

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110918\
 Data File : VN052226.D
 Acq On : 9 Nov 2018 14:33
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 11 23:48:01 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	276878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	474677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	423248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180416	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	78472	20.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.44%	
35) Dibromofluoromethane	7.59	113	62773	20.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.84%	
50) Toluene-d8	10.09	98	250184	20.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.58%	
62) 4-Bromofluorobenzene	12.40	95	76797	19.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	60035	19.944	ug/l	97
3) Chloromethane	2.06	50	80926	19.256	ug/l	99
4) Vinyl Chloride	2.19	62	69068	19.726	ug/l	98
5) Bromomethane	2.57	94	41447	18.657	ug/l	94
6) Chloroethane	2.71	64	39175	18.841	ug/l	91
7) Trichlorofluoromethane	3.02	101	93026	19.085	ug/l	98
8) Diethyl Ether	3.41	74	35488	18.507	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	59579	18.980	ug/l	99
10) Methyl Iodide	3.95	142	77306	19.053	ug/l	98
11) Tert butyl alcohol	4.77	59	8998	47.582	ug/l	98
12) 1,1-Dichloroethene	3.74	96	53812	18.590	ug/l	97
13) Acrolein	3.61	56	28211	107.883	ug/l	95
14) Allyl chloride	4.33	41	108188	17.852	ug/l	94
15) Acrylonitrile	4.99	53	117444	98.447	ug/l	98
16) Acetone	3.82	43	97526	83.953	ug/l	98
17) Carbon Disulfide	4.06	76	155989	18.577	ug/l	100
18) Methyl Acetate	4.33	43	57006	19.097	ug/l	# 80
19) Methyl tert-butyl Ether	5.05	73	160975	19.465	ug/l	98
20) Methylene Chloride	4.55	84	65016	20.275	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	60254	19.153	ug/l	92
22) Diisopropyl ether	5.95	45	234341	19.195	ug/l	97
23) Vinyl Acetate	5.90	43	816727	97.974	ug/l	100
24) 1,1-Dichloroethane	5.85	63	121690	18.965	ug/l	99
25) 2-Butanone	6.83	43	151009	93.486	ug/l	99
26) 2,2-Dichloropropane	6.83	77	86467	18.450	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	68116	19.343	ug/l	98
28) Bromochloromethane	7.19	49	62269	19.639	ug/l	99
29) Tetrahydrofuran	7.21	42	101696	97.953	ug/l	99
30) Chloroform	7.37	83	115123	18.957	ug/l	99
31) Cyclohexane	7.65	56	120759	16.214	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	95561	19.306	ug/l	99
36) 1,1-Dichloropropene	7.80	75	90165	18.819	ug/l	99
37) Ethyl Acetate	6.93	43	69037	19.529	ug/l	97
38) Carbon Tetrachloride	7.78	117	82481	18.997	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	104149	19.058	ug/l	97
40) Benzene	8.04	78	262720	19.152	ug/l	100
41) Methacrylonitrile	7.21	41	99958	53.601	ug/l #	23
42) 1,2-Dichloroethane	8.12	62	87692	18.220	ug/l	99
43) Isopropyl Acetate	8.17	43	120703	19.217	ug/l	99
44) Trichloroethene	8.84	130	63246	18.399	ug/l	96
45) 1,2-Dichloropropane	9.12	63	73481	19.174	ug/l	100
46) Dibromomethane	9.21	93	42863	19.472	ug/l	98
47) Bromodichloromethane	9.40	83	85885	18.831	ug/l	98
48) Methyl methacrylate	9.20	41	61710	18.646	ug/l	99
49) 1,4-Dioxane	9.20	88	10424	391.809	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	339925	97.995	ug/l	100
52) Toluene	10.16	92	157891	19.081	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	83317	18.512	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	99378	18.705	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	57278	19.151	ug/l	98
56) Ethyl methacrylate	10.43	69	77038	19.058	ug/l	99
57) 1,3-Dichloropropane	10.71	76	102579	19.159	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	222616	99.460	ug/l	98
59) 2-Hexanone	10.75	43	235872	96.863	ug/l	99
60) Dibromochloromethane	10.90	129	58585	19.311	ug/l	98
61) 1,2-Dibromoethane	11.00	107	56490	19.218	ug/l	99
64) Tetrachloroethene	10.63	164	56508	19.069	ug/l	98
65) Chlorobenzene	11.43	112	171384	19.110	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	58824	19.364	ug/l	98
67) Ethyl Benzene	11.51	91	301474	19.111	ug/l	98
68) m/p-Xylenes	11.62	106	224524	38.219	ug/l	99
69) o-Xylene	11.95	106	108413	19.316	ug/l	98
70) Styrene	11.96	104	177973	19.627	ug/l	98
71) Bromoform	12.13	173	35066	19.349	ug/l #	96
73) Isopropylbenzene	12.25	105	289198	19.609	ug/l	99
74) N-amyl acetate	12.07	43	104240	19.469	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	72165	19.959	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	88674	30.636	ug/l #	100
77) Bromobenzene	12.53	156	67433	19.533	ug/l	99
78) n-propylbenzene	12.59	91	337396	19.533	ug/l	99
79) 2-Chlorotoluene	12.67	91	194297	19.417	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	229984	19.608	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	17602	18.823	ug/l	89
82) 4-Chlorotoluene	12.77	91	194284	19.350	ug/l	99
83) tert-Butylbenzene	12.99	119	198528	19.388	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	230903	19.525	ug/l	99
85) sec-Butylbenzene	13.17	105	275579	19.625	ug/l	100
86) p-Isopropyltoluene	13.29	119	231693	19.722	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	116477	19.381	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	115910	19.265	ug/l	99
89) n-Butylbenzene	13.61	91	198321	18.958	ug/l	98
90) Hexachloroethane	13.87	117	38698	18.768	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	114290	19.487	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10117	19.682	ug/l	96

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Quant Title : SW846 8260
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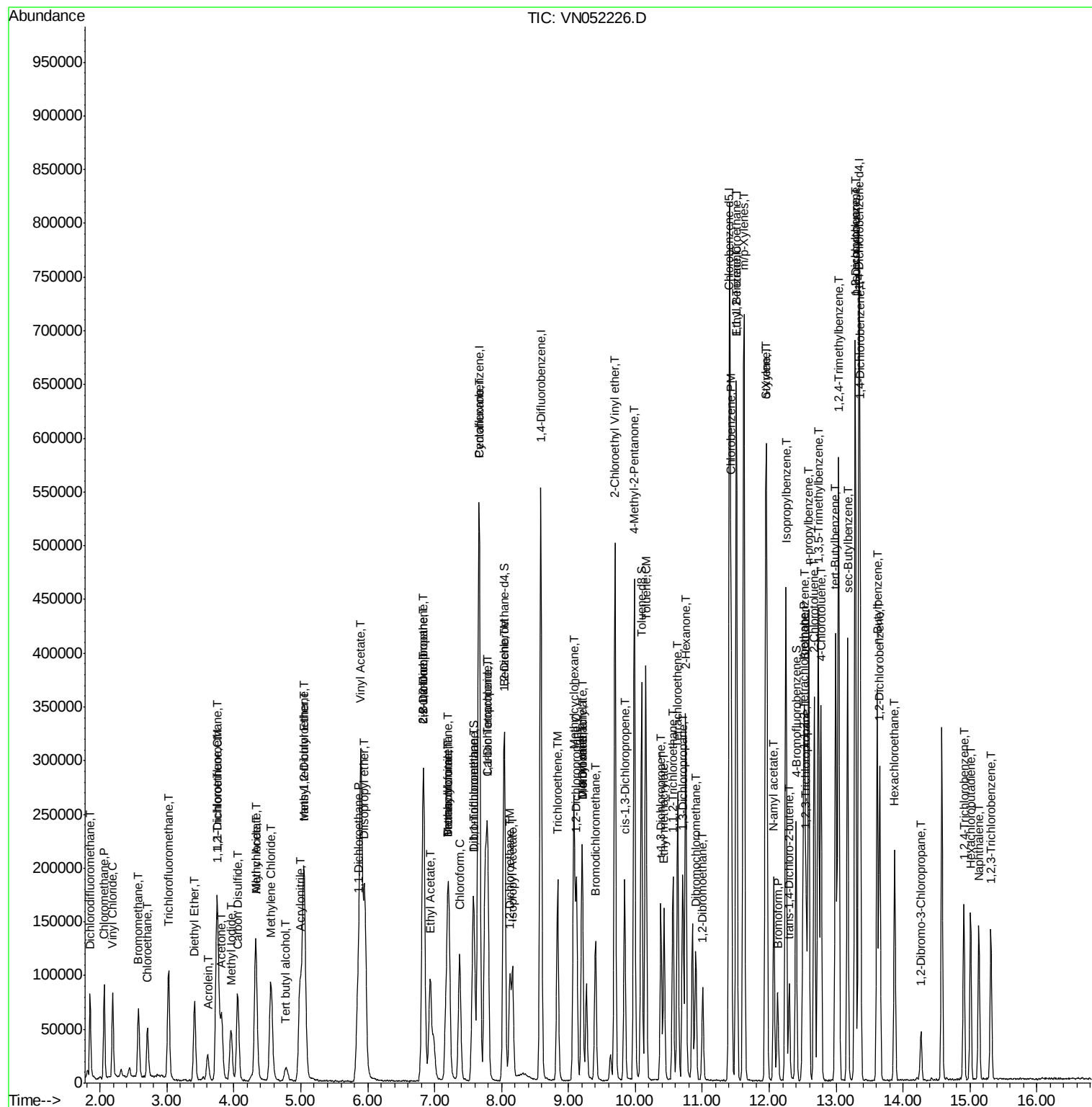
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47568	20.510	ug/l	98
94) Hexachlorobutadiene	15.01	225	24860	19.726	ug/l	99
95) Naphthalene	15.13	128	115750	20.250	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	43308	19.751	ug/l	99

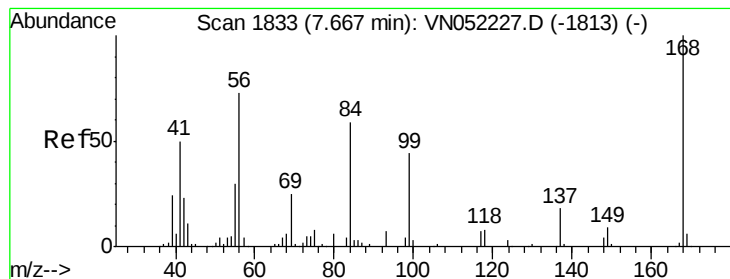
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN110918\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

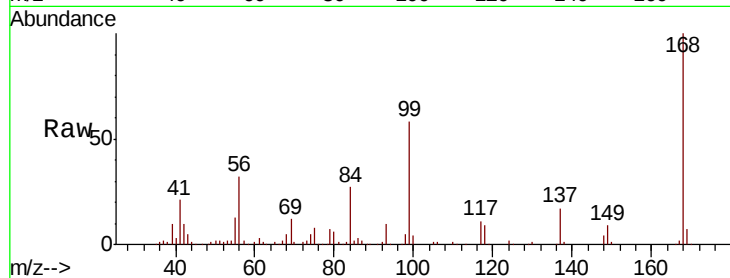
VSTDIC020

Tgt Ion:168 Resp: 276878

Ion Ratio Lower Upper

168 100

99 57.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN052227.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN052227.D (-1813) (-)

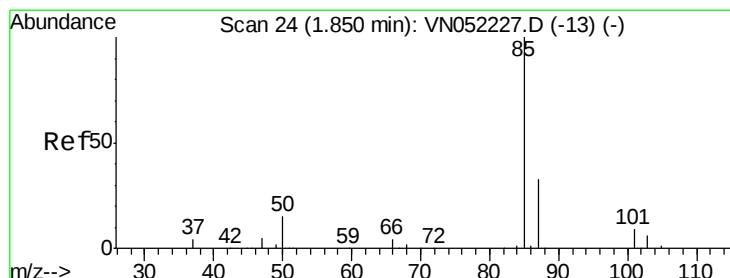
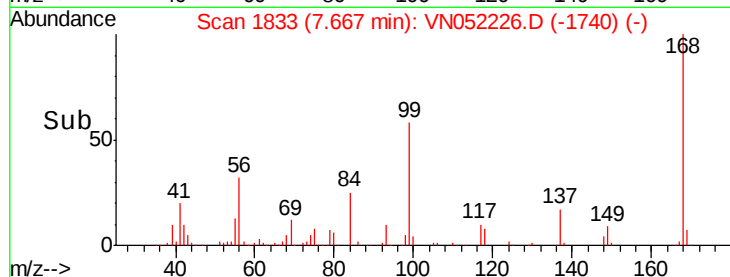
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.944 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052226.D

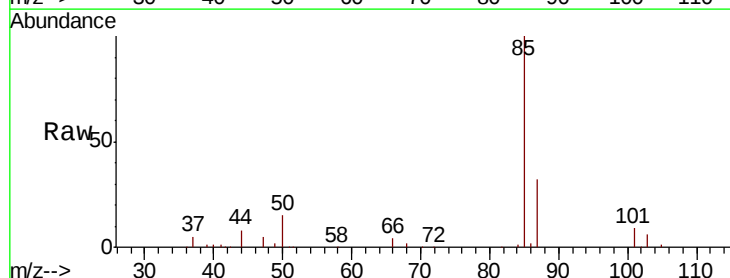
Acq: 9 Nov 2018 14:33

Tgt Ion: 85 Resp: 60035

Ion Ratio Lower Upper

85 100

87 31.7 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VN052227.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN052227.D (-13) (-)

1.85

50000

40000

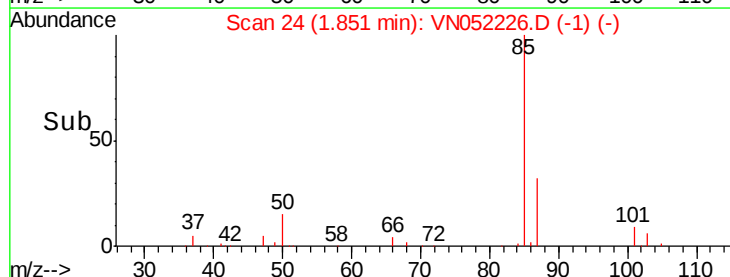
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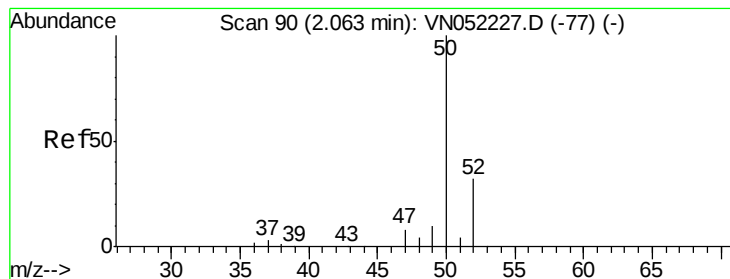
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.256 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

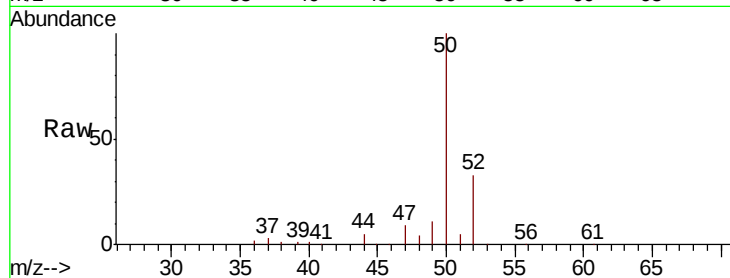
VSTDIC020

Tgt Ion: 50 Resp: 80926

Ion Ratio Lower Upper

50 100

52 32.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN052226.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN052226.D (-1) (-)

2.06

50000

40000

30000

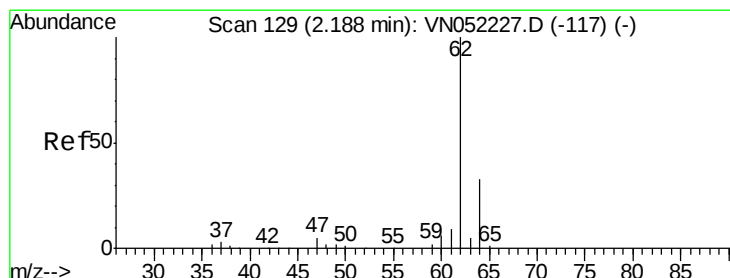
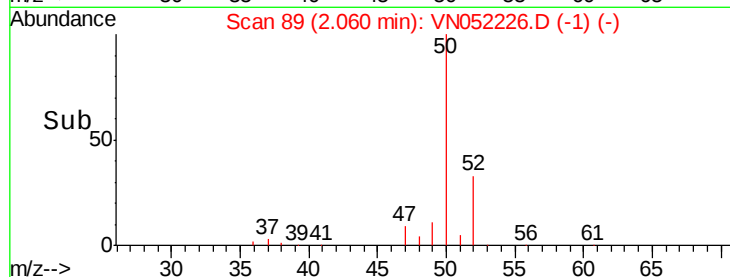
20000

10000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 19.726 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052226.D

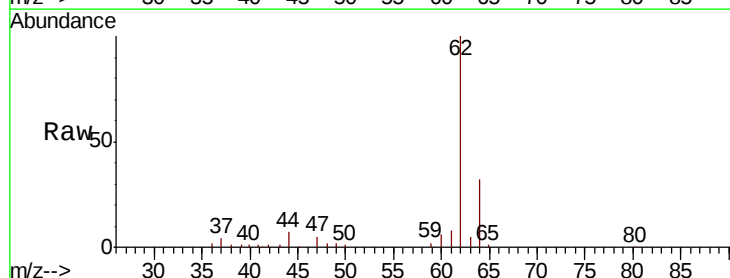
Acq: 9 Nov 2018 14:33

Tgt Ion: 62 Resp: 69068

Ion Ratio Lower Upper

62 100

64 31.7 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VN052226.D (-36) (-)

Ion 63.90 (63.60 to 64.60): VN052226.D (-36) (-)

2.19

50000

40000

30000

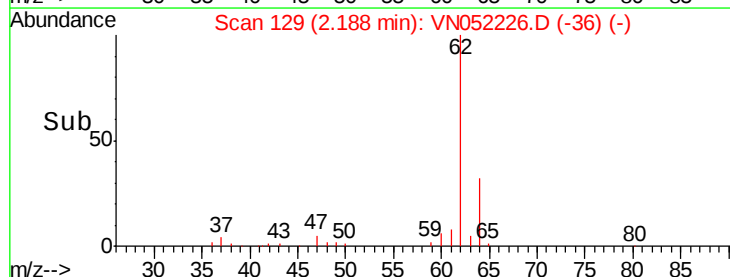
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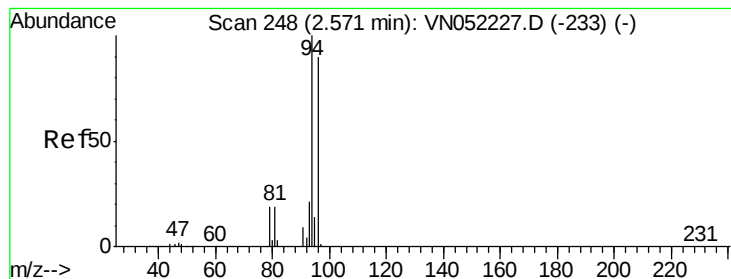
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Time-->

2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 18.657 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

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ClientSampleId :

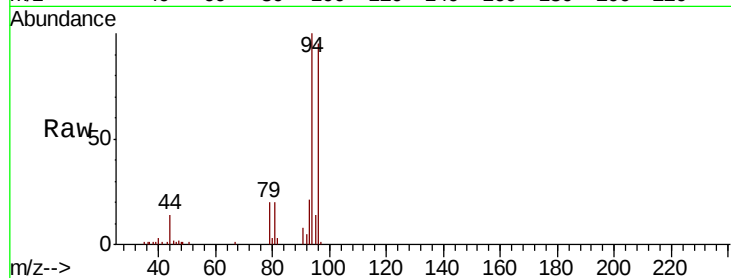
VSTDIC020

Tgt Ion: 94 Resp: 41447

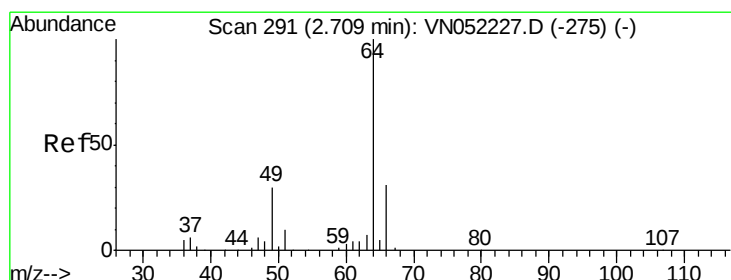
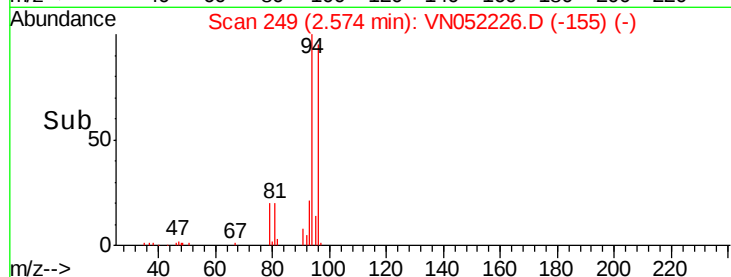
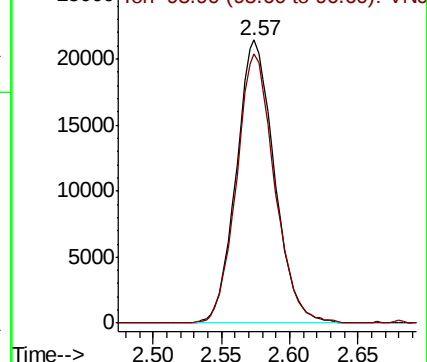
Ion Ratio Lower Upper

94 100

96 95.3 71.8 107.8



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.841 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052226.D

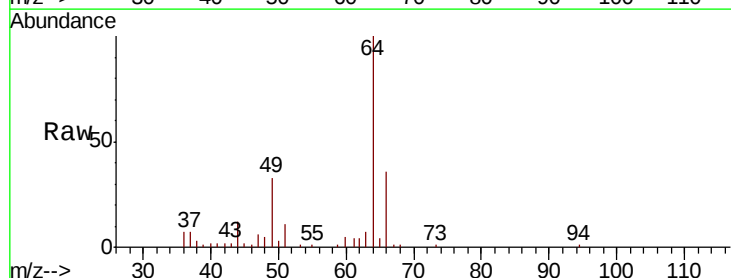
Acq: 9 Nov 2018 14:33

Tgt Ion: 64 Resp: 39175

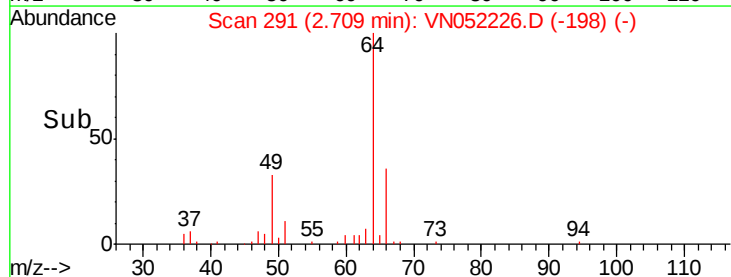
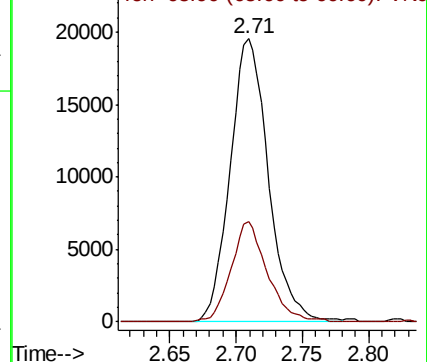
Ion Ratio Lower Upper

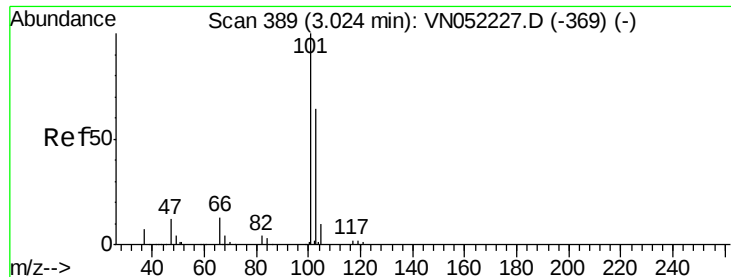
64 100

66 35.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



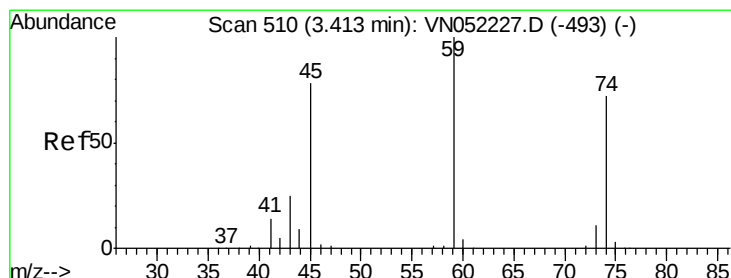
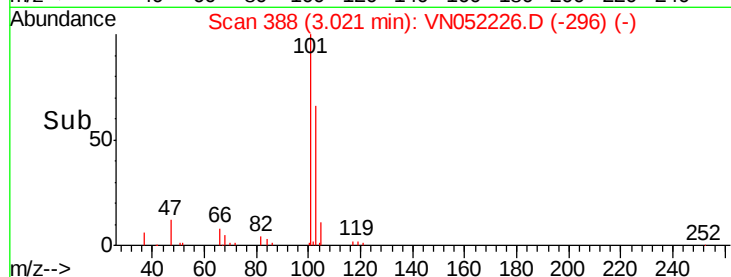
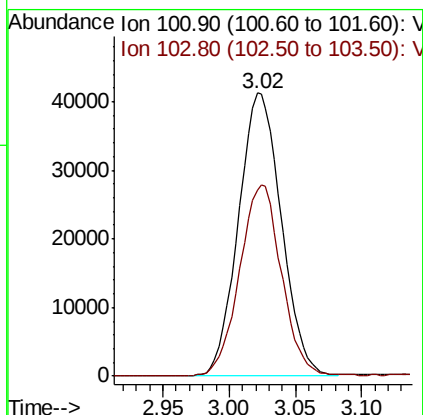
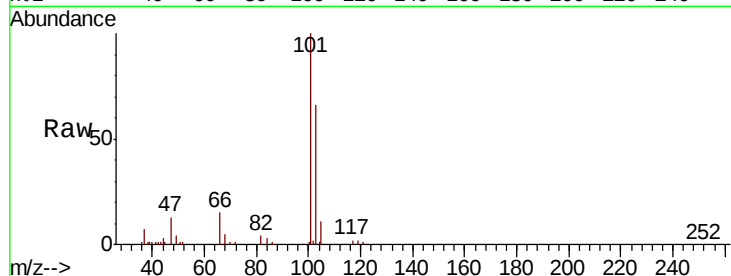


#7

Trichlorofluoromethane
 Concen: 19.085 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
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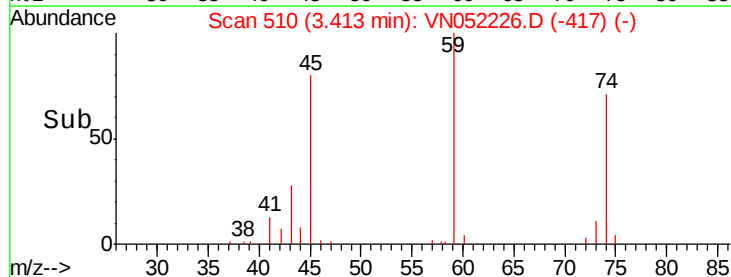
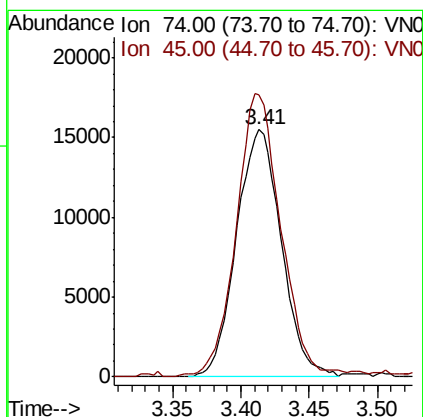
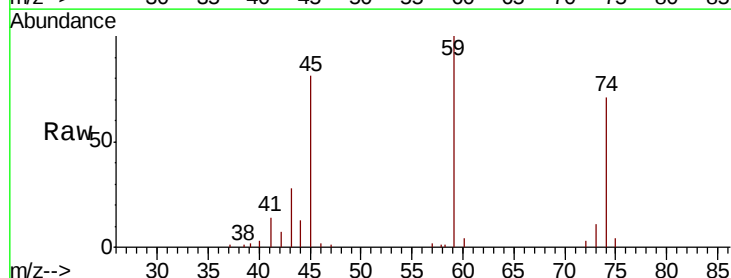
Tgt Ion:101 Resp: 93026
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.2 76.8

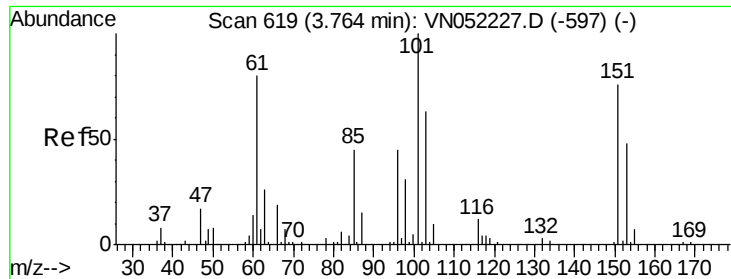


#8

Diethyl Ether
 Concen: 18.507 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion: 74 Resp: 35488
 Ion Ratio Lower Upper
 74 100
 45 112.8 55.5 166.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.980 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

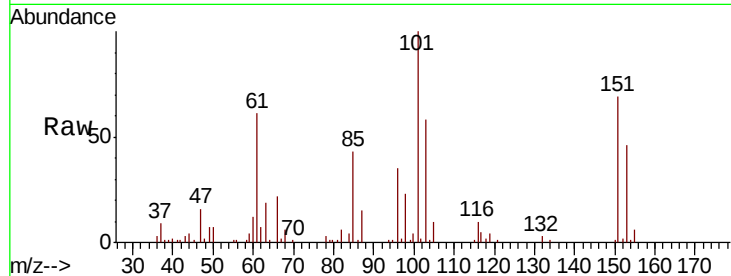
Tgt Ion:101 Resp: 59579

Ion Ratio Lower Upper

101 100

85 45.3 36.2 54.4

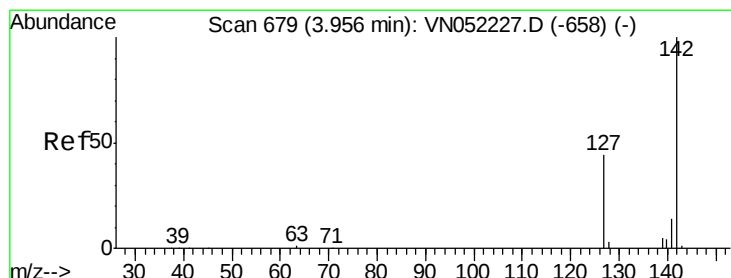
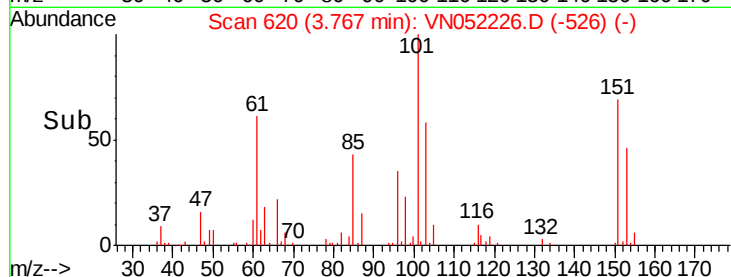
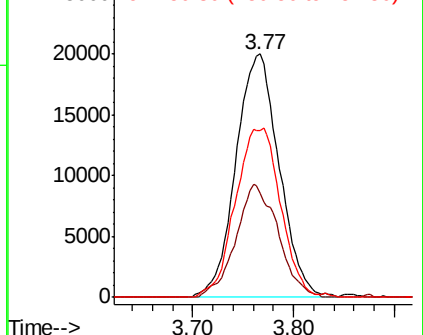
151 72.4 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.053 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

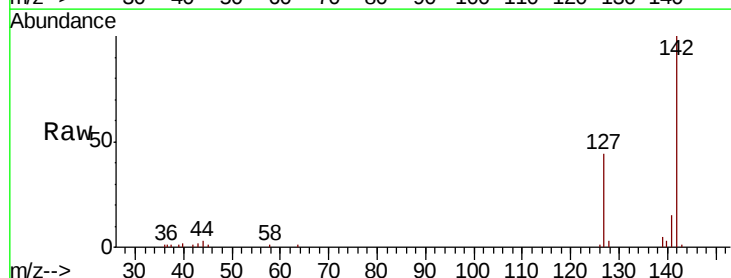
Tgt Ion:142 Resp: 77306

Ion Ratio Lower Upper

142 100

127 42.8 35.3 52.9

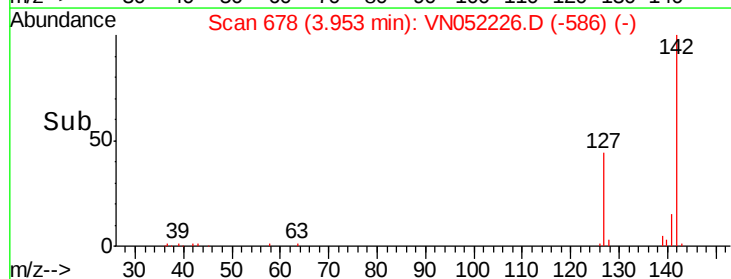
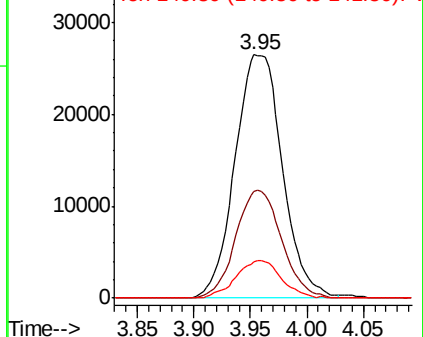
141 14.7 11.8 17.6

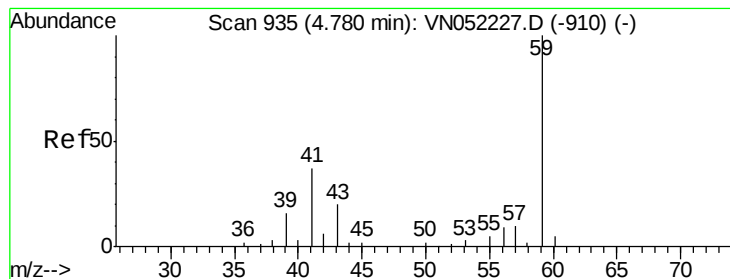


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



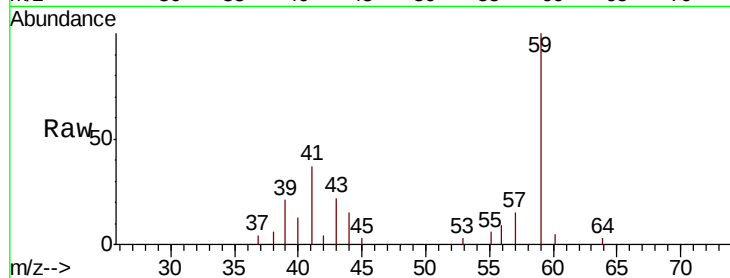


#11

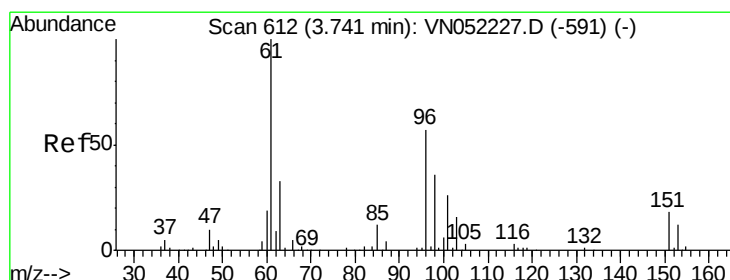
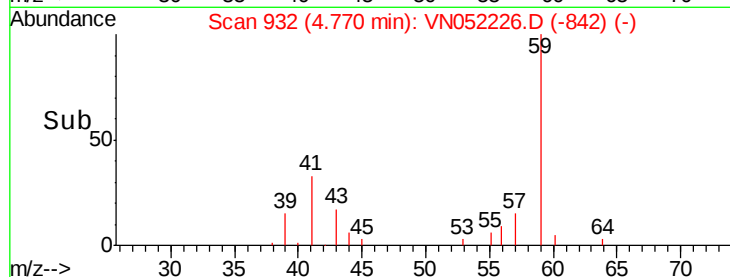
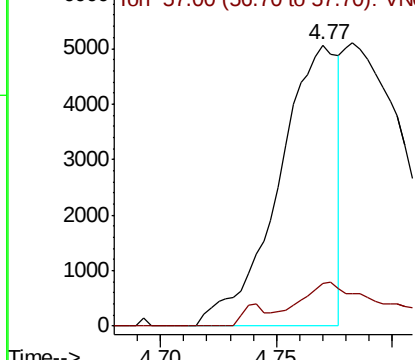
Tert butyl alcohol
 Concen: 47.582 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 59 Resp: 8998
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.8 13.2



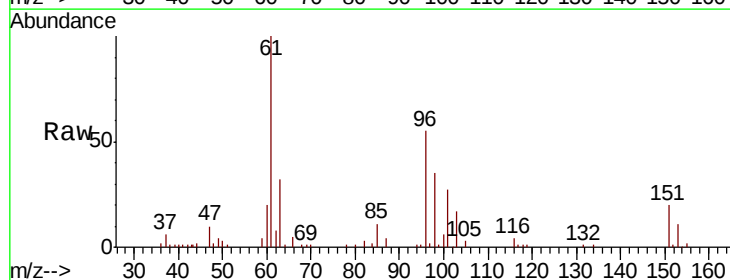
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



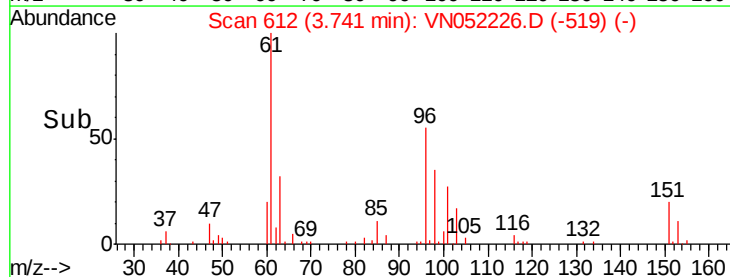
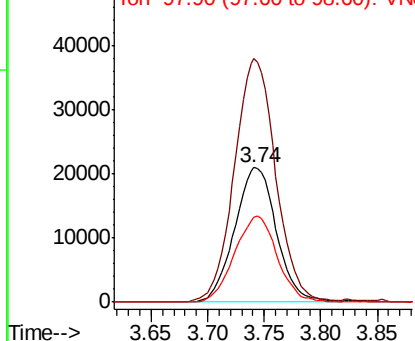
#12

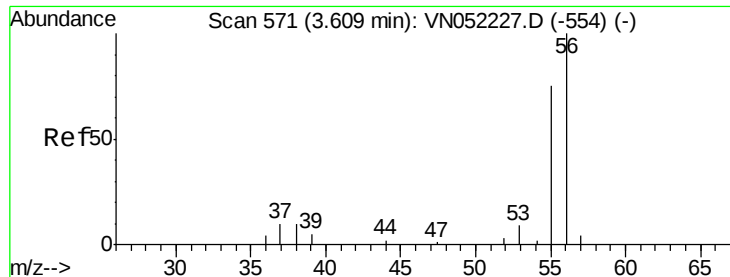
1,1-Dichloroethene
 Concen: 18.590 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion: 96 Resp: 53812
 Ion Ratio Lower Upper
 96 100
 61 181.0 141.1 211.7
 98 63.4 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 107.883 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

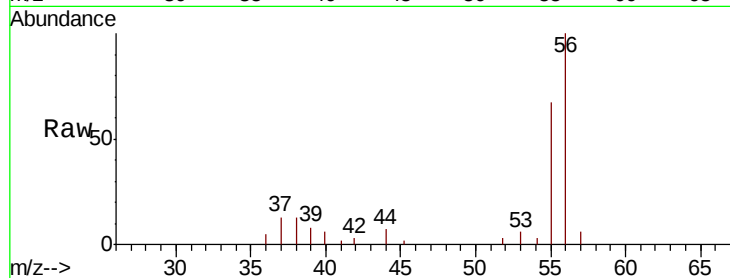
VSTDIC020

Tgt Ion: 56 Resp: 28211

Ion Ratio Lower Upper

56 100

55 70.9 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN052227.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN052227.D (-554) (-)

12000

10000

8000

6000

4000

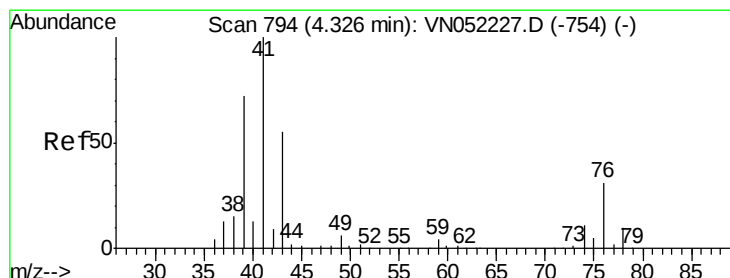
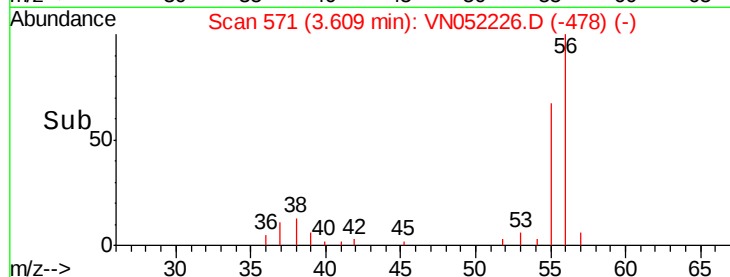
2000

0

Time-->

3.50 3.55 3.60 3.65 3.70

3.61



#14

Allyl chloride

Concen: 17.852 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

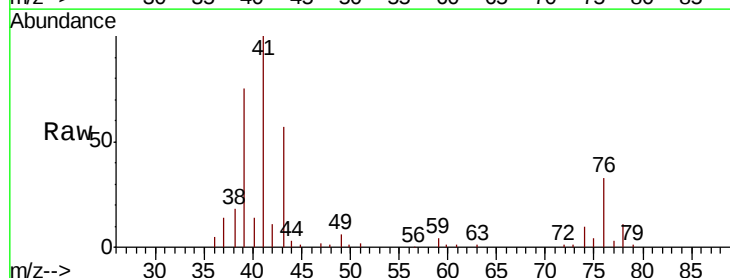
Tgt Ion: 41 Resp: 108188

Ion Ratio Lower Upper

41 100

39 74.4 55.1 82.7

76 31.9 23.6 35.4



Abundance Ion 41.00 (40.70 to 41.70): VN052227.D (-754) (-)

Ion 39.00 (38.70 to 39.70): VN052227.D (-754) (-)

Ion 75.90 (75.60 to 76.60): VN052227.D (-754) (-)

40000

30000

20000

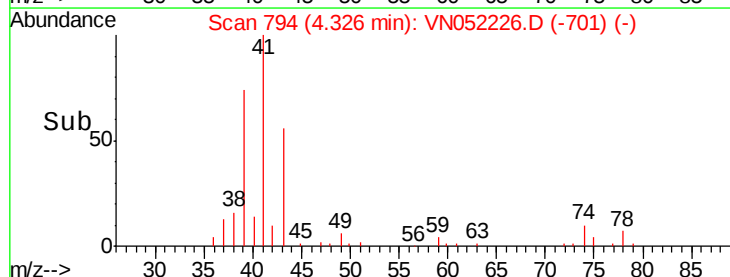
10000

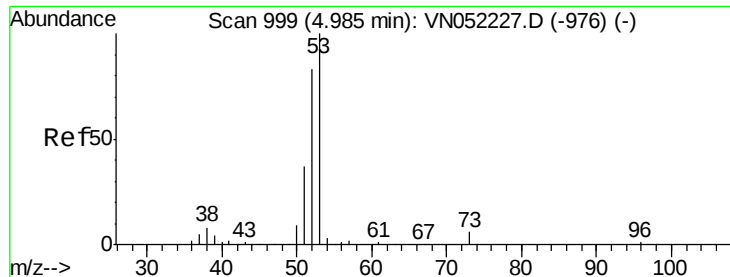
0

Time-->

4.20 4.30 4.40

4.33





#15

Acrylonitrile

Concen: 98.447 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

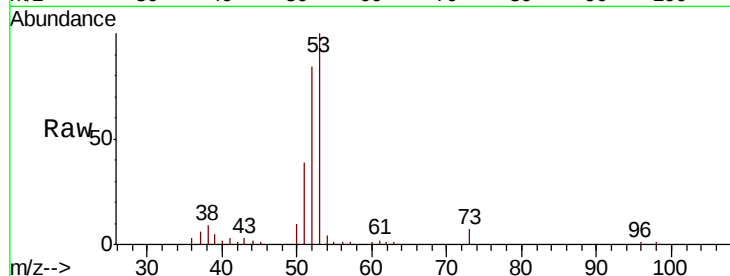
Tgt Ion: 53 Resp: 117444

Ion Ratio Lower Upper

53 100

52 84.9 66.7 100.1

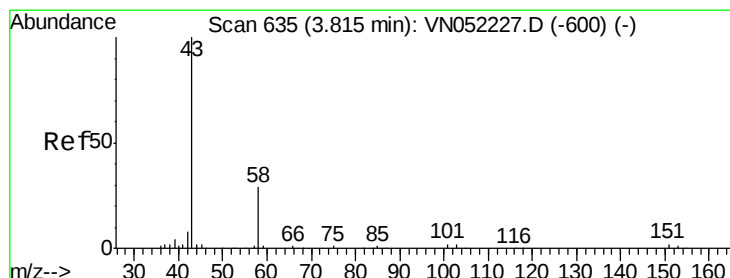
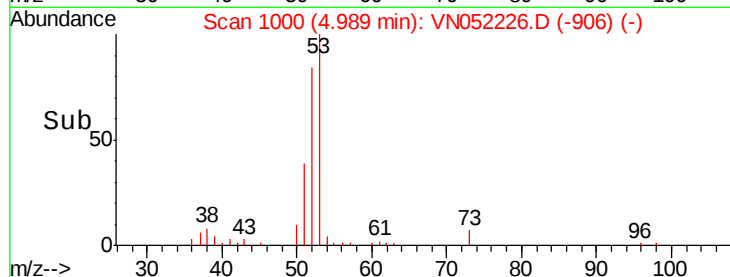
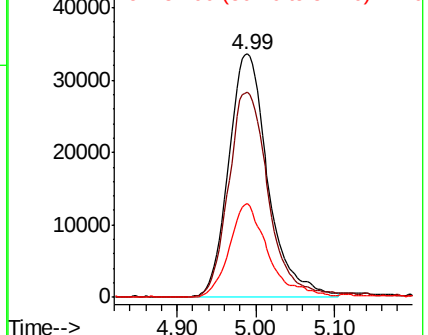
51 38.0 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 83.953 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052226.D

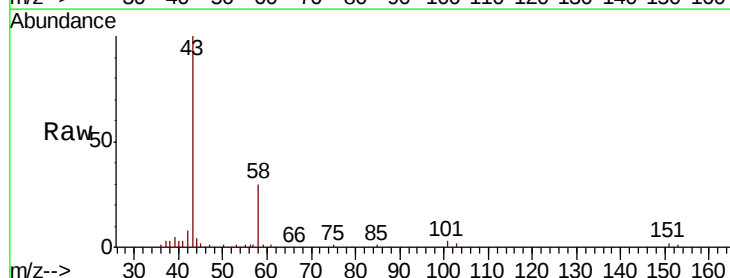
Acq: 9 Nov 2018 14:33

Tgt Ion: 43 Resp: 97526

Ion Ratio Lower Upper

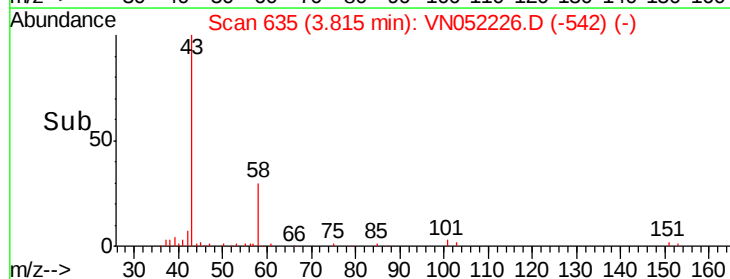
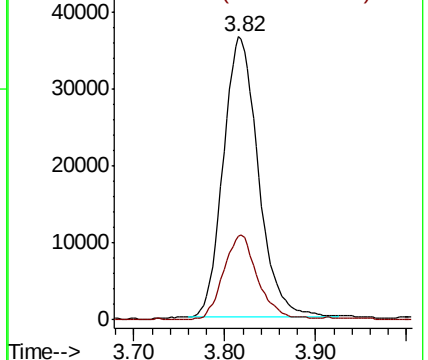
43 100

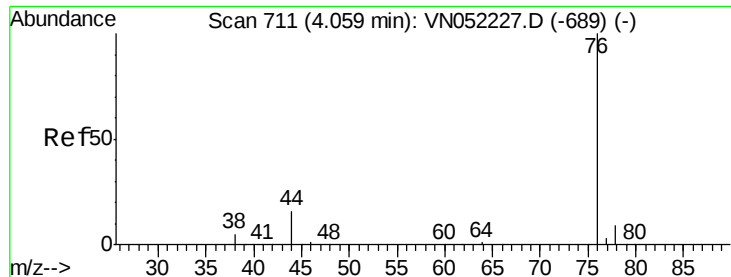
58 30.1 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

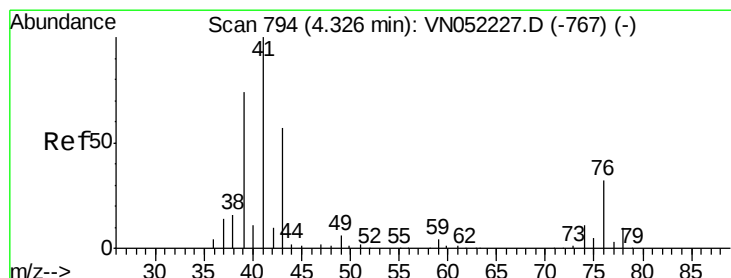
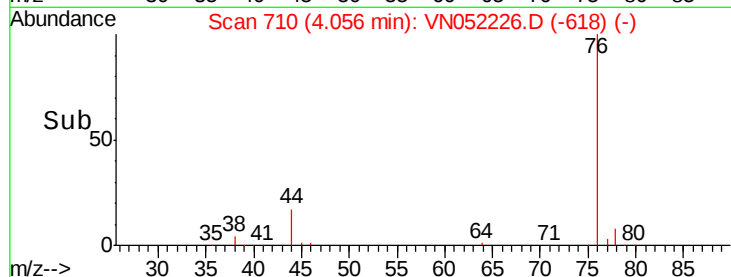
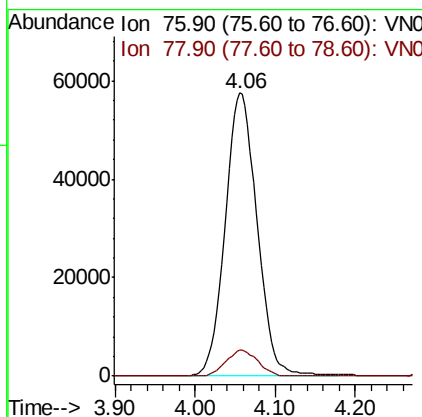
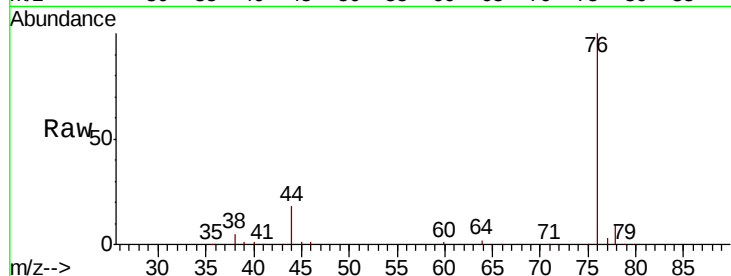




#17
Carbon Disulfide
Concen: 18.577 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

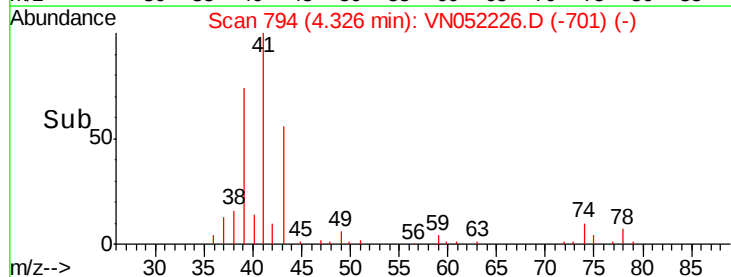
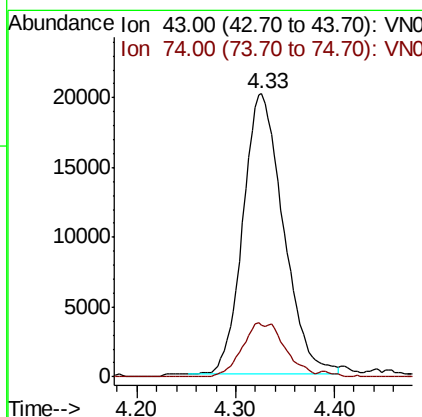
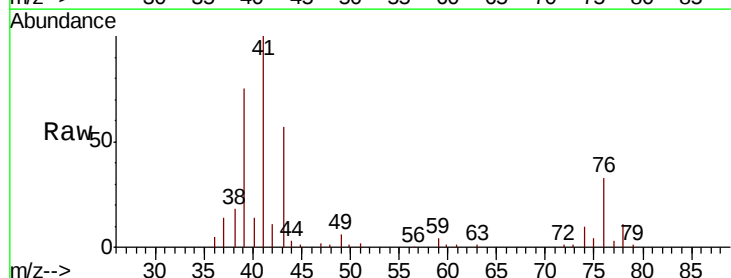
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

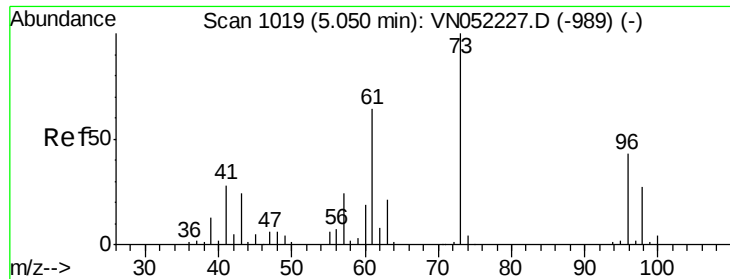
Tgt Ion: 76 Resp: 155989
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 19.097 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion: 43 Resp: 57006
Ion Ratio Lower Upper
43 100
74 11.0 16.2 24.2#

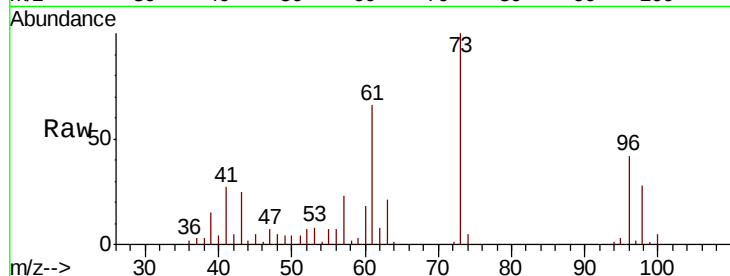




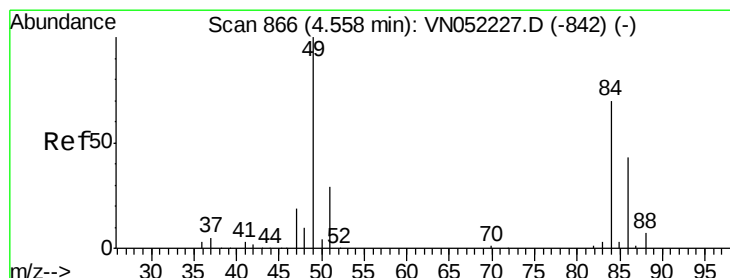
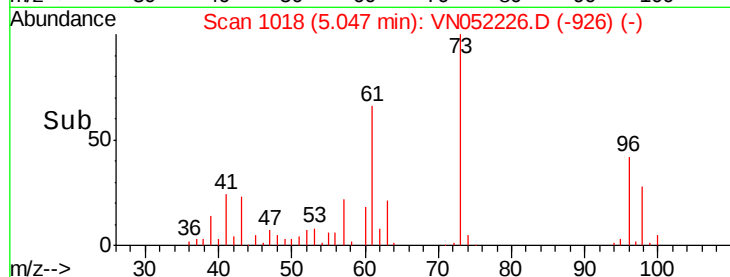
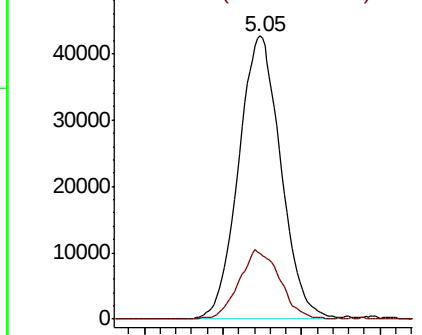
#19
Methyl tert-butyl Ether
Concen: 19.465 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 160975
Ion Ratio Lower Upper
73 100
57 23.1 19.1 28.7

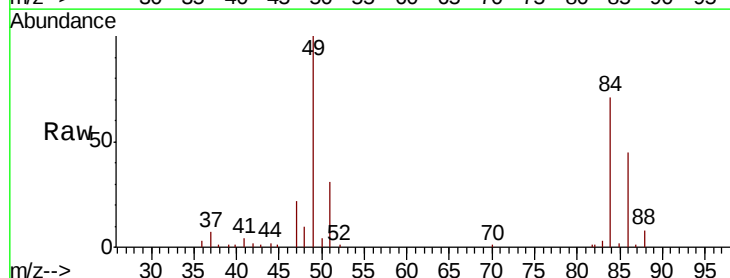


Abundance Ion 73.00 (72.70 to 73.70): VN052227.D (-989) (-)
Ion 57.00 (56.70 to 57.70): VN052227.D (-989) (-)

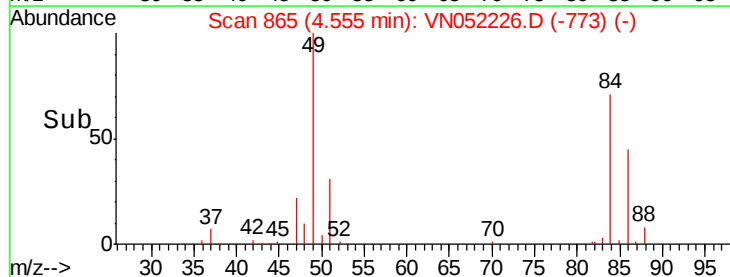
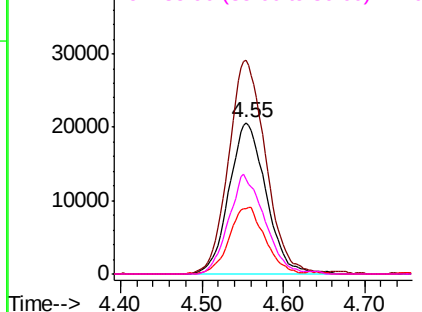


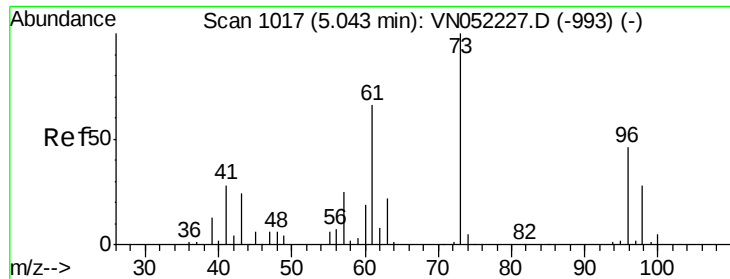
#20
Methylene Chloride
Concen: 20.275 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion: 84 Resp: 65016
Ion Ratio Lower Upper
84 100
49 141.1 114.8 172.2
51 43.1 33.1 49.7
86 62.9 49.7 74.5



Abundance Ion 83.90 (83.60 to 84.60): VN052227.D (-842) (-)
Ion 48.90 (48.60 to 49.60): VN052227.D (-842) (-)
Ion 50.90 (50.60 to 51.60): VN052227.D (-842) (-)
Ion 85.90 (85.60 to 86.60): VN052227.D (-842) (-)

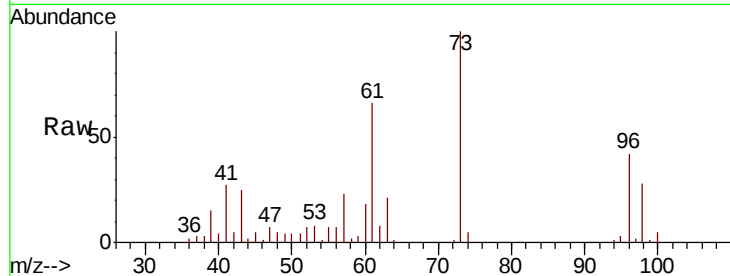




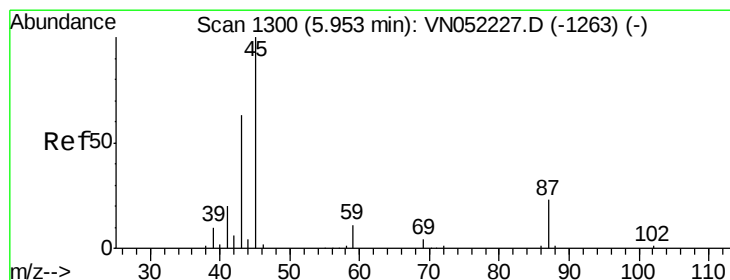
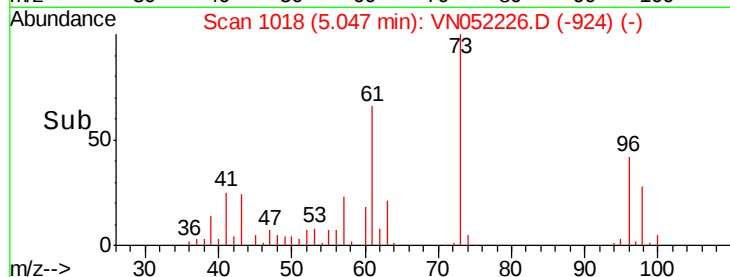
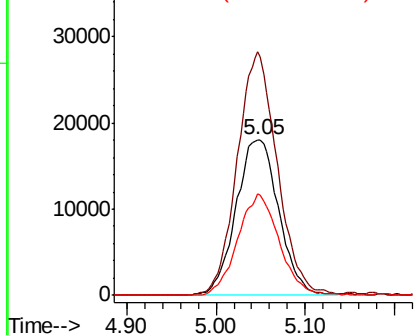
#21
trans-1,2-Dichloroethene
Concen: 19.153 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 60254
Ion Ratio Lower Upper
96 100
61 156.2 115.3 172.9
98 65.3 49.5 74.3

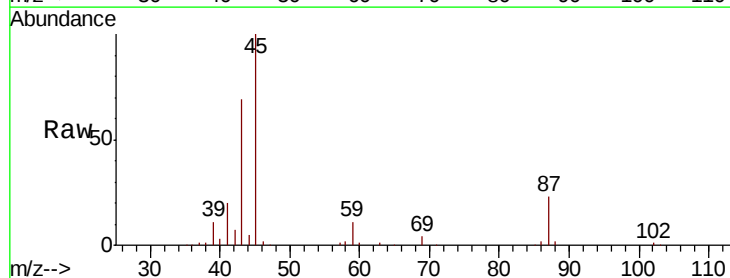


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

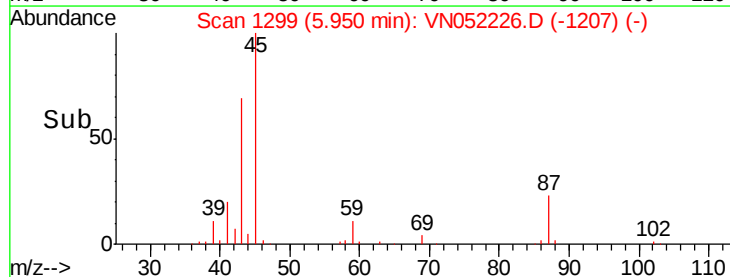
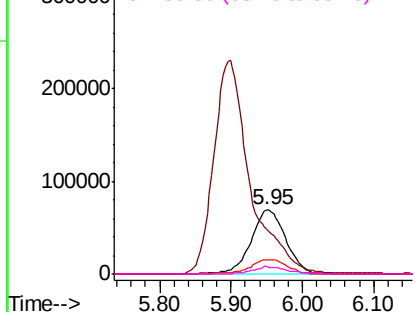


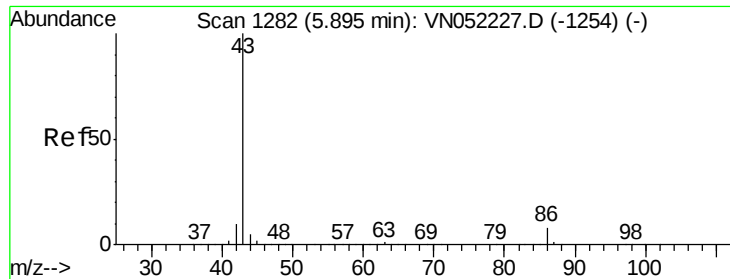
#22
Diisopropyl ether
Concen: 19.195 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion: 45 Resp: 234341
Ion Ratio Lower Upper
45 100
43 66.9 50.6 76.0
87 23.0 19.0 28.4
59 10.7 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC

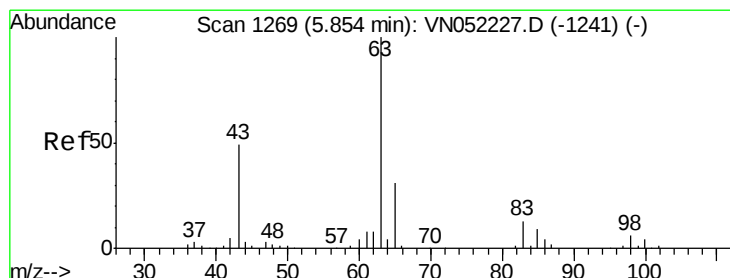
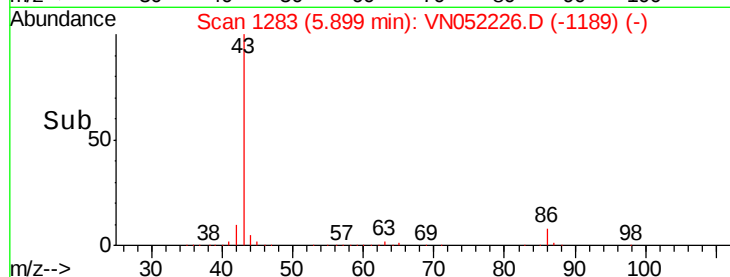
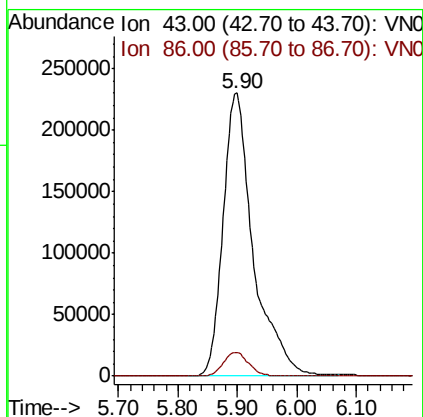
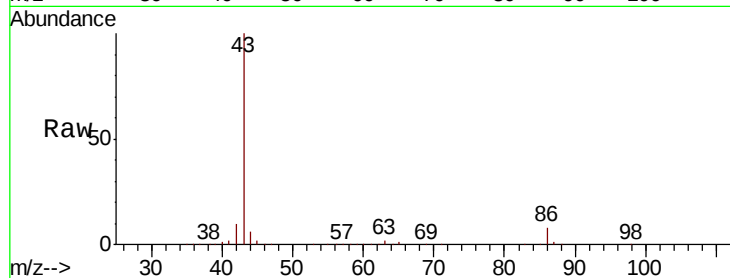




#23
 Vinyl Acetate
 Concen: 97.974 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

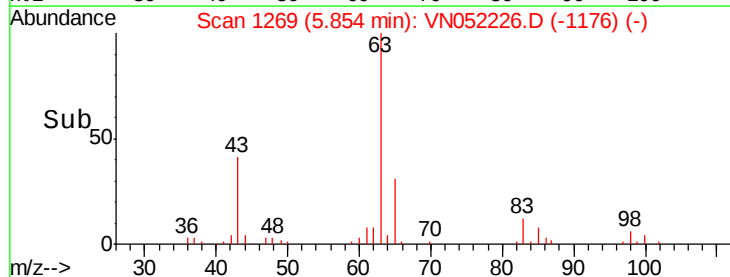
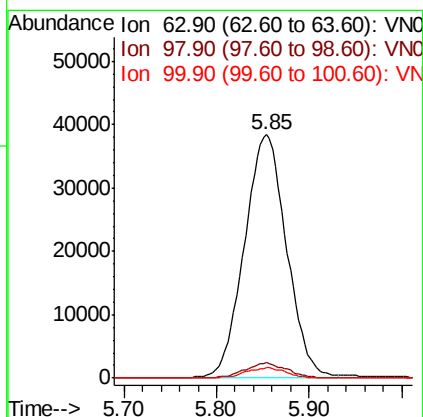
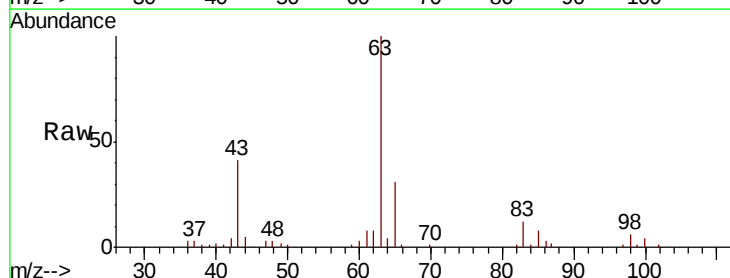
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

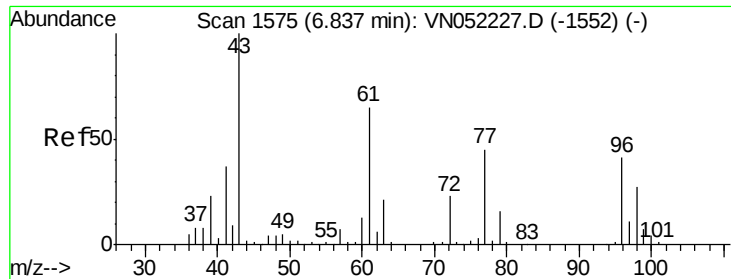
Tgt Ion: 43 Resp: 816727
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 18.965 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion: 63 Resp: 121690
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.6
 100 4.3 2.1 6.2

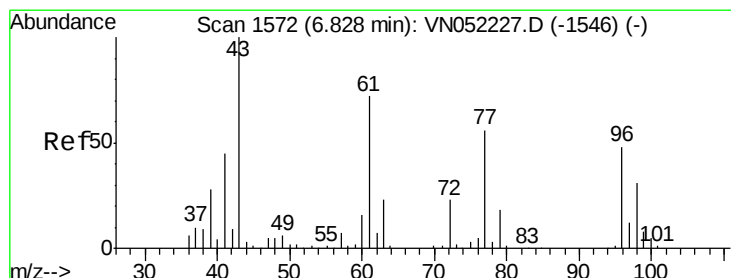
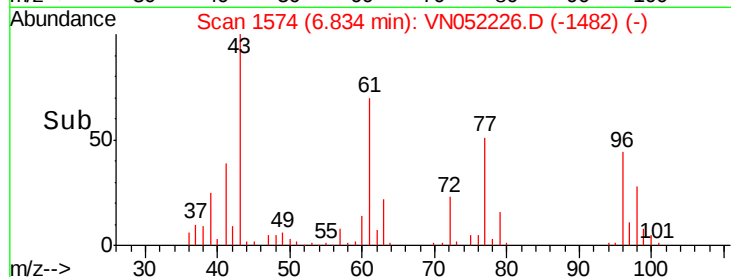
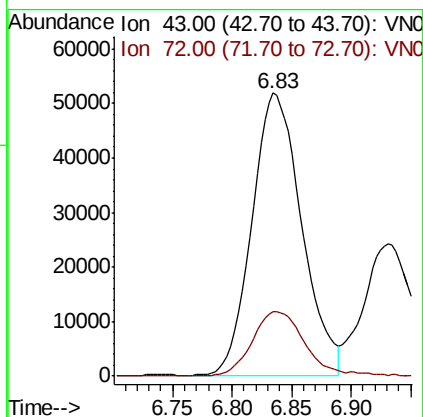
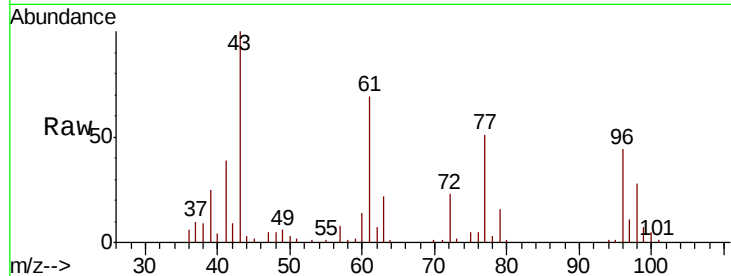




#25
2-Butanone
Concen: 93.486 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

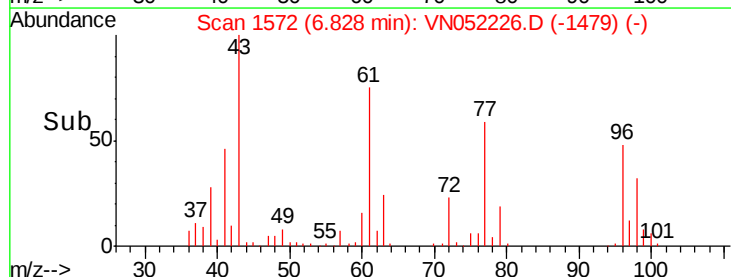
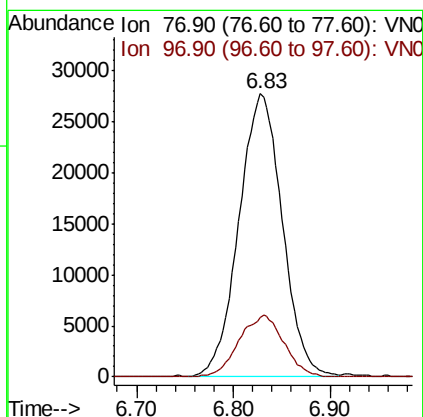
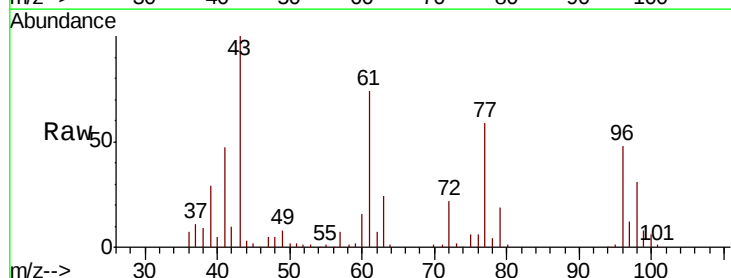
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

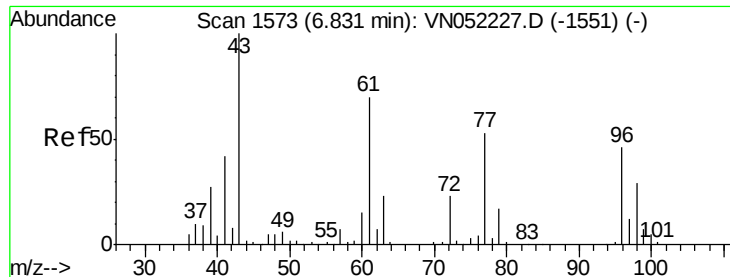
Tgt Ion: 43 Resp: 151009
Ion Ratio Lower Upper
43 100
72 22.7 18.6 27.8



#26
2,2-Dichloropropane
Concen: 18.450 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion: 77 Resp: 86467
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.343 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

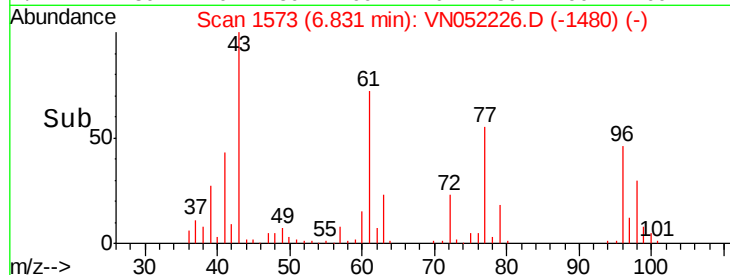
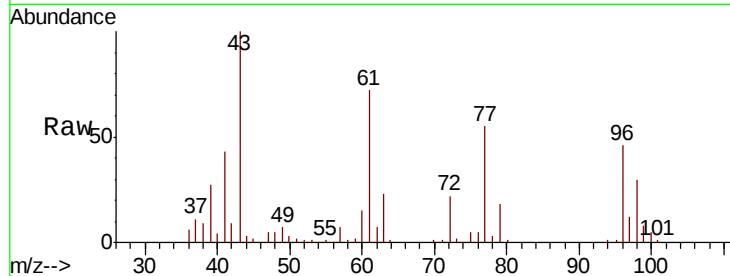
Tgt Ion: 96 Resp: 68116

Ion Ratio Lower Upper

96 100

61 154.2 0.0 313.4

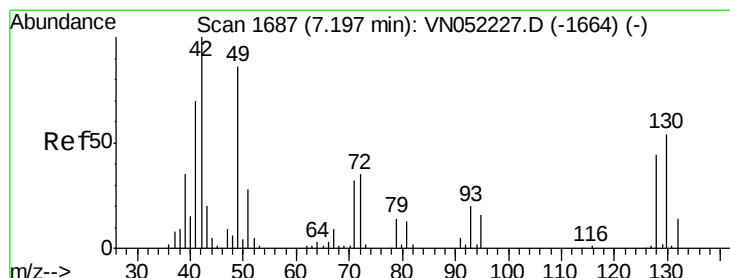
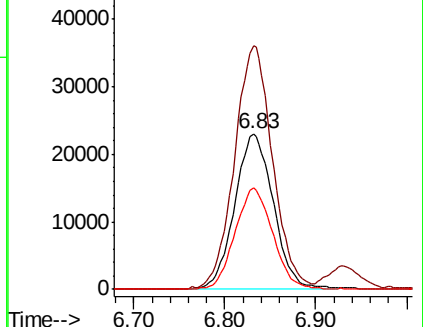
98 63.4 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN052226.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN052226.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN052226.D (-1480) (-)



#28

Bromochloromethane

Concen: 19.639 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

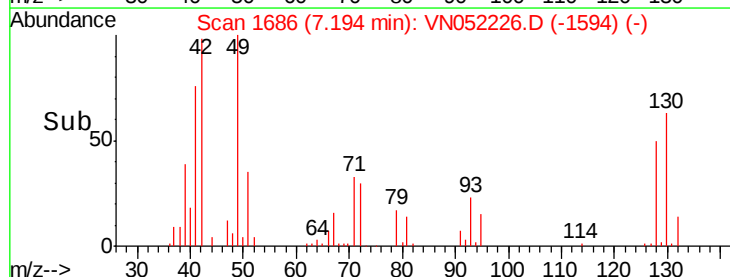
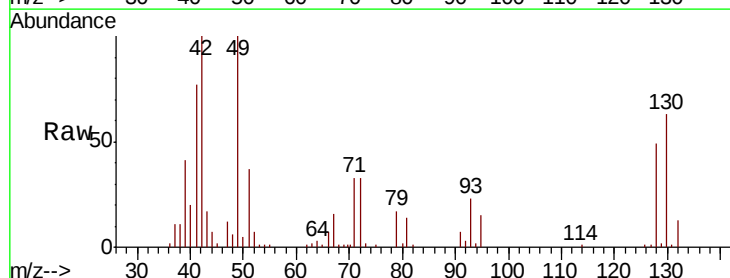
Tgt Ion: 49 Resp: 62269

Ion Ratio Lower Upper

49 100

129 0.5 0.0 3.8

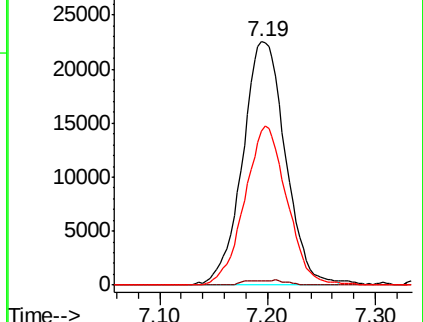
130 64.0 51.4 77.2

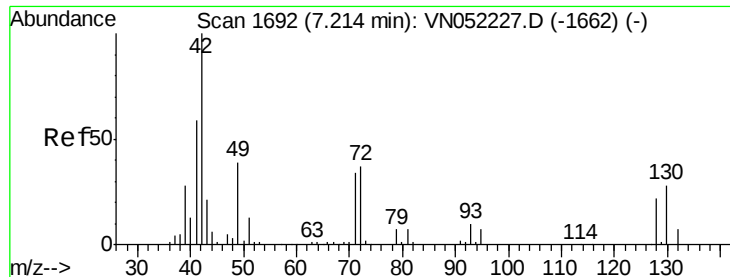


Abundance Ion 48.90 (48.60 to 49.60): VN052226.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN052226.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN052226.D (-1594) (-)

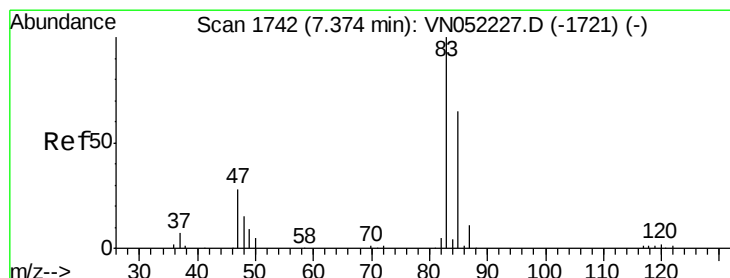
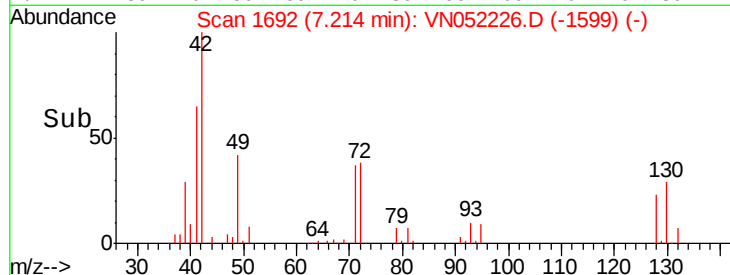
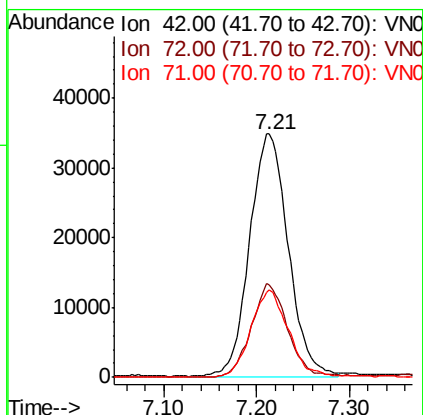
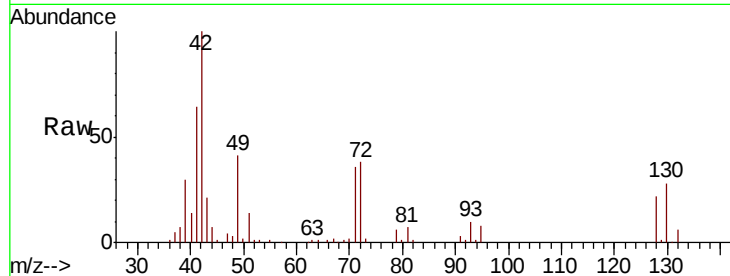




#29
Tetrahydrofuran
Concen: 97.953 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

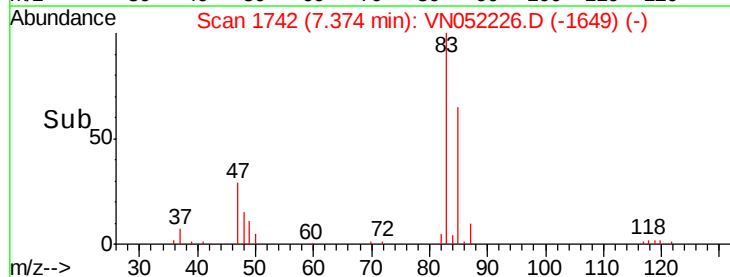
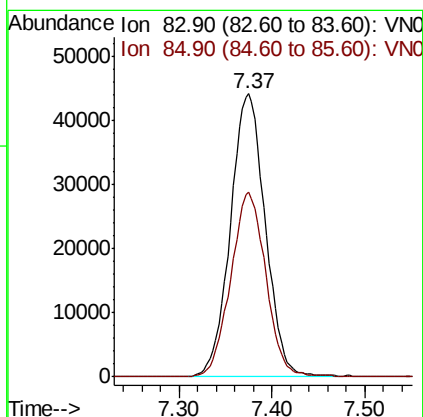
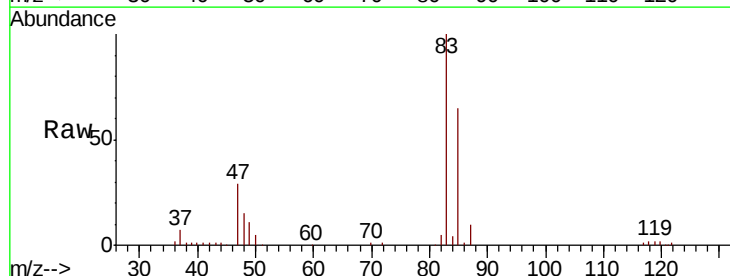
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

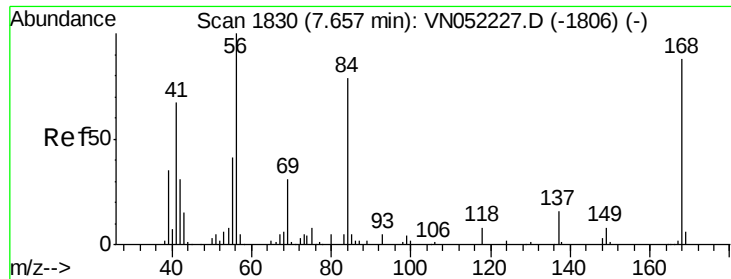
Tgt Ion: 42 Resp: 101696
Ion Ratio Lower Upper
42 100
72 35.6 28.6 43.0
71 34.6 27.1 40.7



#30
Chloroform
Concen: 18.957 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion: 83 Resp: 115123
Ion Ratio Lower Upper
83 100
85 65.4 51.8 77.6

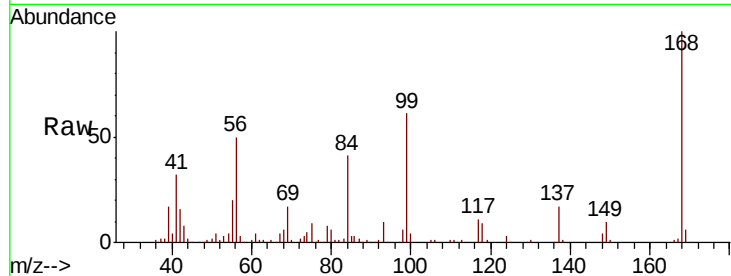




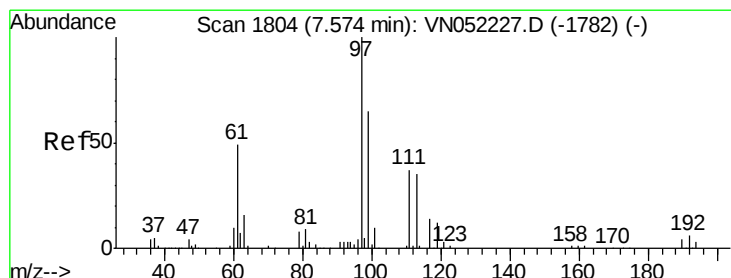
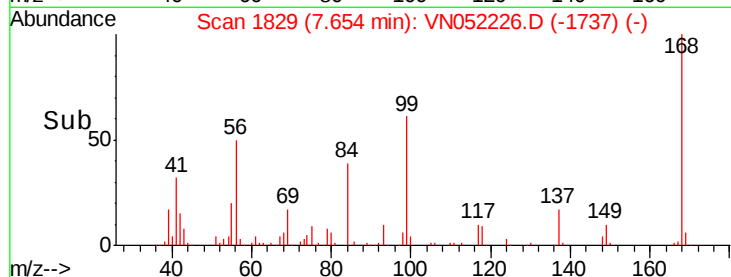
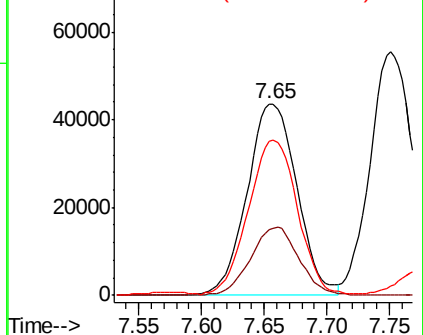
#31
Cyclohexane
Concen: 16.214 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 120759
Ion Ratio Lower Upper
56 100
69 34.0 24.8 37.2
84 79.3 63.1 94.7

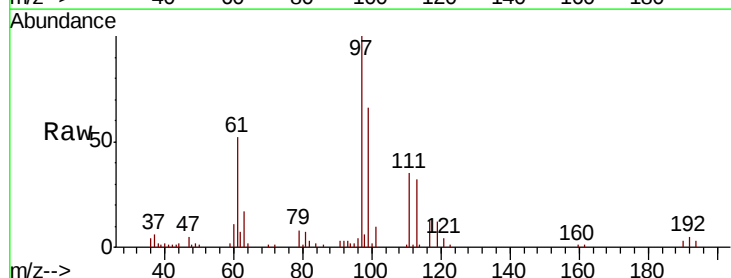


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

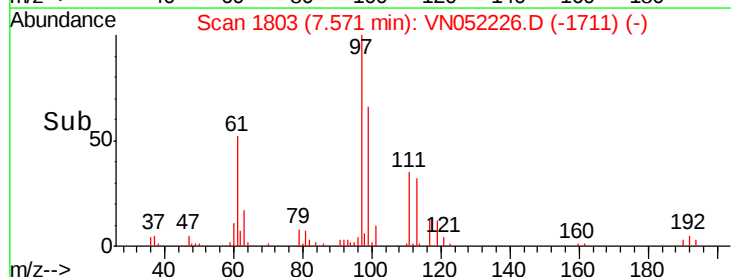
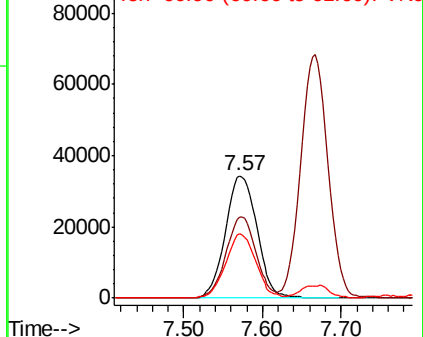


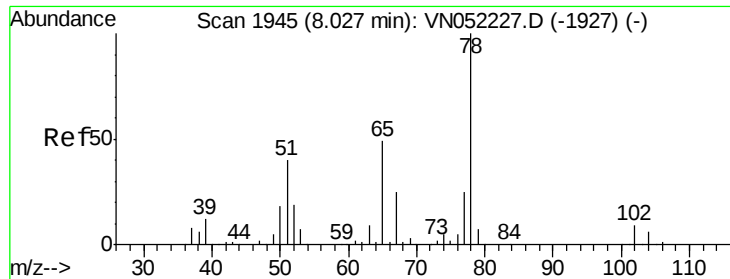
#32
1,1,1-Trichloroethane
Concen: 19.306 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion: 97 Resp: 95561
Ion Ratio Lower Upper
97 100
99 63.1 51.9 77.9
61 50.4 40.2 60.4



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

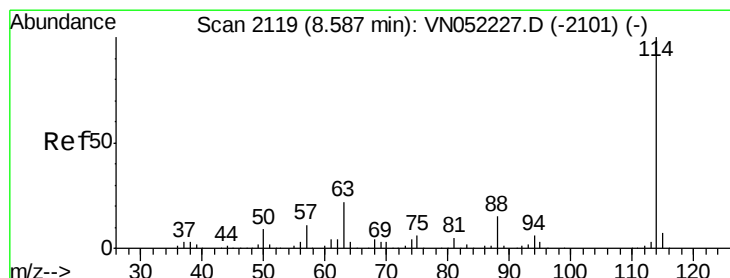
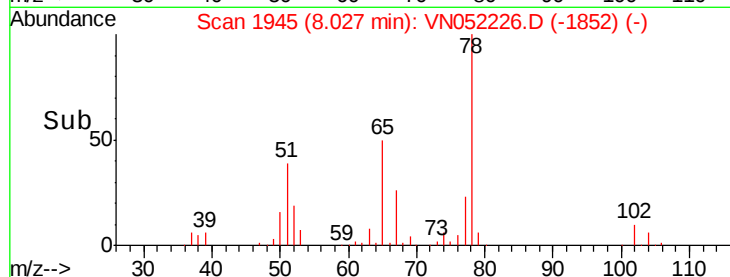
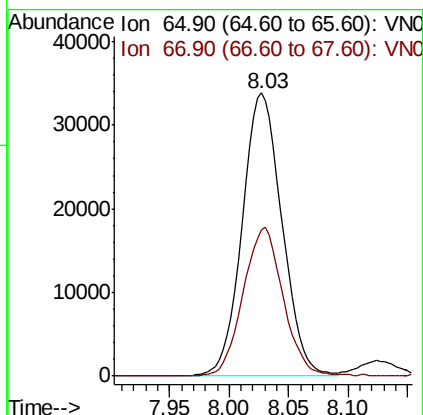
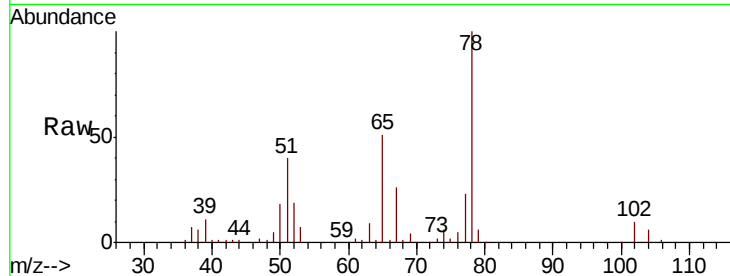




#33
 1,2-Dichloroethane-d4
 Concen: 19.306 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

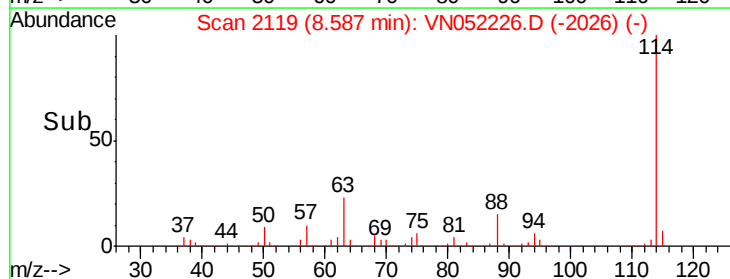
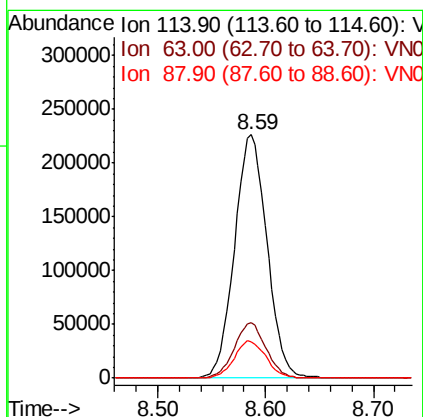
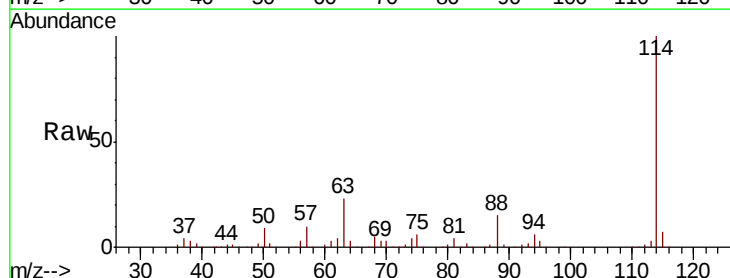
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

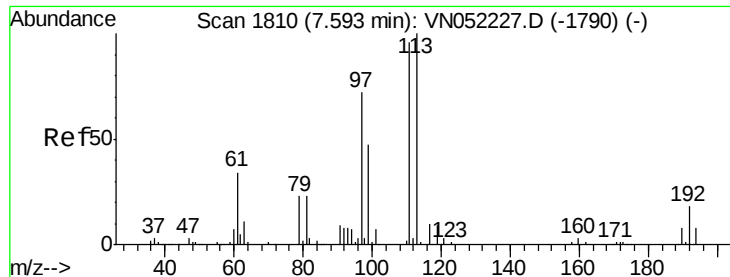
Tgt Ion: 65 Resp: 78472
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion: 114 Resp: 474677
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.4
 88 14.9 0.0 30.2

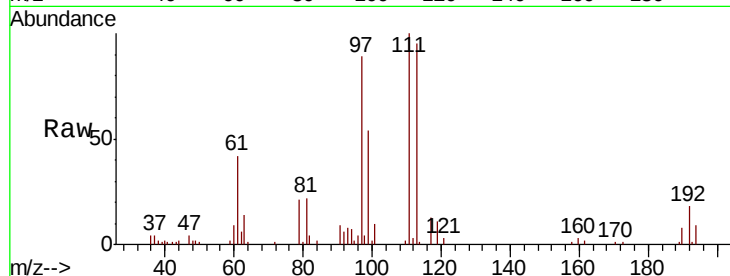




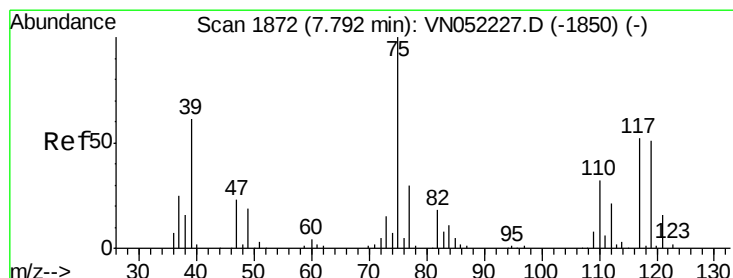
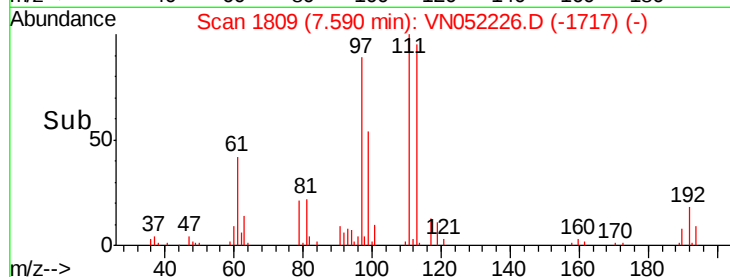
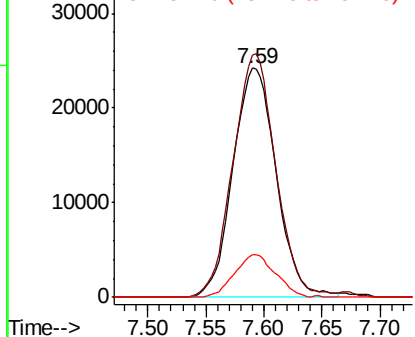
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 113 Resp: 62773
 Ion Ratio Lower Upper
 113 100
 111 104.8 80.2 120.4
 192 17.6 14.1 21.1

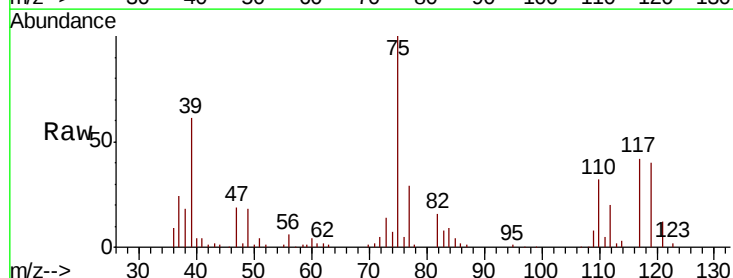


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

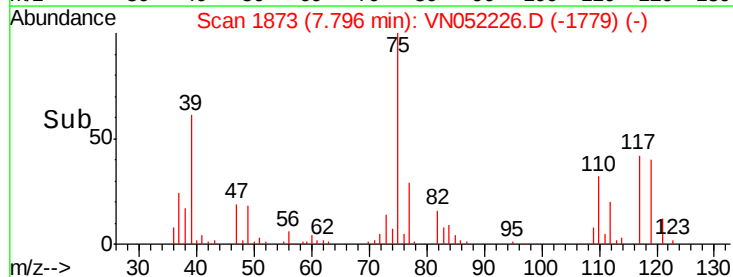
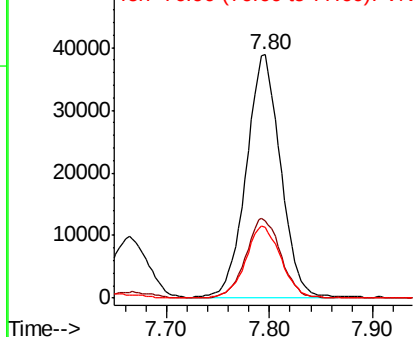


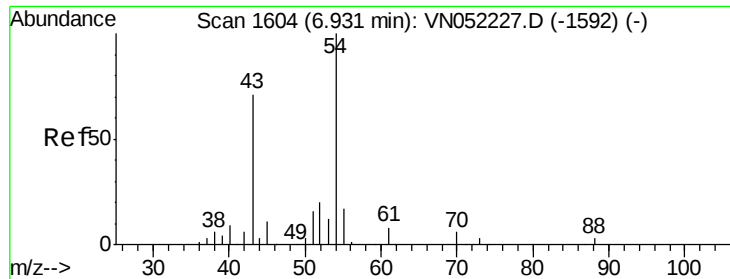
#36
 1,1-Dichloropropene
 Concen: 18.819 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion: 75 Resp: 90165
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.4 49.4
 77 30.5 23.9 35.9



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

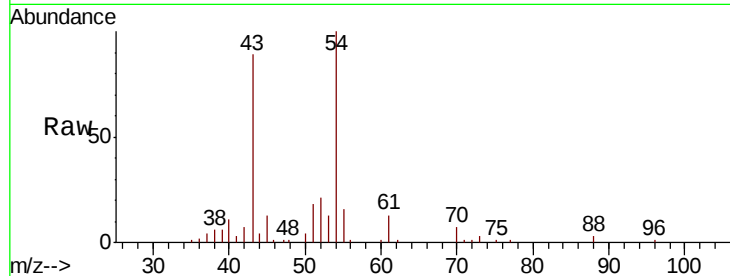




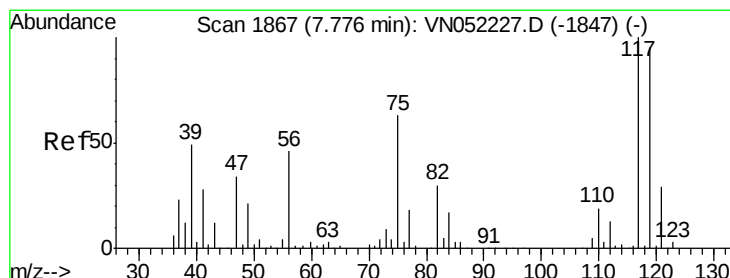
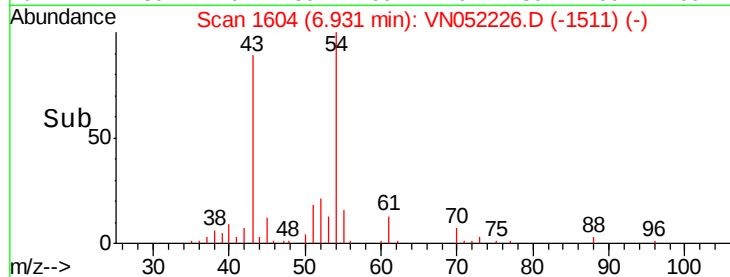
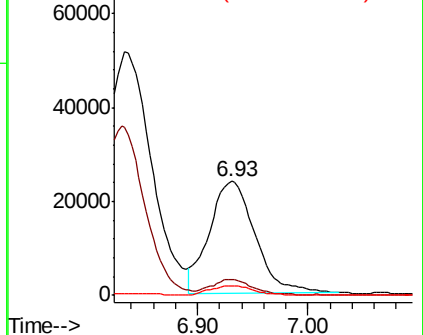
#37
 Ethyl Acetate
 Concen: 19.529 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 43 Resp: 69037
 Ion Ratio Lower Upper
 43 100
 61 11.2 10.0 15.0
 70 7.8 6.9 10.3

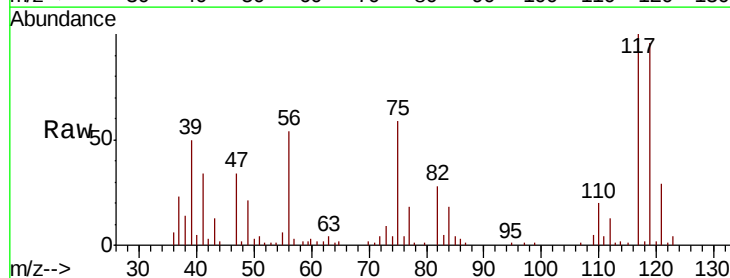


Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-1592) (-)
 Ion 60.90 (60.60 to 61.60): VN052227.D (-1592) (-)
 Ion 70.00 (69.70 to 70.70): VN052227.D (-1592) (-)

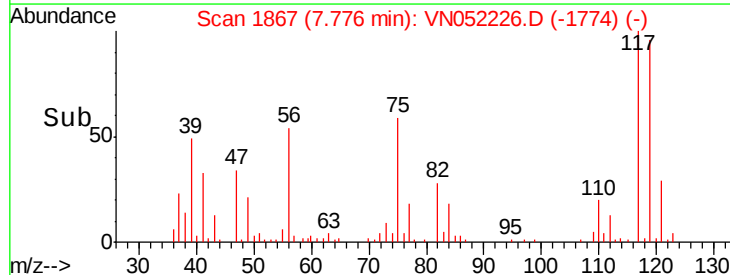
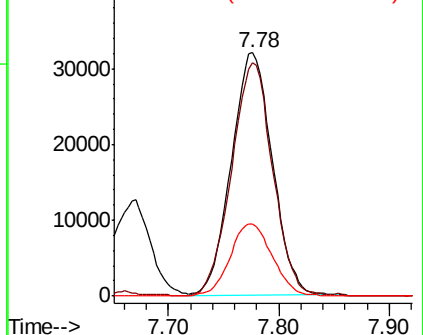


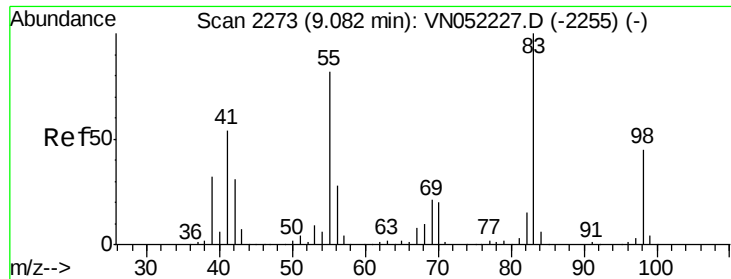
#38
 Carbon Tetrachloride
 Concen: 18.997 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion: 117 Resp: 82481
 Ion Ratio Lower Upper
 117 100
 119 96.1 75.8 113.8
 121 29.6 23.4 35.2



Abundance Ion 116.80 (116.50 to 117.50): VN052227.D (-1847) (-)
 Ion 118.80 (118.50 to 119.50): VN052227.D (-1847) (-)
 Ion 120.80 (120.50 to 121.50): VN052227.D (-1847) (-)

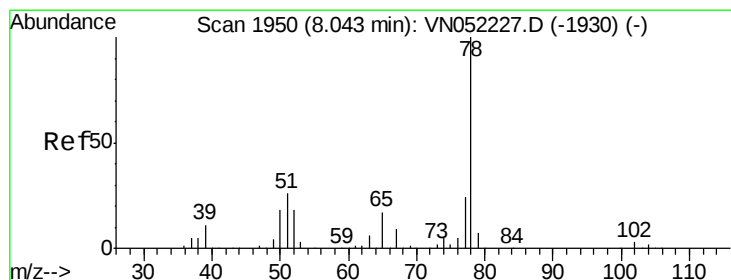
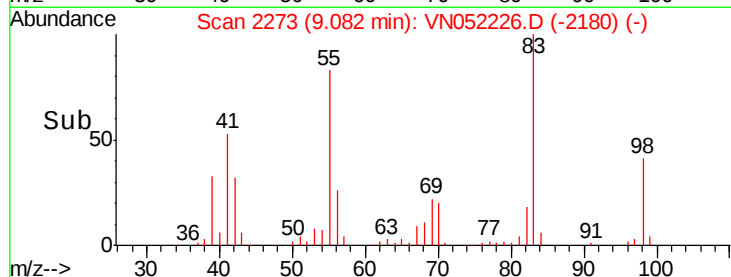
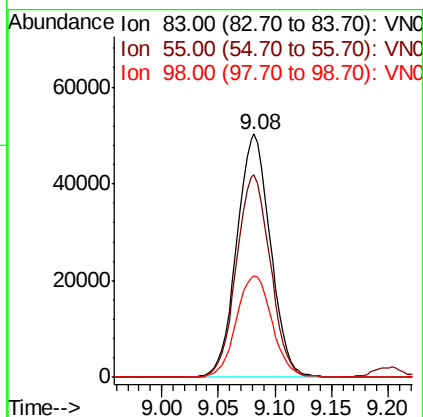
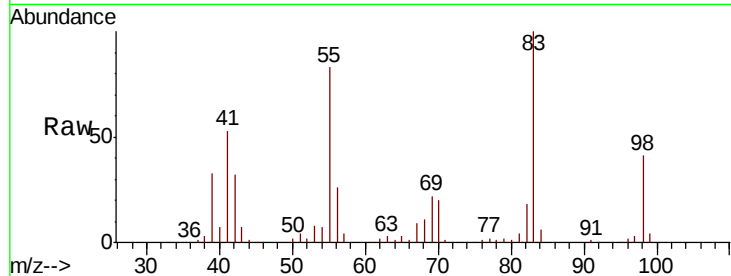




#39
Methylcyclohexane
Concen: 19.058 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

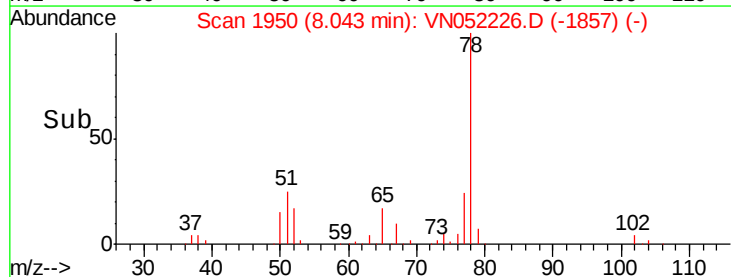
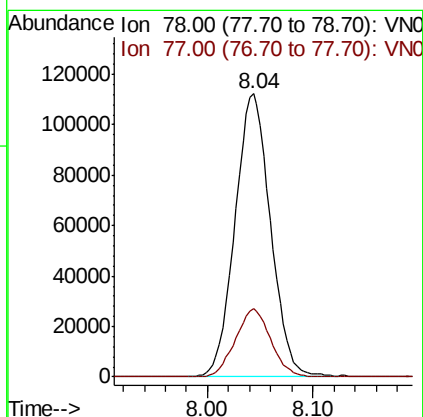
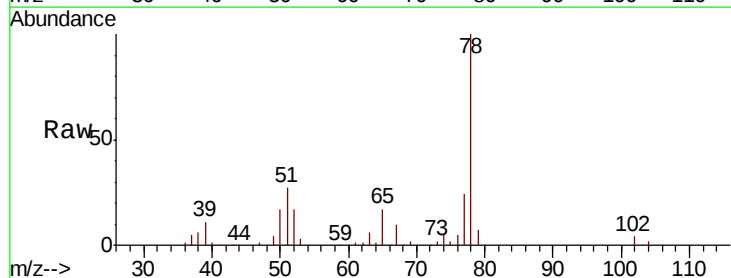
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

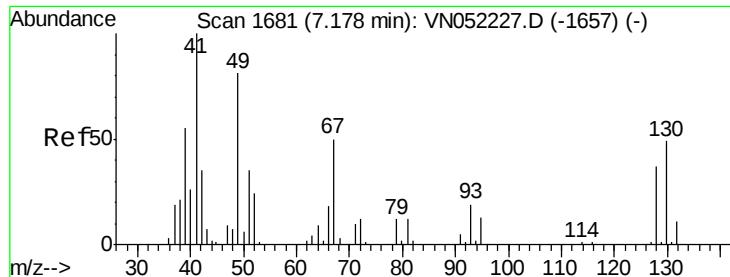
Tgt Ion: 83 Resp: 104149
Ion Ratio Lower Upper
83 100
55 83.1 65.2 97.8
98 41.5 36.3 54.5



#40
Benzene
Concen: 19.152 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion: 78 Resp: 262720
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8





#41

Methacrylonitrile

Concen: 53.601 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.04 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 99958

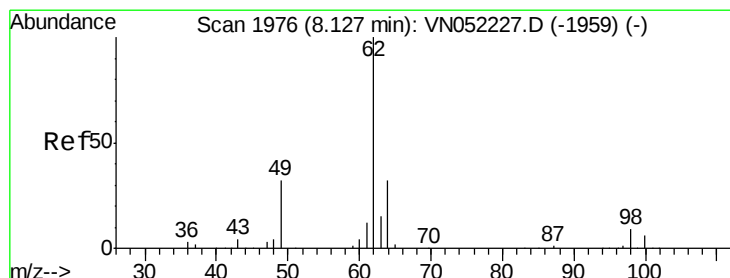
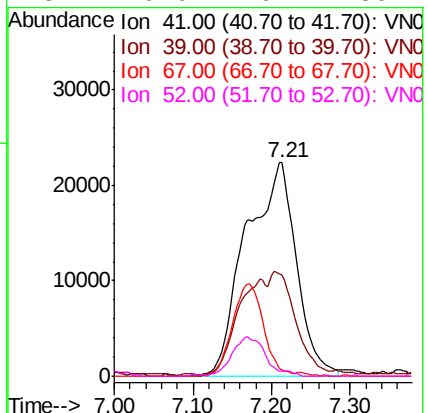
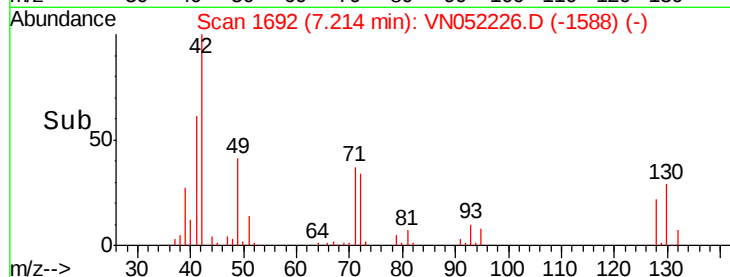
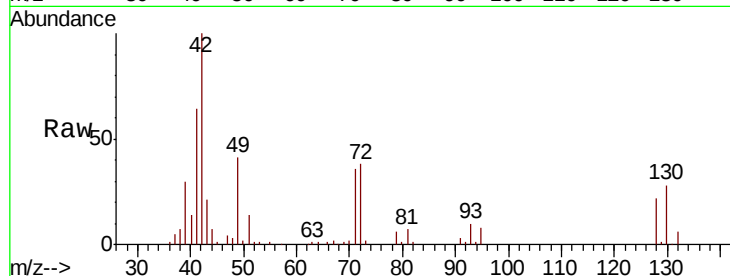
Ion Ratio Lower Upper

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: 18.220 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN052226.D

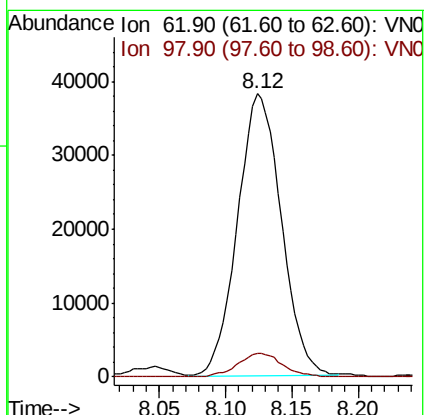
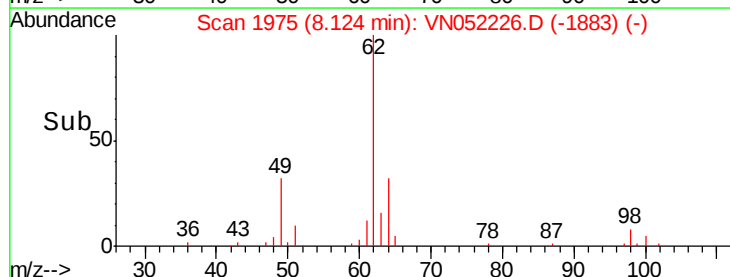
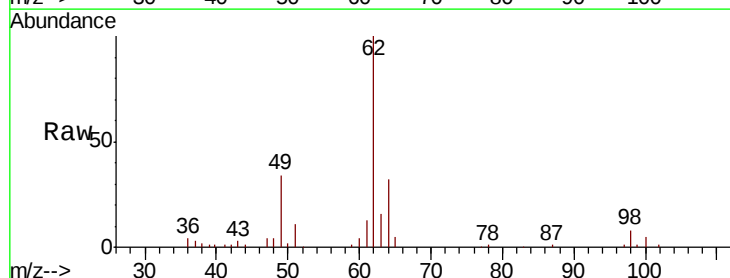
Acq: 9 Nov 2018 14:33

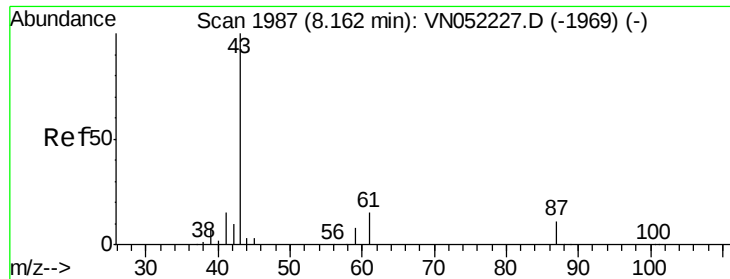
Tgt Ion: 62 Resp: 87692

Ion Ratio Lower Upper

62 100

98 8.5 0.0 16.4





#43

Isopropyl Acetate

Concen: 19.217 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

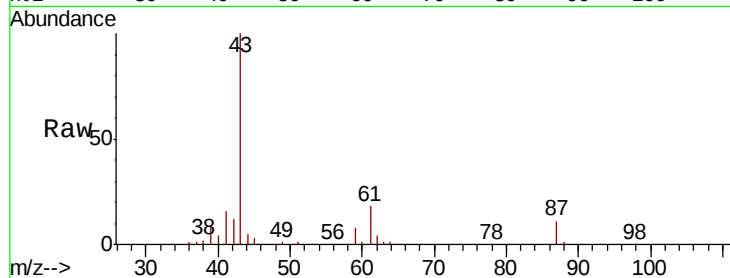
Tgt Ion: 43 Resp: 120703

Ion Ratio Lower Upper

43 100

61 17.6 14.2 21.4

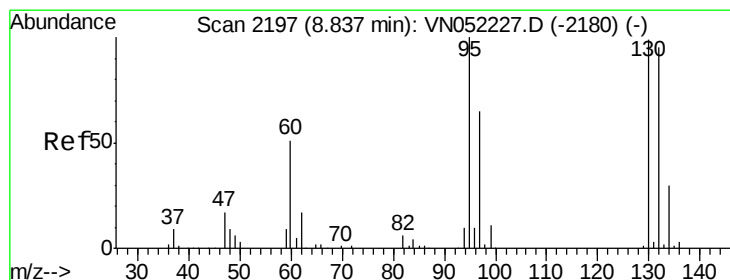
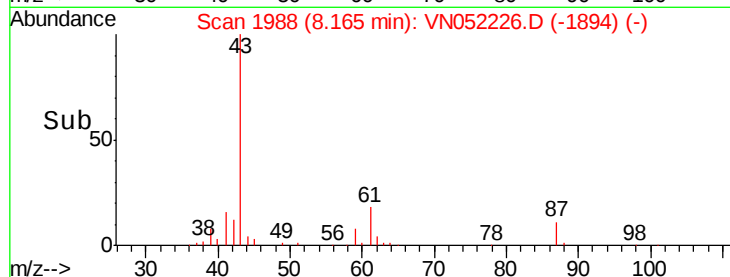
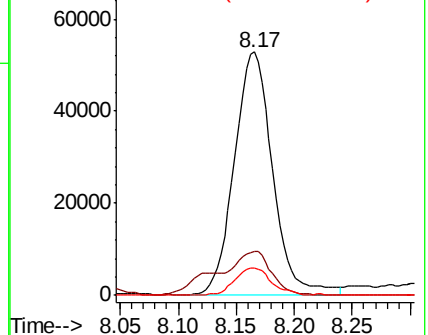
87 10.9 8.4 12.6



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: 18.399 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052226.D

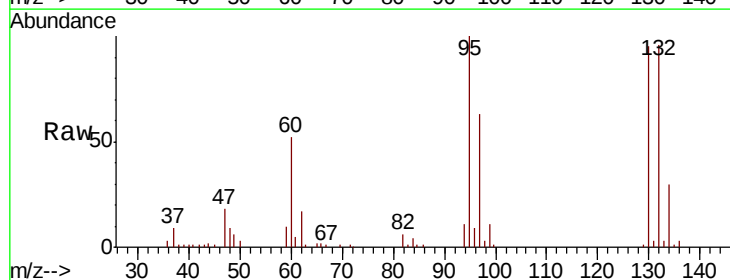
Acq: 9 Nov 2018 14:33

Tgt Ion: 130 Resp: 63246

Ion Ratio Lower Upper

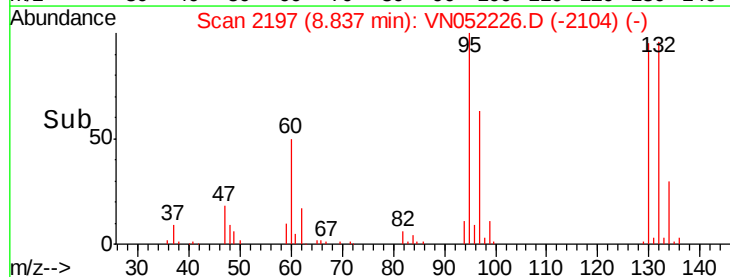
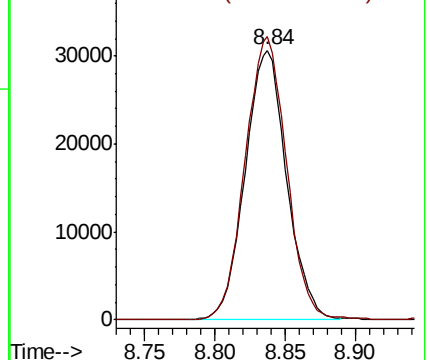
130 100

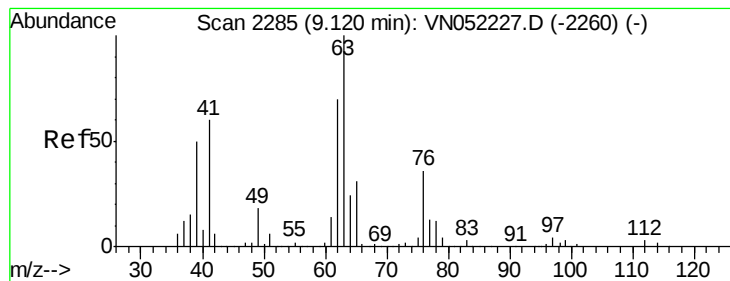
95 104.9 0.0 201.6



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: 19.174 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

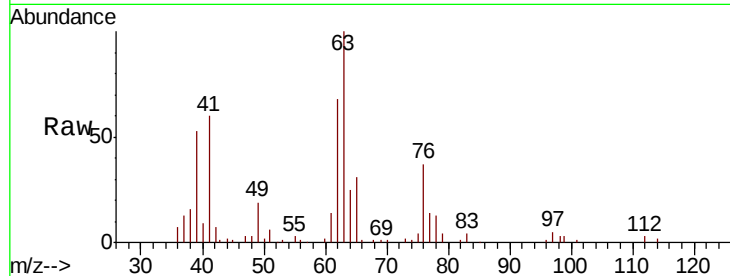
VSTDIC020

Tgt Ion: 63 Resp: 73481

Ion Ratio Lower Upper

63 100

65 31.1 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN052227.D (-2260) (-)

Ion 64.90 (64.60 to 65.60): VN052227.D (-2260) (-)

9.12

40000

30000

20000

10000

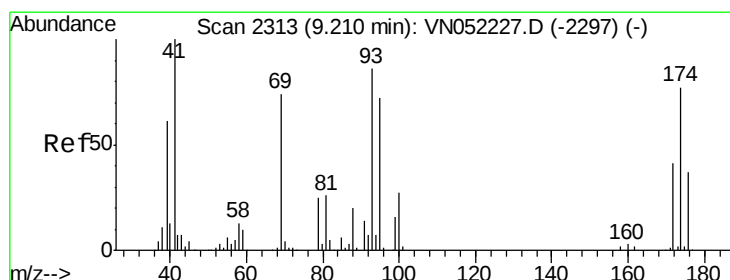
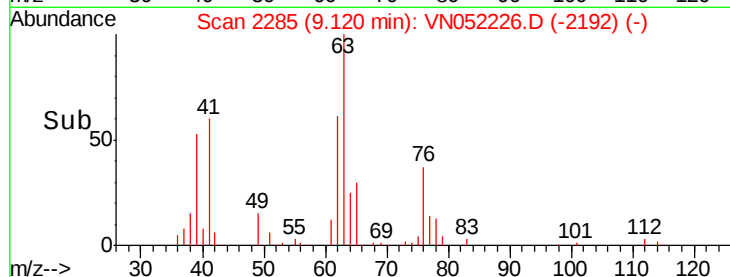
0

Time-->

9.00

9.10

9.20



#46

Dibromomethane

Concen: 19.472 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

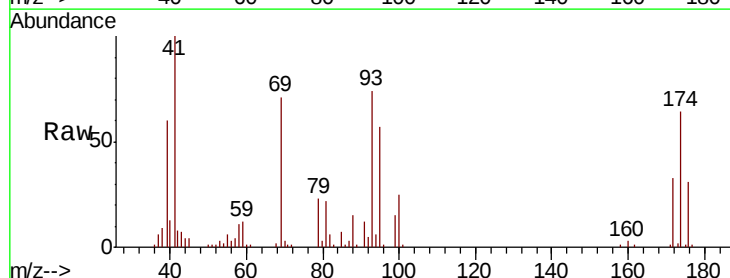
Tgt Ion: 93 Resp: 42863

Ion Ratio Lower Upper

93 100

95 81.7 67.0 100.4

174 88.0 72.1 108.1



Abundance Ion 92.80 (92.50 to 93.50): VN052227.D (-2297) (-)

Ion 94.80 (94.50 to 95.50): VN052227.D (-2297) (-)

Ion 173.70 (173.40 to 174.40): VN052227.D (-2297) (-)

9.21

25000

20000

15000

10000

5000

0

Time-->

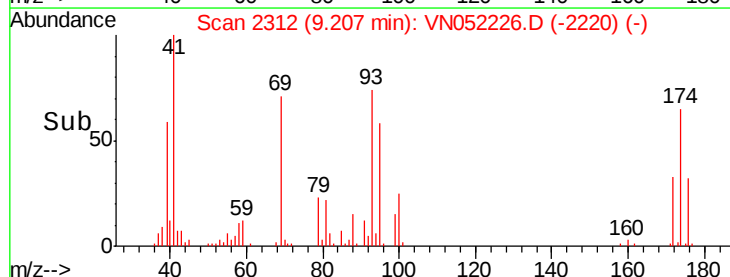
9.10

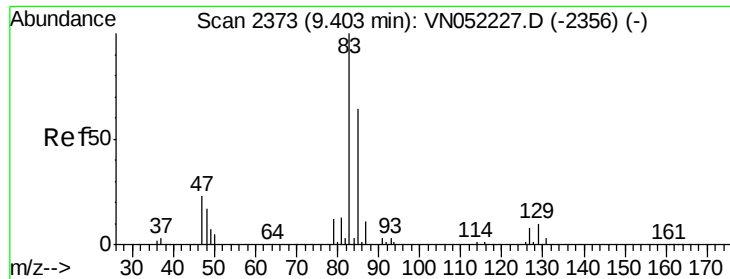
9.15

9.20

9.25

9.30





#47

Bromodichloromethane

Concen: 18.831 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

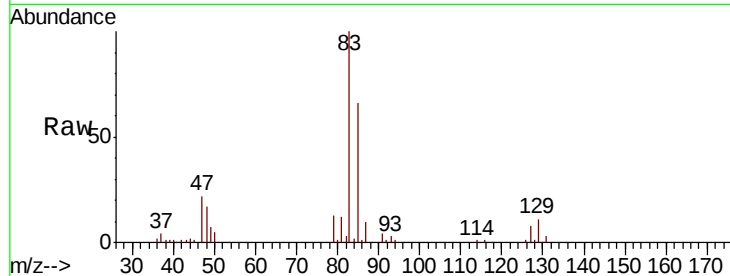
Tgt Ion: 83 Resp: 85885

Ion Ratio Lower Upper

83 100

85 65.7 51.2 76.8

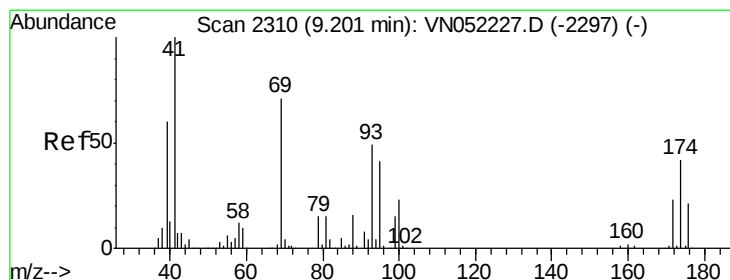
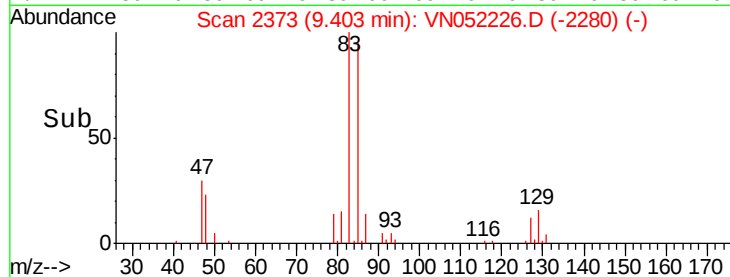
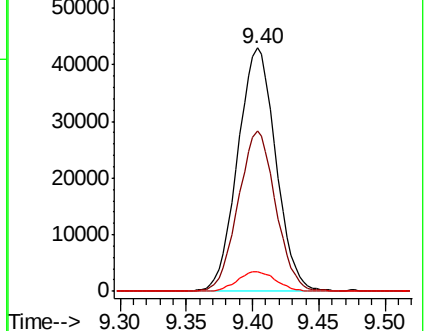
127 8.1 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VN052226.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052226.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052226.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.646 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

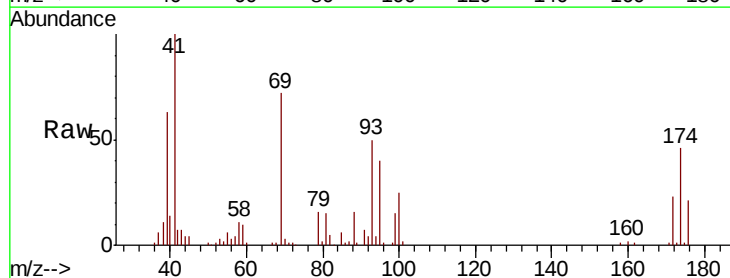
Tgt Ion: 41 Resp: 61710

Ion Ratio Lower Upper

41 100

69 74.5 58.8 88.2

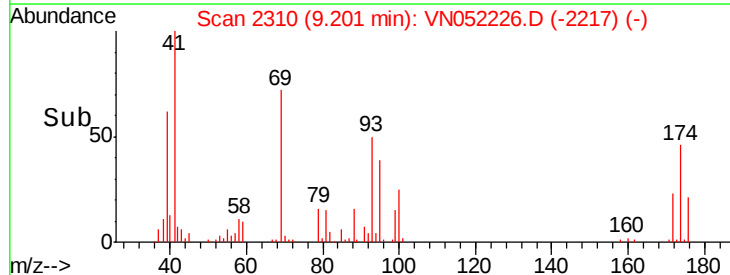
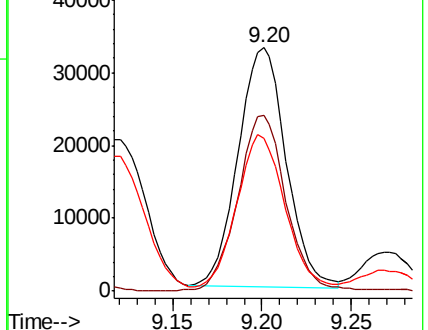
39 63.0 50.7 76.1

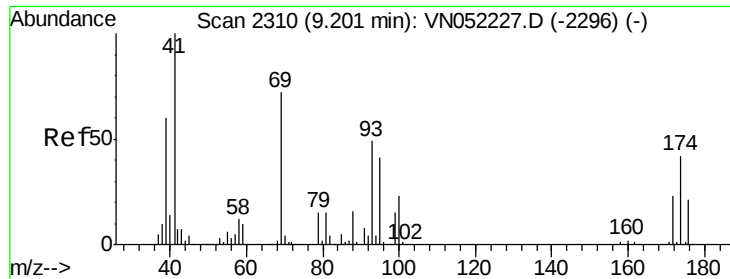


Abundance Ion 41.00 (40.70 to 41.70): VN052226.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN052226.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN052226.D (-2217) (-)





#49

1,4-Dioxane

Concen: 391.809 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

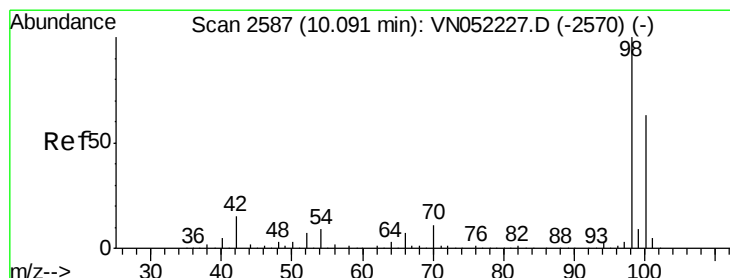
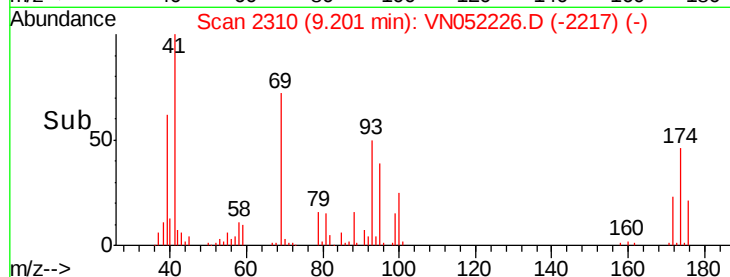
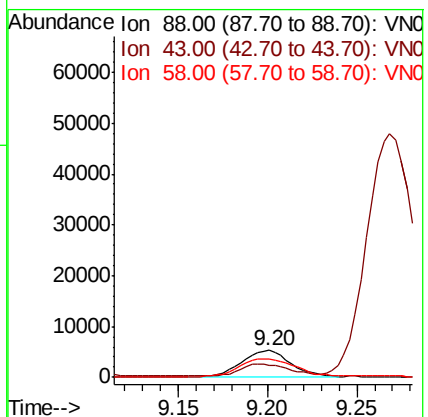
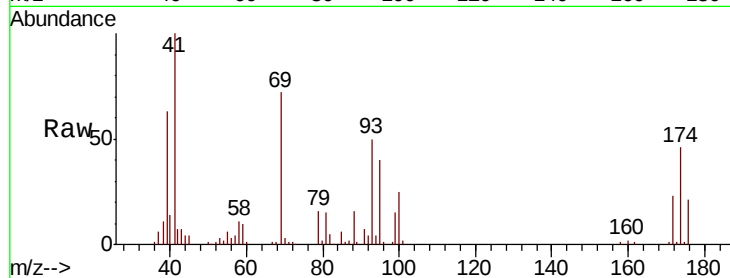
Tgt Ion: 88 Resp: 10424

Ion Ratio Lower Upper

88 100

43 42.6 32.5 48.7

58 79.8 58.2 87.4



#50

Toluene-d8

Concen: 391.809 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052226.D

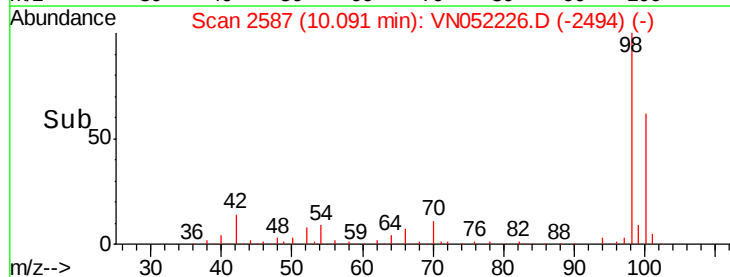
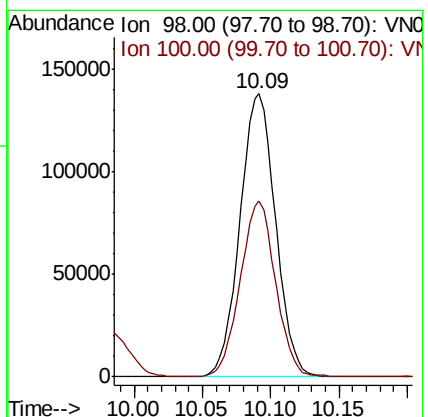
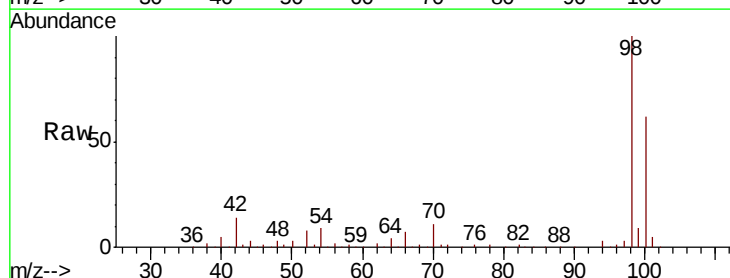
Acq: 9 Nov 2018 14:33

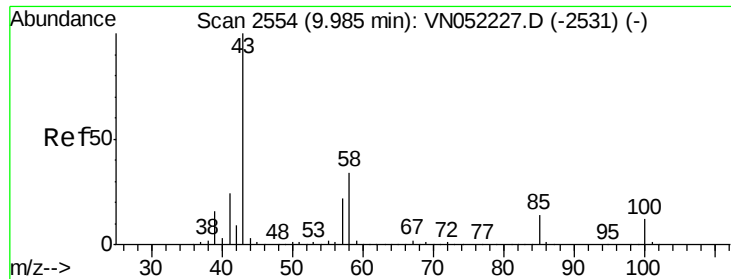
Tgt Ion: 98 Resp: 250184

Ion Ratio Lower Upper

98 100

100 61.1 50.2 75.2





#51

4-Methyl-2-Pentanone

Concen: 97.995 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

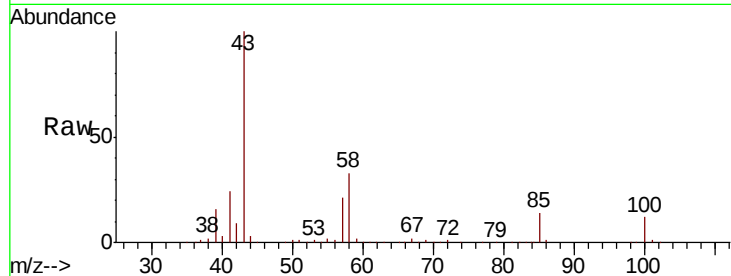
VSTDIC020

Tgt Ion: 43 Resp: 339925

Ion Ratio Lower Upper

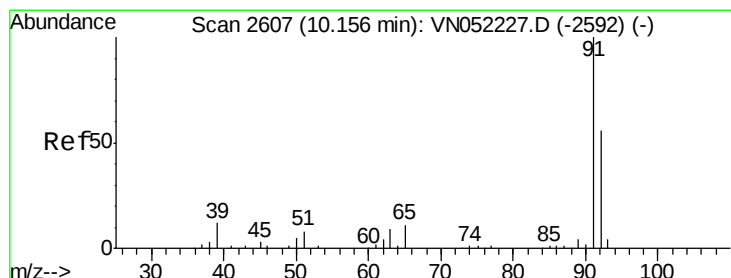
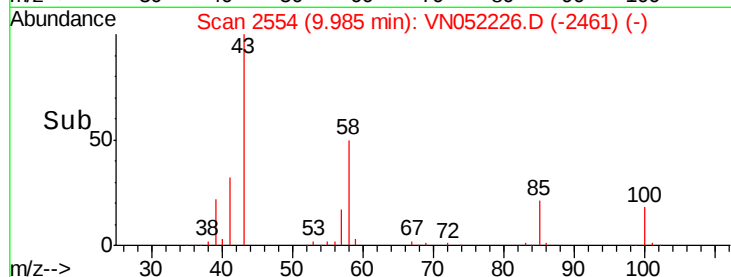
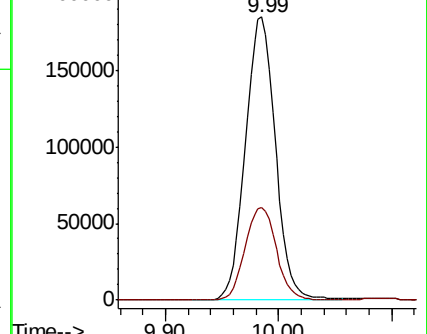
43 100

58 34.5 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.081 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052226.D

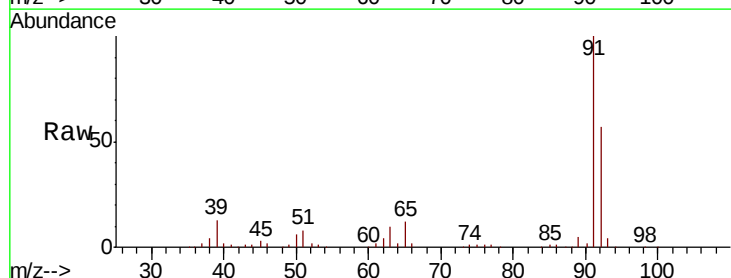
Acq: 9 Nov 2018 14:33

Tgt Ion: 92 Resp: 157891

Ion Ratio Lower Upper

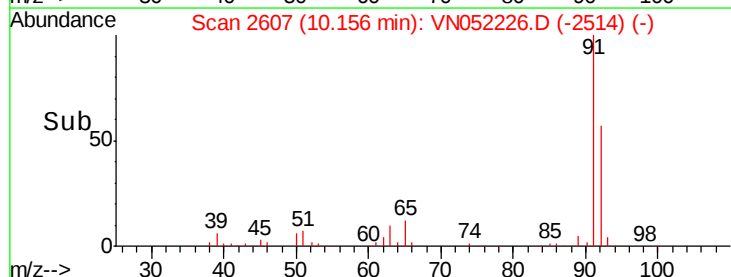
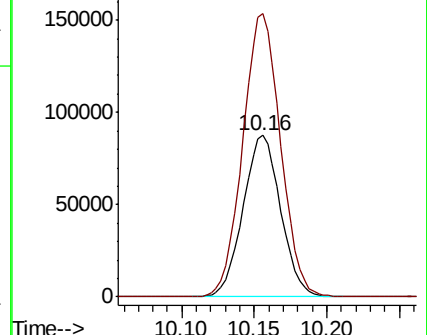
92 100

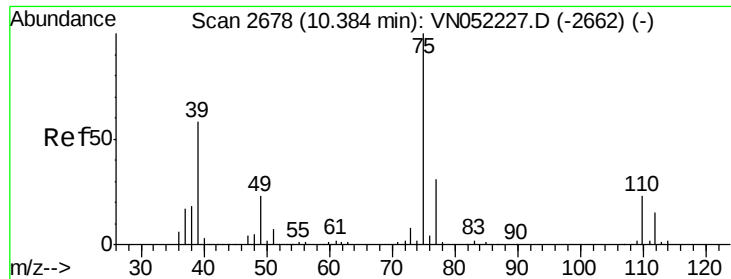
91 176.4 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.512 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampled :

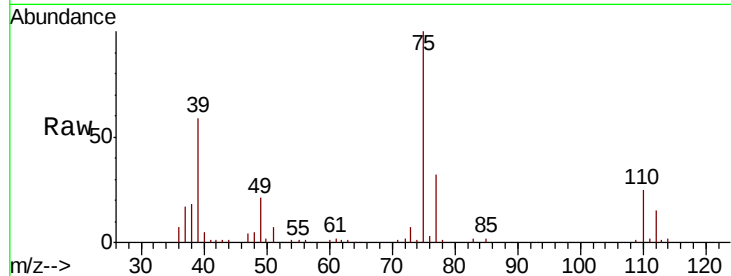
VSTDIC020

Tgt Ion: 75 Resp: 83317

Ion Ratio Lower Upper

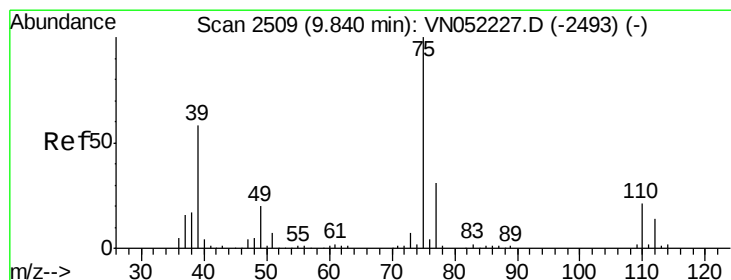
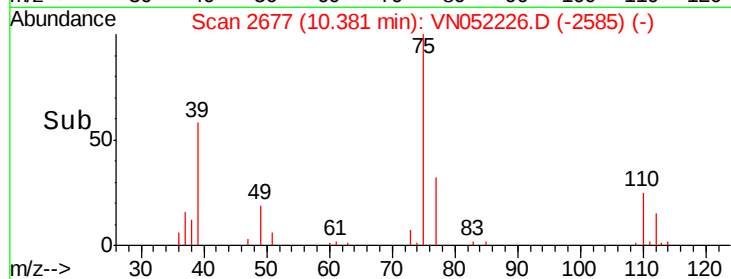
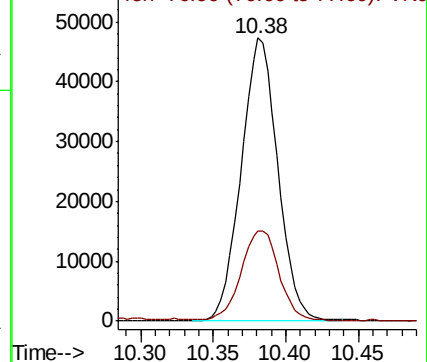
75 100

77 31.8 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.705 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

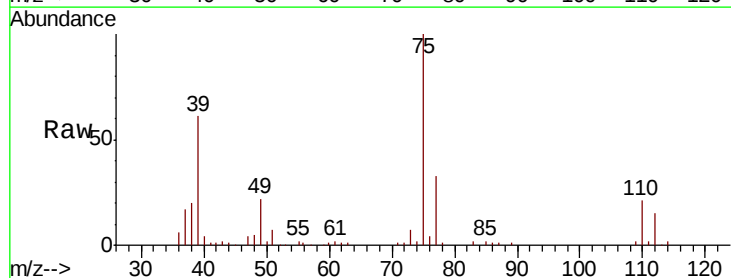
Tgt Ion: 75 Resp: 99378

Ion Ratio Lower Upper

75 100

77 33.0 25.2 37.8

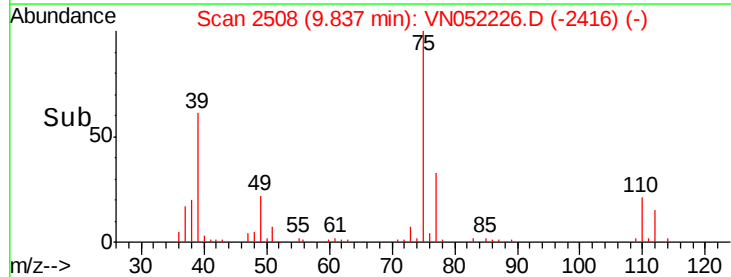
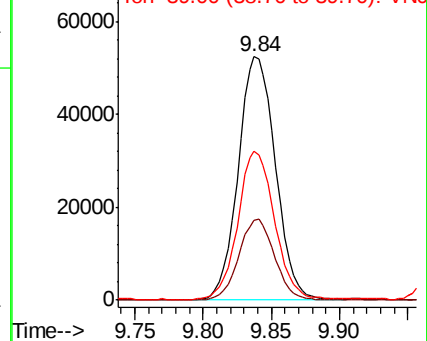
39 60.7 46.6 70.0

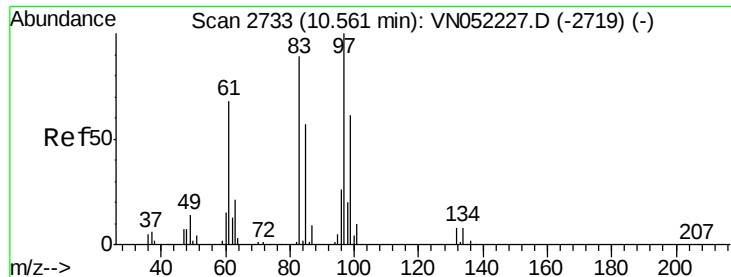


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

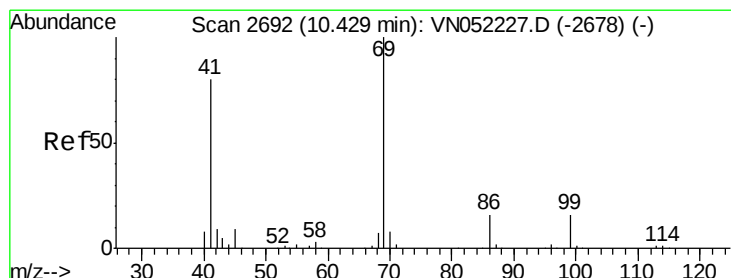
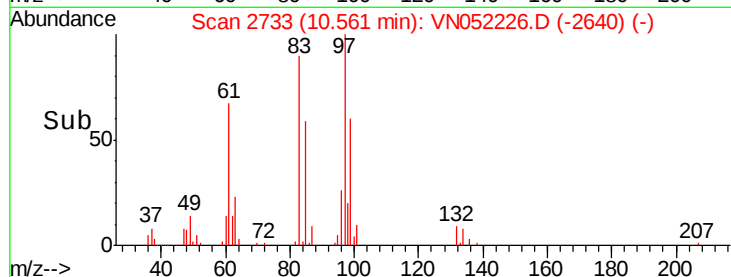
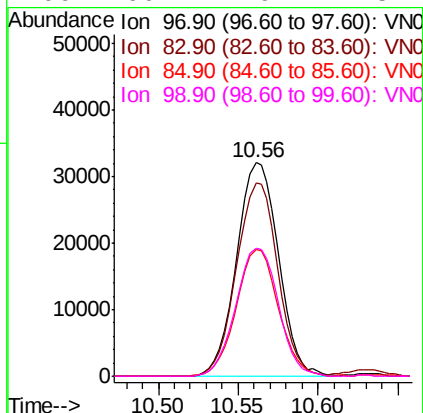
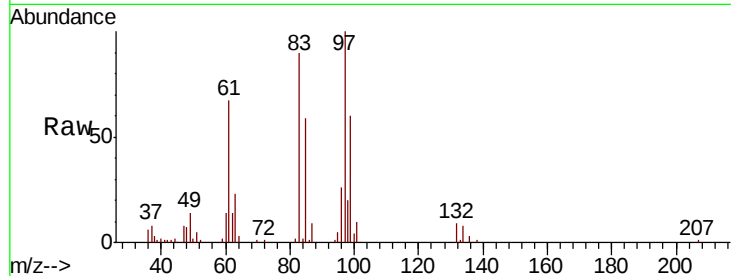




#55
 1,1,2-Trichloroethane
 Concen: 19.151 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

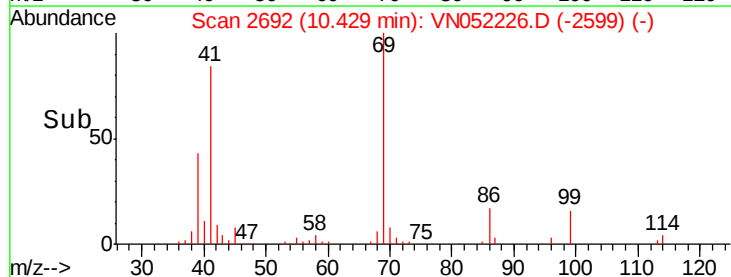
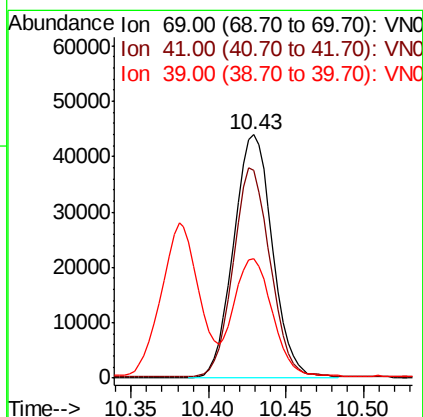
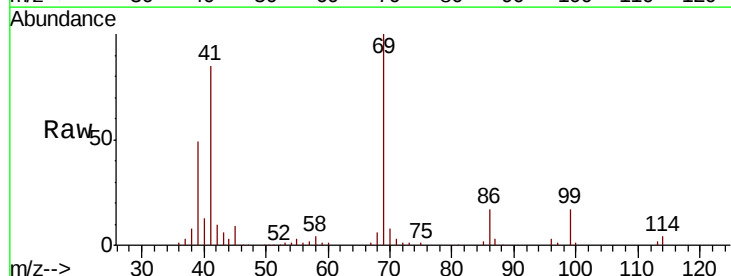
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

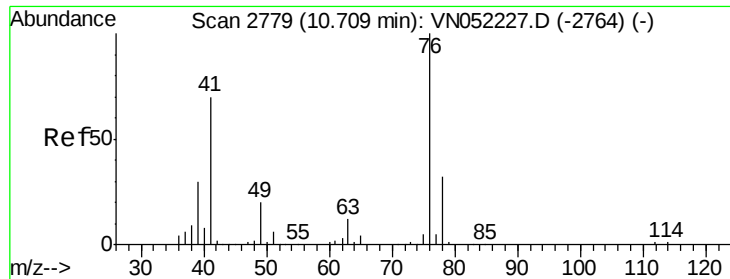
Tgt Ion: 97 Resp: 57278
 Ion Ratio Lower Upper
 97 100
 83 90.2 71.2 106.8
 85 59.3 45.6 68.4
 99 60.2 49.1 73.7



#56
 Ethyl methacrylate
 Concen: 19.058 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion: 69 Resp: 77038
 Ion Ratio Lower Upper
 69 100
 41 80.8 64.0 96.0
 39 48.1 37.8 56.8





#57

1,3-Dichloropropane

Concen: 19.159 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

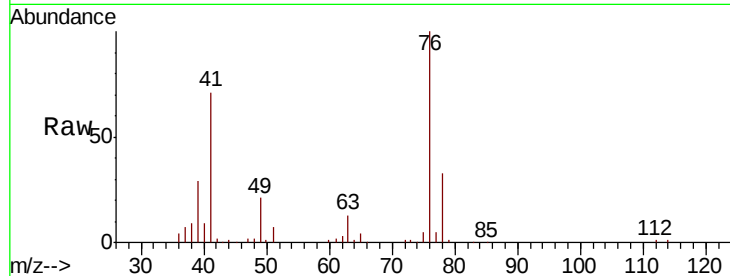
VSTDIC020

Tgt Ion: 76 Resp: 102579

Ion Ratio Lower Upper

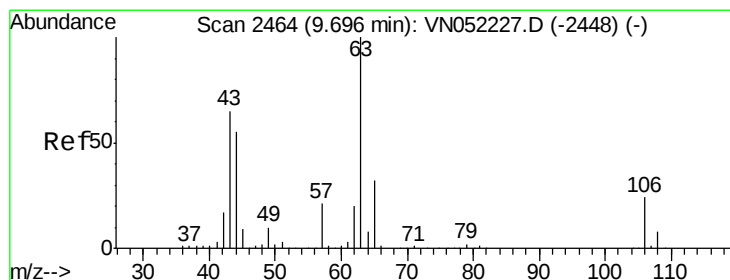
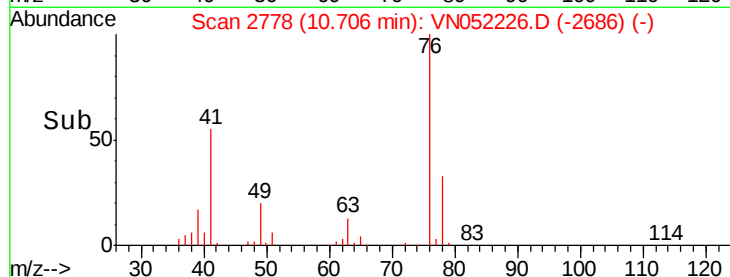
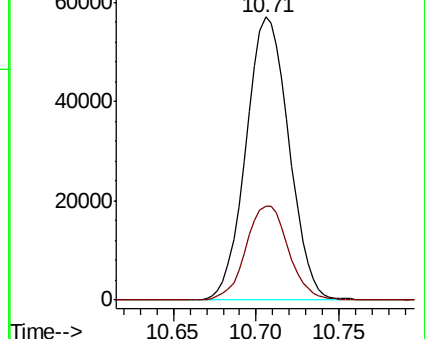
76 100

78 33.1 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: 99.460 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052226.D

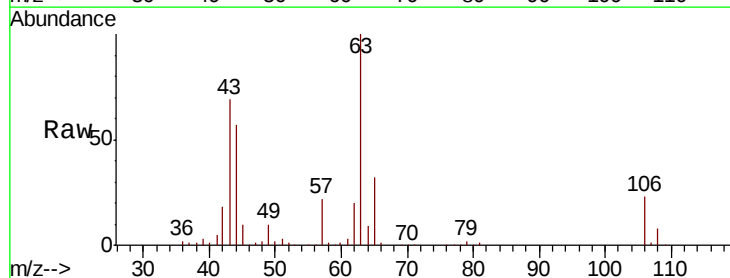
Acq: 9 Nov 2018 14:33

Tgt Ion: 63 Resp: 222616

Ion Ratio Lower Upper

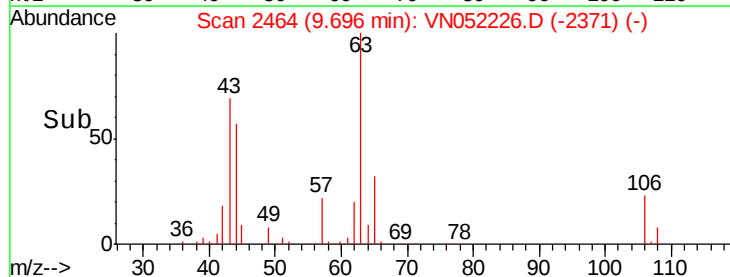
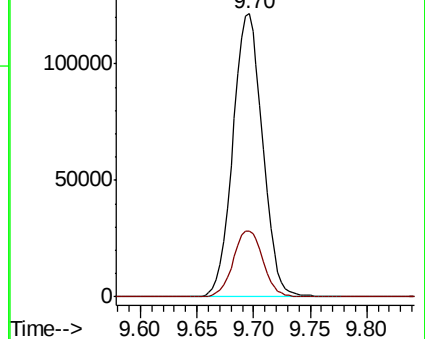
63 100

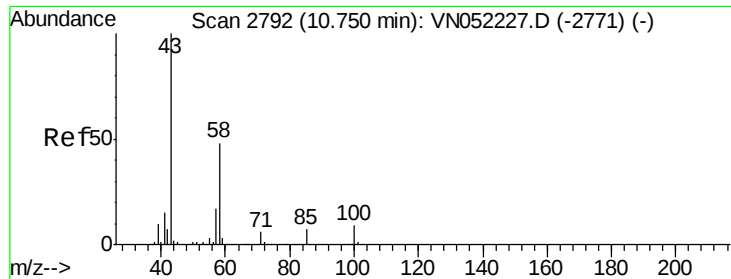
106 23.4 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 96.863 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

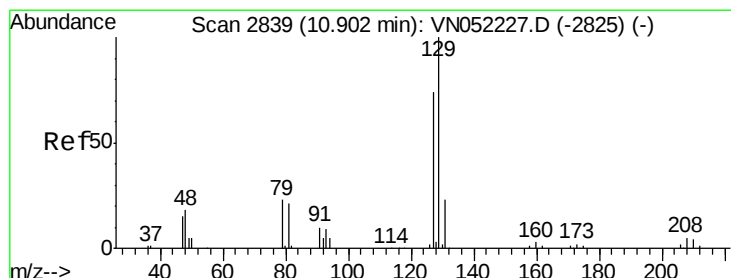
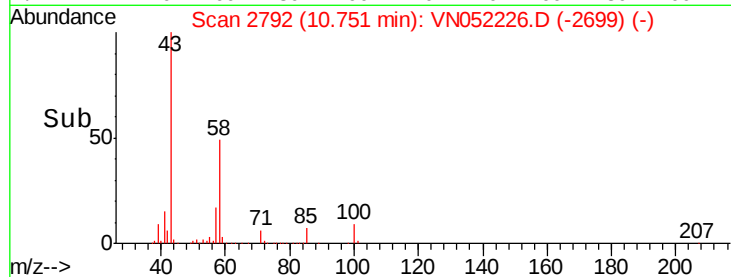
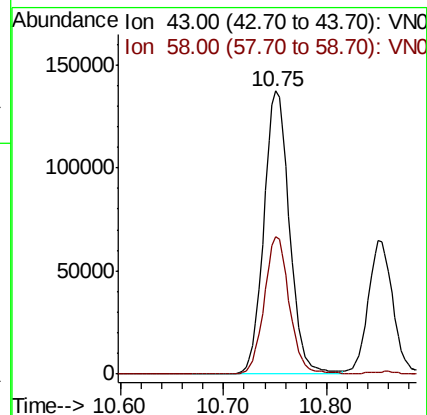
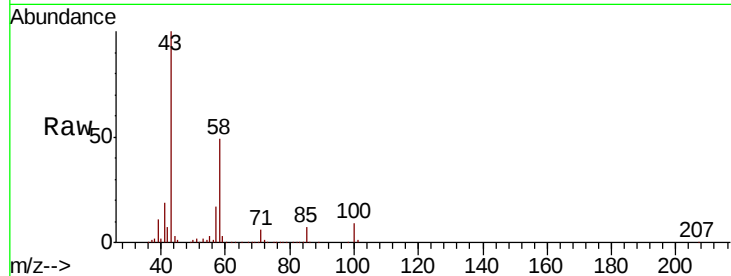
VSTDIC020

Tgt Ion: 43 Resp: 235872

Ion Ratio Lower Upper

43 100

58 47.7 24.1 72.3



#60

Dibromochloromethane

Concen: 19.311 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052226.D

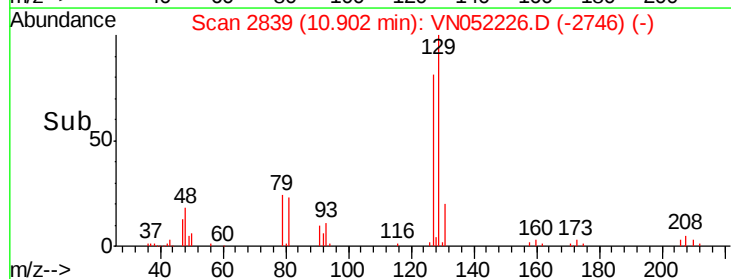
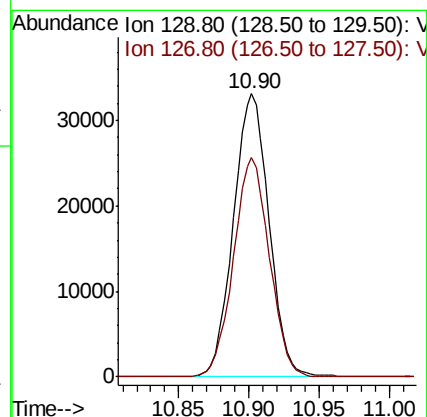
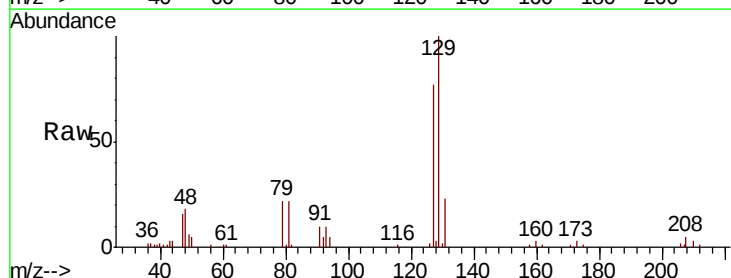
Acq: 9 Nov 2018 14:33

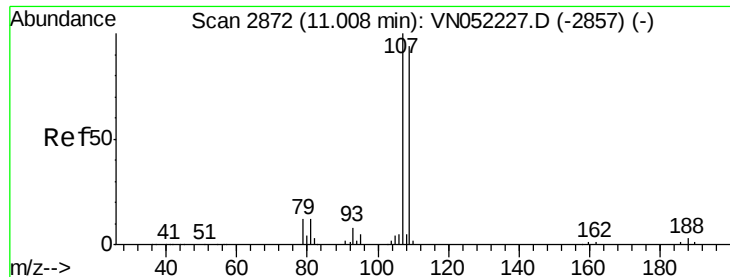
Tgt Ion: 129 Resp: 58585

Ion Ratio Lower Upper

129 100

127 77.8 38.0 114.1





#61

1,2-Dibromoethane

Concen: 19.218 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

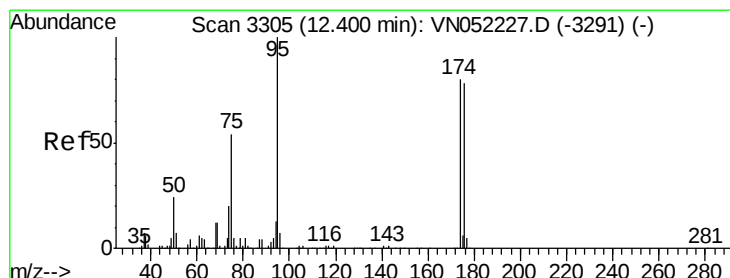
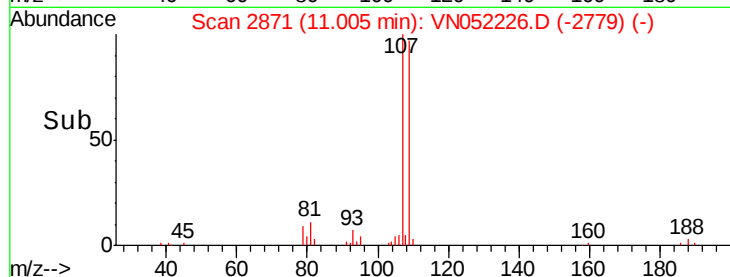
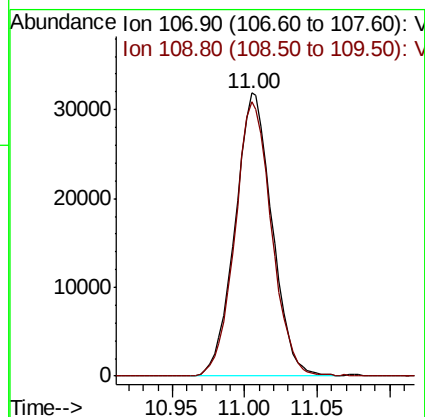
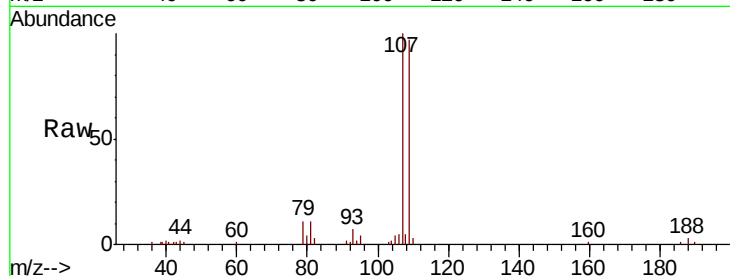
VSTDIC020

Tgt Ion: 107 Resp: 56490

Ion Ratio Lower Upper

107 100

109 95.7 75.8 113.6



#62

4-Bromofluorobenzene

Concen: 19.218 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

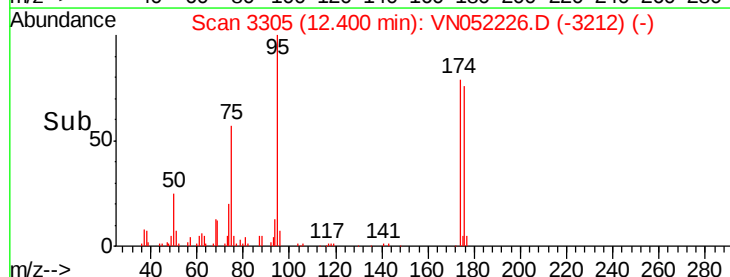
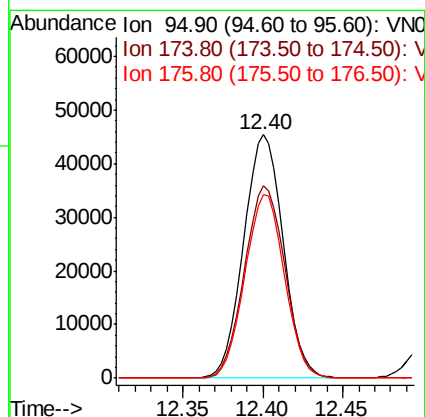
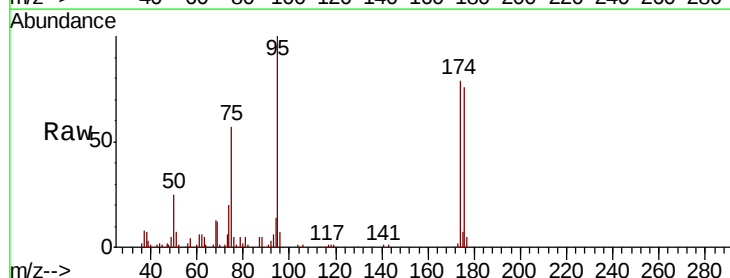
Tgt Ion: 95 Resp: 76797

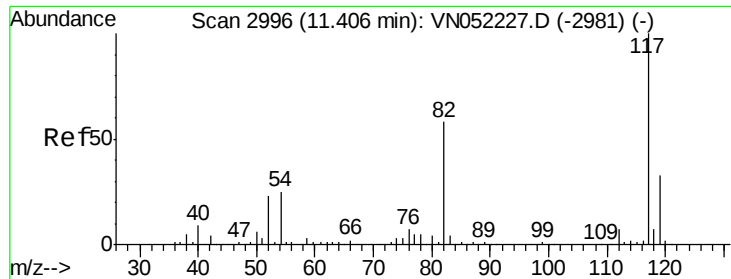
Ion Ratio Lower Upper

95 100

174 80.6 0.0 159.4

176 75.6 0.0 157.8

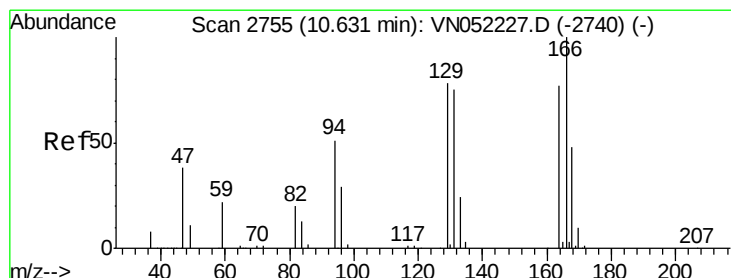
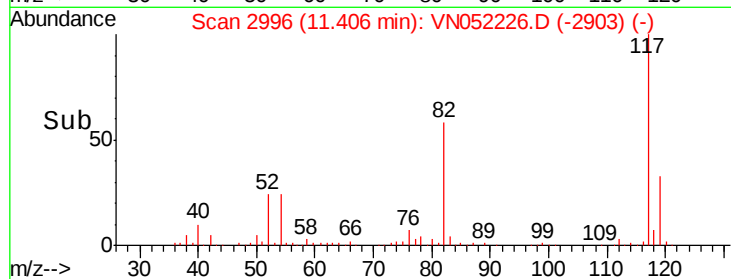
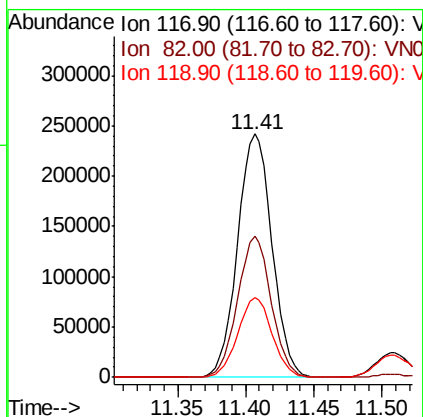
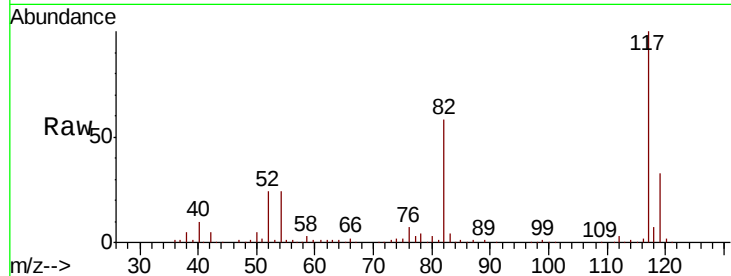




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

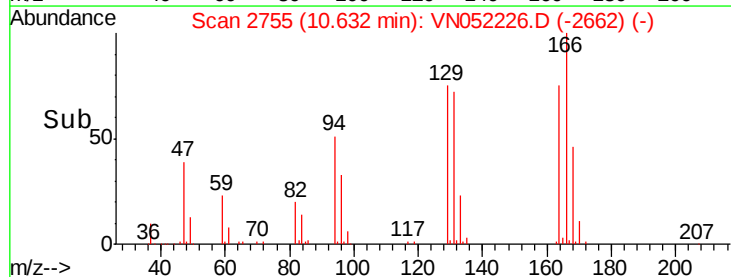
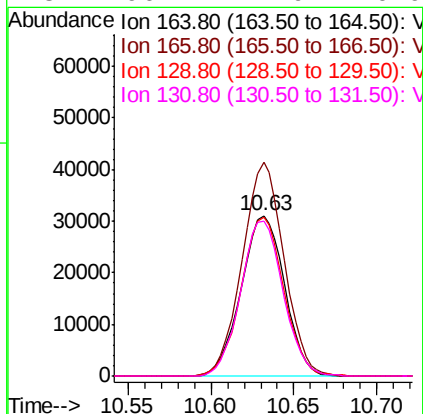
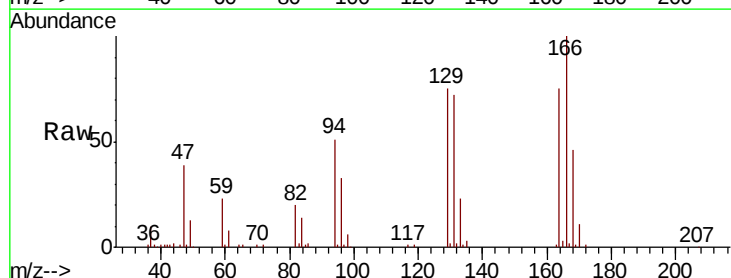
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

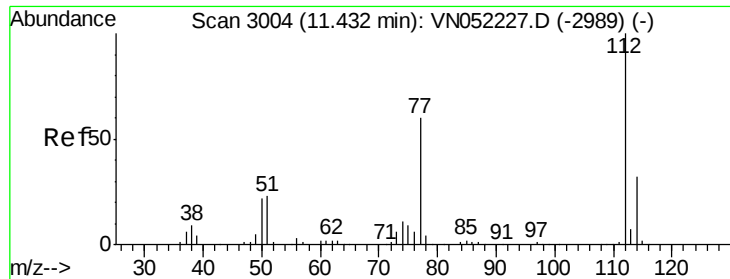
Tgt Ion:117 Resp: 423248
Ion Ratio Lower Upper
117 100
82 57.8 46.2 69.2
119 32.7 26.2 39.4



#64
Tetrachloroethene
Concen: 19.069 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion:164 Resp: 56508
Ion Ratio Lower Upper
164 100
166 133.1 103.6 155.4
129 99.3 81.0 121.6
131 96.4 77.9 116.9

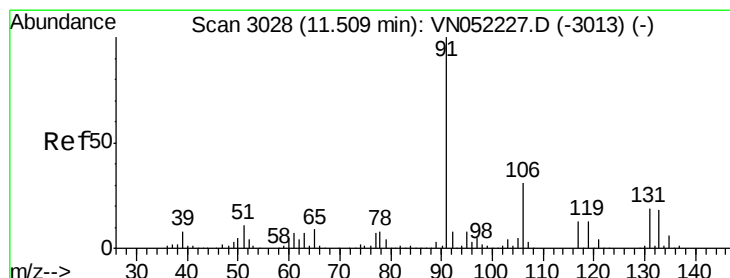
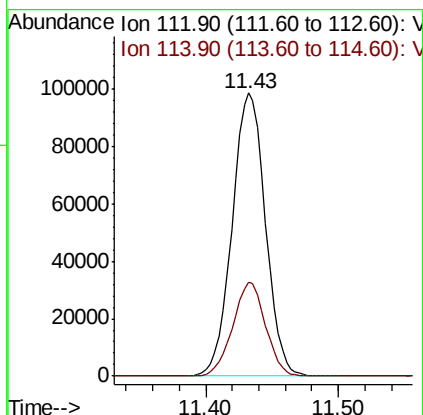
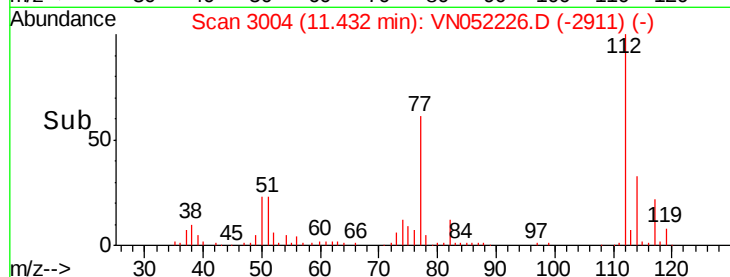
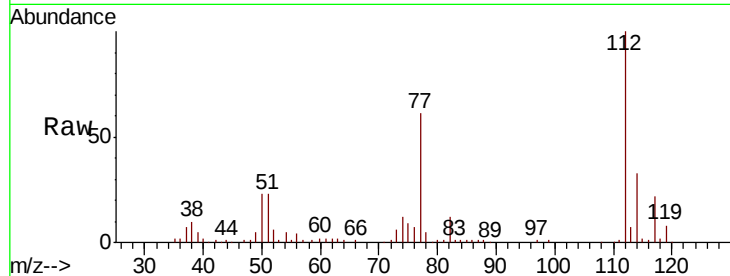




#65
Chlorobenzene
Concen: 19.110 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

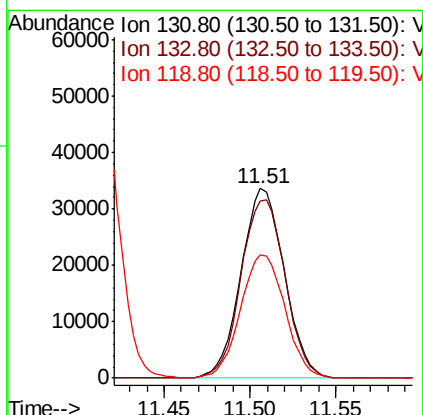
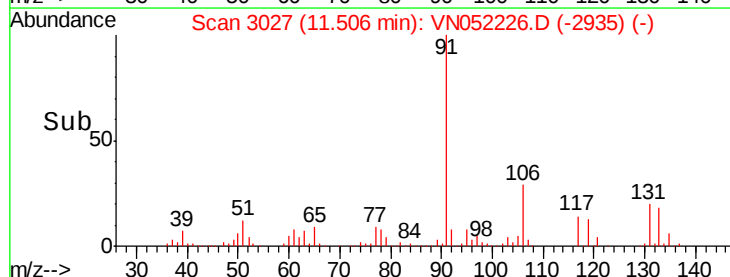
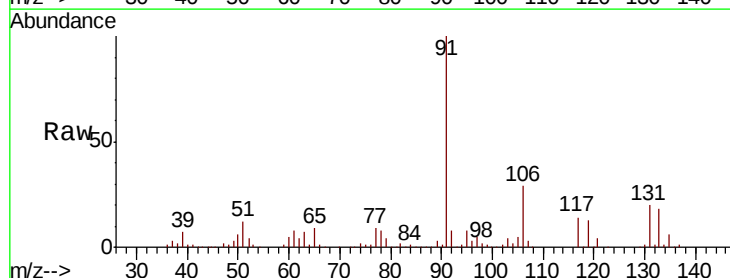
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

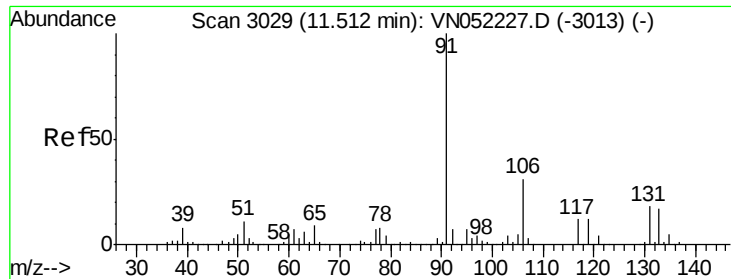
Tgt Ion:112 Resp: 171384
Ion Ratio Lower Upper
112 100
114 33.2 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.364 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion:131 Resp: 58824
Ion Ratio Lower Upper
131 100
133 95.9 48.3 144.9
119 66.9 34.6 103.9

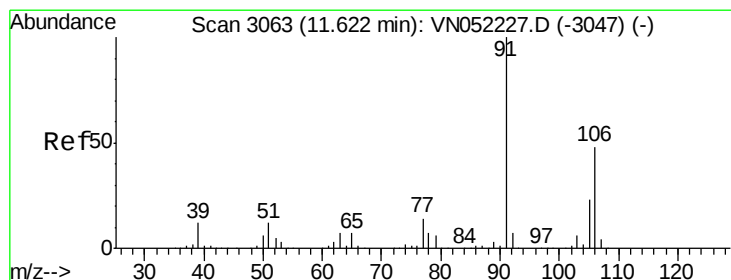
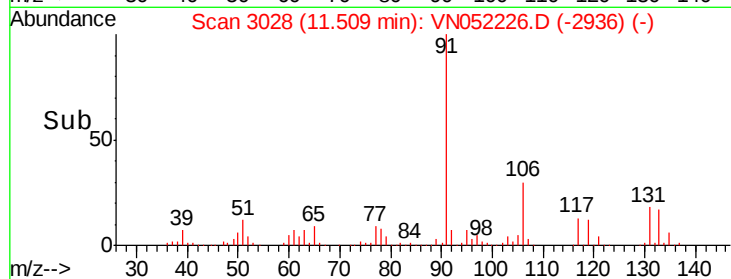
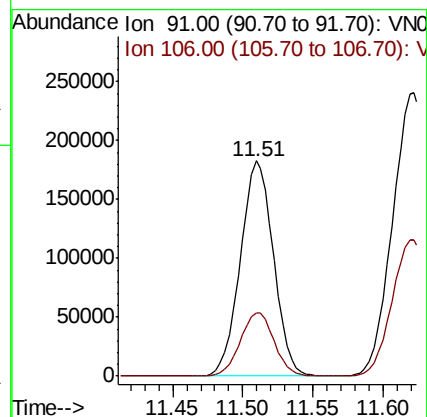
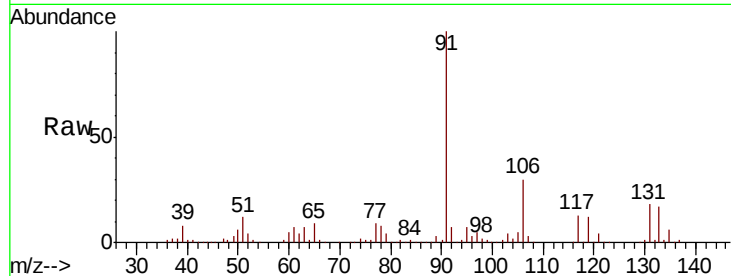




#67
Ethyl Benzene
Concen: 19.111 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

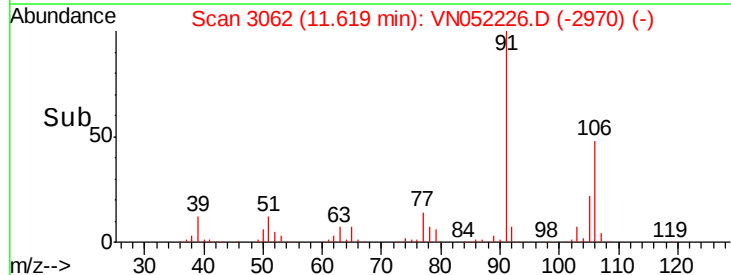
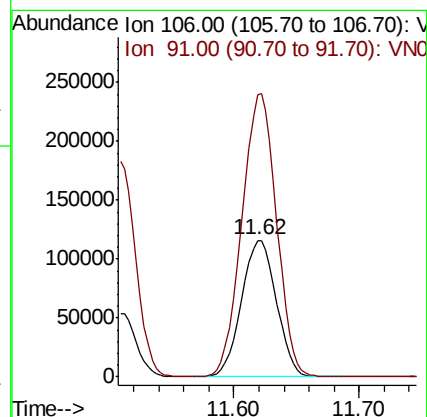
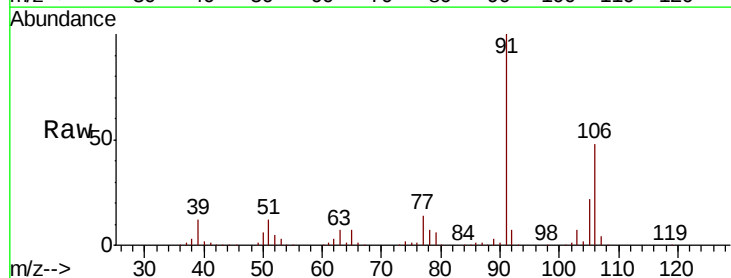
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

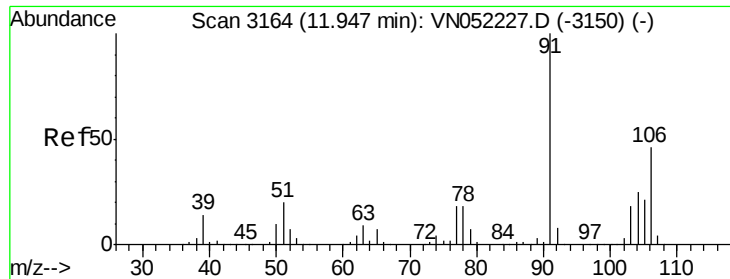
Tgt Ion: 91 Resp: 301474
Ion Ratio Lower Upper
91 100
106 29.5 24.7 37.1



#68
m/p-Xylenes
Concen: 38.219 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion: 106 Resp: 224524
Ion Ratio Lower Upper
106 100
91 205.2 165.7 248.5

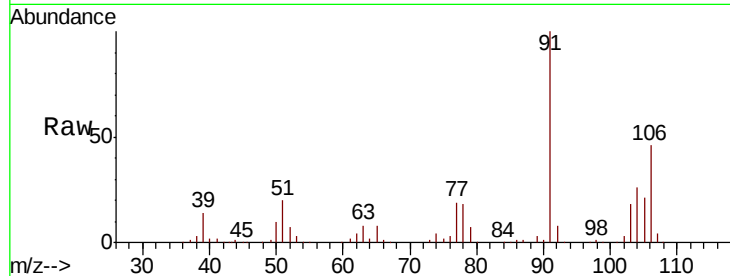




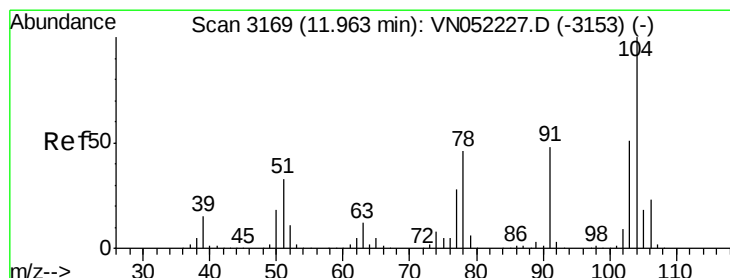
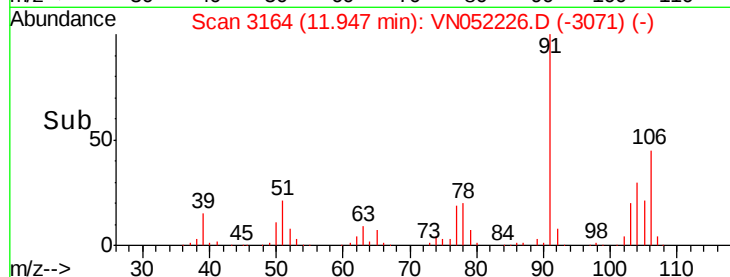
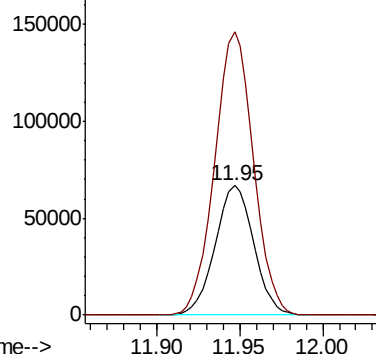
#69
o-Xylene
Concen: 19.316 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 108413
Ion Ratio Lower Upper
106 100
91 220.1 108.5 325.5

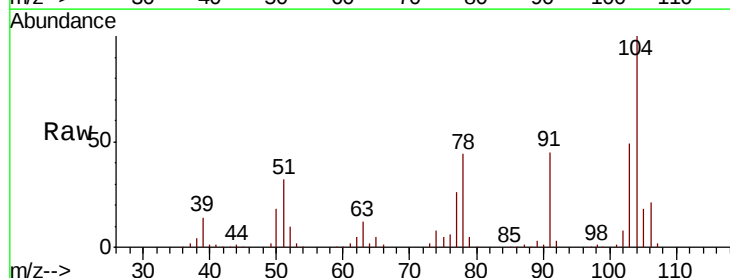


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

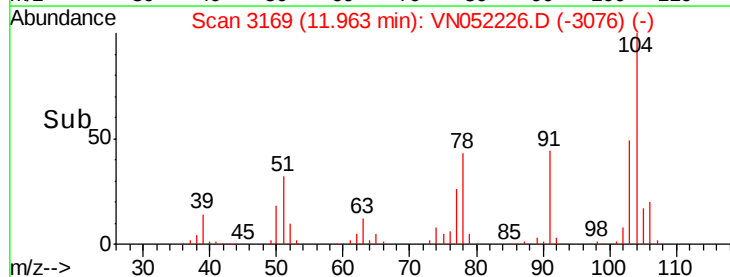
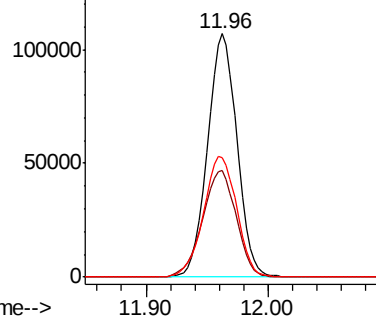


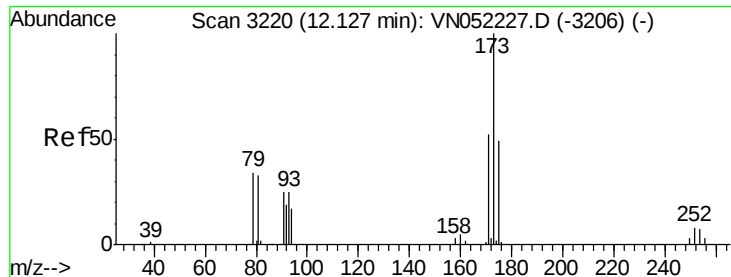
#70
Styrene
Concen: 19.627 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion:104 Resp: 177973
Ion Ratio Lower Upper
104 100
78 50.4 41.8 62.6
103 55.7 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

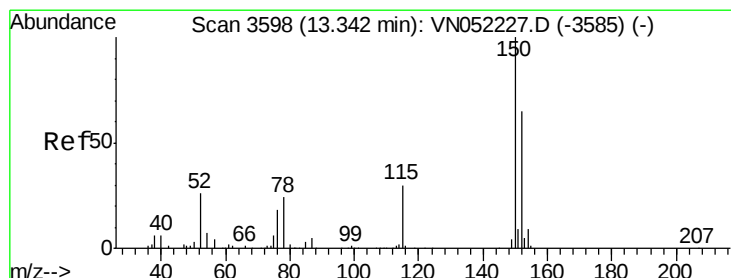
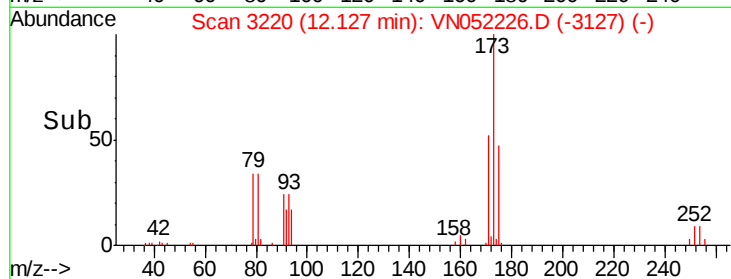
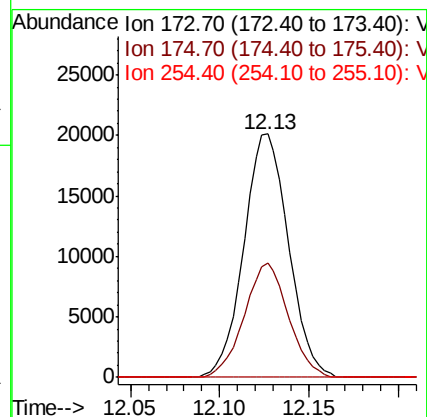
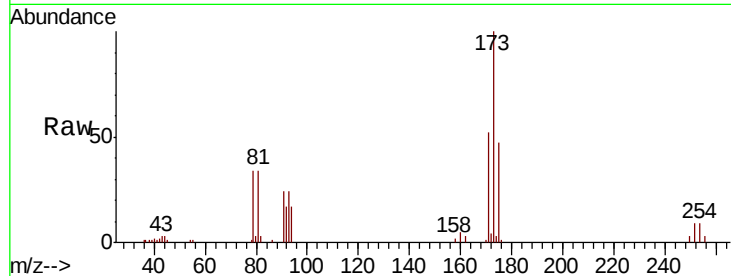




#71
Bromoform
Concen: 19.349 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

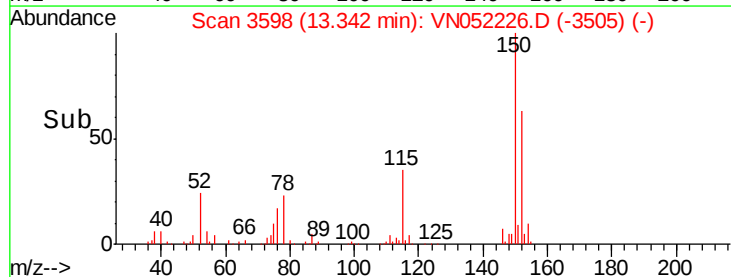
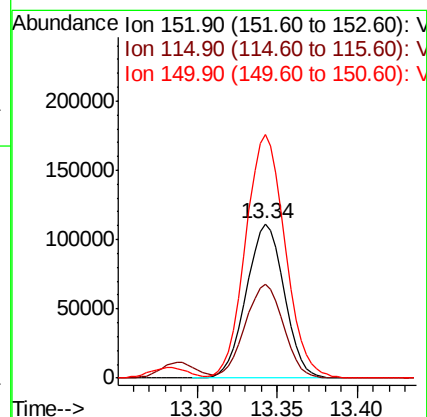
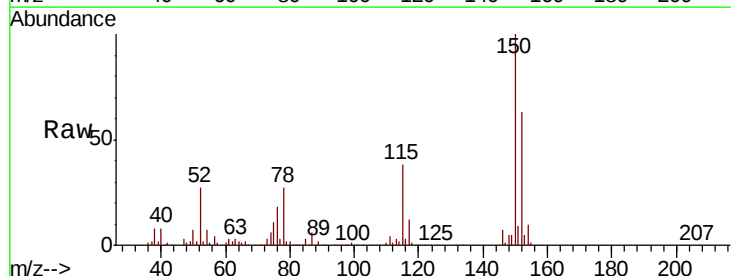
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

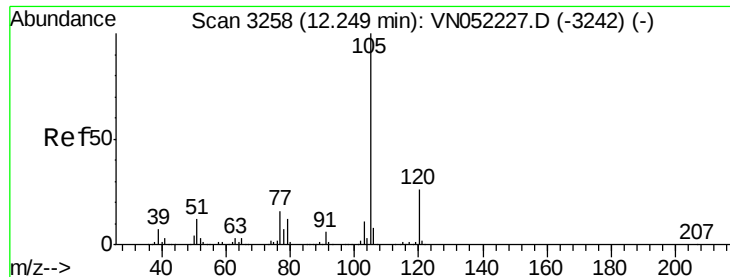
Tgt Ion:173 Resp: 35066
Ion Ratio Lower Upper
173 100
175 46.3 24.5 73.5
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion:152 Resp: 180416
Ion Ratio Lower Upper
152 100
115 61.4 29.8 89.5
150 164.8 0.0 350.2





#73

Isopropylbenzene

Concen: 19.609 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

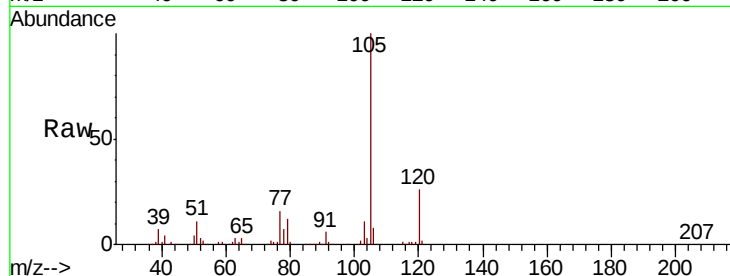
VSTDIC020

Tgt Ion: 105 Resp: 289198

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200000

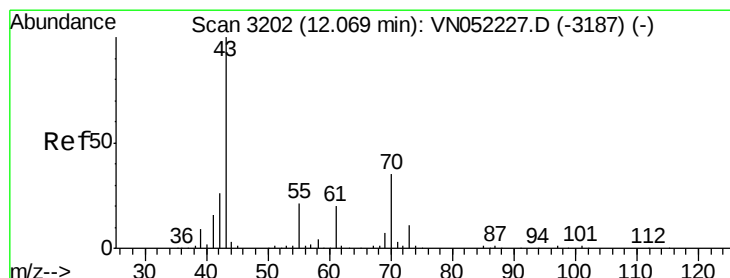
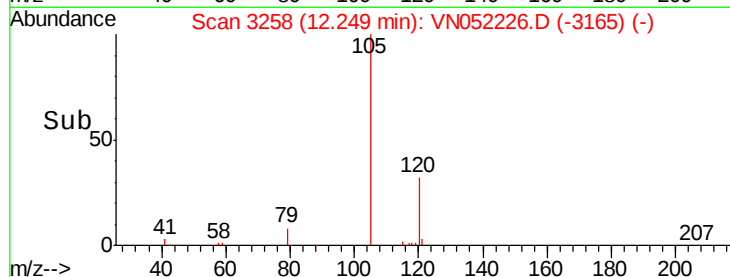
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.469 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Tgt Ion: 43 Resp: 104240

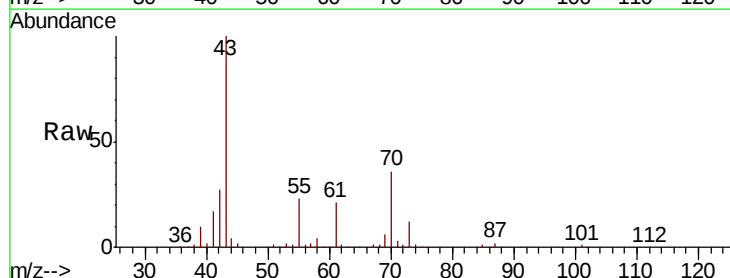
Ion Ratio Lower Upper

43 100

70 35.4 28.2 42.2

55 23.9 17.4 26.2

61 21.6 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

100000

80000

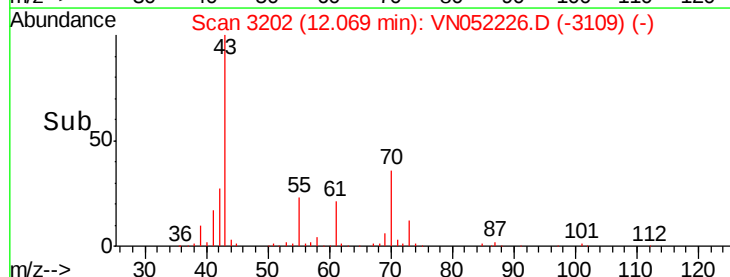
60000

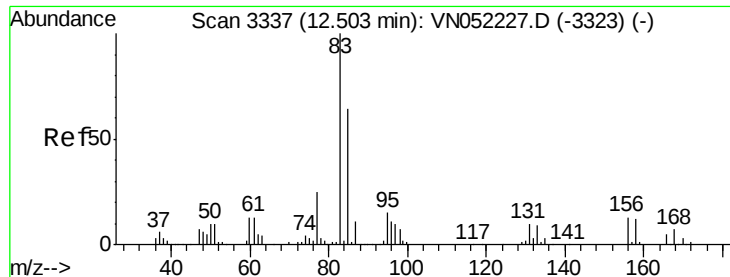
40000

20000

0

Time--> 12.00 12.10

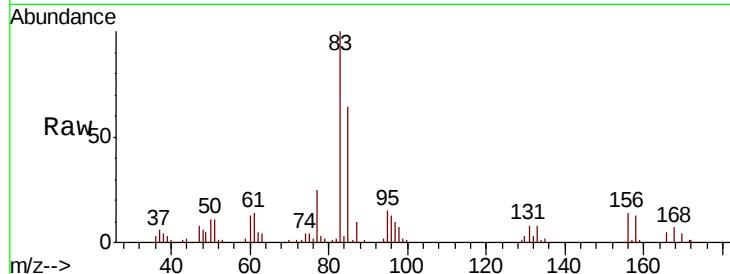




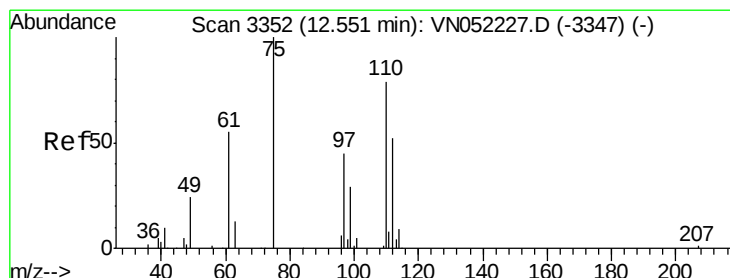
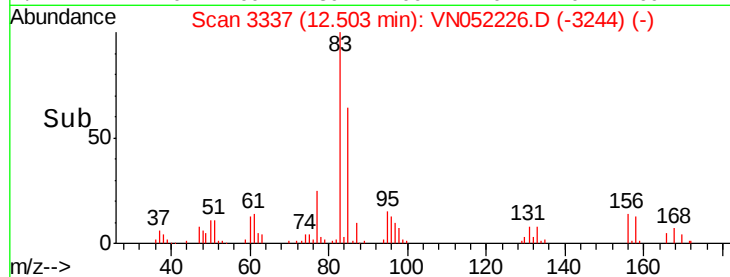
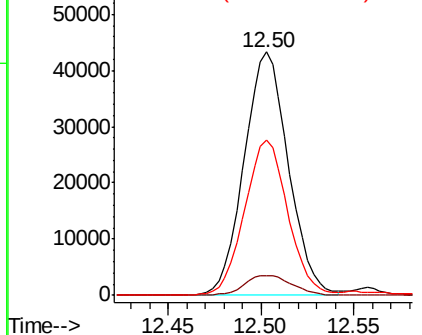
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.959 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 83 Resp: 72165
 Ion Ratio Lower Upper
 83 100
 131 8.8 5.1 15.2
 85 62.3 32.4 97.2

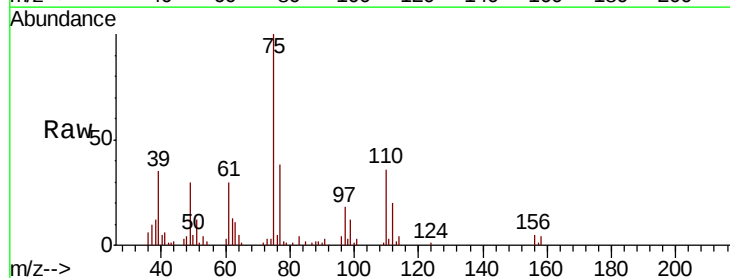


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 130.80 (130.50 to 131.50): V
 Ion 84.90 (84.60 to 85.60): VN0

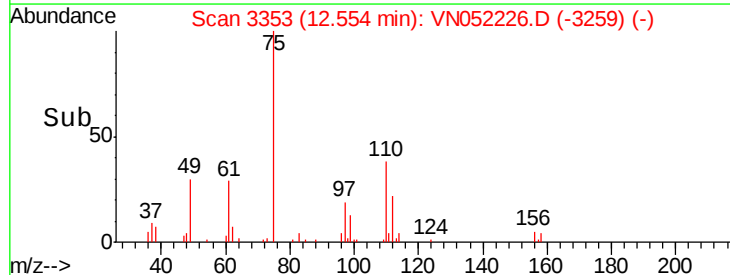
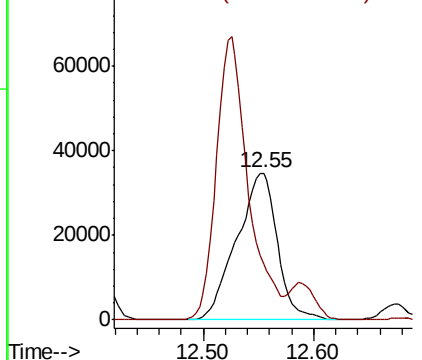


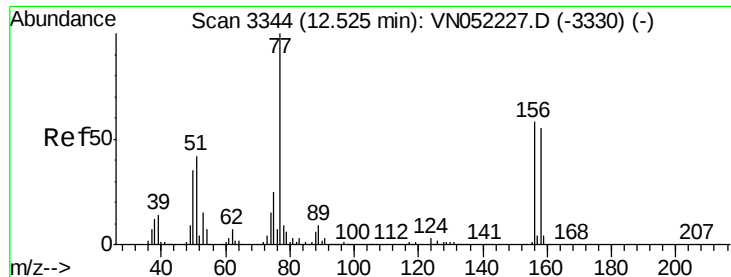
#76
 1,2,3-Trichloropropane
 Concen: 30.636 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion: 75 Resp: 88674
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.533 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

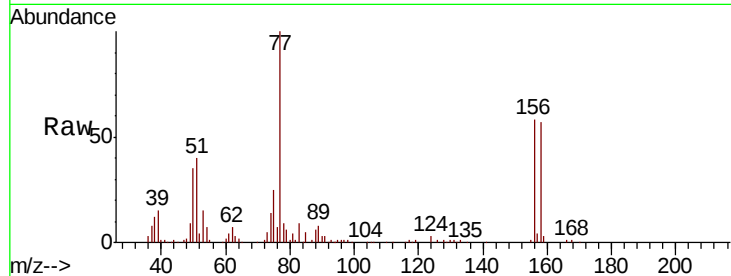
Tgt Ion:156 Resp: 67433

Ion Ratio Lower Upper

156 100

77 199.9 101.1 303.3

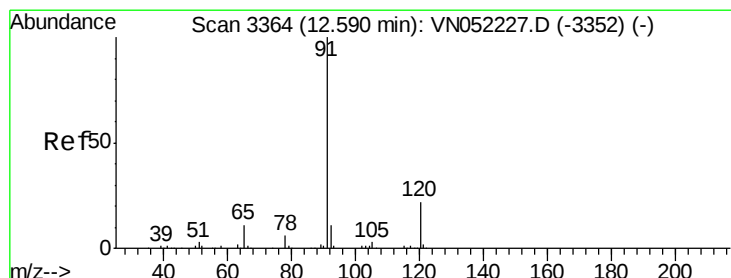
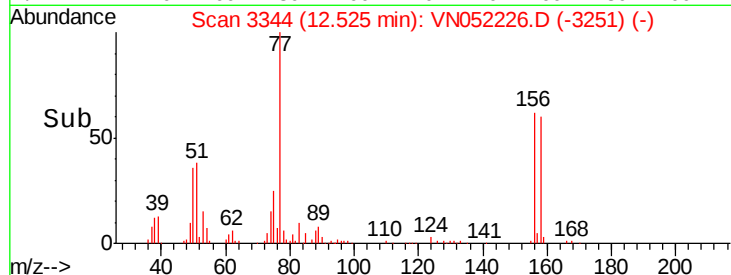
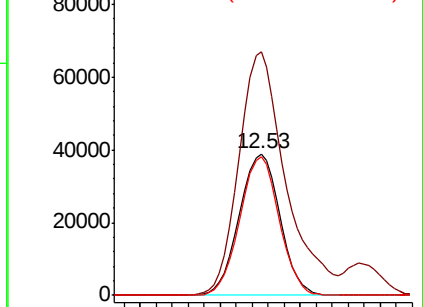
158 94.9 47.8 143.3



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: 19.533 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052226.D

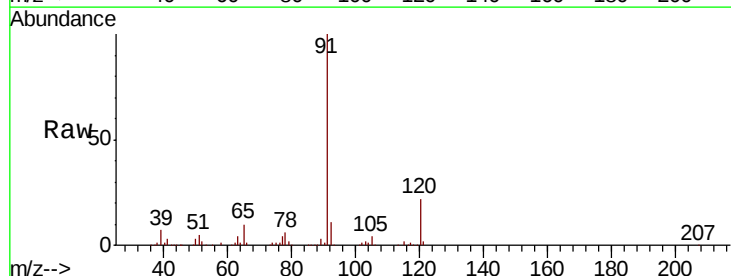
Acq: 9 Nov 2018 14:33

Tgt Ion: 91 Resp: 337396

Ion Ratio Lower Upper

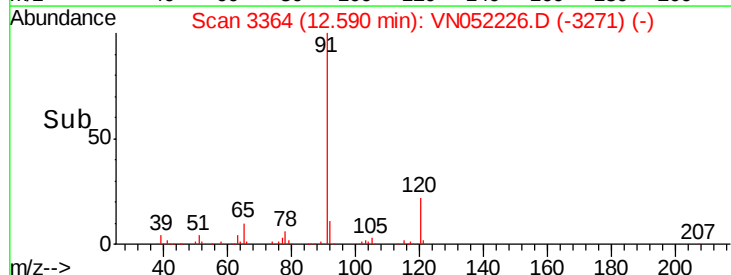
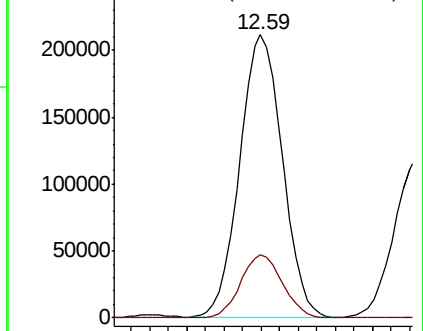
91 100

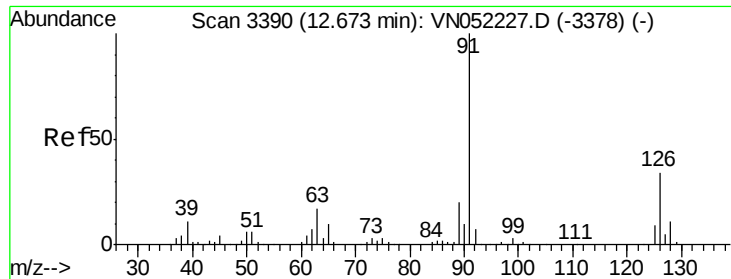
120 22.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

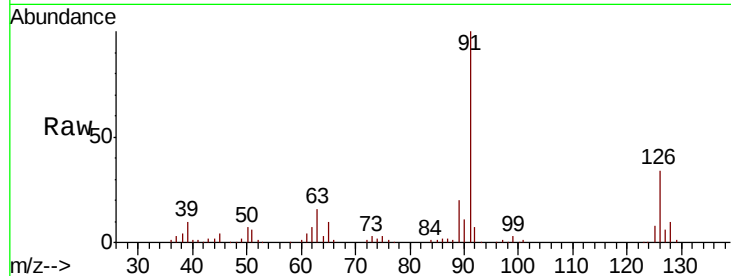




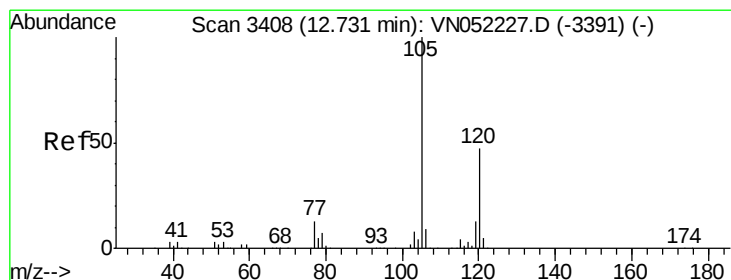
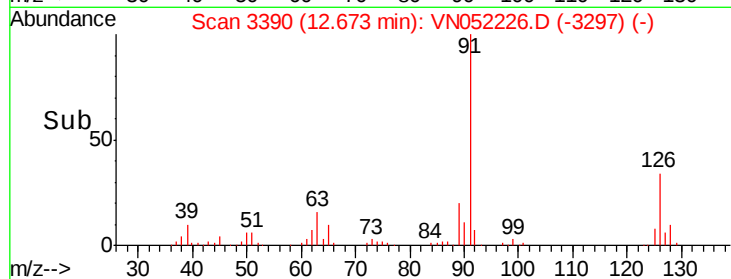
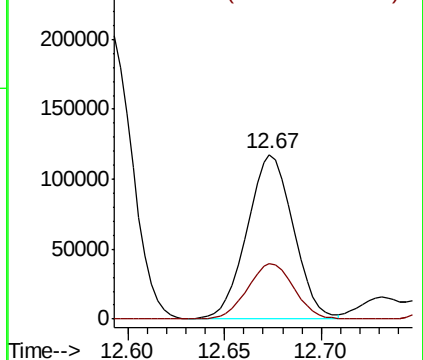
#79
2-Chlorotoluene
Concen: 19.417 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 194297
Ion Ratio Lower Upper
91 100
126 34.2 17.0 51.0

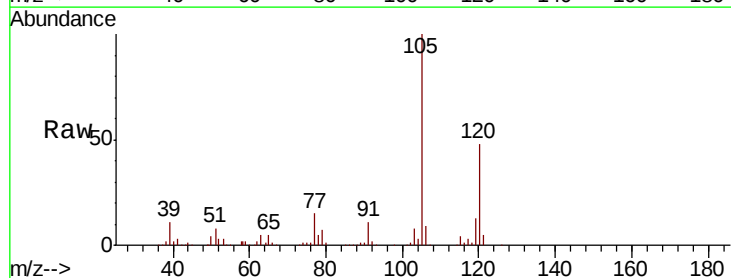


Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3378) (-)
Ion 125.90 (125.60 to 126.60): VN052227.D (-3378) (-)

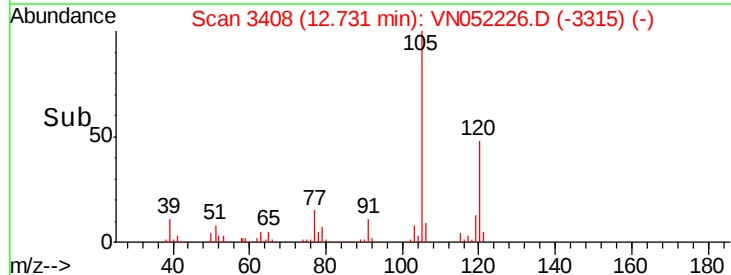
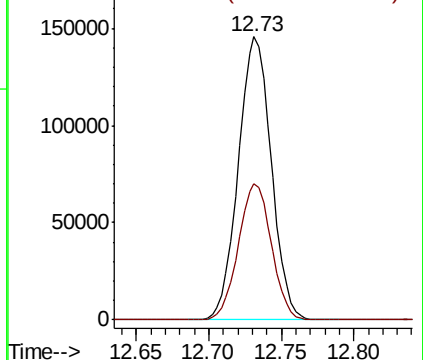


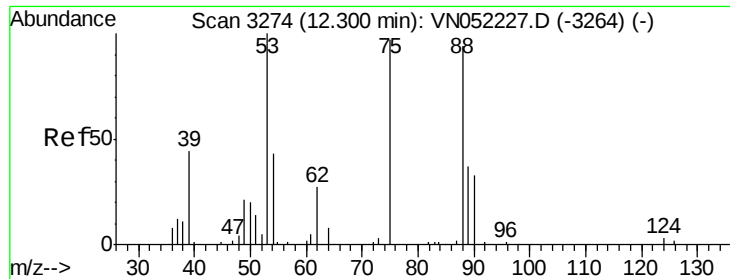
#80
1,3,5-Trimethylbenzene
Concen: 19.608 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion: 105 Resp: 229984
Ion Ratio Lower Upper
105 100
120 48.1 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VN052227.D (-3391) (-)
Ion 120.00 (119.70 to 120.70): VN052227.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.823 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

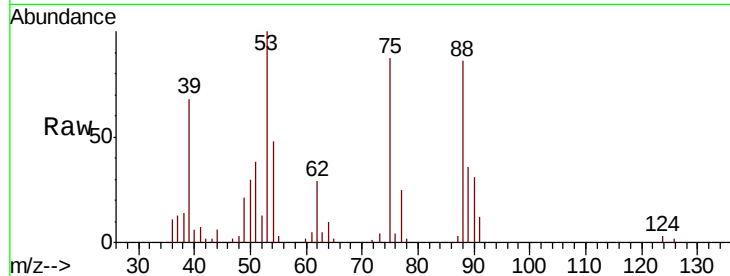
Tgt Ion: 75 Resp: 17602

Ion Ratio Lower Upper

75 100

53 120.2 84.0 126.0

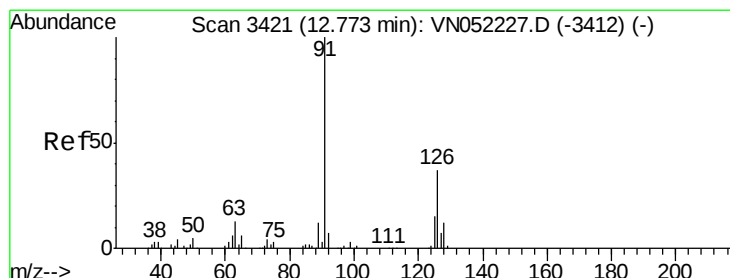
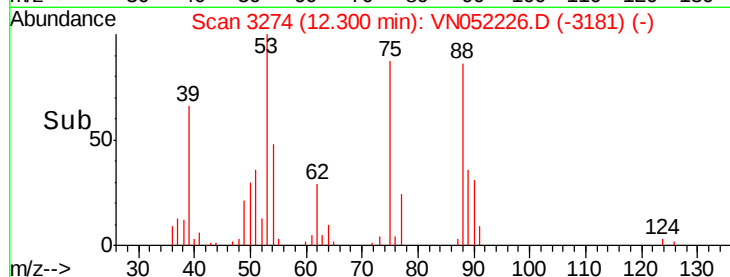
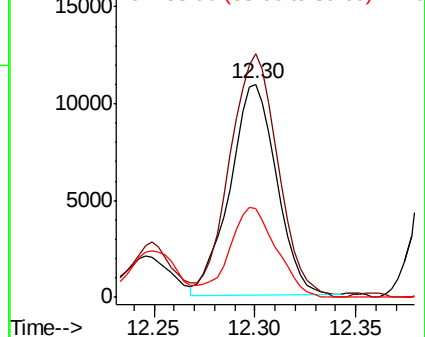
89 43.1 33.7 50.5



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052227.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052227.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 19.350 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052226.D

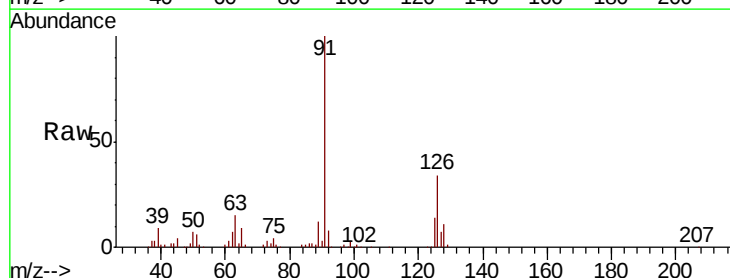
Acq: 9 Nov 2018 14:33

Tgt Ion: 91 Resp: 194284

Ion Ratio Lower Upper

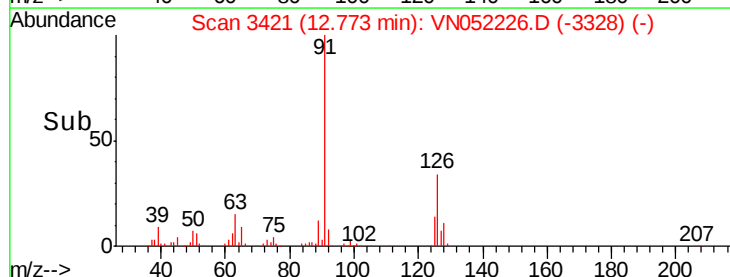
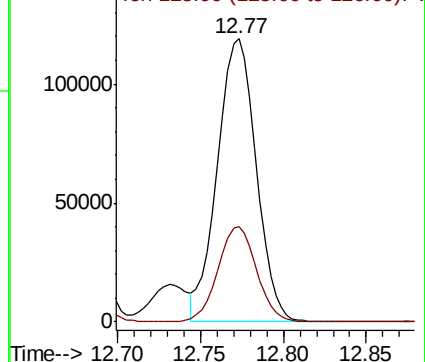
91 100

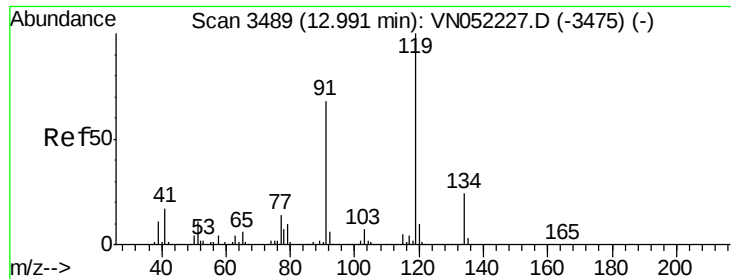
126 33.4 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN052227.D (-3412) (-)

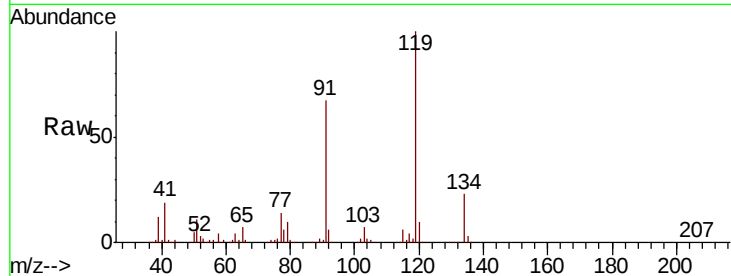




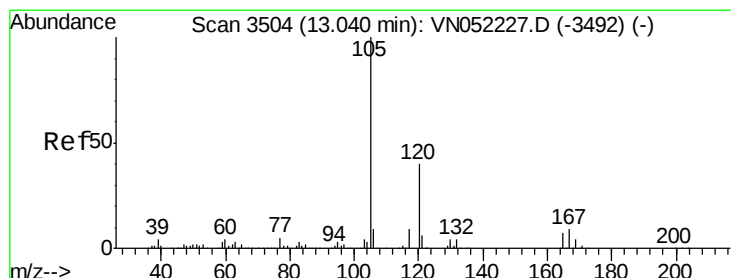
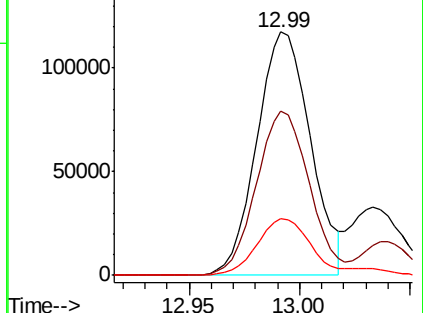
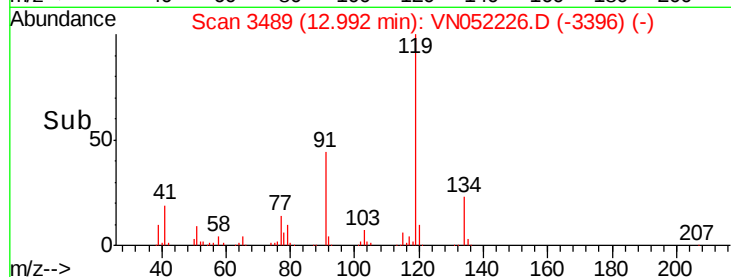
#83
 tert-Butylbenzene
 Concen: 19.388 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion:119 Resp: 198528
 Ion Ratio Lower Upper
 119 100
 91 66.5 33.5 100.4
 134 22.9 13.0 38.9

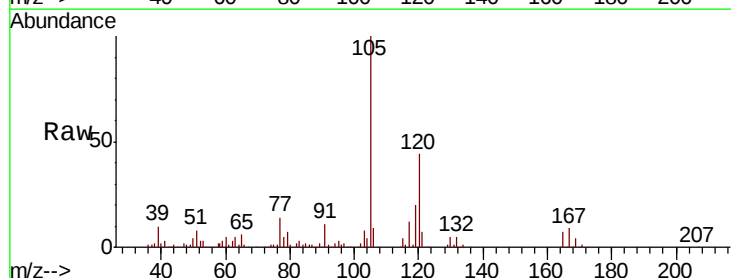


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

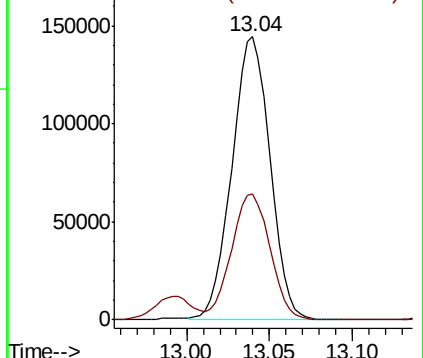
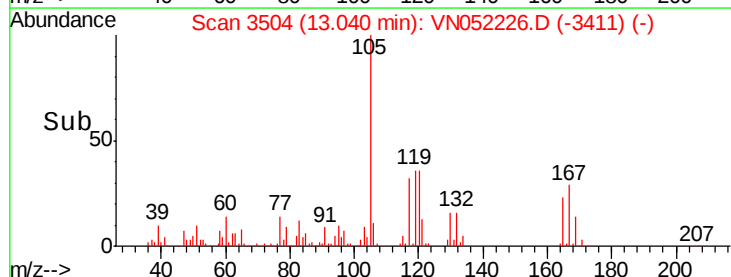


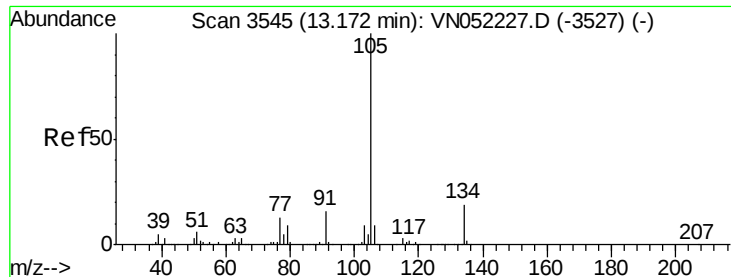
#84
 1,2,4-Trimethylbenzene
 Concen: 19.525 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion:105 Resp: 230903
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.7 68.1



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

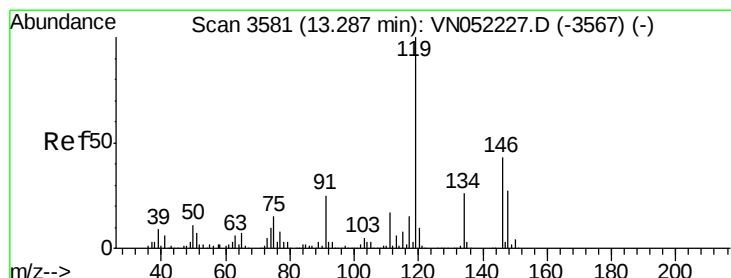
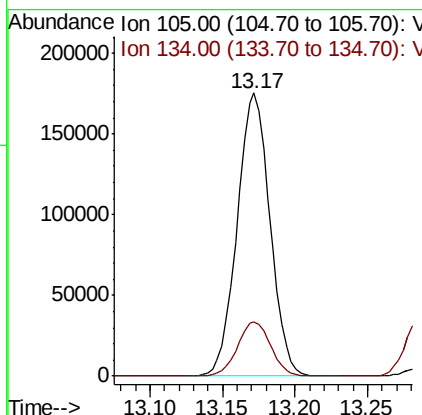
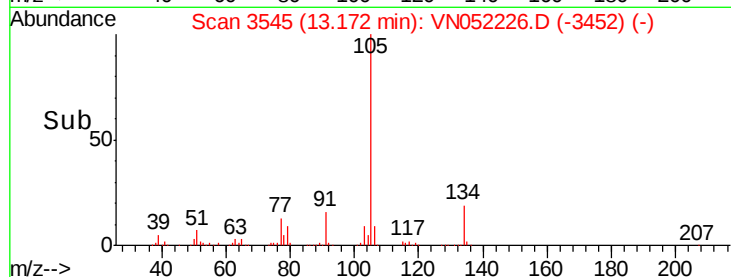
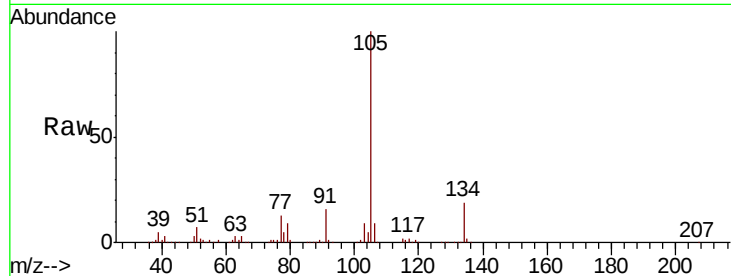




#85
 sec-Butylbenzene
 Concen: 19.625 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

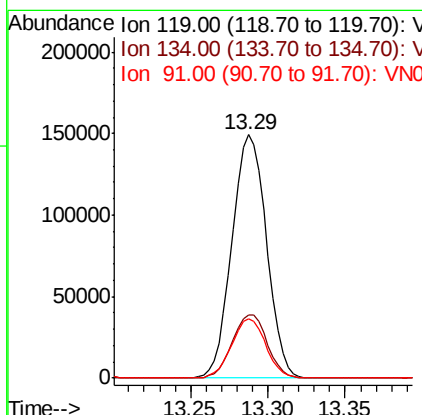
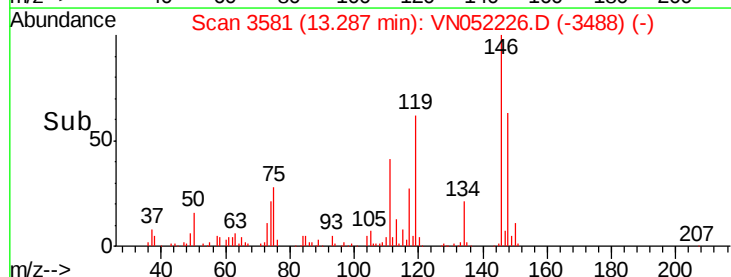
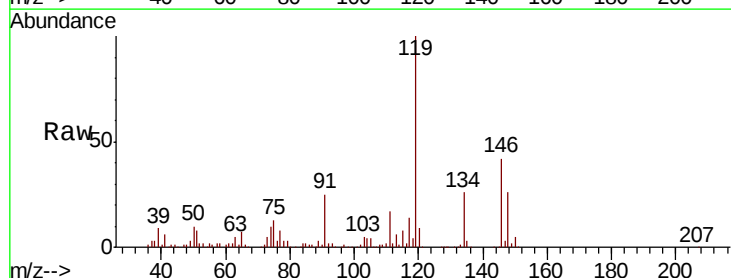
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

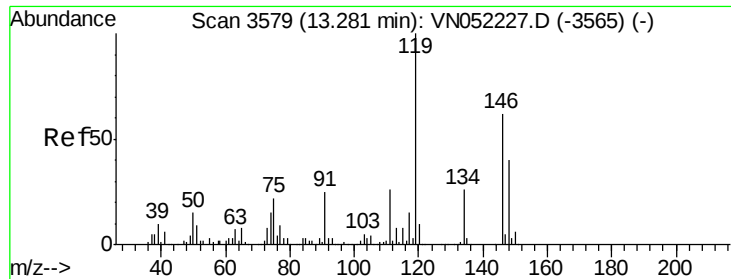
Tgt Ion:105 Resp: 275579
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 19.722 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion:119 Resp: 231693
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.6
 91 24.1 12.4 37.0

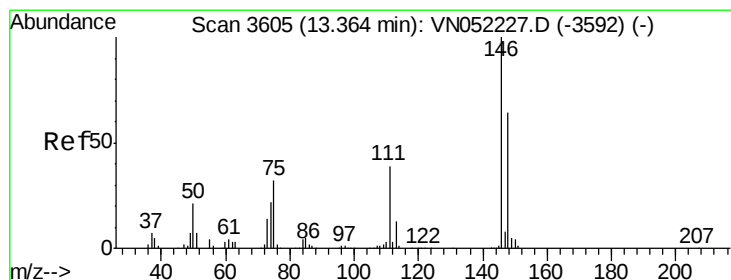
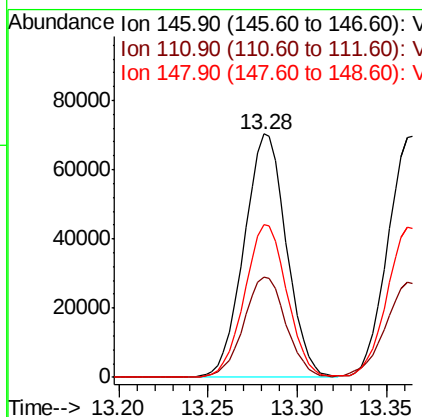
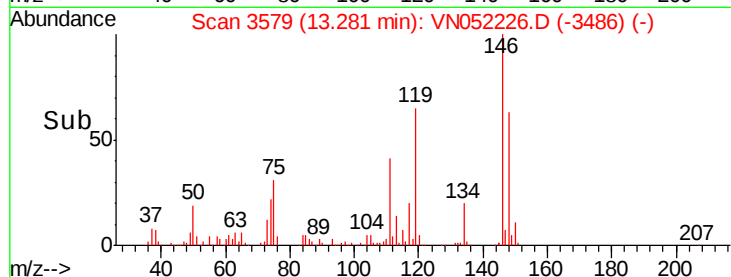
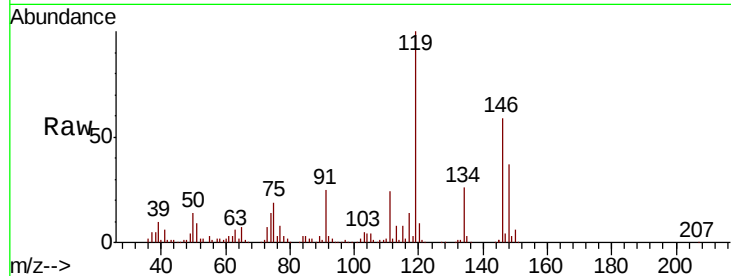




#87
 1,3-Dichlorobenzene
 Concen: 19.381 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

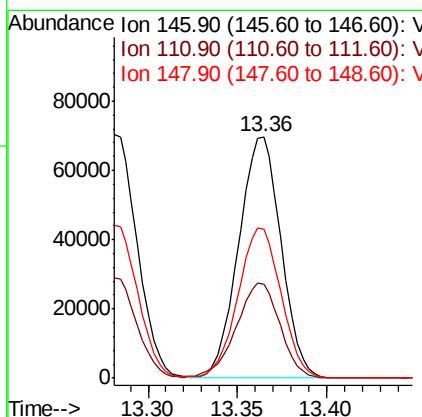
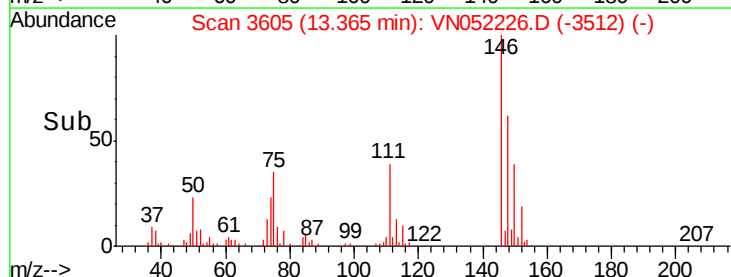
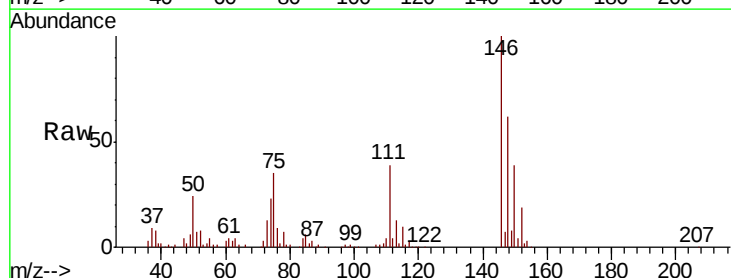
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

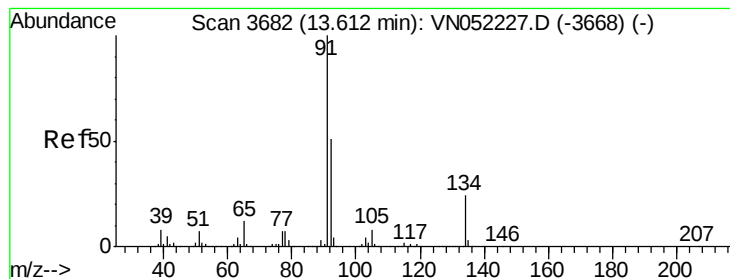
Tgt Ion:146 Resp: 116477
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.1 60.3
 148 62.7 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 19.265 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion:146 Resp: 115910
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.2 60.6
 148 63.1 32.1 96.3





#89

n-Butylbenzene

Concen: 18.958 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

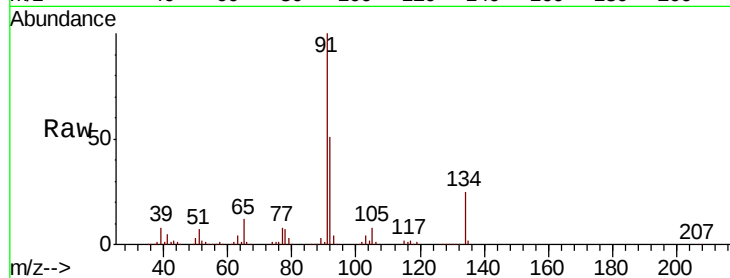
Tgt Ion: 91 Resp: 198321

Ion Ratio Lower Upper

91 100

92 51.9 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

150000

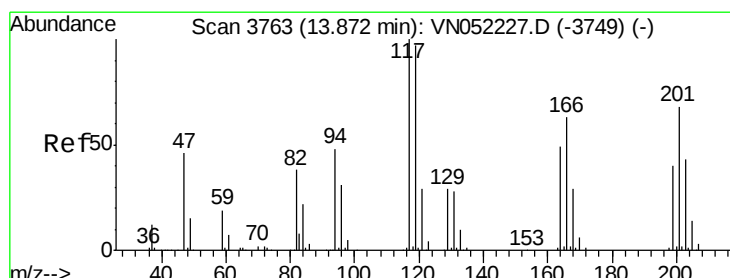
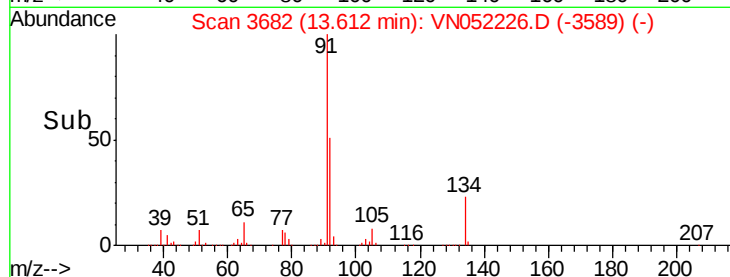
100000

50000

0

13.55 13.60 13.65

Time-->



#90

Hexachloroethane

Concen: 18.768 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN052226.D

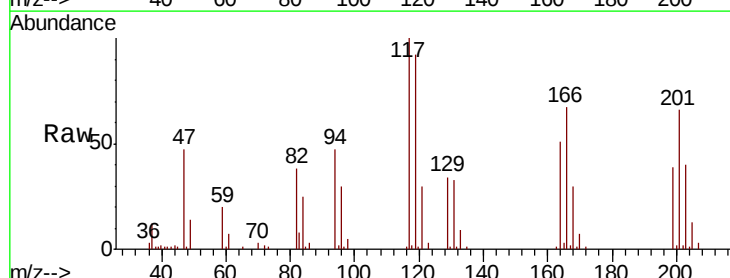
Acq: 9 Nov 2018 14:33

Tgt Ion: 117 Resp: 38698

Ion Ratio Lower Upper

117 100

201 69.2 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

25000

20000

15000

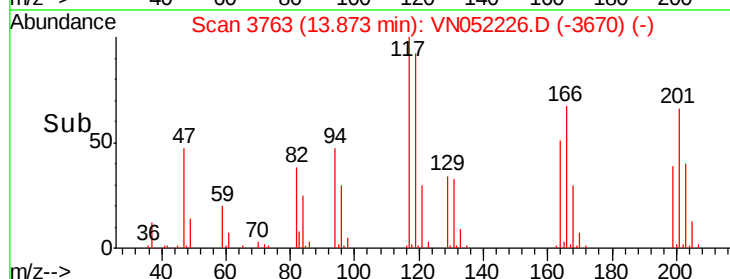
10000

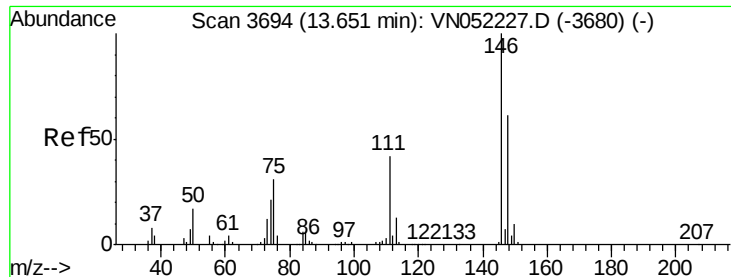
5000

0

13.80 13.85 13.90

Time-->





#91

1,2-Dichlorobenzene

Concen: 19.487 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

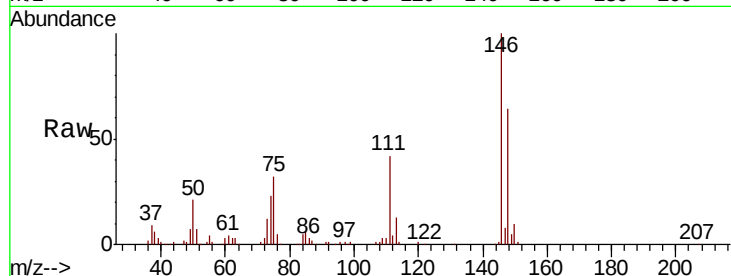
Tgt Ion:146 Resp: 114290

Ion Ratio Lower Upper

146 100

111 41.6 21.1 63.3

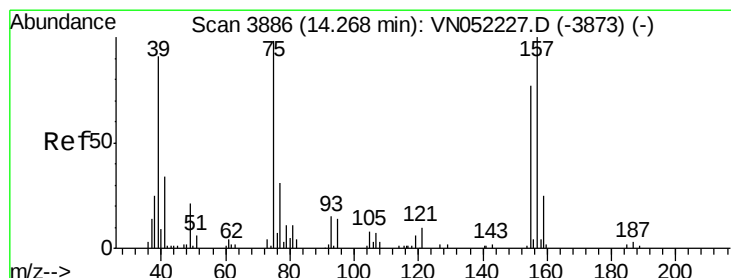
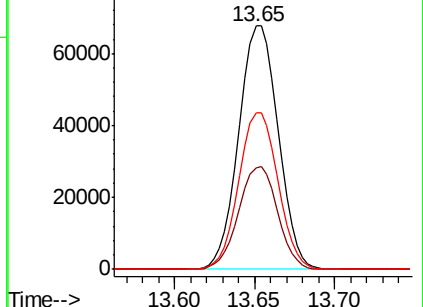
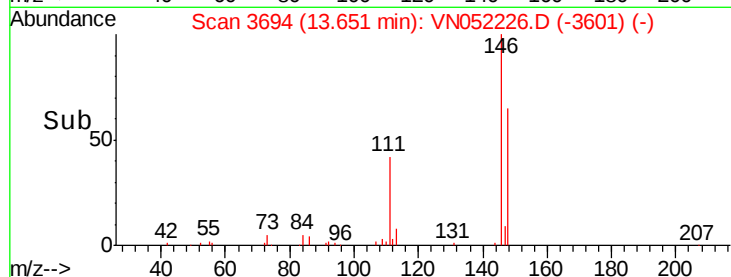
148 63.6 31.3 93.8



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: 19.682 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

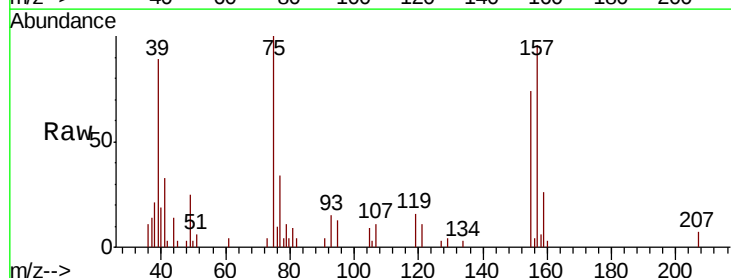
Tgt Ion: 75 Resp: 10117

Ion Ratio Lower Upper

75 100

155 79.2 40.2 120.5

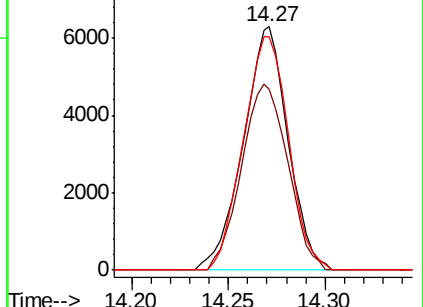
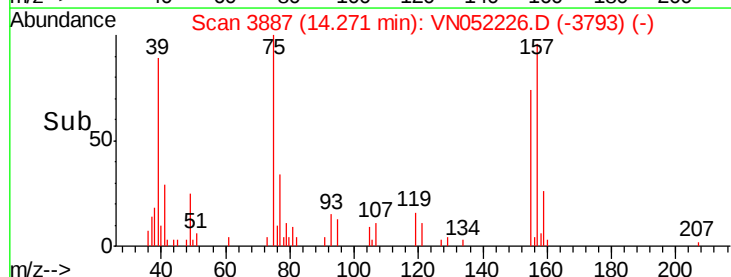
157 97.1 51.7 155.2

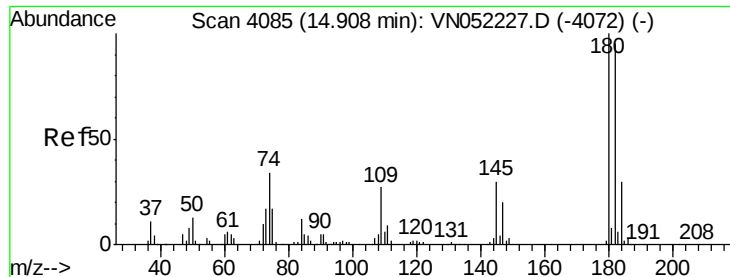


Abundance Ion 74.90 (74.60 to 75.60): VN

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

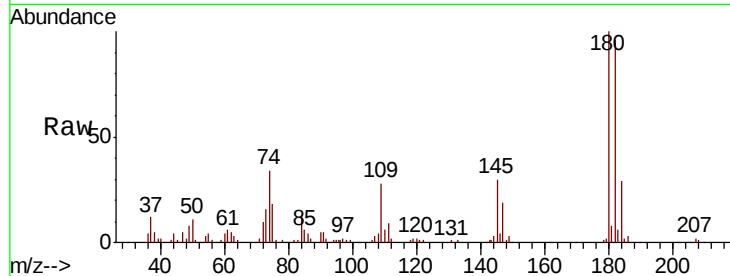




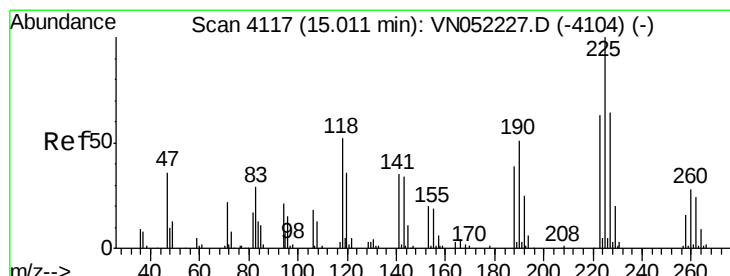
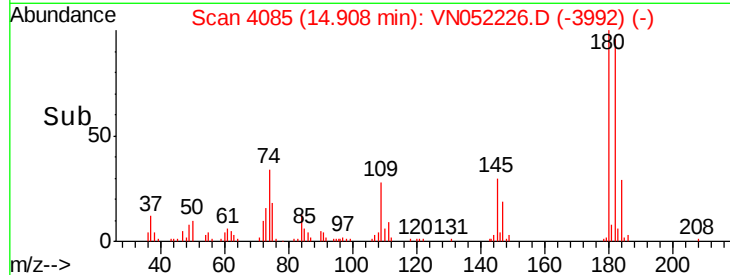
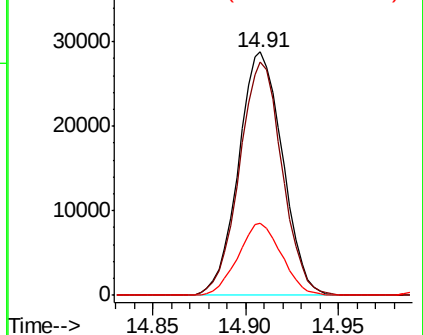
#93
 1,2,4-Trichlorobenzene
 Concen: 20.510 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 47568
 Ion Ratio Lower Upper
 180 100
 182 93.1 47.3 142.0
 145 29.4 15.6 46.8

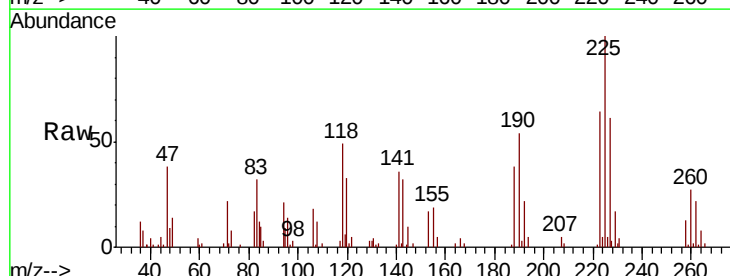


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

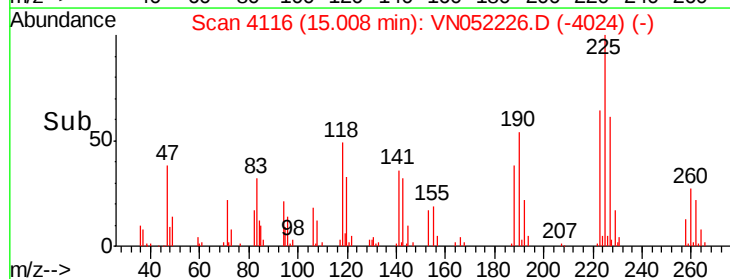
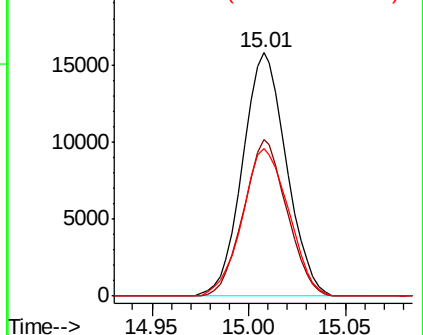


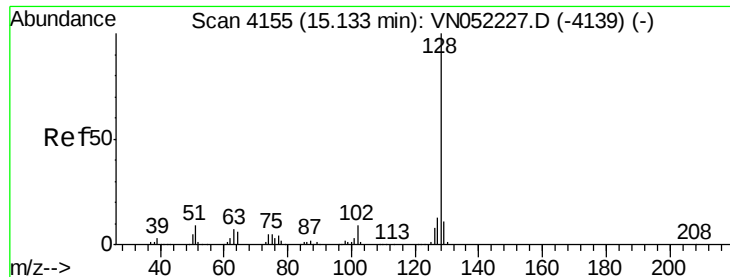
#94
 Hexachlorobutadiene
 Concen: 19.726 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion:225 Resp: 24860
 Ion Ratio Lower Upper
 225 100
 223 63.4 32.1 96.3
 227 64.0 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: 20.250 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

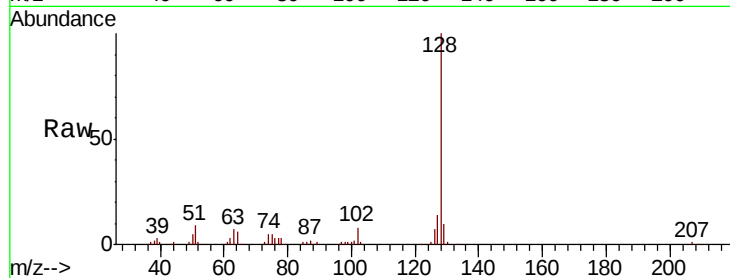
Tgt Ion:128 Resp: 115750

Ion Ratio Lower Upper

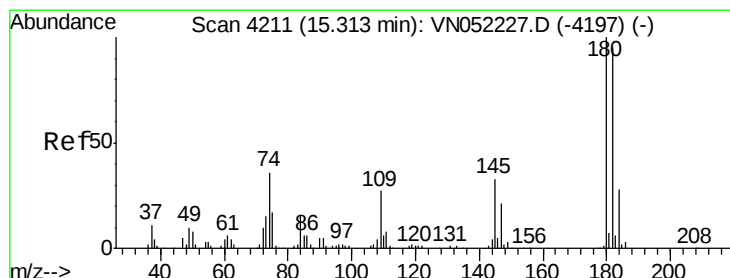
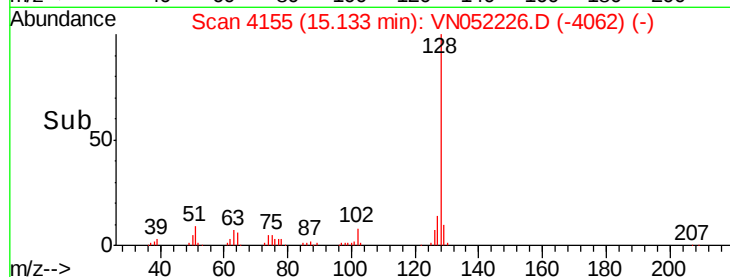
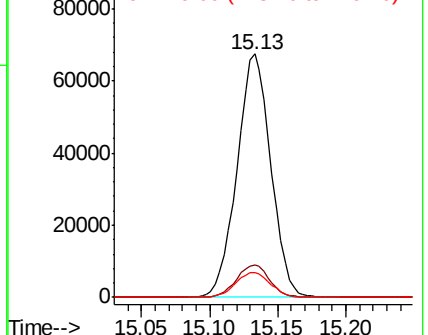
128 100

127 13.2 10.6 16.0

129 10.6 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: 19.751 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

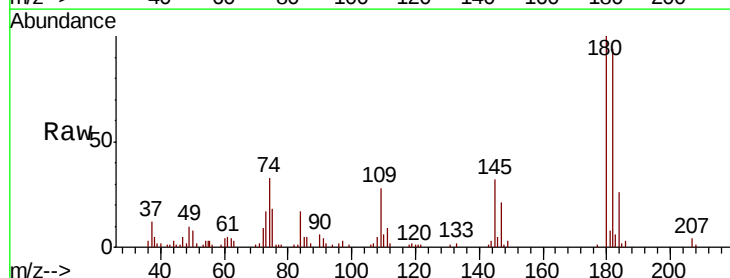
Tgt Ion:180 Resp: 43308

Ion Ratio Lower Upper

180 100

182 94.6 47.7 143.1

145 31.7 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

