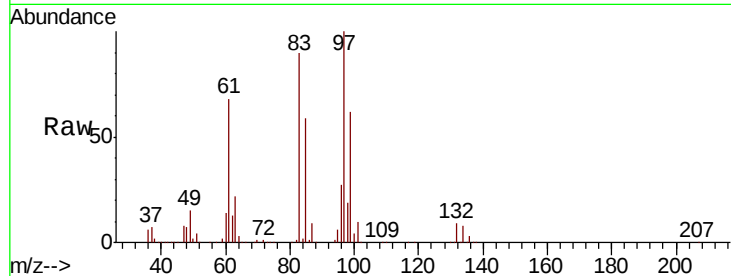
Time-->



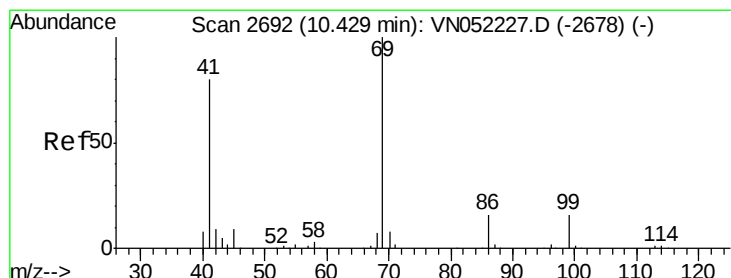
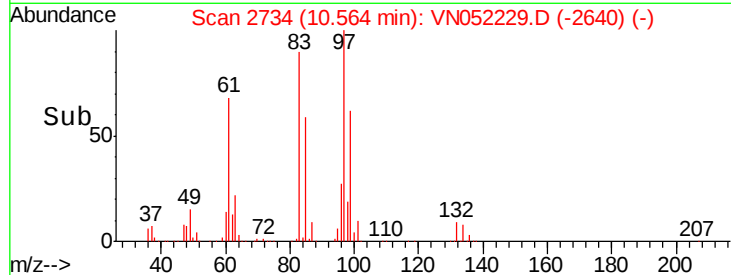
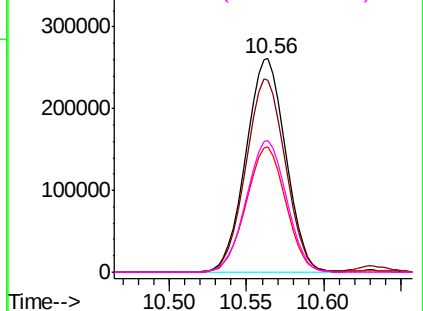
#55
 1,1,2-Trichloroethane
 Concen: 142.929 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 97 Resp: 469825
 Ion Ratio Lower Upper
 97 100
 83 90.1 71.2 106.8
 85 58.5 45.6 68.4
 99 61.9 49.1 73.7

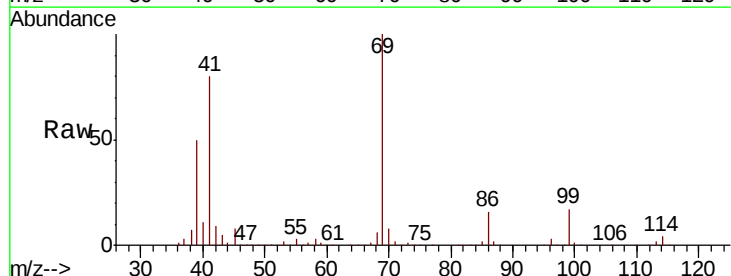


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

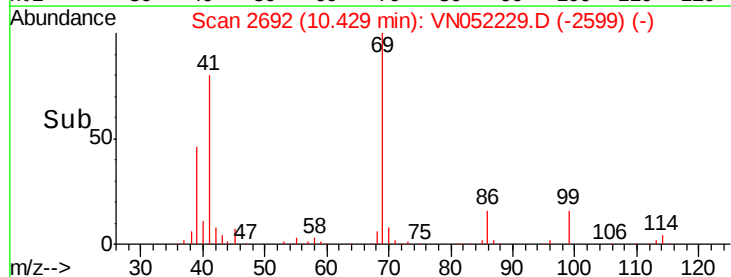
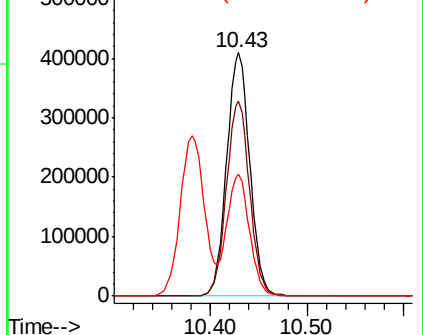


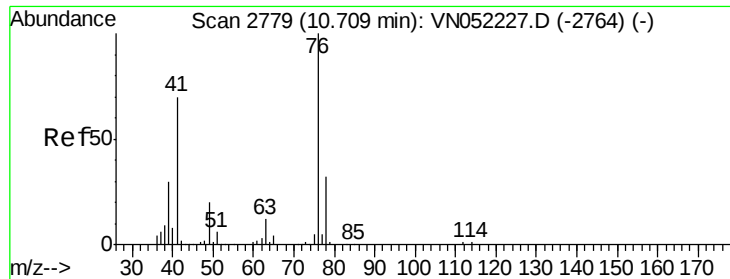
#56
 Ethyl methacrylate
 Concen: 152.641 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion: 69 Resp: 678120
 Ion Ratio Lower Upper
 69 100
 41 79.5 64.0 96.0
 39 48.8 37.8 56.8



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 145.752 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

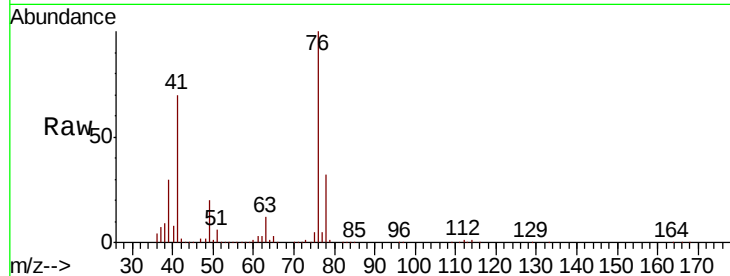
VSTDIC150

Tgt Ion: 76 Resp: 857655

Ion Ratio Lower Upper

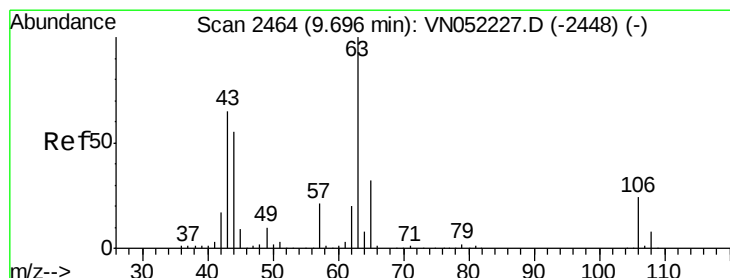
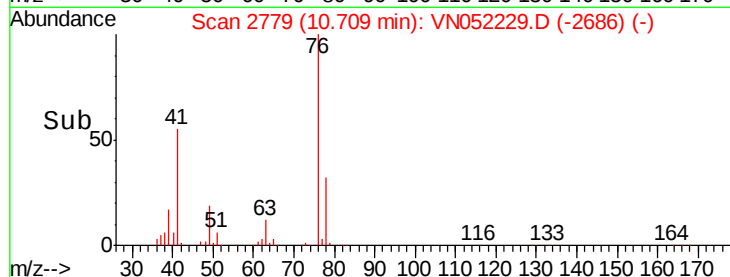
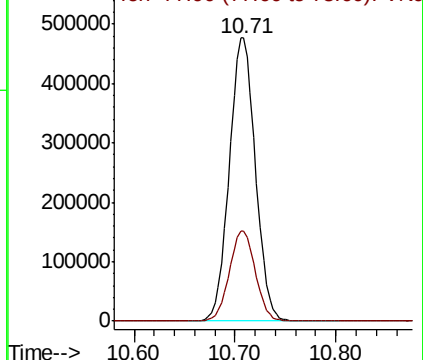
76 100

78 31.8 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 763.177 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052229.D

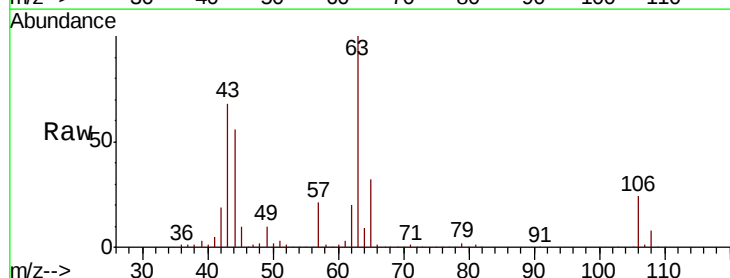
Acq: 9 Nov 2018 15:53

Tgt Ion: 63 Resp: 1877360

Ion Ratio Lower Upper

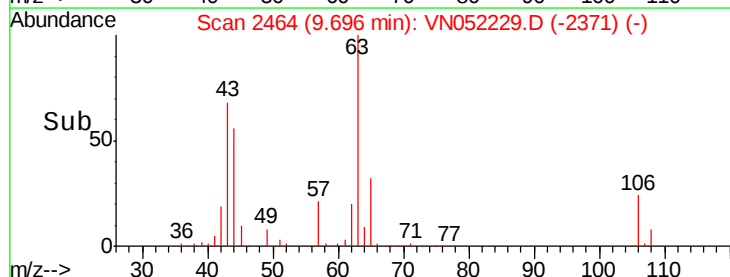
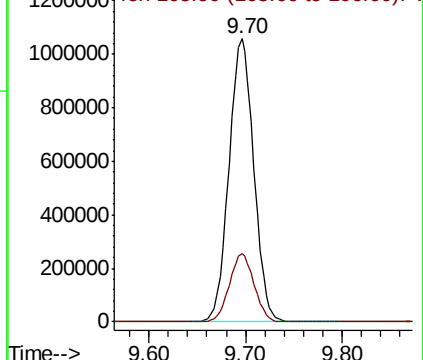
63 100

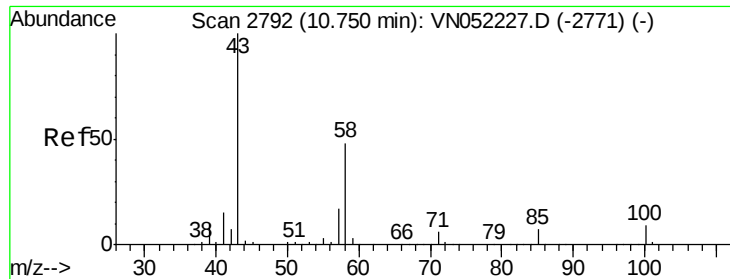
106 24.0 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

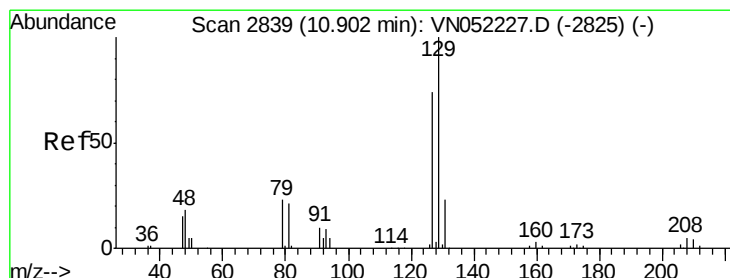
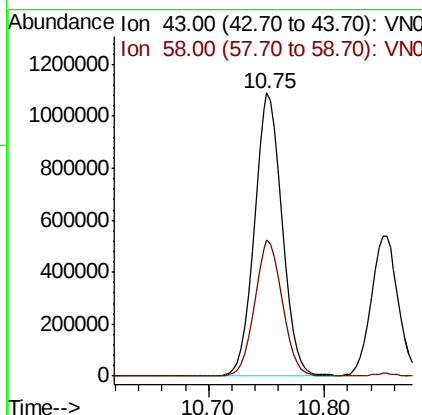
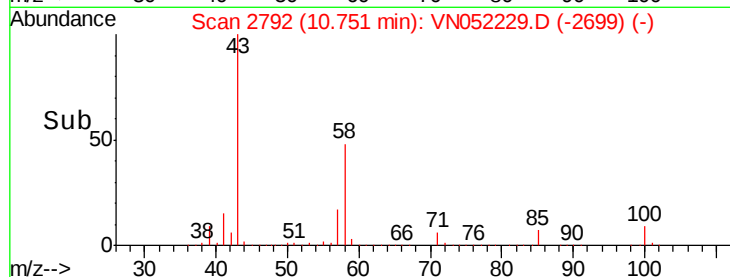
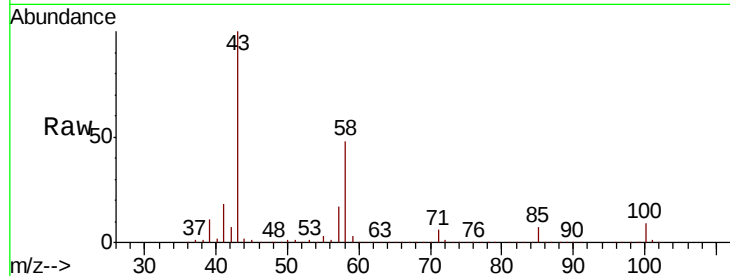




#59
2-Hexanone
Concen: 677.848 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

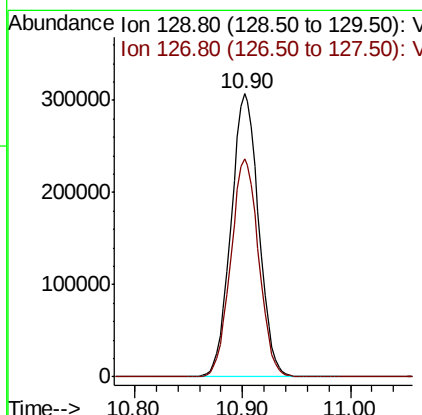
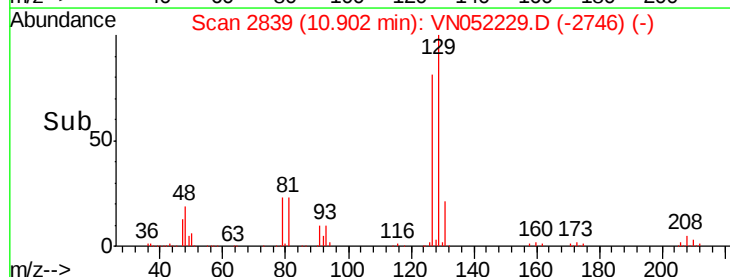
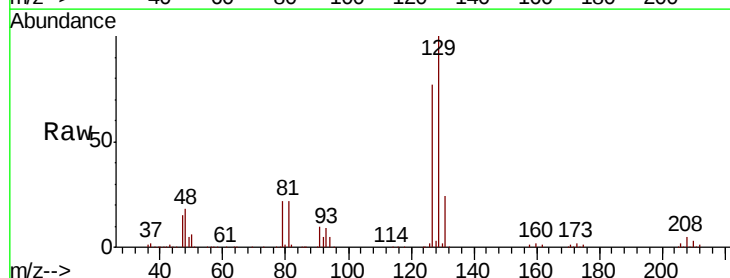
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

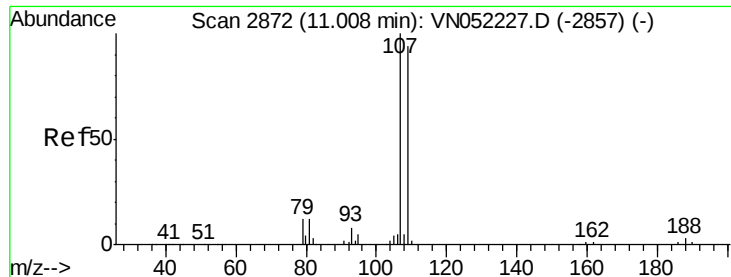
Tgt Ion: 43 Resp: 1814109
Ion Ratio Lower Upper
43 100
58 48.2 24.1 72.3



#60
Dibromochloromethane
Concen: 164.935 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion: 129 Resp: 549933
Ion Ratio Lower Upper
129 100
127 77.6 38.0 114.1

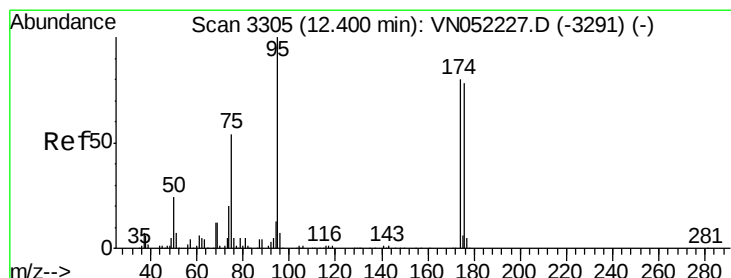
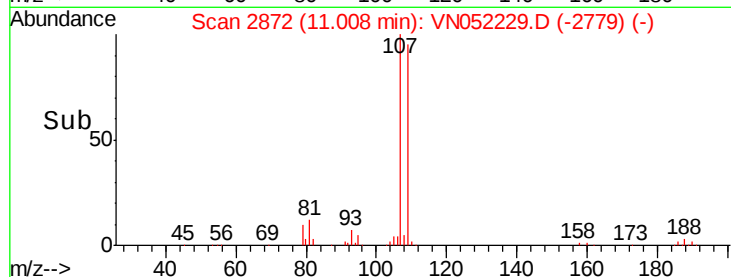
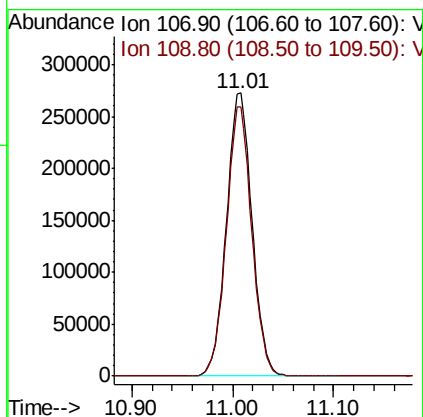
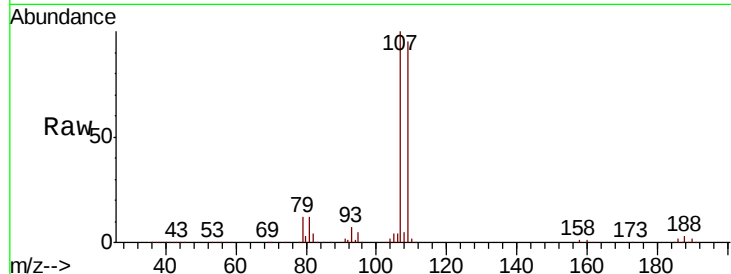




#61
 1,2-Dibromoethane
 Concen: 149.697 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

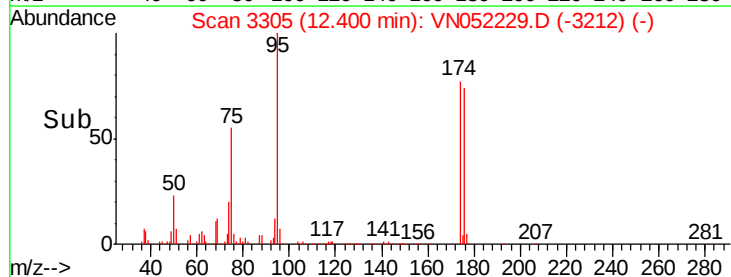
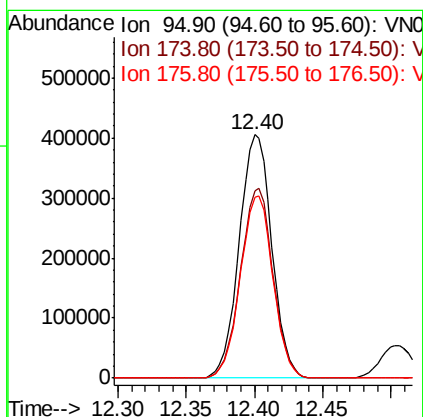
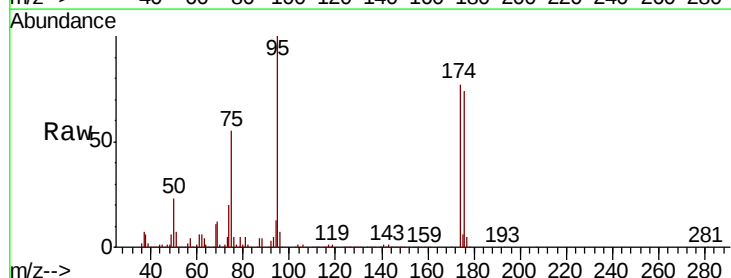
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

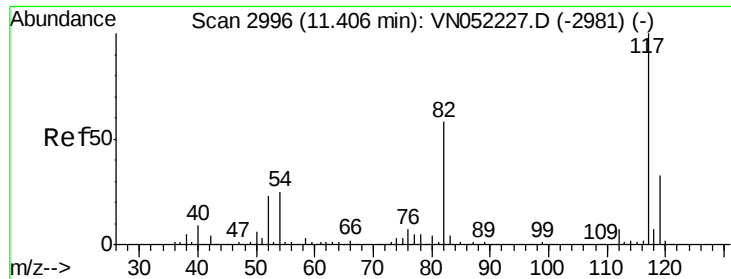
Tgt Ion: 107 Resp: 483607
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 149.697 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion: 95 Resp: 672718
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 159.4
 176 75.1 0.0 157.8

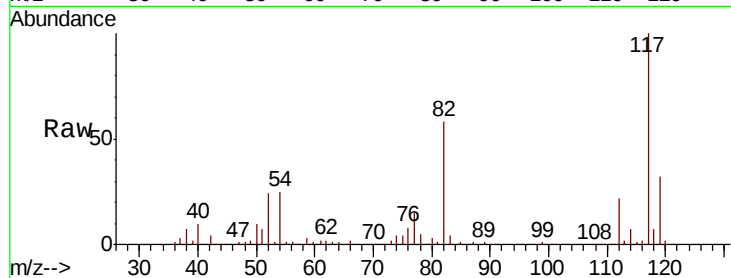




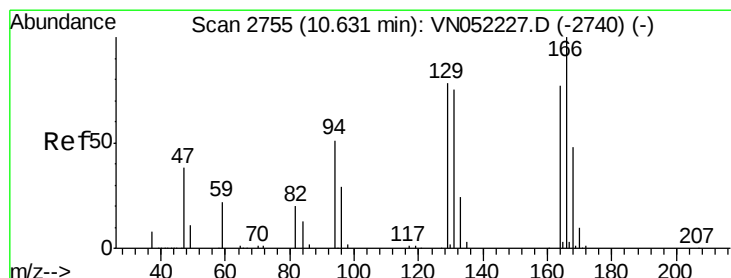
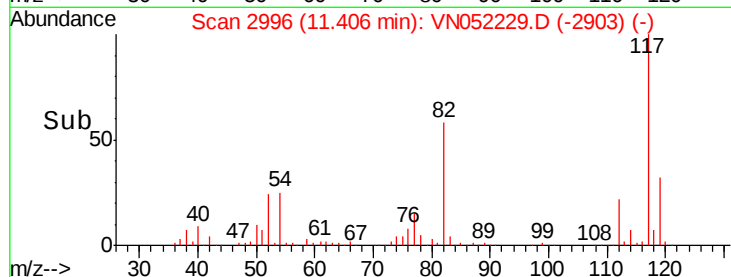
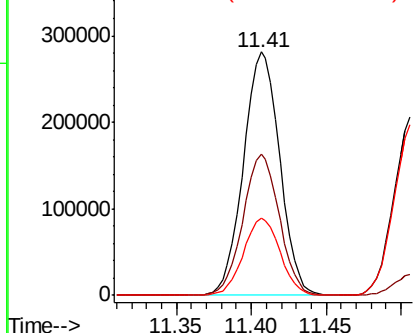
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 474272
Ion Ratio Lower Upper
117 100
82 57.9 46.2 69.2
119 31.8 26.2 39.4

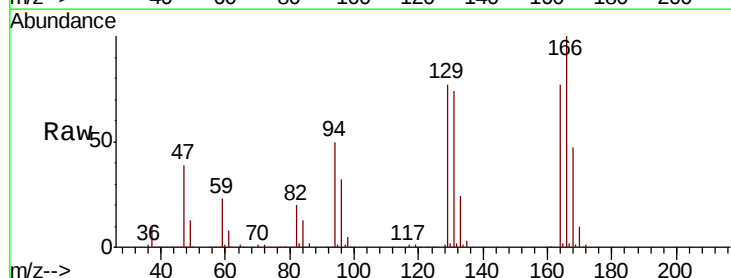


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

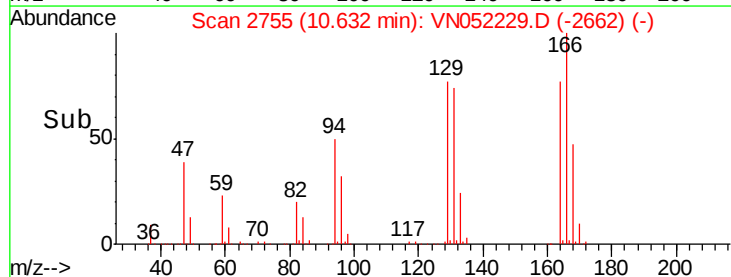
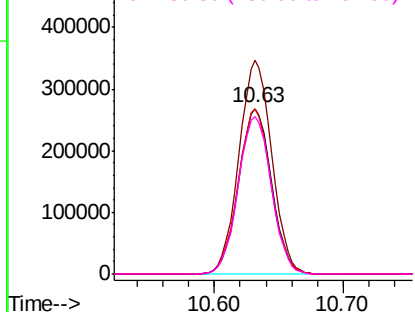


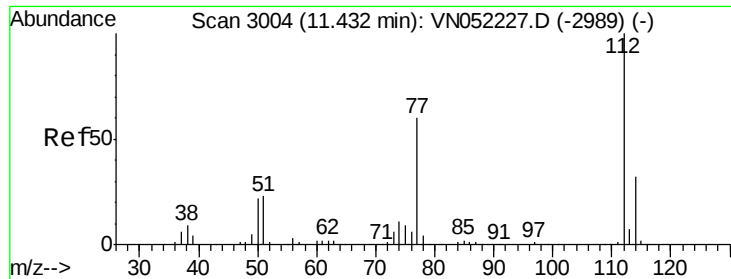
#64
Tetrachloroethene
Concen: 143.295 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion:164 Resp: 475820
Ion Ratio Lower Upper
164 100
166 129.1 103.6 155.4
129 100.1 81.0 121.6
131 95.3 77.9 116.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

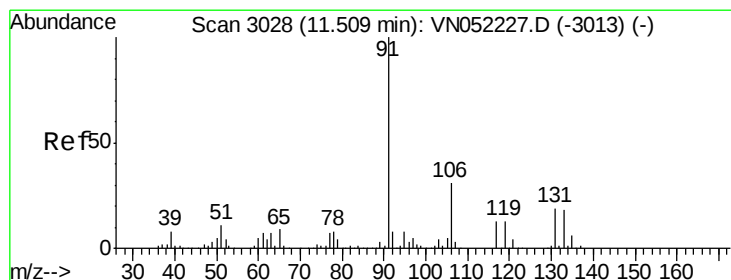
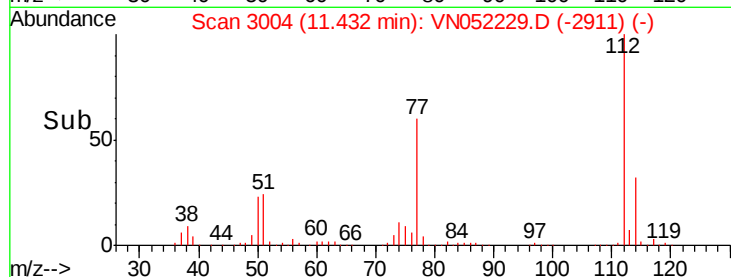
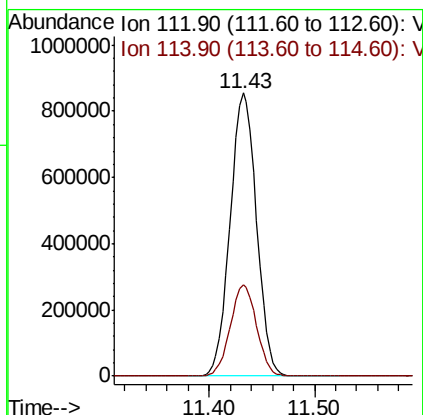
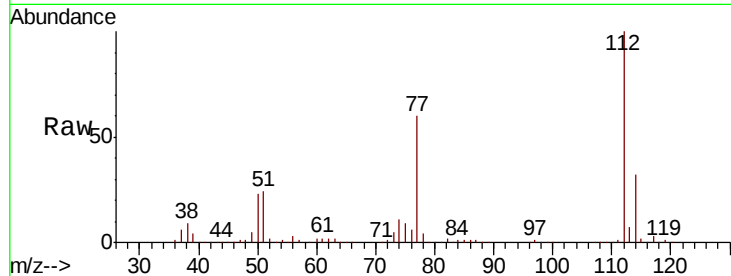




#65
Chlorobenzene
Concen: 146.865 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

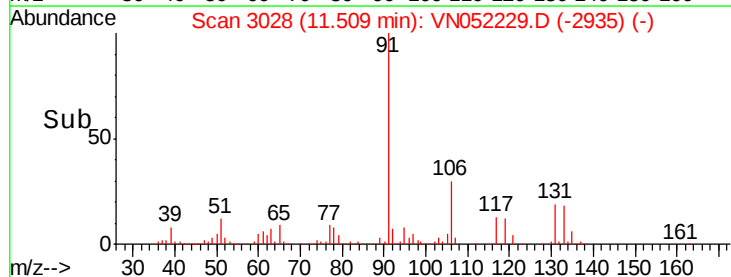
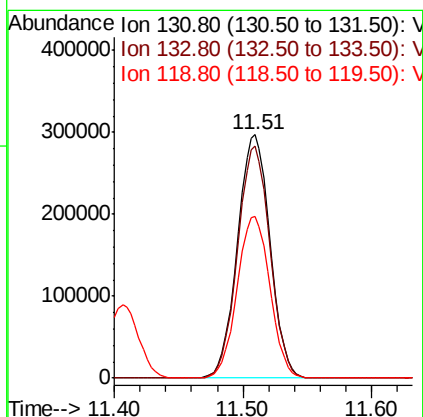
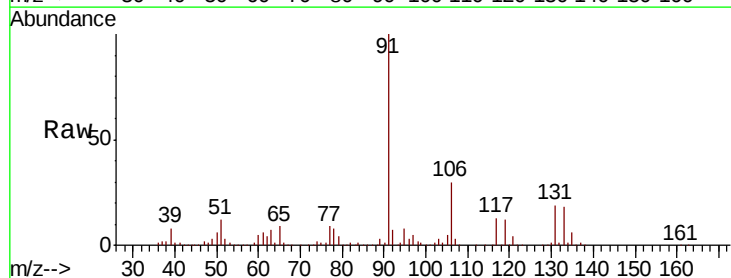
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

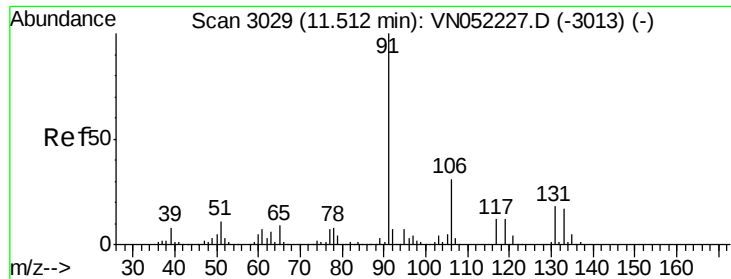
Tgt Ion:112 Resp: 1475902
Ion Ratio Lower Upper
112 100
114 32.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 152.997 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion:131 Resp: 520817
Ion Ratio Lower Upper
131 100
133 95.0 48.3 144.9
119 67.1 34.6 103.9

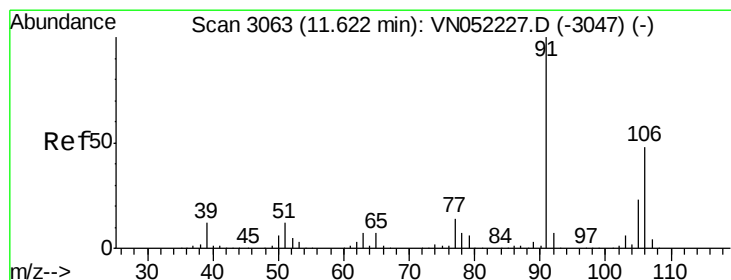
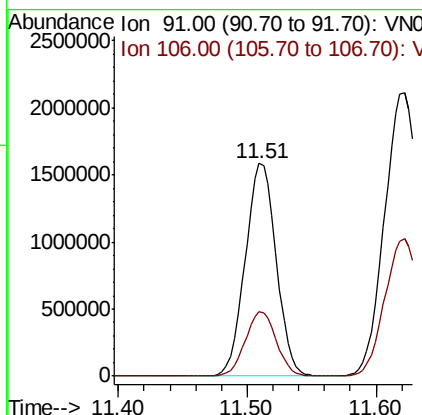
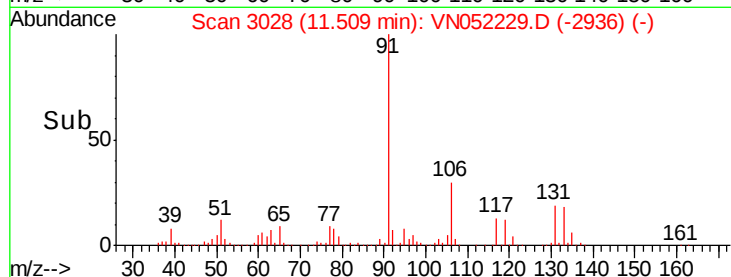
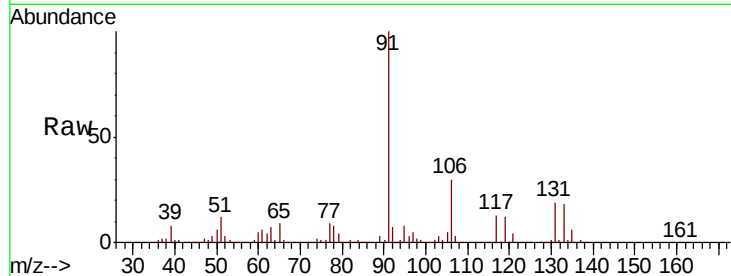




#67
Ethyl Benzene
Concen: 150.240 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

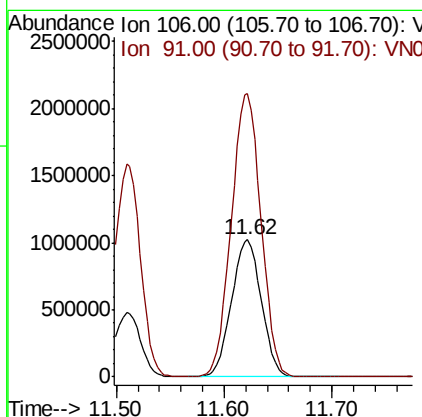
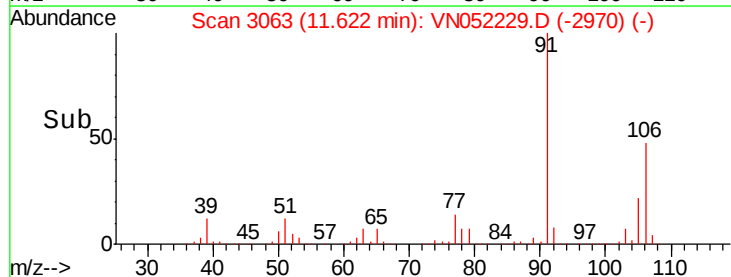
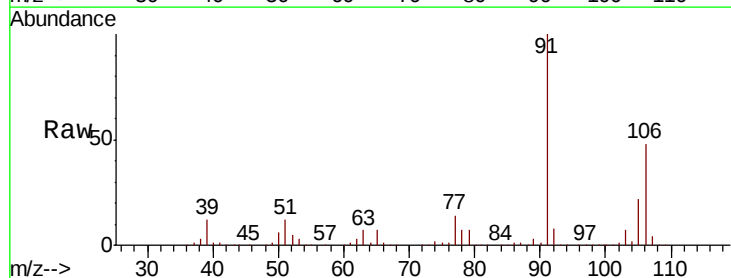
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

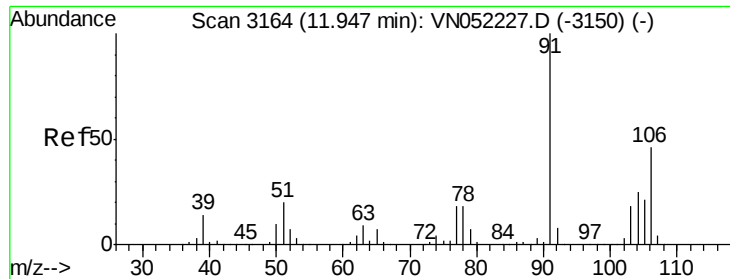
Tgt Ion: 91 Resp: 2655689
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1



#68
m/p-Xylenes
Concen: 298.266 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion: 106 Resp: 1963451
Ion Ratio Lower Upper
106 100
91 206.0 165.7 248.5

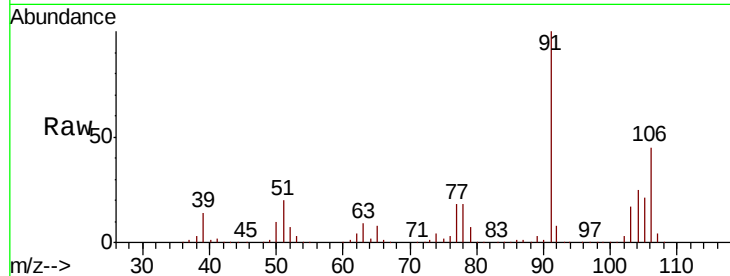




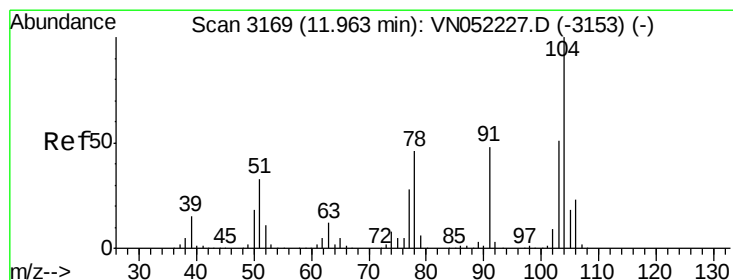
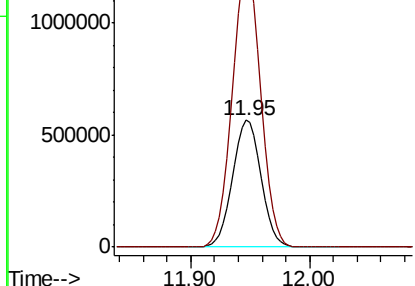
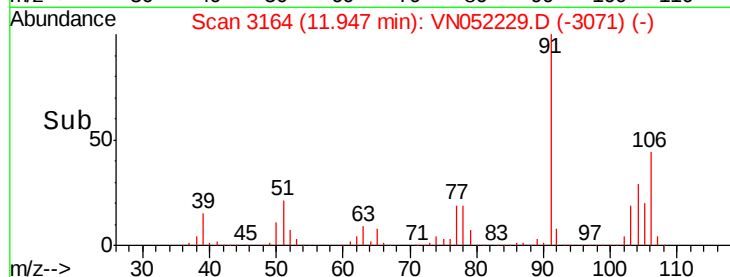
#69
o-Xylene
Concen: 149.161 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 938101
Ion Ratio Lower Upper
106 100
91 221.1 108.5 325.5

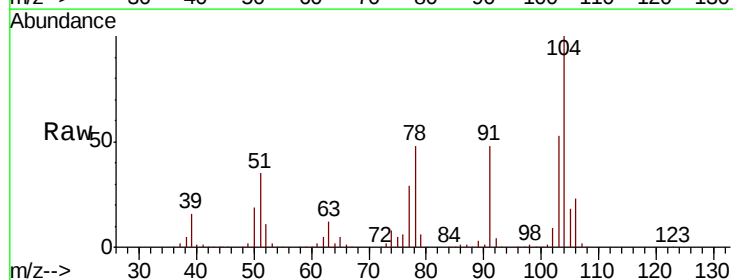


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

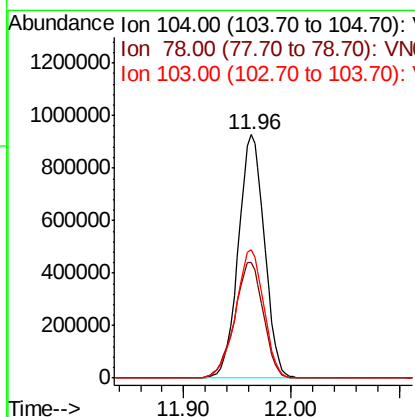
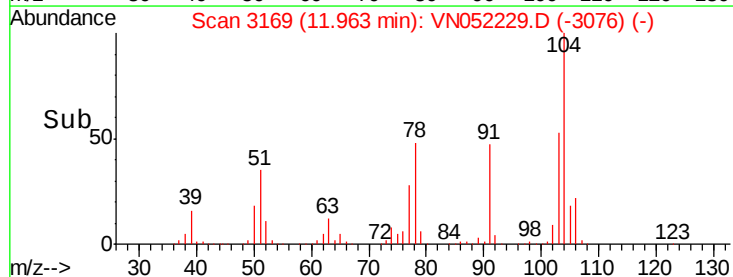


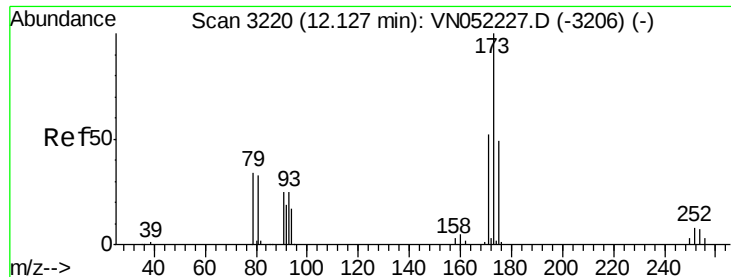
#70
Styrene
Concen: 153.507 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion:104 Resp: 1559765
Ion Ratio Lower Upper
104 100
78 52.4 41.8 62.6
103 56.6 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 163.619 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

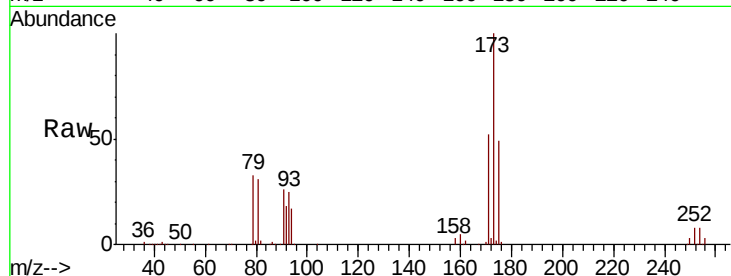
Tgt Ion:173 Resp: 332274

Ion Ratio Lower Upper

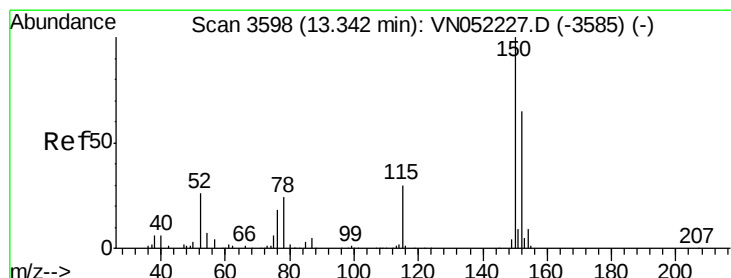
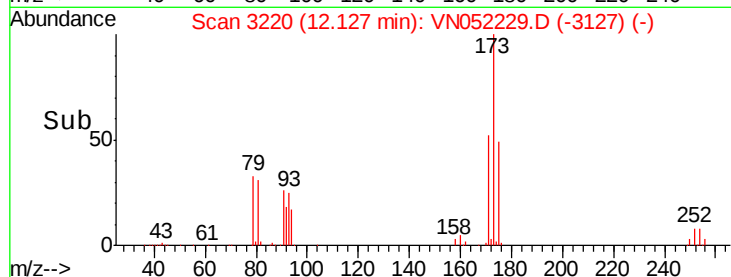
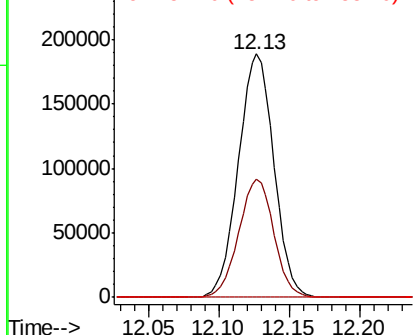
173 100

175 48.0 24.5 73.5

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

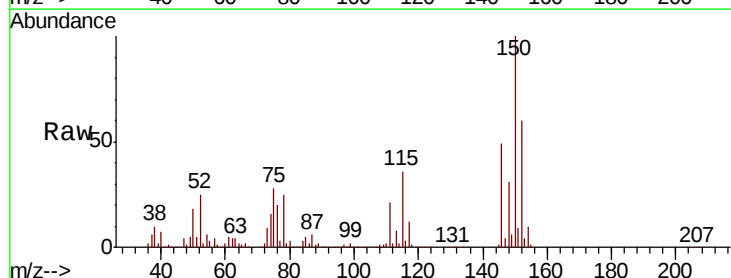
Tgt Ion:152 Resp: 215973

Ion Ratio Lower Upper

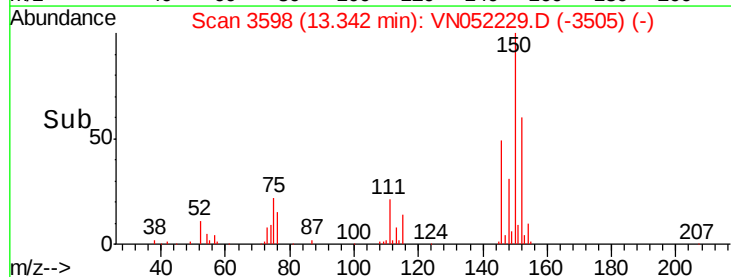
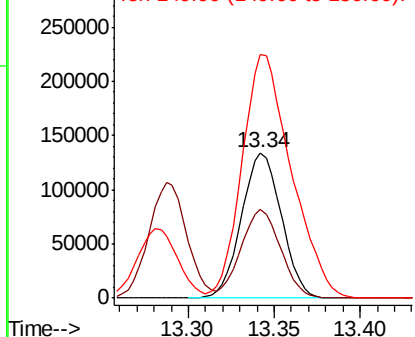
152 100

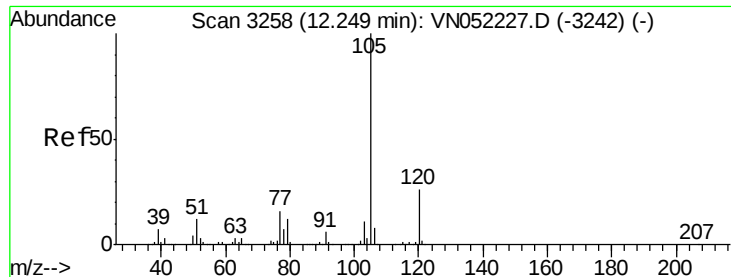
115 60.1 29.8 89.5

150 206.1 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 144.699 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

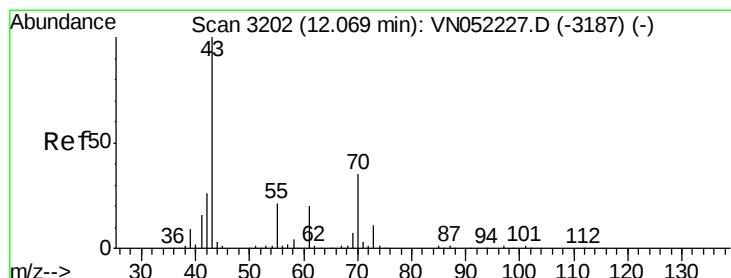
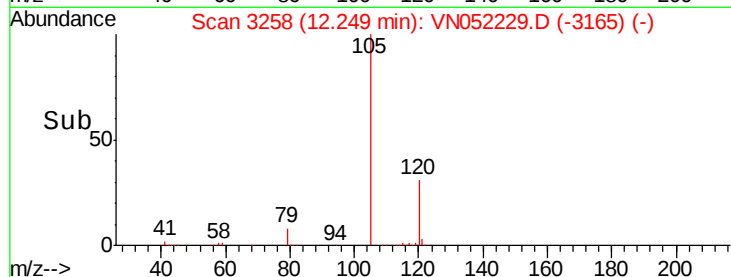
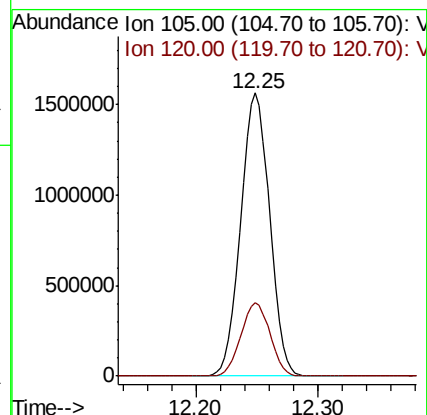
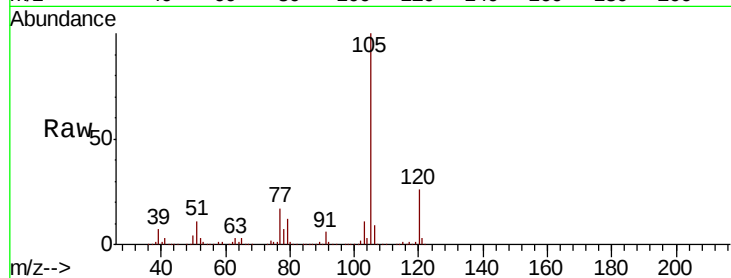
VSTDIC150

Tgt Ion:105 Resp: 2554657

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1



#74

N-ethyl acetate

Concen: 146.751 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Tgt Ion: 43 Resp: 940595

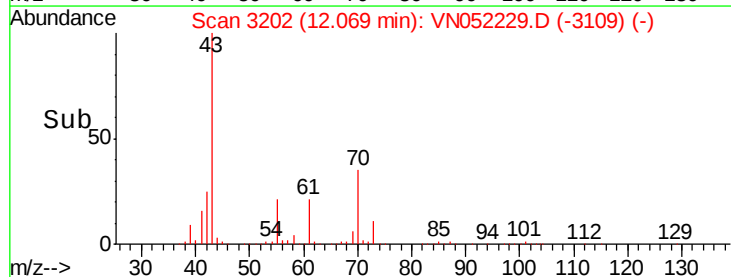
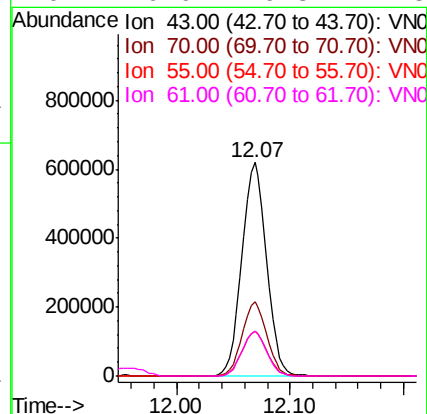
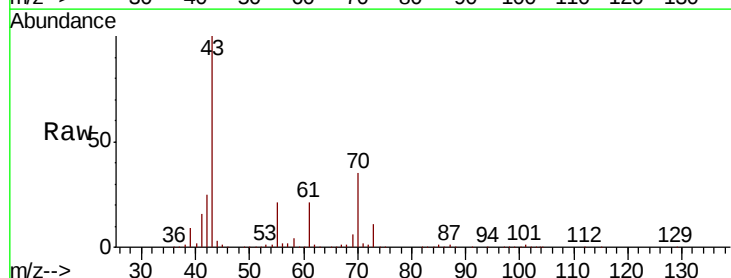
Ion Ratio Lower Upper

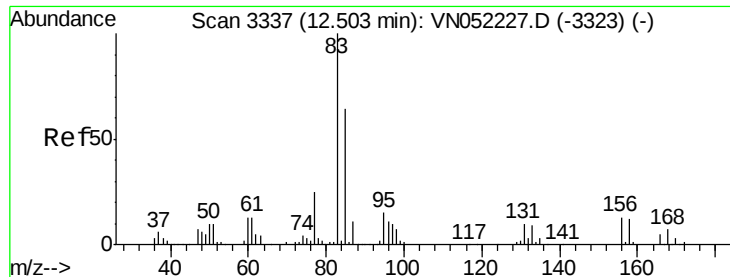
43 100

70 34.7 28.2 42.2

55 21.2 17.4 26.2

61 20.9 16.3 24.5





#75

1,1,2,2-Tetrachloroethane

Concen: 132.130 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

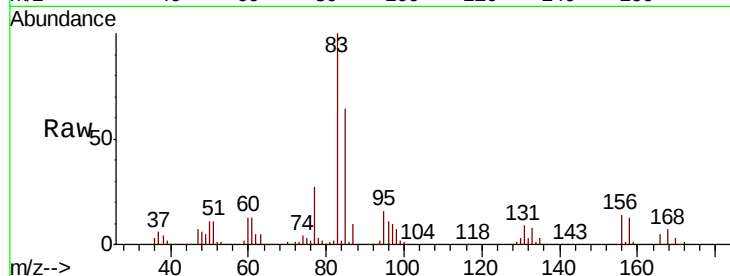
Tgt Ion: 83 Resp: 571883

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.2

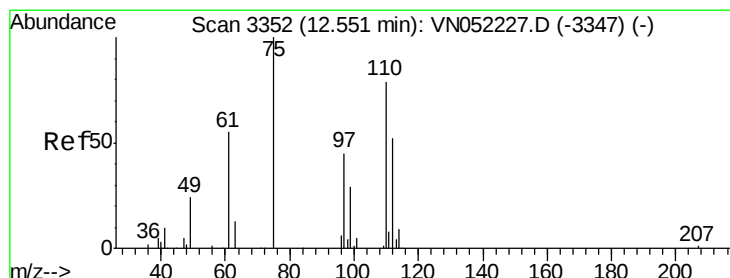
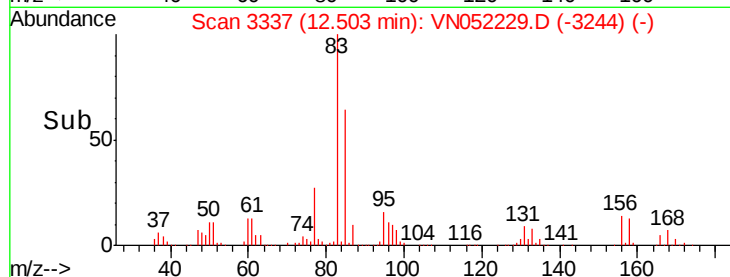
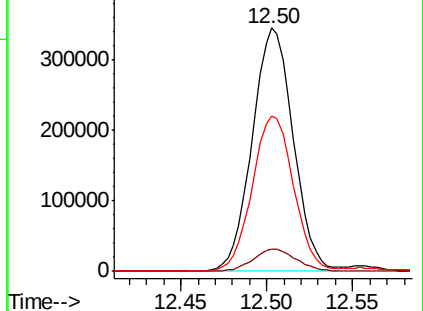
85 64.2 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN052227.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052227.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052227.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 226.794 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052229.D

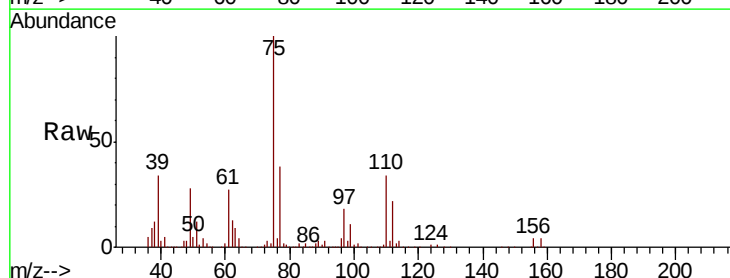
Acq: 9 Nov 2018 15:53

Tgt Ion: 75 Resp: 785810

Ion Ratio Lower Upper

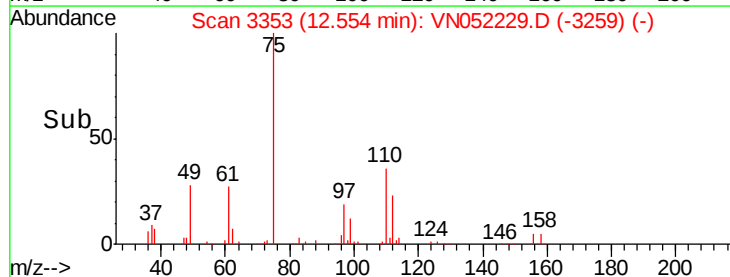
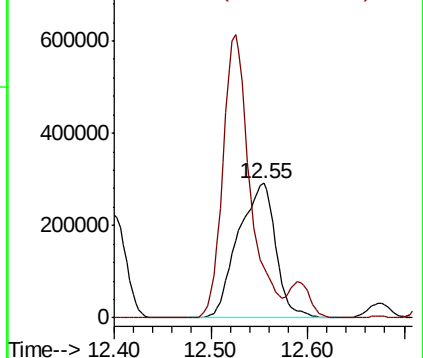
75 100

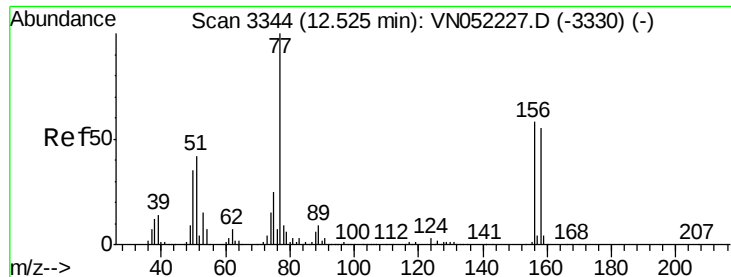
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN052227.D (-3347) (-)





#77

Bromobenzene

Concen: 140.429 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

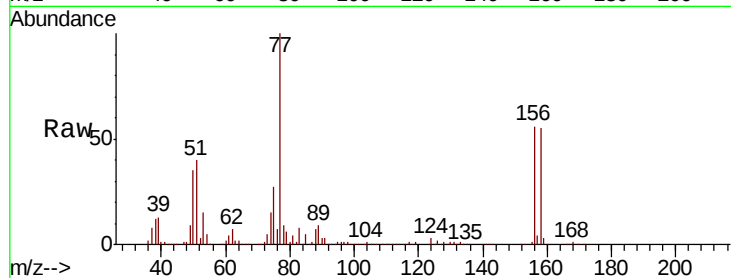
Tgt Ion:156 Resp: 580341

Ion Ratio Lower Upper

156 100

77 206.6 101.1 303.3

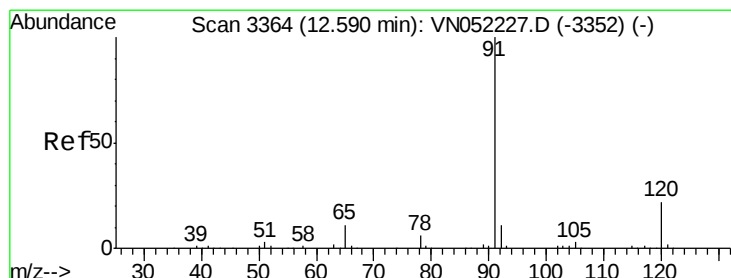
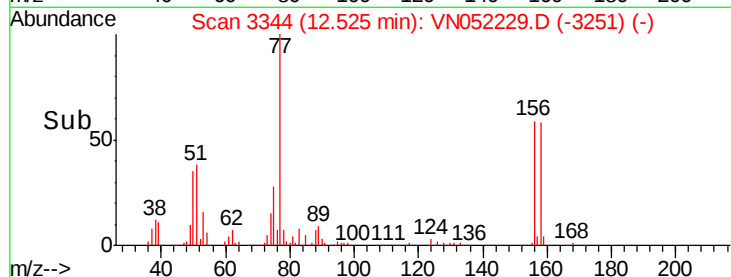
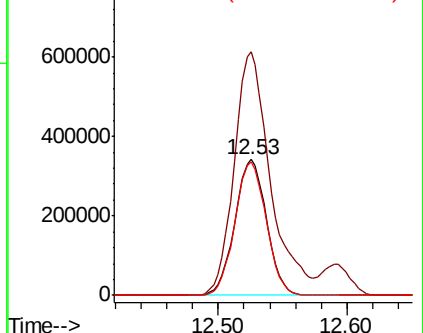
158 97.6 47.8 143.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 147.495 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052229.D

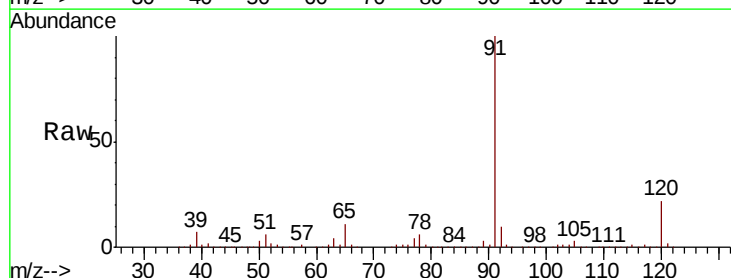
Acq: 9 Nov 2018 15:53

Tgt Ion: 91 Resp: 3049856

Ion Ratio Lower Upper

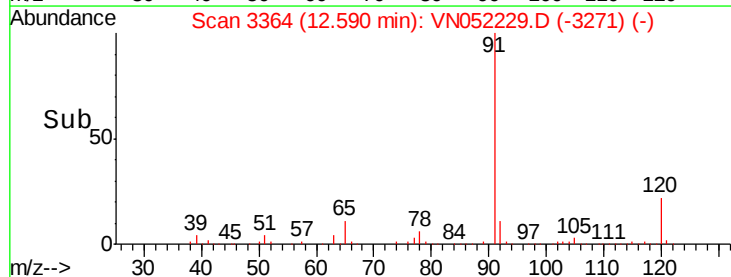
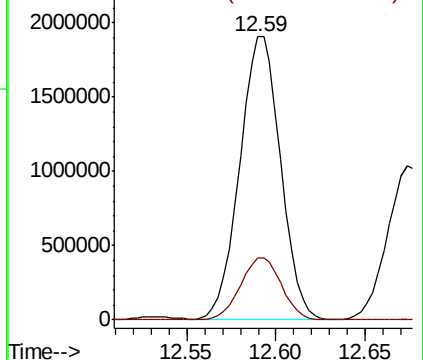
91 100

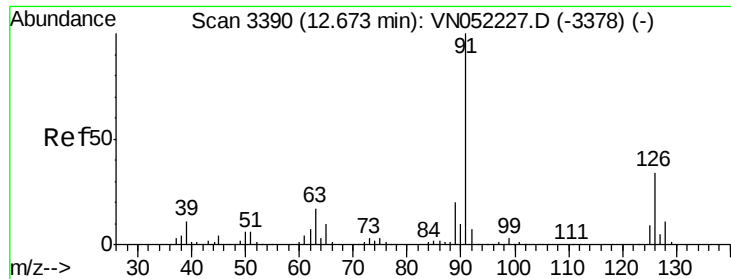
120 22.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

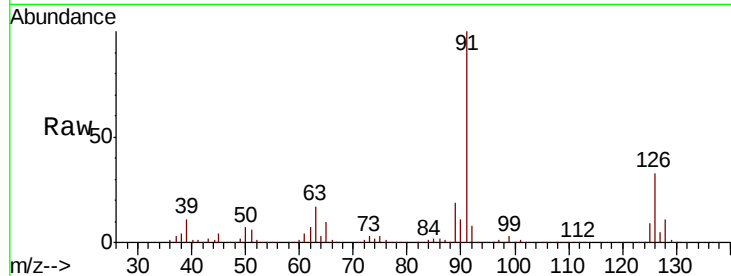




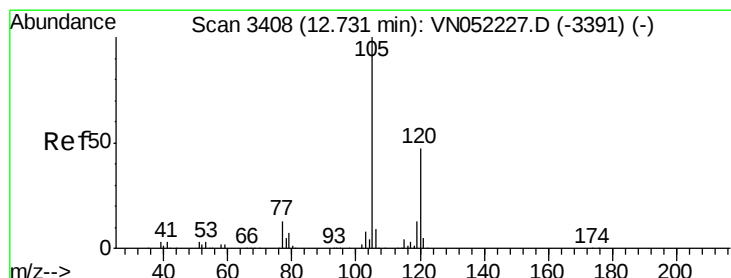
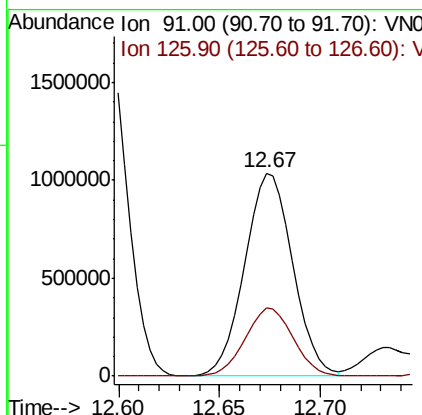
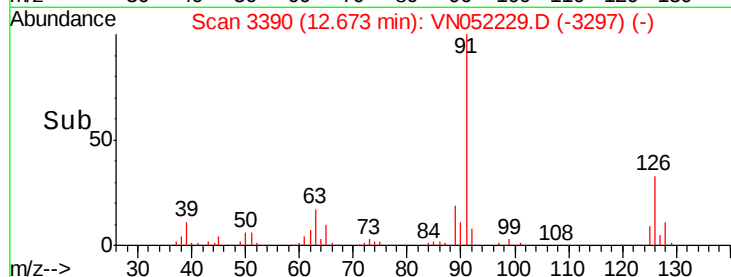
#79
 2-Chlorotoluene
 Concen: 144.055 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 91 Resp: 1725621
 Ion Ratio Lower Upper
 91 100
 126 33.5 17.0 51.0

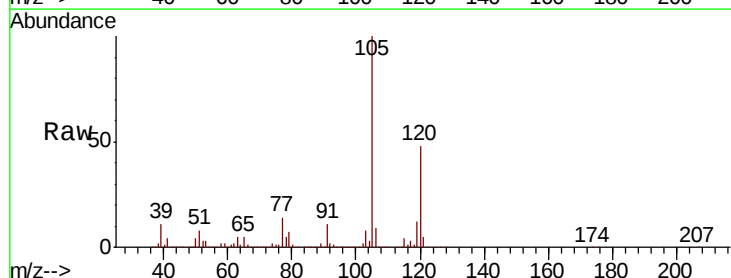


Abundance Ion 91.00 (90.70 to 91.70): VN052229.D (-3378) (-)
 Ion 125.90 (125.60 to 126.60): VN052229.D (-3378) (-)

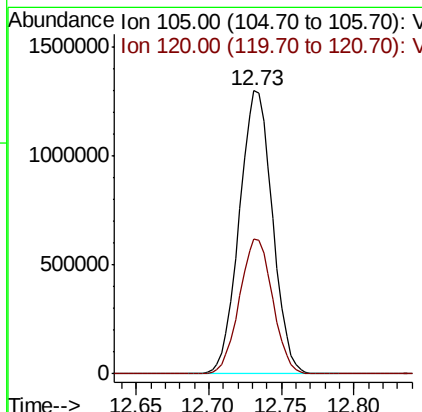
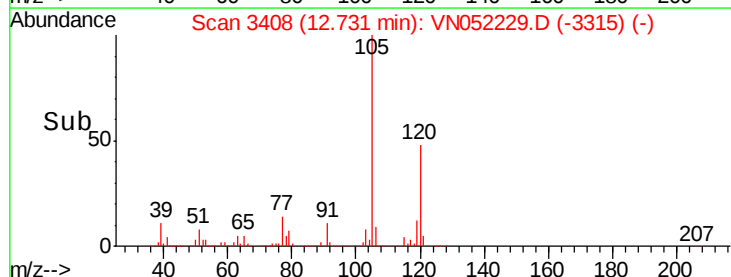


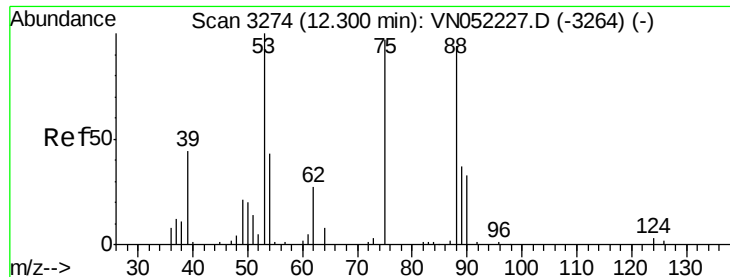
#80
 1,3,5-Trimethylbenzene
 Concen: 146.800 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion: 105 Resp: 2061152
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VN052229.D (-3391) (-)
 Ion 120.00 (119.70 to 120.70): VN052229.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 163.195 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

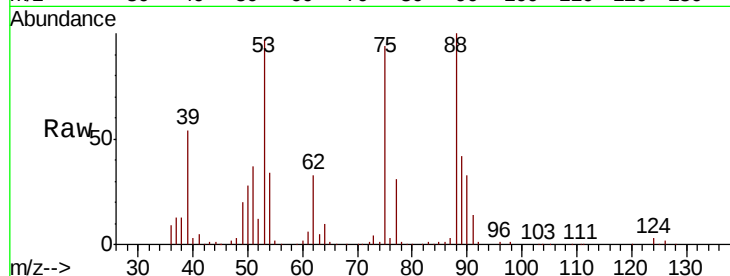
Tgt Ion: 75 Resp: 182686

Ion Ratio Lower Upper

75 100

53 105.9 84.0 126.0

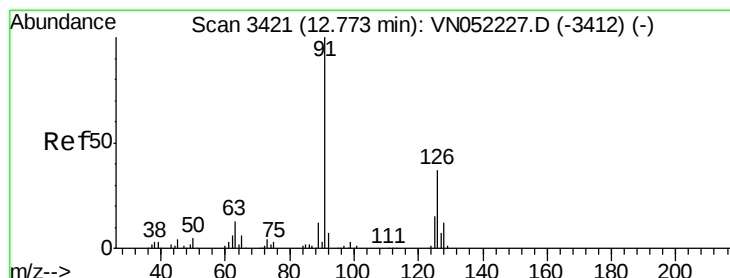
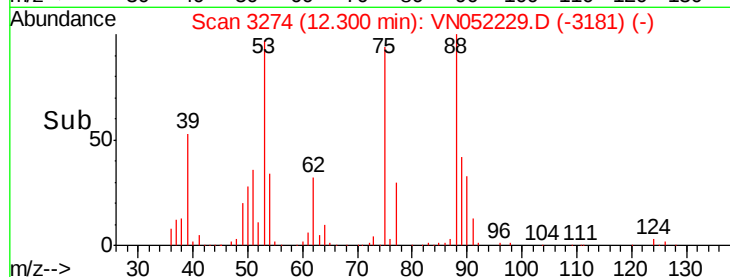
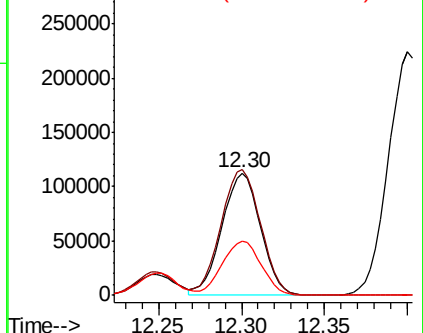
89 45.2 33.7 50.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 148.762 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052229.D

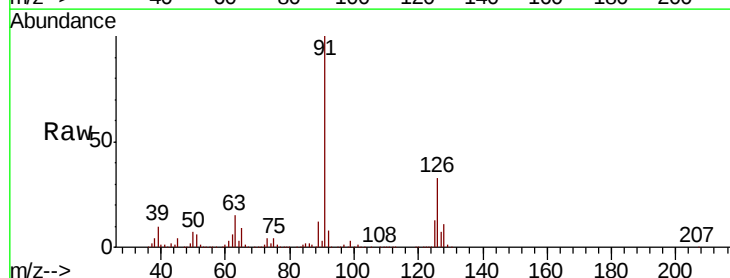
Acq: 9 Nov 2018 15:53

Tgt Ion: 91 Resp: 1788044

Ion Ratio Lower Upper

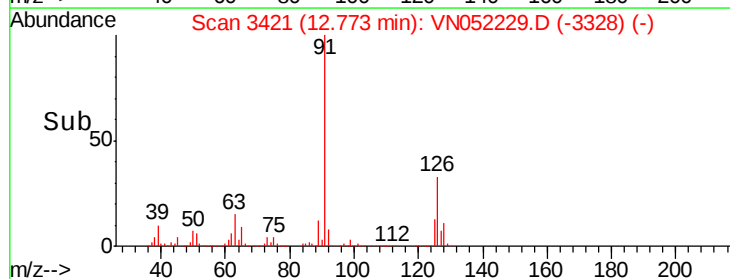
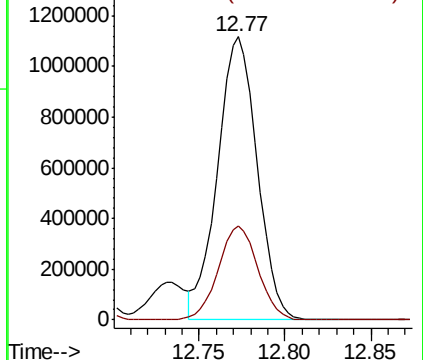
91 100

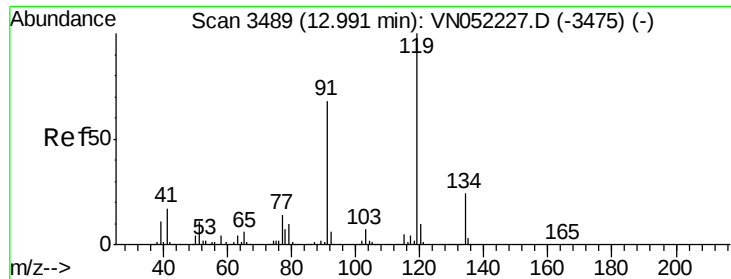
126 33.1 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

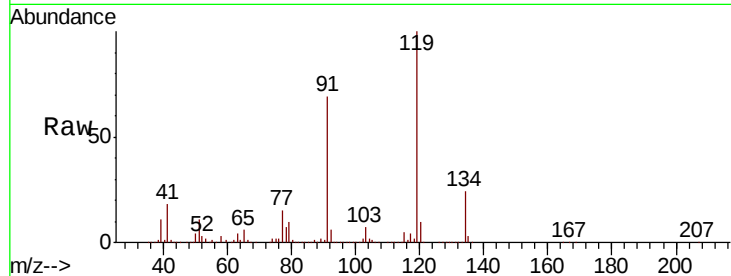




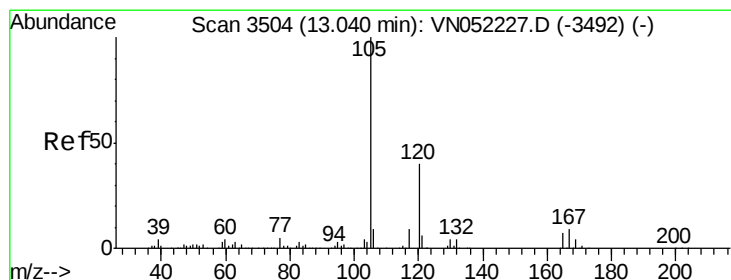
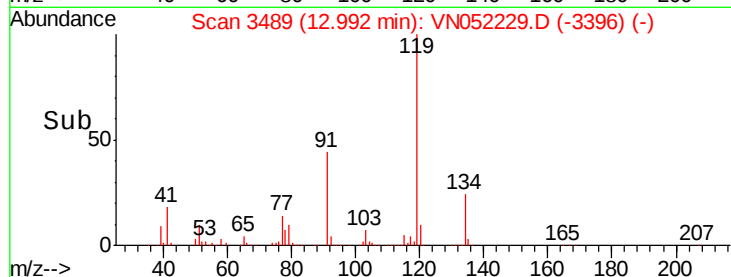
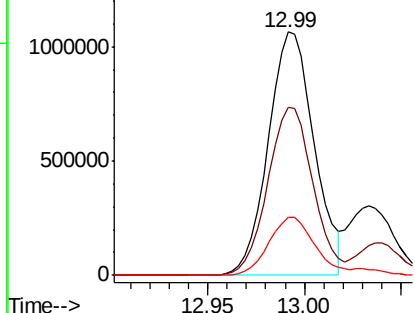
#83
 tert-Butylbenzene
 Concen: 143.637 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 1760698
 Ion Ratio Lower Upper
 119 100
 91 68.1 33.5 100.4
 134 23.9 13.0 38.9

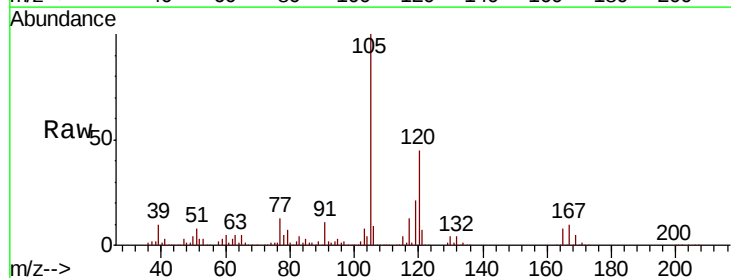


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

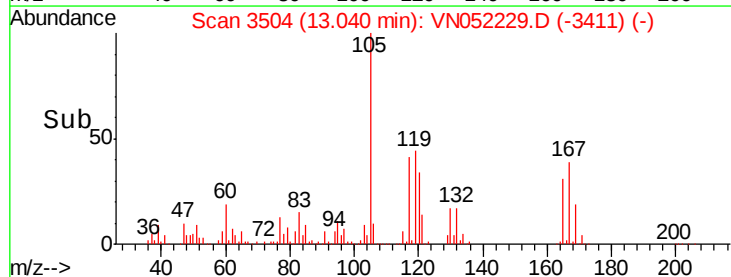
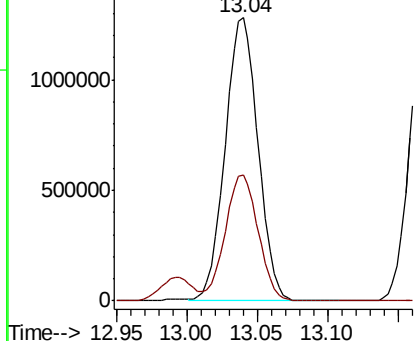


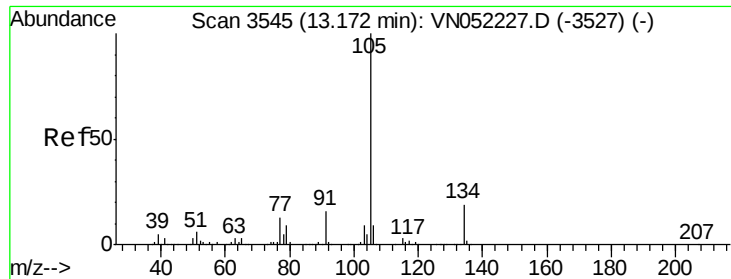
#84
 1,2,4-Trimethylbenzene
 Concen: 146.865 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion:105 Resp: 2079120
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

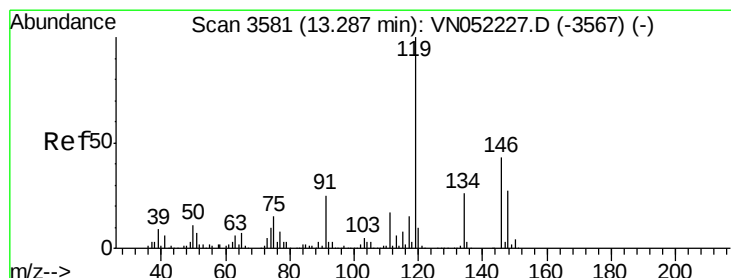
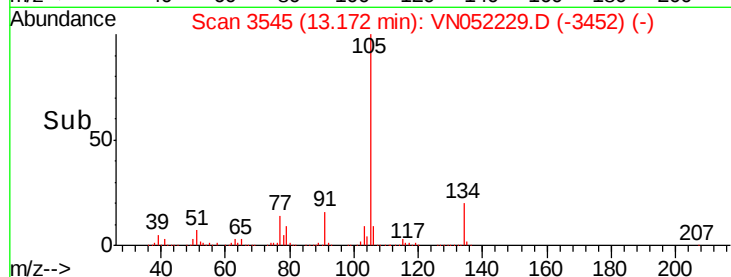
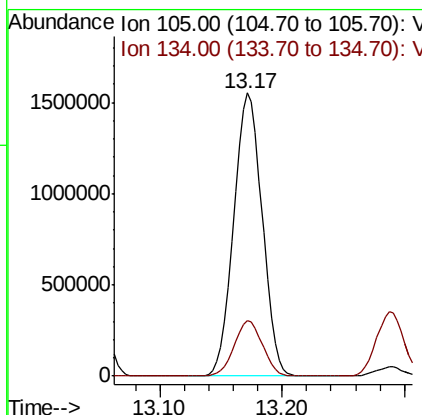
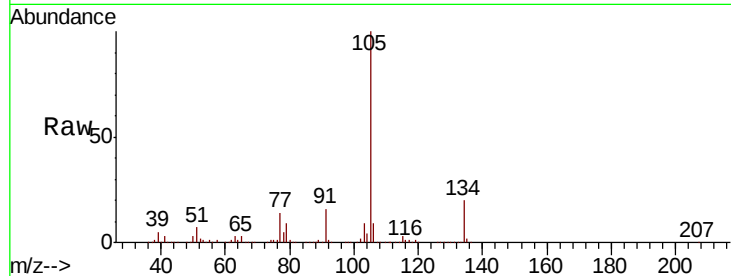




#85
 sec-Butylbenzene
 Concen: 149.090 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

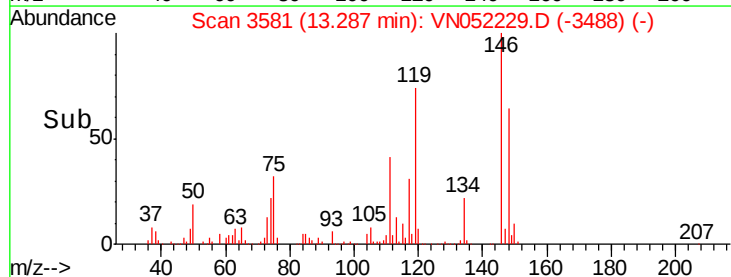
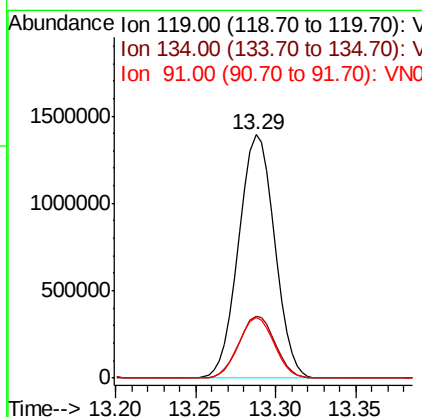
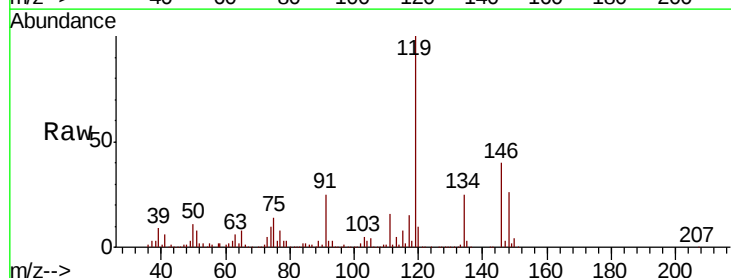
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

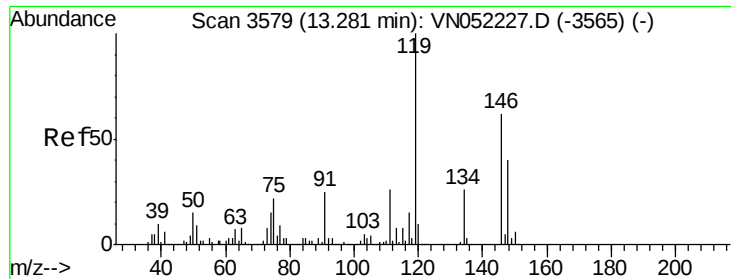
Tgt Ion:105 Resp: 2506210
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 151.211 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion:119 Resp: 2126502
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.2 39.6
 91 24.6 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 144.473 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

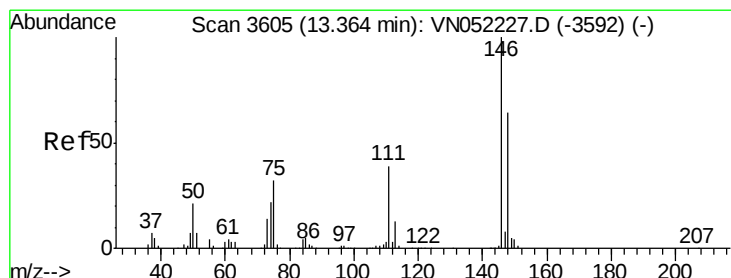
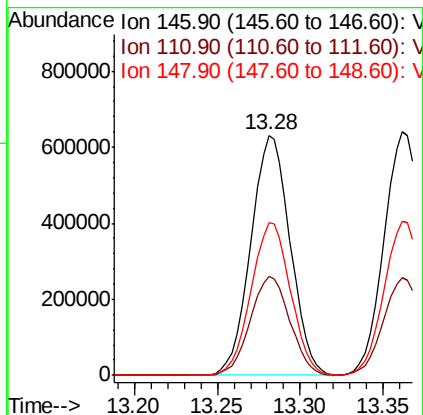
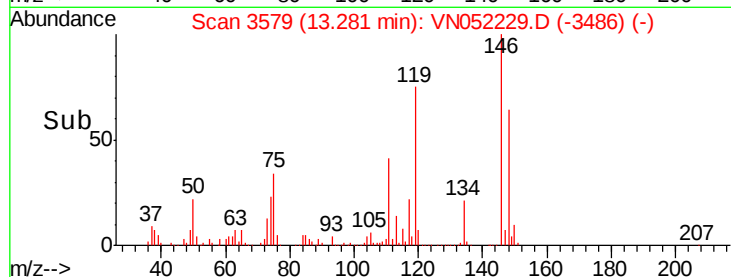
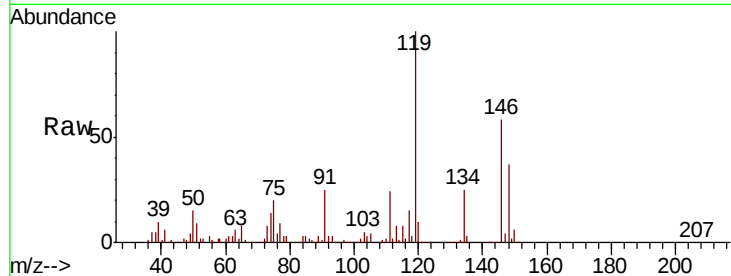
Tgt Ion:146 Resp: 1039367

Ion Ratio Lower Upper

146 100

111 41.3 20.1 60.3

148 63.8 31.6 94.7



#88

1,4-Dichlorobenzene

Concen: 144.596 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

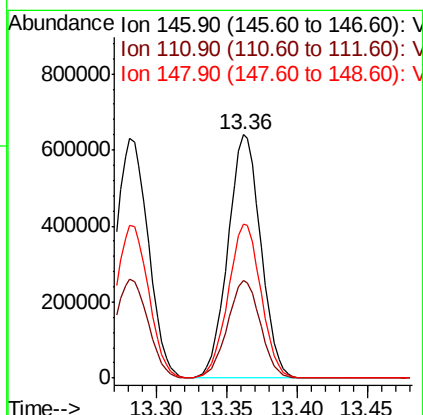
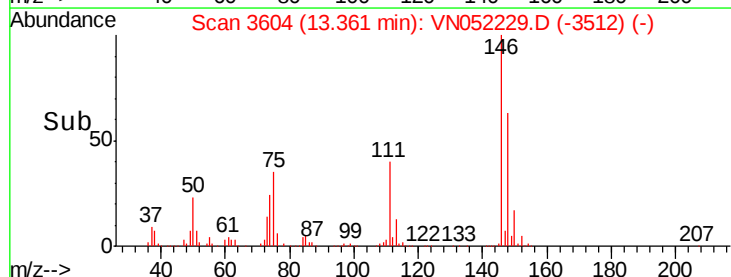
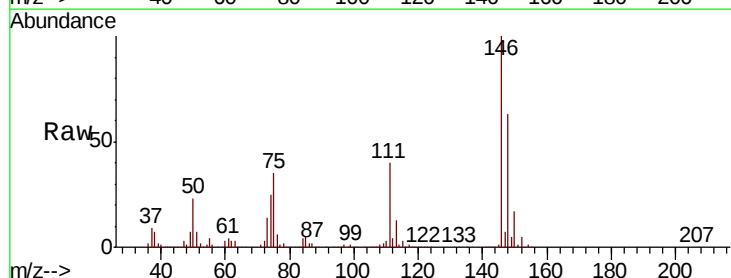
Tgt Ion:146 Resp: 1041410

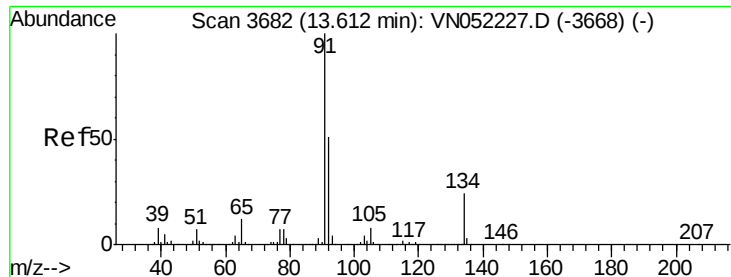
Ion Ratio Lower Upper

146 100

111 40.0 20.2 60.6

148 63.4 32.1 96.3





#89

n-Butylbenzene

Concen: 157.716 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

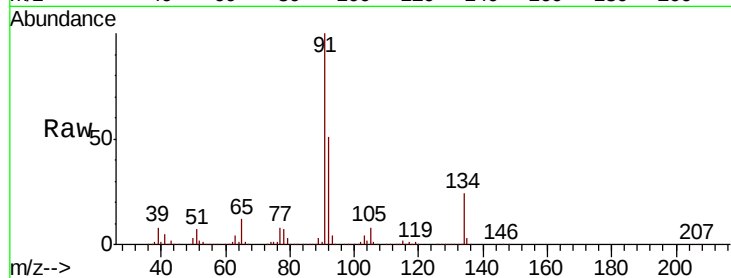
Tgt Ion: 91 Resp: 1974994

Ion Ratio Lower Upper

91 100

92 51.2 25.1 75.3

134 24.4 12.0 36.1

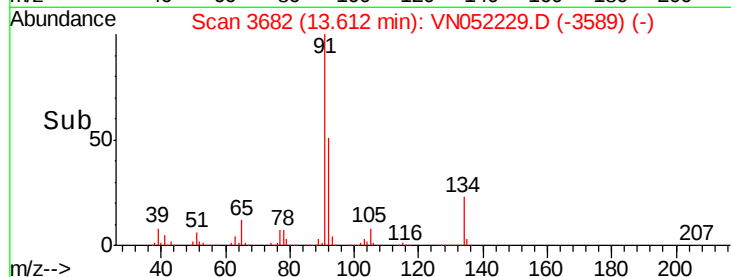


Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3668) (-)

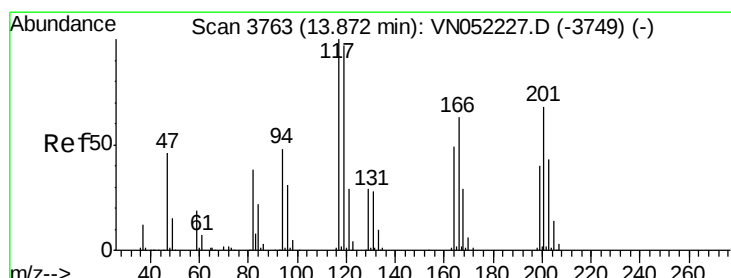
Ion 92.00 (91.70 to 92.70): VN052227.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052227.D (-3668) (-)

13.61



Time-->



#90

Hexachloroethane

Concen: 157.428 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN052229.D

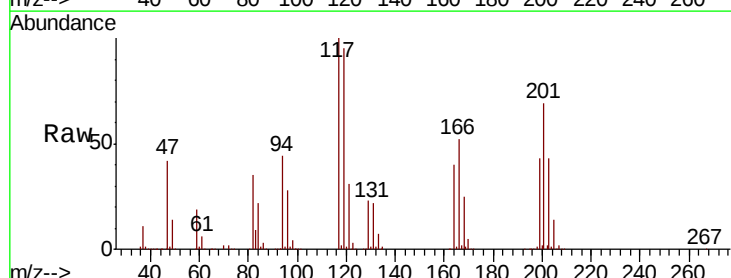
Acq: 9 Nov 2018 15:53

Tgt Ion: 117 Resp: 388586

Ion Ratio Lower Upper

117 100

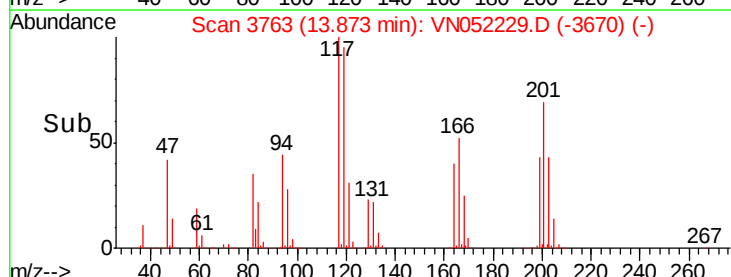
201 69.1 34.6 103.9



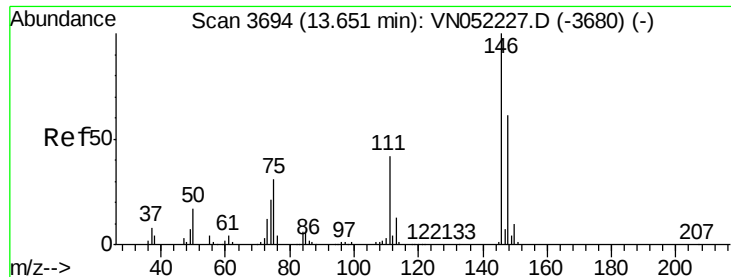
Abundance Ion 116.80 (116.50 to 117.50): VN052227.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052227.D (-3749) (-)

13.87



Time-->



#91

1,2-Dichlorobenzene

Concen: 139.443 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

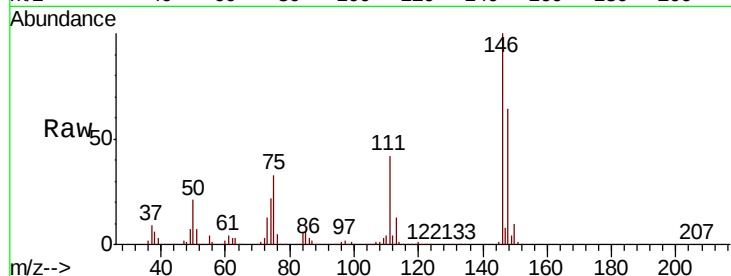
Tgt Ion:146 Resp: 979020

Ion Ratio Lower Upper

146 100

111 42.6 21.1 63.3

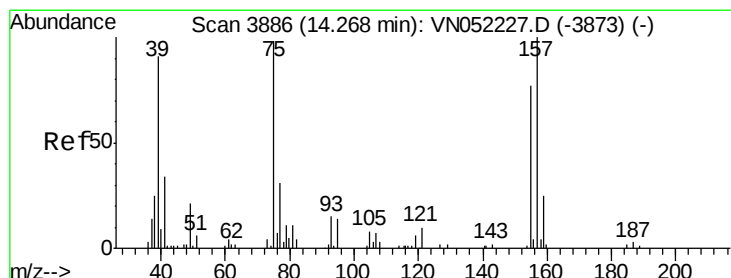
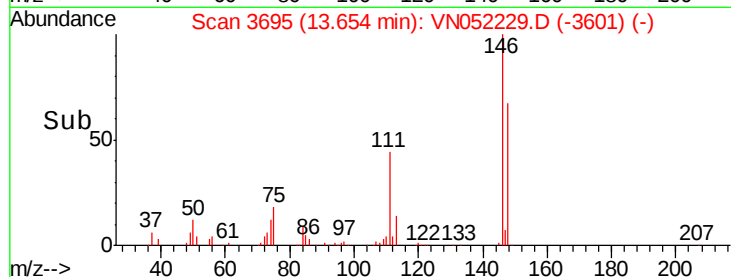
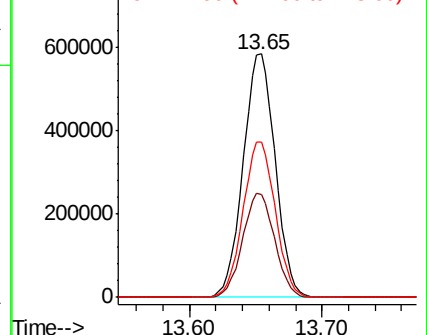
148 64.2 31.3 93.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 140.265 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

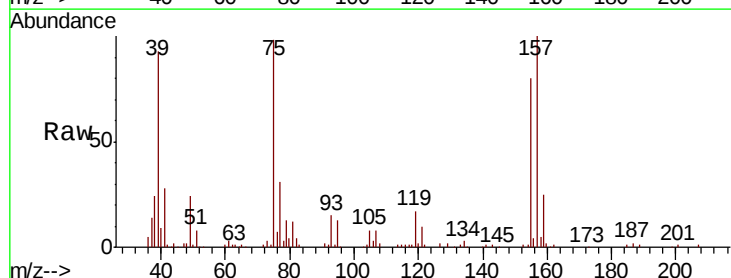
Tgt Ion: 75 Resp: 86308

Ion Ratio Lower Upper

75 100

155 81.7 40.2 120.5

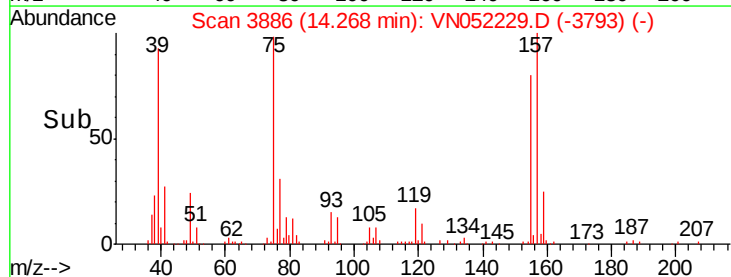
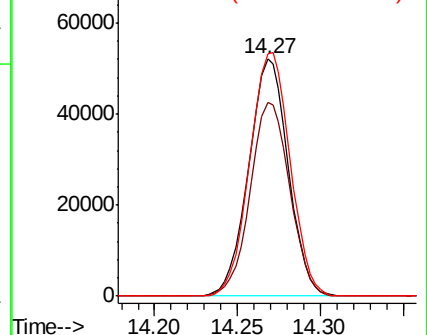
157 104.7 51.7 155.2

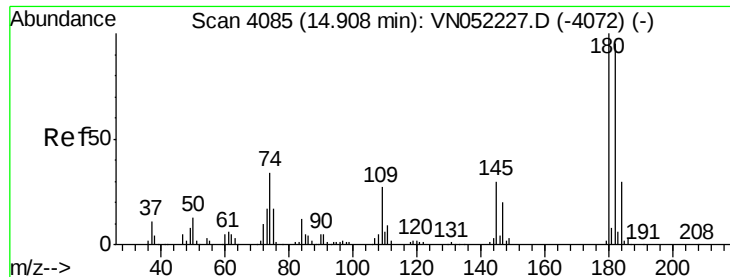


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

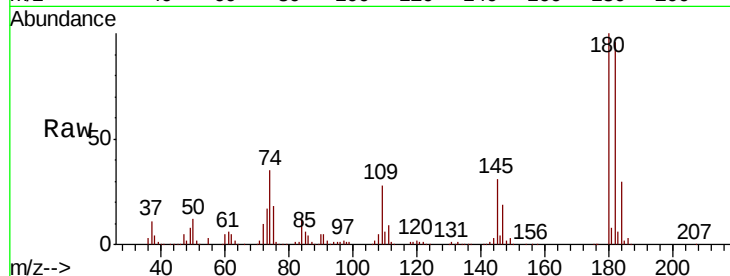




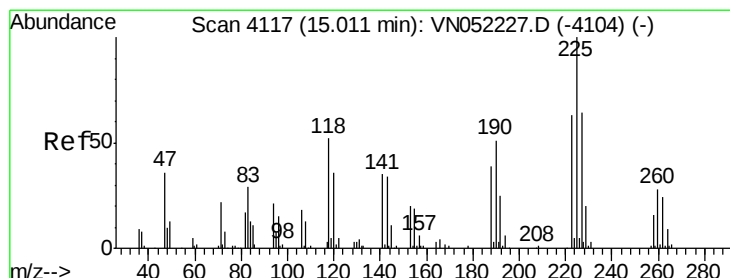
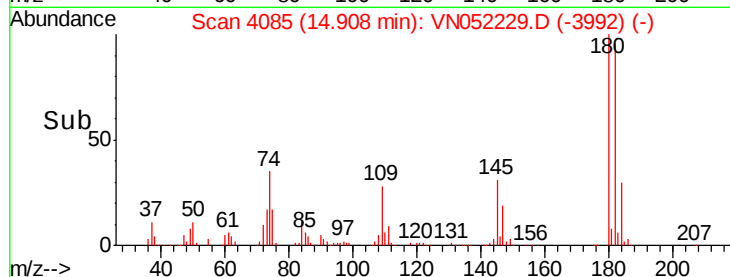
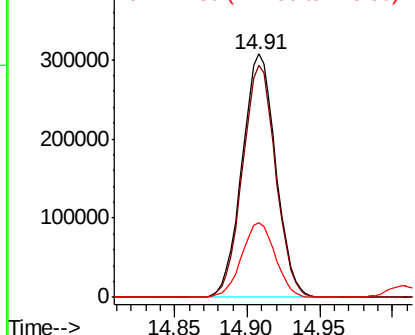
#93
 1,2,4-Trichlorobenzene
 Concen: 178.543 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 495689
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.3 142.0
 145 30.7 15.6 46.8

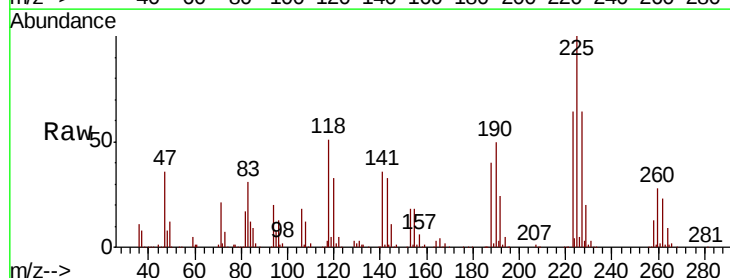


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

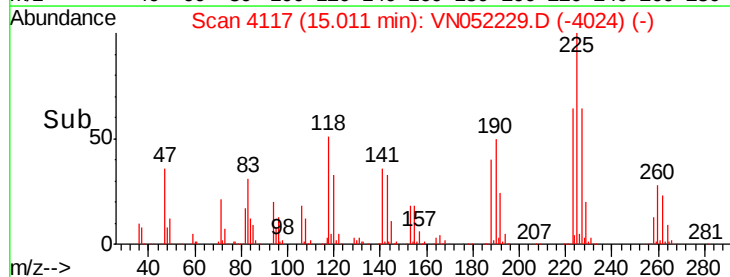
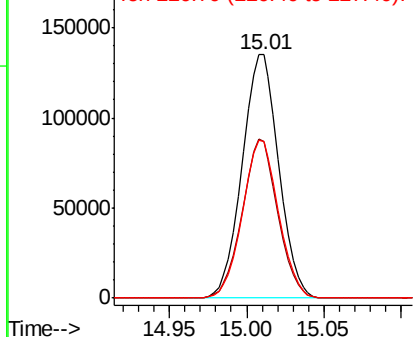


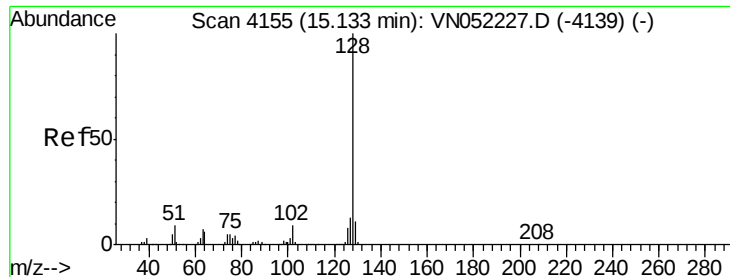
#94
 Hexachlorobutadiene
 Concen: 147.374 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion:225 Resp: 222331
 Ion Ratio Lower Upper
 225 100
 223 63.3 32.1 96.3
 227 63.8 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 167.865 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

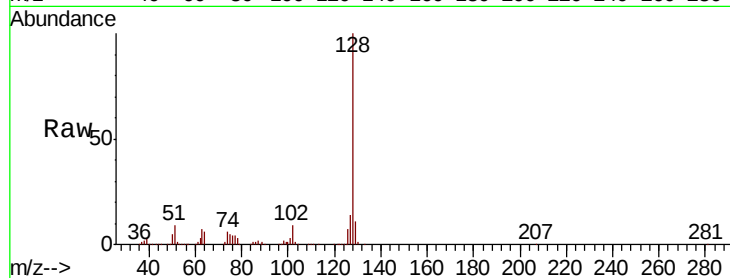
Tgt Ion:128 Resp: 1148616

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

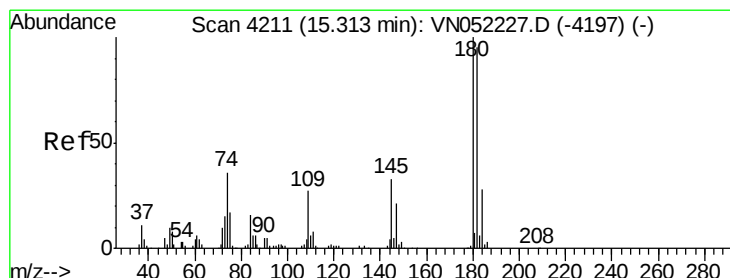
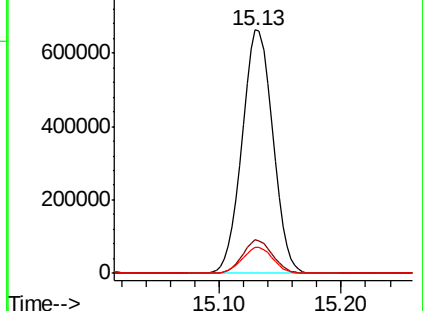
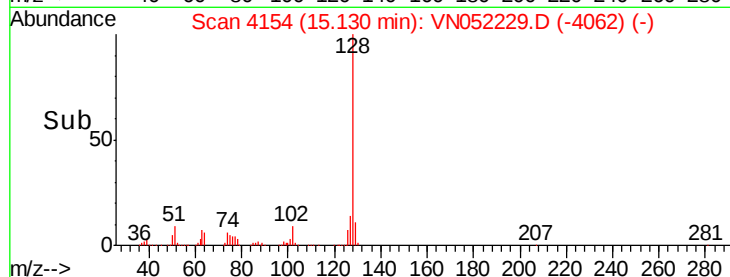
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 166.872 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

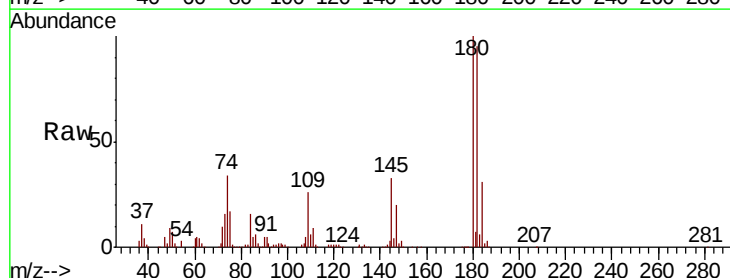
Tgt Ion:180 Resp: 438021

Ion Ratio Lower Upper

180 100

182 95.2 47.7 143.1

145 32.9 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

