

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
 Data File : VN052151.D
 Acq On : 5 Nov 2018 16:27
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 06 05:07:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	441890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	723925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	655100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	303741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	187705	35.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.64%	
35) Dibromofluoromethane	7.59	113	172525	38.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.76%	
50) Toluene-d8	10.09	98	670555	38.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.18%	
62) 4-Bromofluorobenzene	12.40	95	226943	39.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	186985	48.526	ug/l	98
3) Chloromethane	2.06	50	238699	45.896	ug/l	100
4) Vinyl Chloride	2.19	62	234323	47.041	ug/l	99
5) Bromomethane	2.57	94	165056	44.322	ug/l	96
6) Chloroethane	2.71	64	149485	46.934	ug/l	100
7) Trichlorofluoromethane	3.02	101	339630	46.937	ug/l	100
8) Diethyl Ether	3.41	74	118528	46.887	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	210348	48.648	ug/l	99
10) Methyl Iodide	3.96	142	285552	46.775	ug/l	99
11) Tert butyl alcohol	4.77	59	52155	228.964	ug/l	98
12) 1,1-Dichloroethene	3.74	96	191811	47.118	ug/l	99
13) Acrolein	3.61	56	49933	222.047	ug/l	97
14) Allyl chloride	4.33	41	322366	47.447	ug/l	96
15) Acrylonitrile	4.98	53	338955	227.298	ug/l	99
16) Acetone	3.81	43	268264	225.972	ug/l	96
17) Carbon Disulfide	4.06	76	557839	48.021	ug/l	99
18) Methyl Acetate	4.32	43	155296	41.165	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	527017	47.041	ug/l	96
20) Methylene Chloride	4.55	84	224058	45.423	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	209134	46.338	ug/l	95
22) Diisopropyl ether	5.95	45	712602	47.811	ug/l	99
23) Vinyl Acetate	5.90	43	2417410	245.377	ug/l	99
24) 1,1-Dichloroethane	5.85	63	398344	47.042	ug/l	99
25) 2-Butanone	6.83	43	412593	224.132	ug/l	97
26) 2,2-Dichloropropane	6.83	77	324611	48.982	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	249308	48.545	ug/l	98
28) Bromochloromethane	7.20	49	127593	31.847	ug/l	97
29) Tetrahydrofuran	7.21	42	256889	225.543	ug/l	98
30) Chloroform	7.37	83	404960	47.993	ug/l	94
31) Cyclohexane	7.65	56	385072	49.253	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	353962	47.618	ug/l	99
36) 1,1-Dichloropropene	7.80	75	314600	49.125	ug/l	99
37) Ethyl Acetate	6.93	43	186338	47.231	ug/l #	95
38) Carbon Tetrachloride	7.78	117	315056	49.207	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	387593	51.103	ug/l	96
40) Benzene	8.04	78	917930	48.759	ug/l	97
41) Methacrylonitrile	7.17	41	98528	44.692	ug/l	97
42) 1,2-Dichloroethane	8.12	62	290947	48.075	ug/l	100
43) Isopropyl Acetate	8.16	43	339048	46.400	ug/l #	89
44) Trichloroethene	8.84	130	249212	50.000	ug/l	97
45) 1,2-Dichloropropane	9.12	63	243871	48.914	ug/l	98
46) Dibromomethane	9.21	93	147919	46.651	ug/l	98
47) Bromodichloromethane	9.40	83	304271	49.205	ug/l	100
48) Methyl methacrylate	9.20	41	168535	47.922	ug/l	99
49) 1,4-Dioxane	9.20	88	30801	1032.202	ug/l	91
51) 4-Methyl-2-Pentanone	9.98	43	924148	239.395	ug/l	100
52) Toluene	10.16	92	580702	51.152	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	307994	50.771	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	364654	51.369	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	203238	50.777	ug/l	96
56) Ethyl methacrylate	10.43	69	255535	48.980	ug/l	99
57) 1,3-Dichloropropane	10.71	76	341128	48.378	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	356306	126.902	ug/l	99
59) 2-Hexanone	10.75	43	659236	245.317	ug/l	99
60) Dibromochloromethane	10.90	129	226501	49.761	ug/l	97
61) 1,2-Dibromoethane	11.00	107	204731	50.389	ug/l	99
64) Tetrachloroethene	10.63	164	218441	51.469	ug/l	99
65) Chlorobenzene	11.43	112	653337	48.930	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	229864	51.261	ug/l	99
67) Ethyl Benzene	11.51	91	1114160	50.238	ug/l	98
68) m/p-Xylenes	11.62	106	872605	101.971	ug/l	99
69) o-Xylene	11.95	106	417323	50.286	ug/l	99
70) Styrene	11.96	104	670516	51.038	ug/l	99
71) Bromoform	12.13	173	137559	46.229	ug/l #	98
73) Isopropylbenzene	12.25	105	1116636	48.622	ug/l	98
74) N-amyl acetate	12.07	43	320579	47.041	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	222197	44.201	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	295855	61.894	ug/l #	100
77) Bromobenzene	12.53	156	267608	48.865	ug/l	98
78) n-propylbenzene	12.59	91	1281931	48.842	ug/l	100
79) 2-Chlorotoluene	12.67	91	725767	47.155	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	901044	48.470	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	65916	49.376	ug/l	95
82) 4-Chlorotoluene	12.77	91	746996	48.288	ug/l	99
83) tert-Butylbenzene	12.99	119	793352	48.332	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	904916	48.902	ug/l	100
85) sec-Butylbenzene	13.17	105	1097480	49.446	ug/l	99
86) p-Isopropyltoluene	13.29	119	942714	50.462	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	475862	49.170	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	465032	48.073	ug/l	98
89) n-Butylbenzene	13.61	91	811802	50.184	ug/l	99
90) Hexachloroethane	13.87	117	159587	50.687	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	446316	49.141	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30755	46.347	ug/l	97

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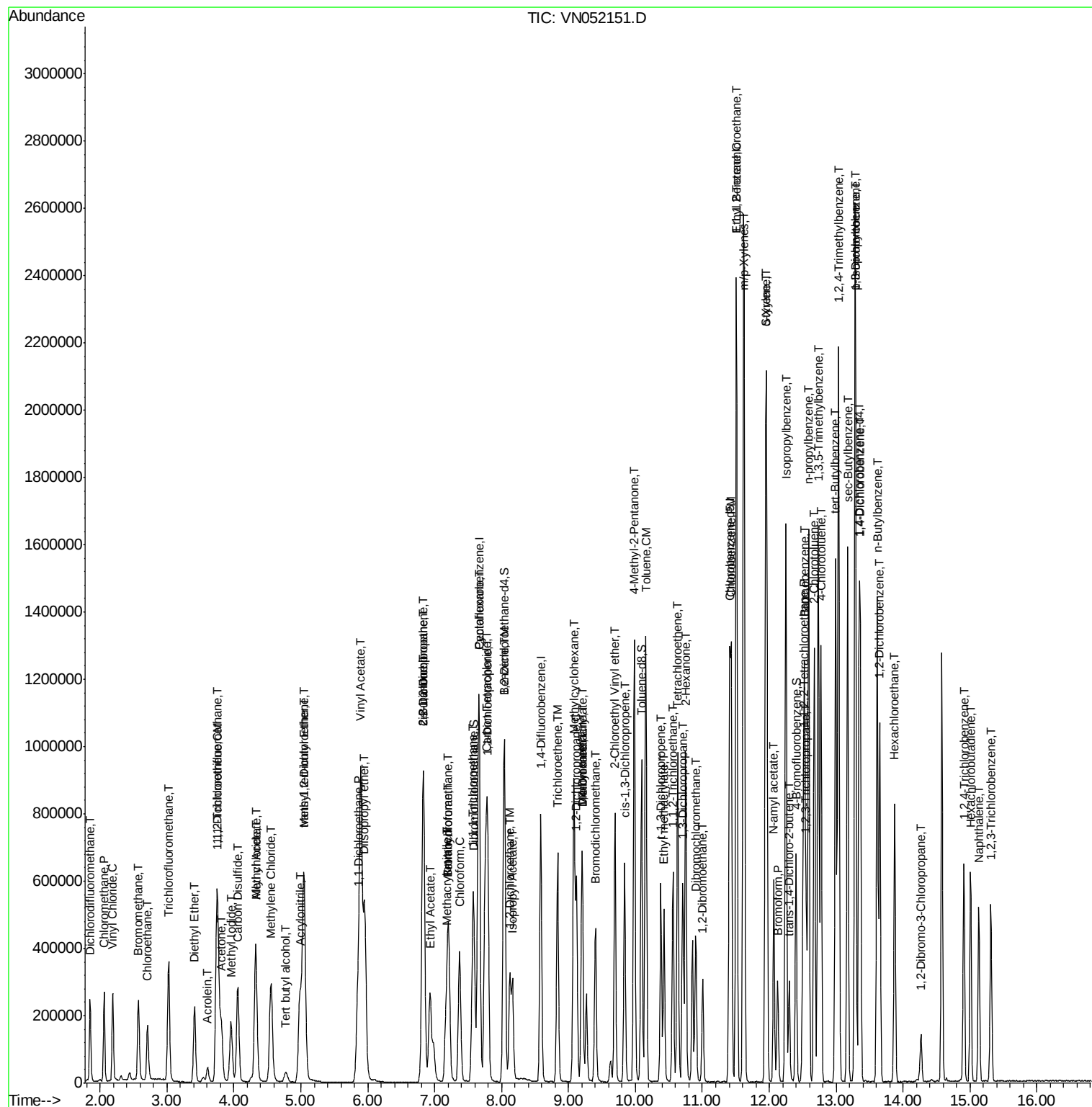
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	205011	47.957	ug/l	98
94) Hexachlorobutadiene	15.01	225	109177	51.160	ug/l	98
95) Naphthalene	15.13	128	443840	47.718	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	180504	48.970	ug/l	98

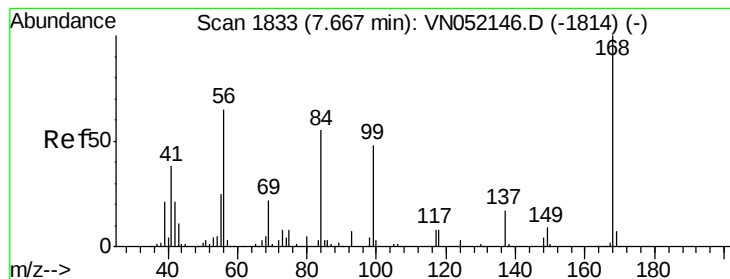
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110518\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

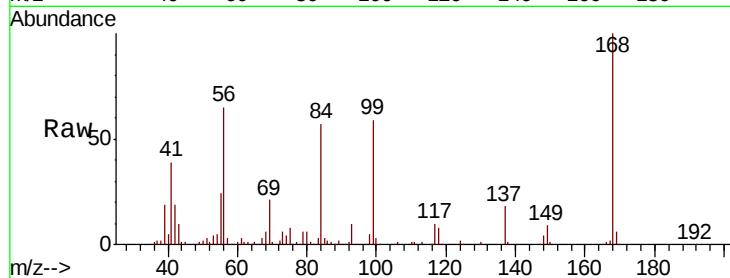
VSTDCCC050

Tot Ion:168 Resp: 441890

Ion Ratio Lower Upper

168 100

99 58.7 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

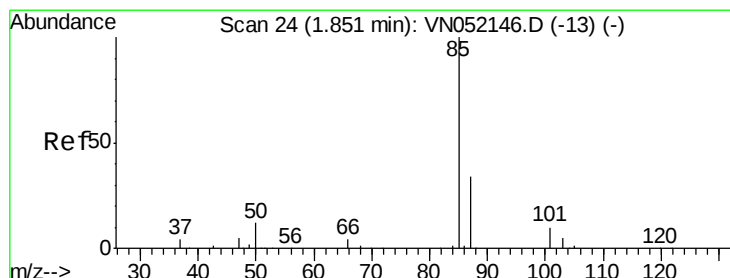
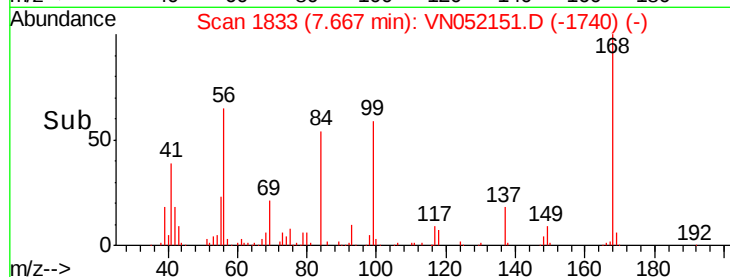
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.526 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052151.D

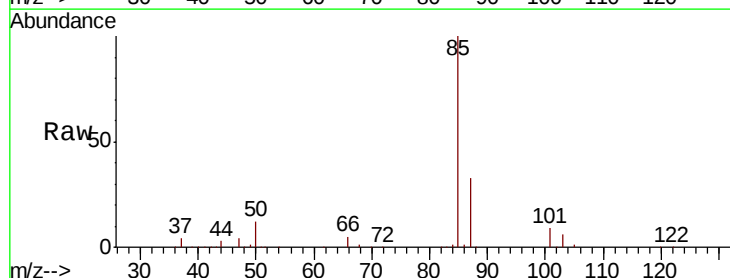
Acq: 5 Nov 2018 16:27

Tgt Ion: 85 Resp: 186985

Ion Ratio Lower Upper

85 100

87 32.7 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

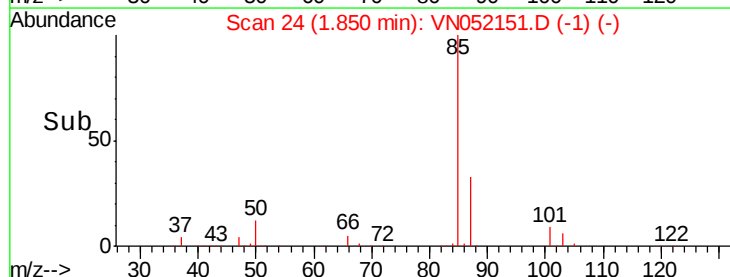
100000

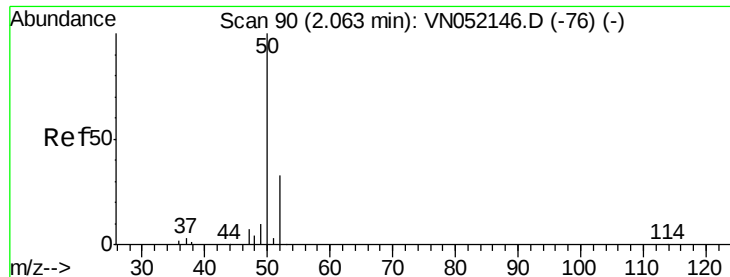
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.896 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

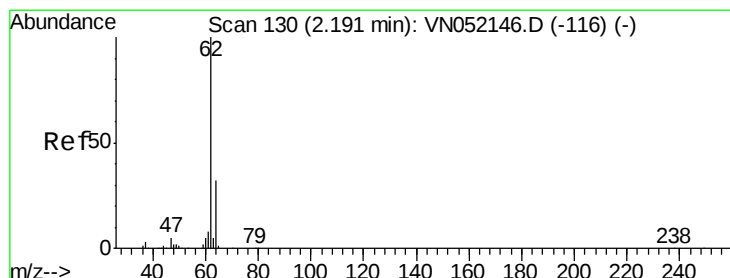
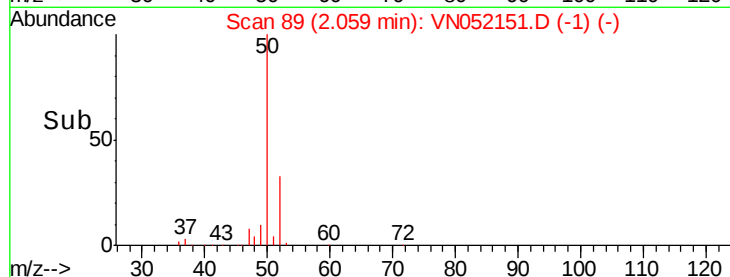
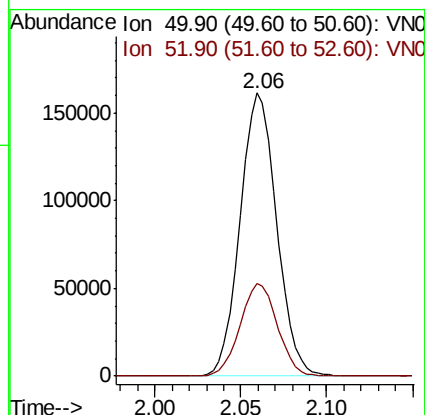
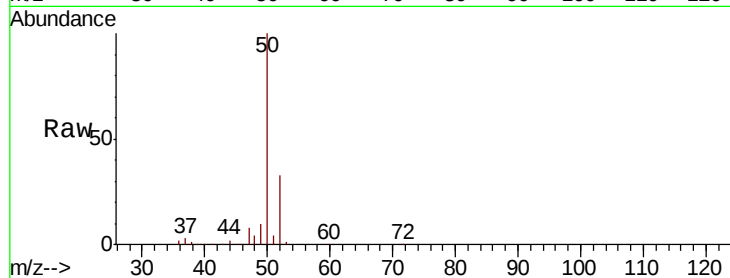
VSTDCCC050

Tot Ion: 50 Resp: 238699

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.4



#4

Vinyl Chloride

Concen: 47.041 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052151.D

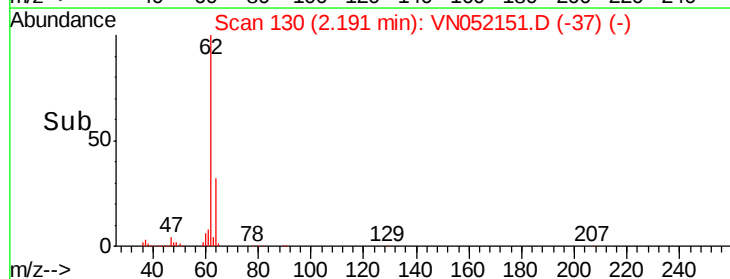
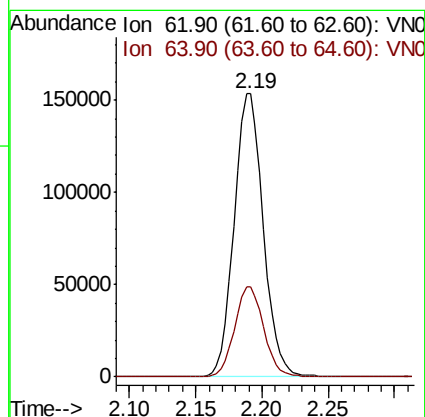
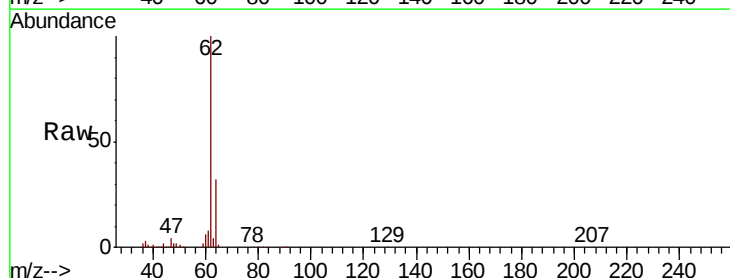
Acq: 5 Nov 2018 16:27

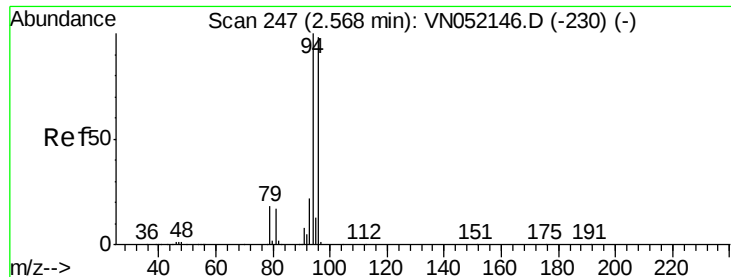
Tgt Ion: 62 Resp: 234323

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.6





#5

Bromomethane

Concen: 44.322 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

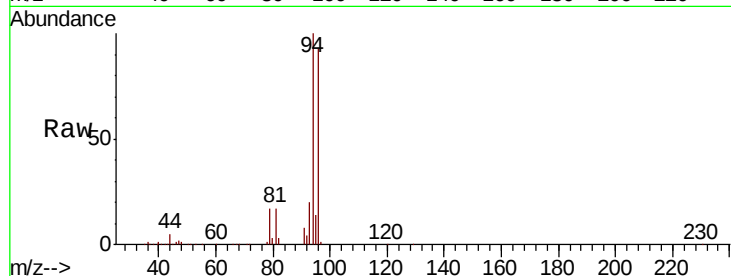
VSTDCCC050

Tot Ion: 94 Resp: 165056

Ion Ratio Lower Upper

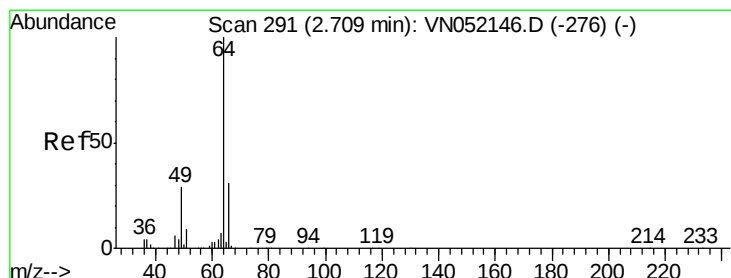
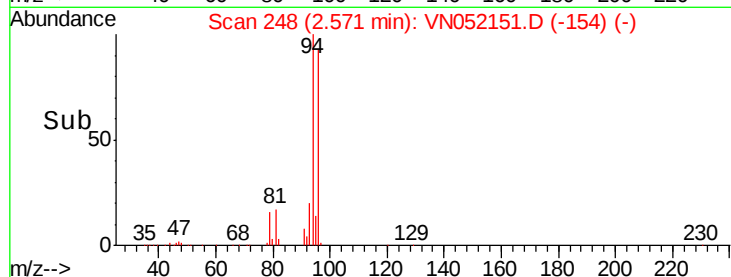
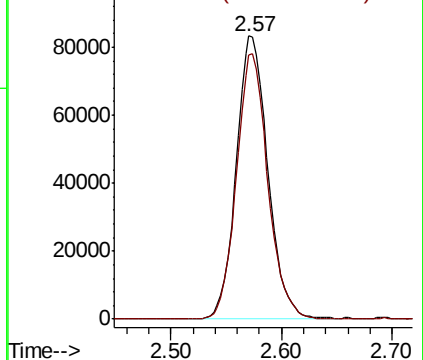
94 100

96 93.5 78.3 117.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.934 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052151.D

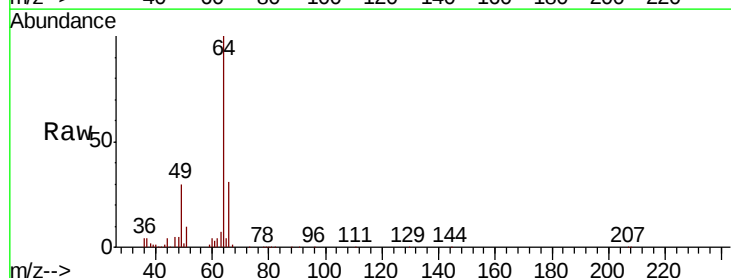
Acq: 5 Nov 2018 16:27

Tgt Ion: 64 Resp: 149485

Ion Ratio Lower Upper

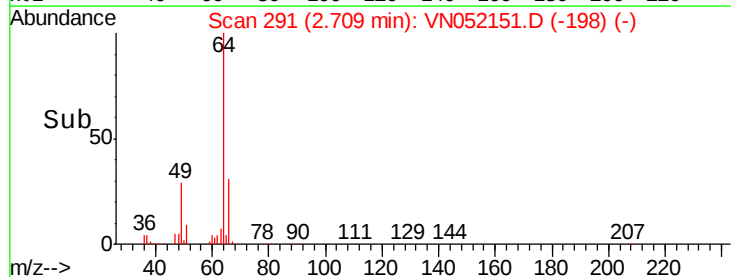
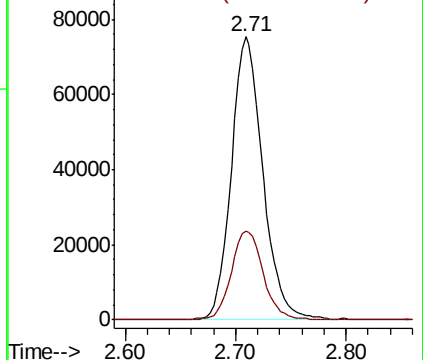
64 100

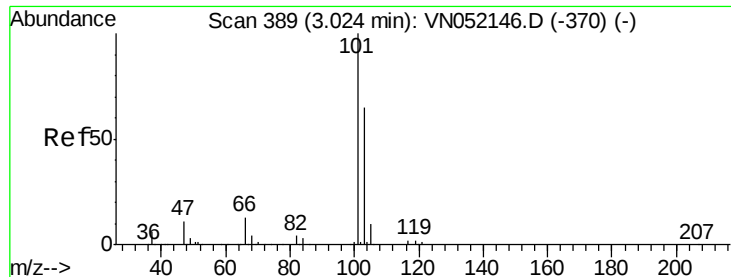
66 31.2 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



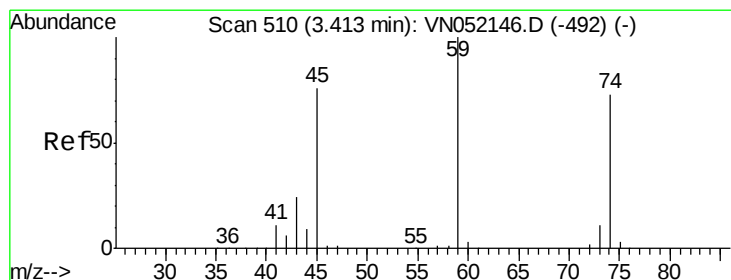
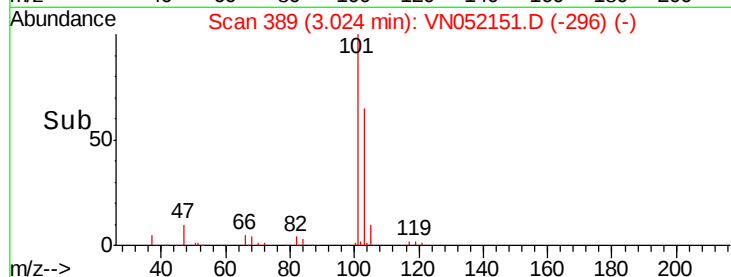
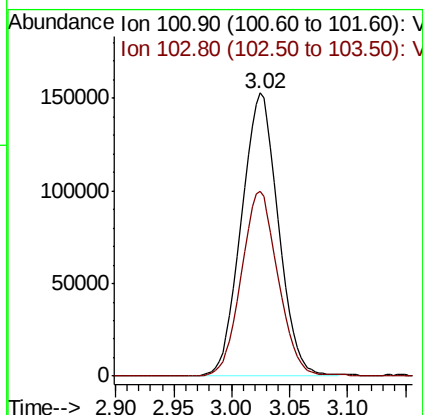
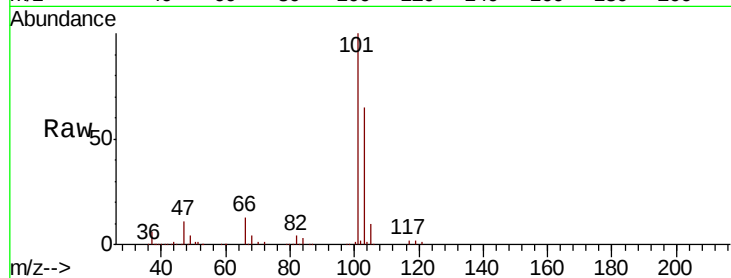


#7

Trichlorofluoromethane
 Concen: 46.937 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052151.D
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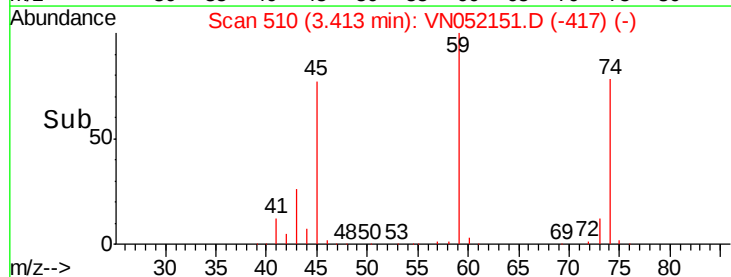
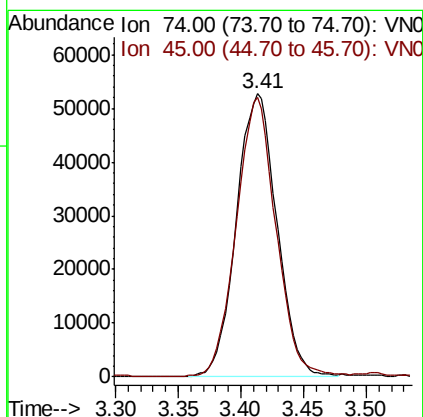
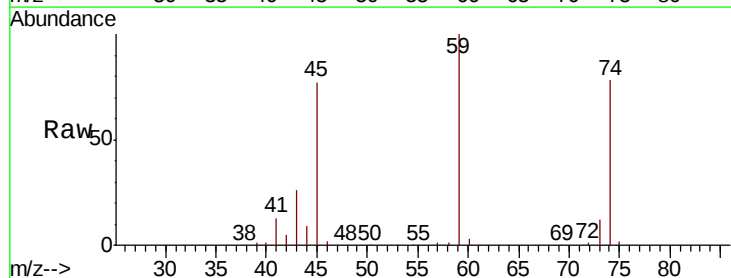
Tot Ion:101 Resp: 339630
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.2 78.4

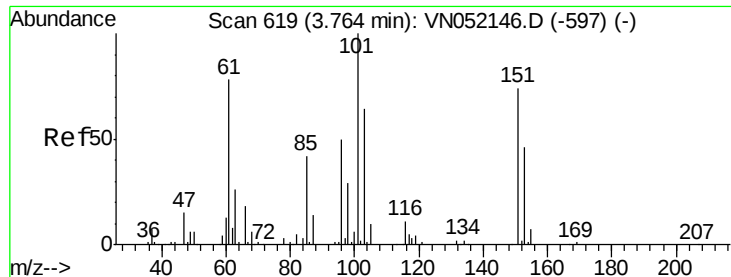


#8

Diethyl Ether
 Concen: 46.887 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion: 74 Resp: 118528
 Ion Ratio Lower Upper
 74 100
 45 97.1 49.1 147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.648 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

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VSTDCCC050

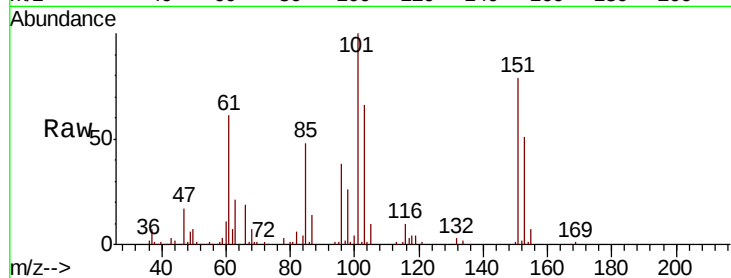
Tot Ion:101 Resp: 210348

Ion Ratio Lower Upper

101 100

85 45.5 36.1 54.1

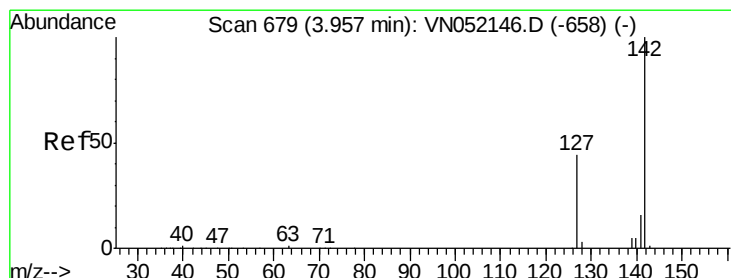
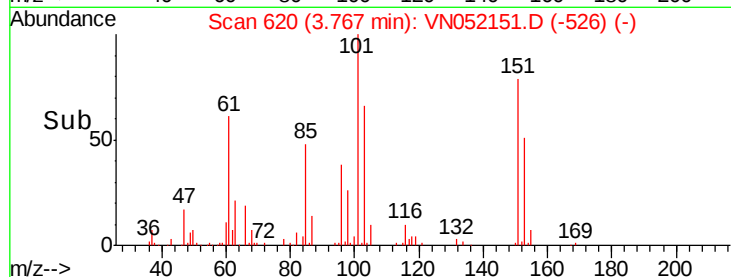
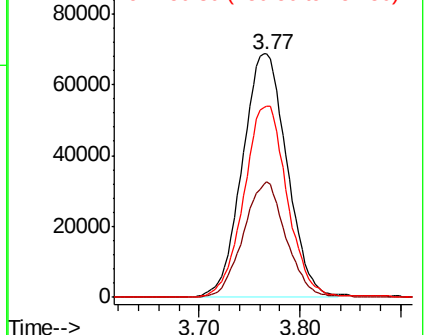
151 76.2 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.775 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

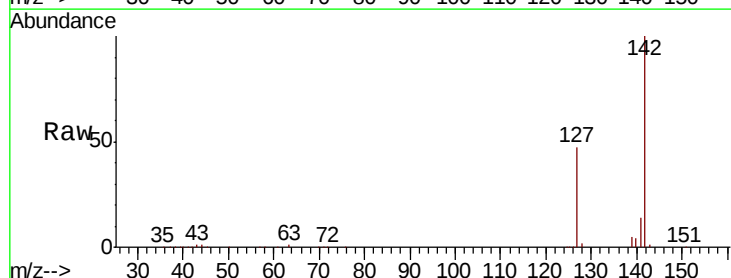
Tgt Ion:142 Resp: 285552

Ion Ratio Lower Upper

142 100

127 44.6 36.0 54.0

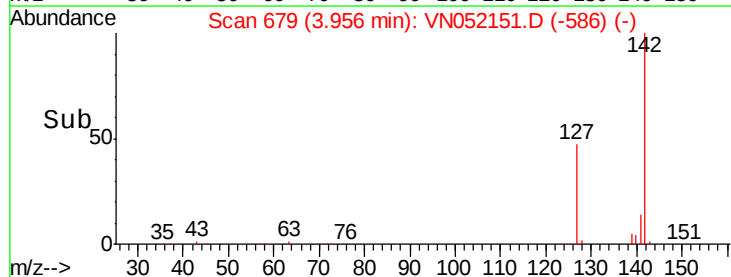
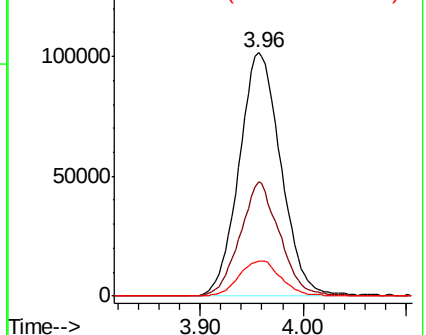
141 14.6 11.8 17.6

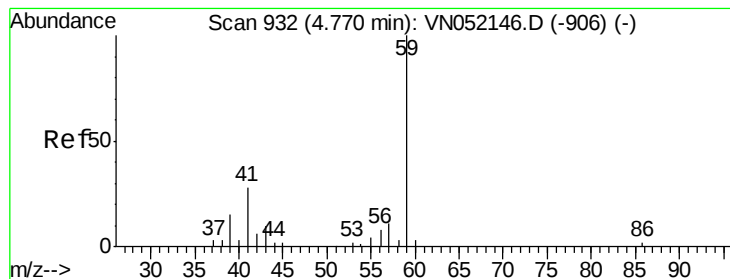


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



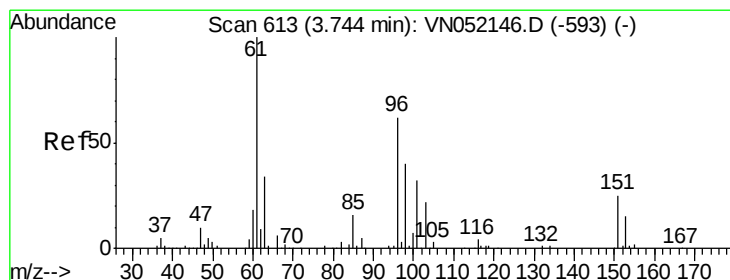
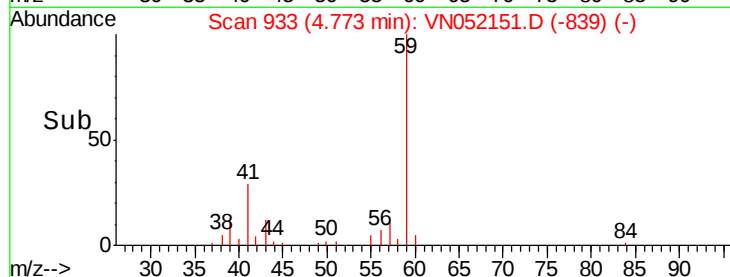
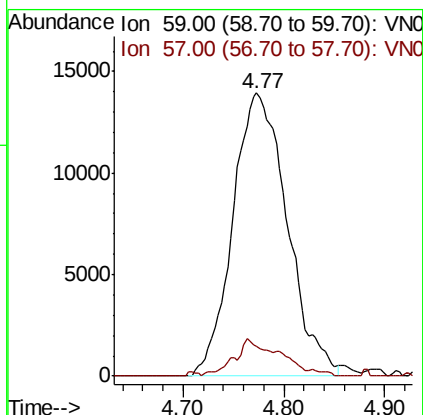
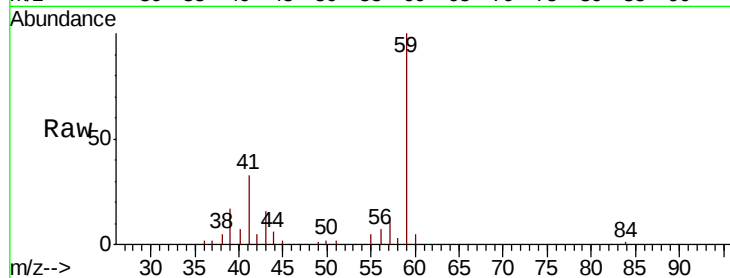


#11

Tert butyl alcohol
 Concen: 228.964 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

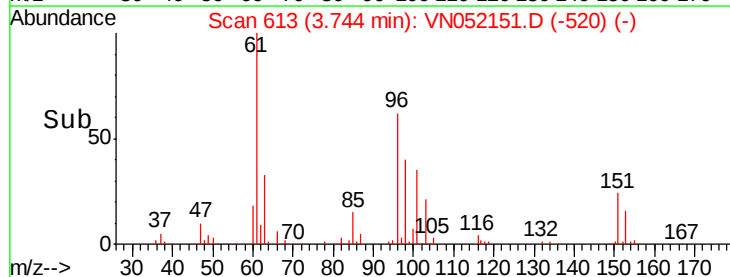
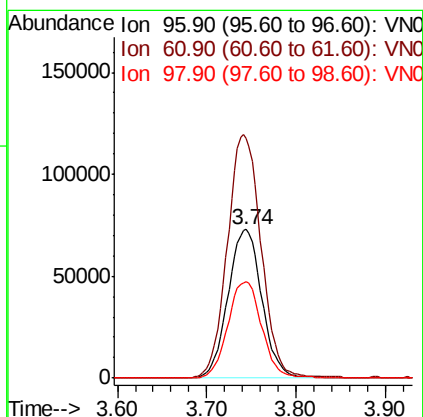
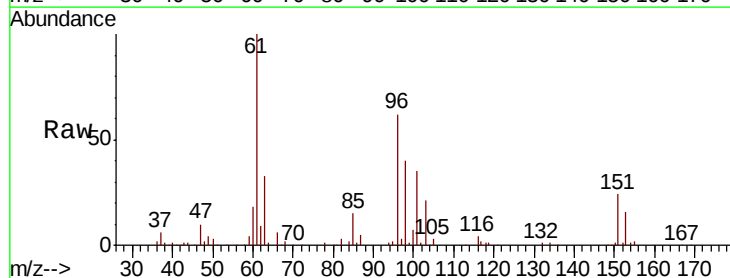
Tot Ion: 59 Resp: 52155
 Ion Ratio Lower Upper
 59 100
 57 7.7 5.7 8.5

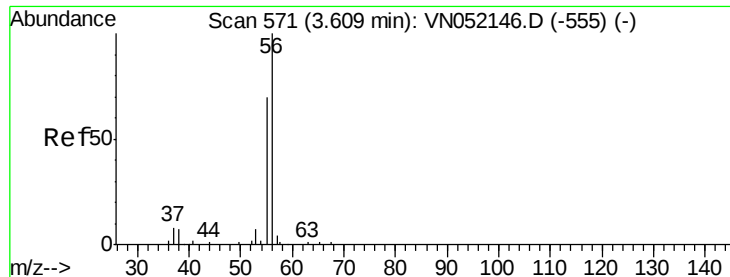


#12

1,1-Dichloroethene
 Concen: 47.118 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion: 96 Resp: 191811
 Ion Ratio Lower Upper
 96 100
 61 161.4 128.4 192.6
 98 65.3 50.9 76.3





#13

Acrolein

Concen: 222.047 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

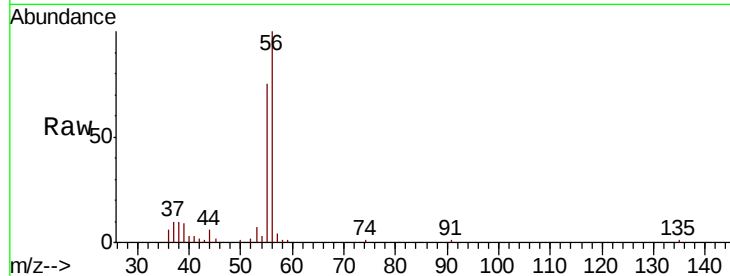
VSTDCCC050

Tot Ion: 56 Resp: 49933

Ion Ratio Lower Upper

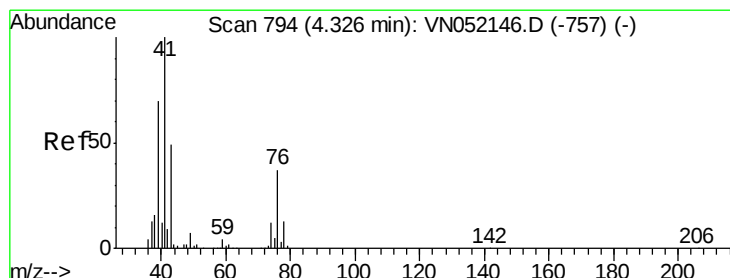
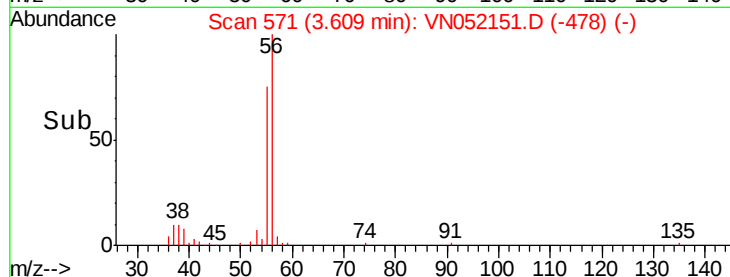
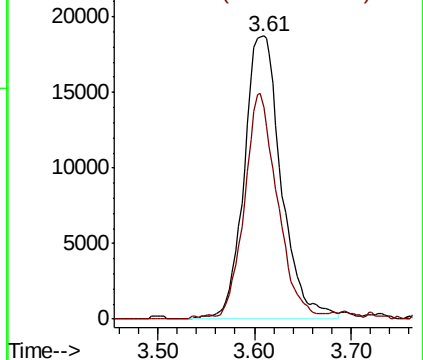
56 100

55 68.3 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 47.447 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

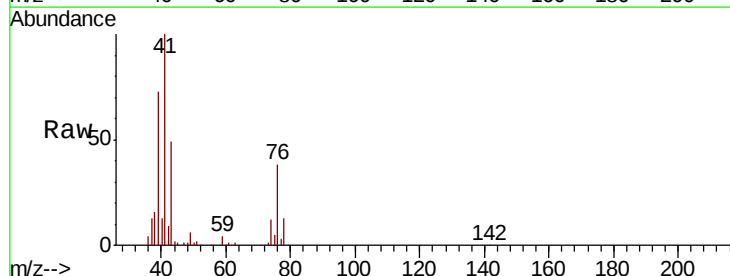
Tgt Ion: 41 Resp: 322366

Ion Ratio Lower Upper

41 100

39 71.8 55.3 82.9

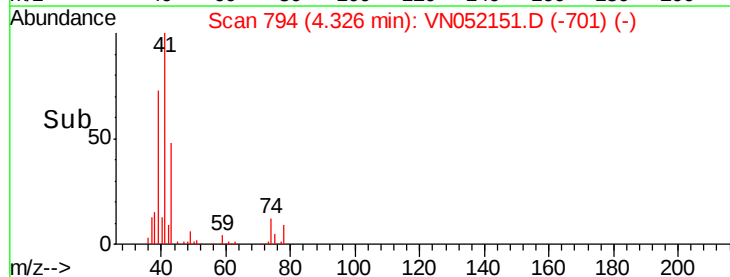
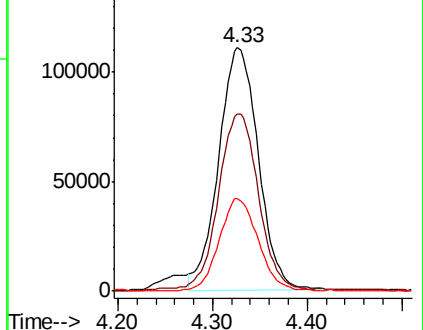
76 37.1 27.8 41.8

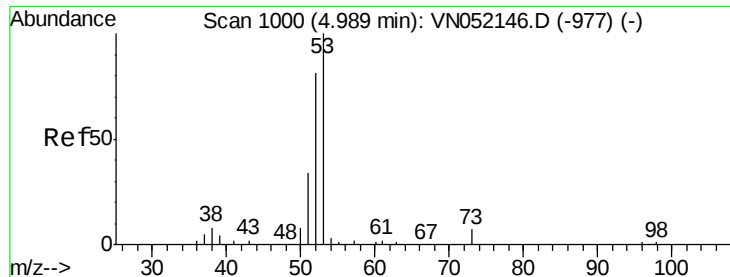


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 227.298 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

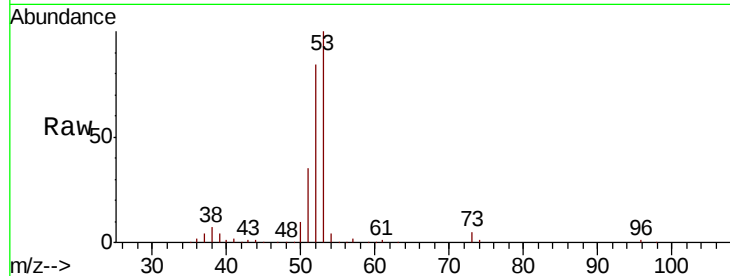
Tot Ion: 53 Resp: 338955

Ion Ratio Lower Upper

53 100

52 81.8 66.5 99.7

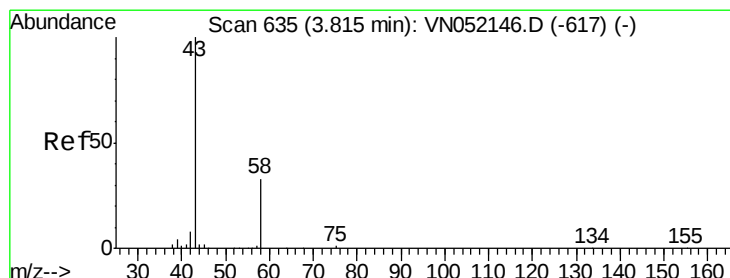
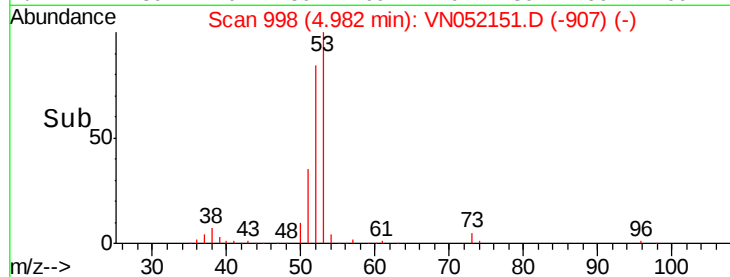
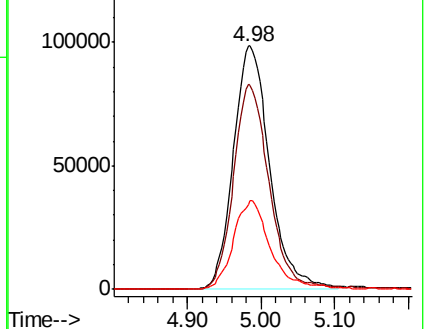
51 36.4 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN052151.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN052151.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN052151.D (-907) (-)



#16

Acetone

Concen: 225.972 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052151.D

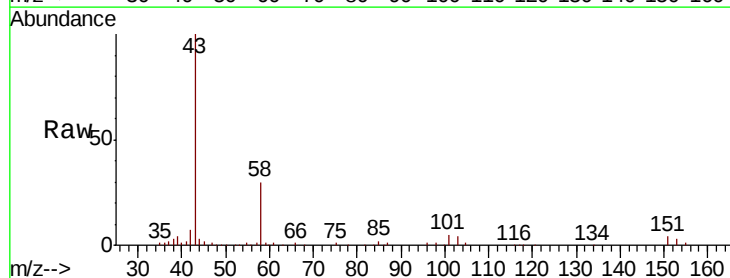
Acq: 5 Nov 2018 16:27

Tgt Ion: 43 Resp: 268264

Ion Ratio Lower Upper

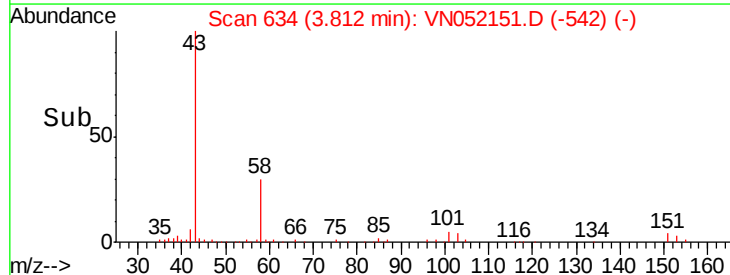
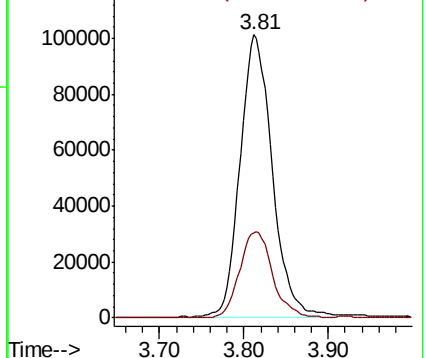
43 100

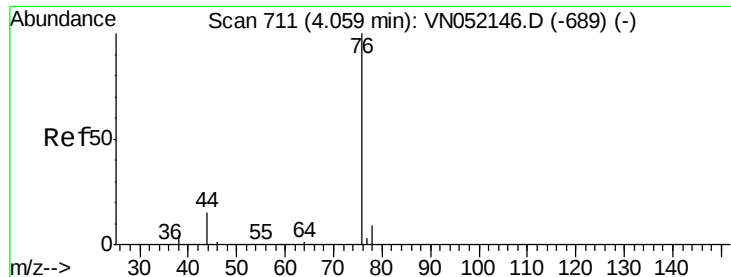
58 30.3 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VN052151.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052151.D (-542) (-)

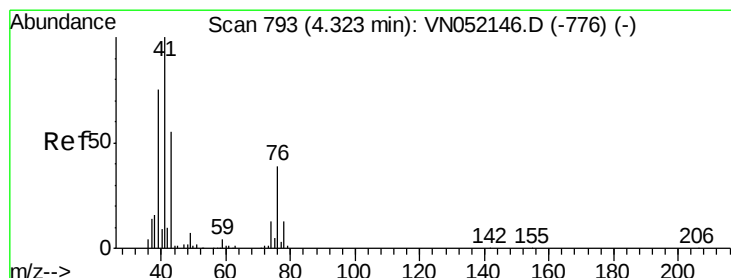
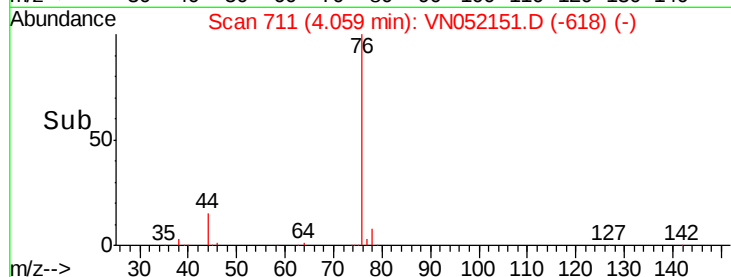
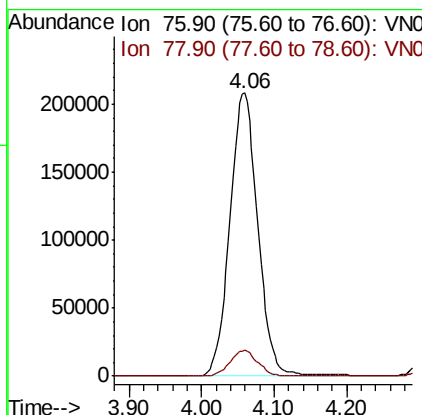
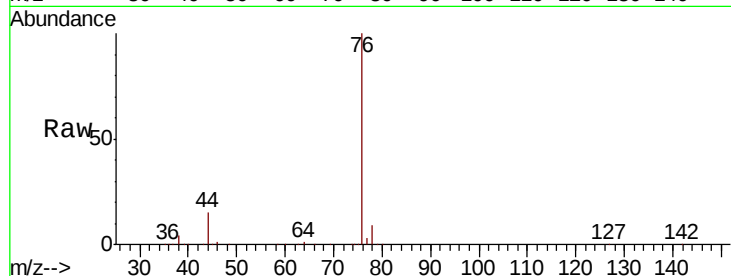




#17
Carbon Disulfide
Concen: 48.021 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

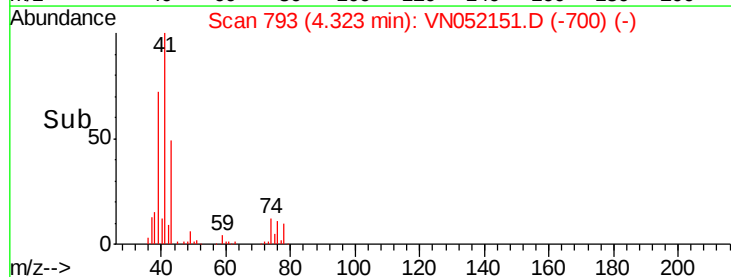
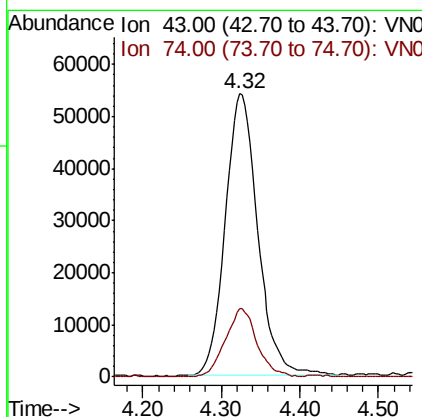
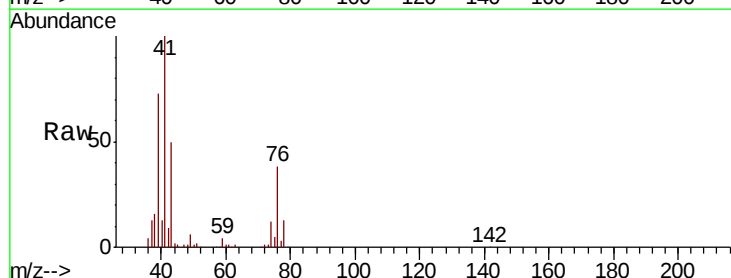
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

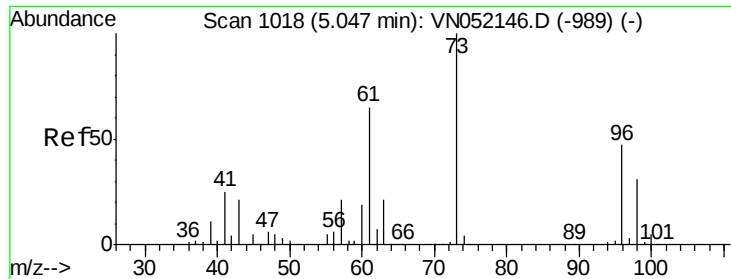
Tot Ion: 76 Resp: 557839
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 41.165 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion: 43 Resp: 155296
Ion Ratio Lower Upper
43 100
74 23.6 19.3 28.9

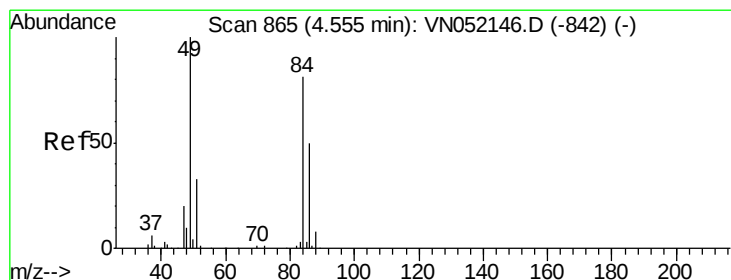
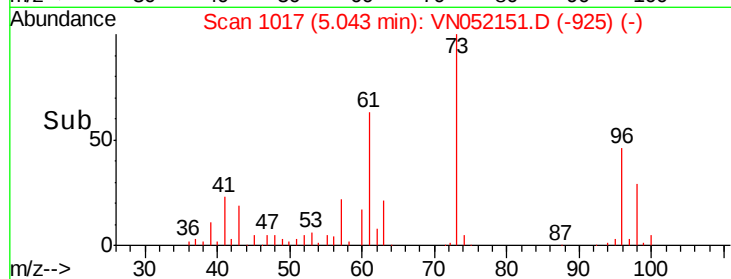
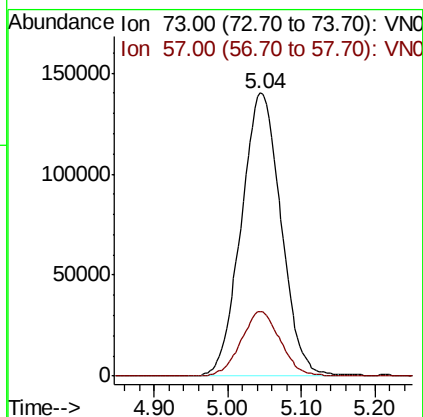
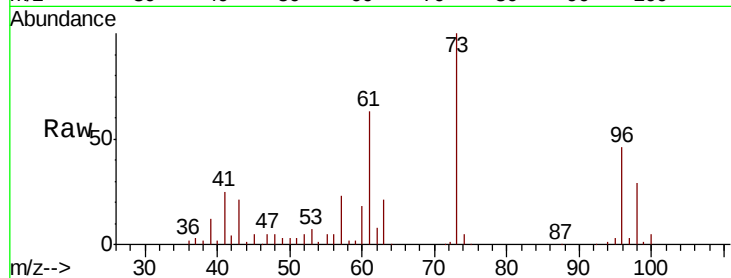




#19
Methyl tert-butyl Ether
Concen: 47.041 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

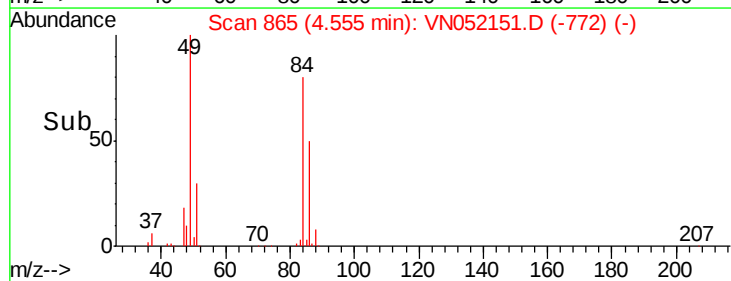
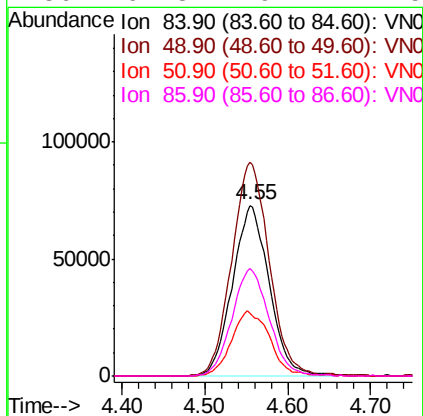
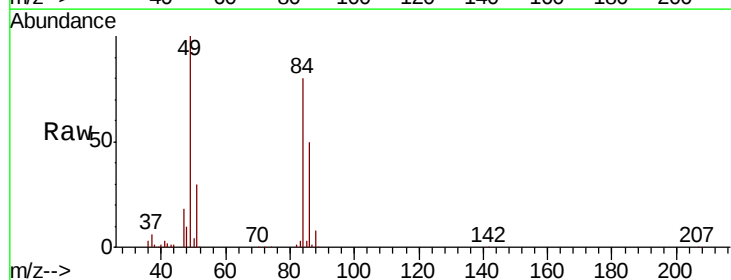
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

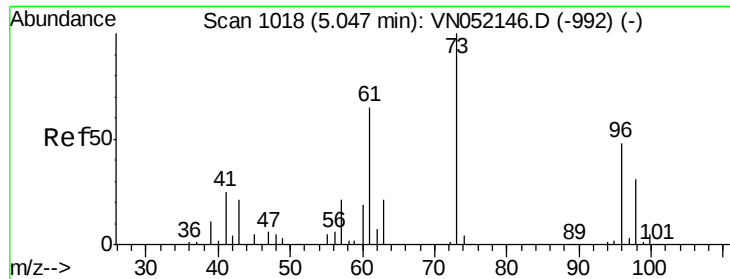
Tot Ion: 73 Resp: 527017
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2



#20
Methylene Chloride
Concen: 45.423 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion: 84 Resp: 224058
Ion Ratio Lower Upper
84 100
49 124.9 98.4 147.6
51 37.1 32.5 48.7
86 62.8 49.7 74.5

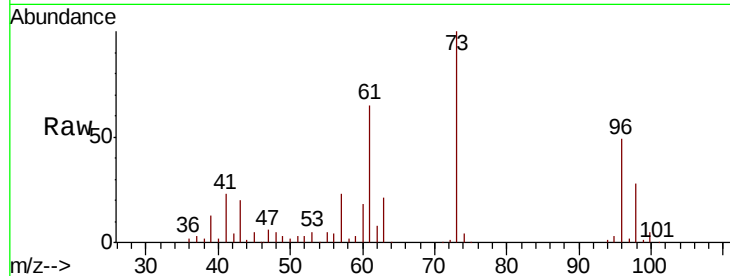




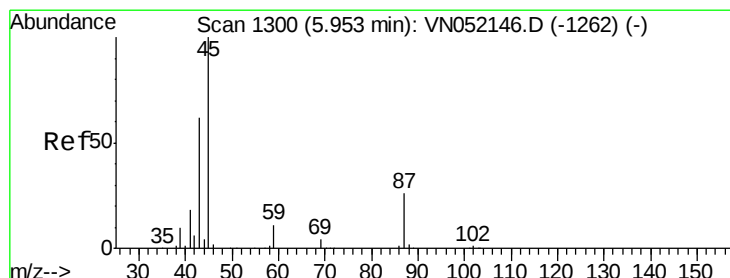
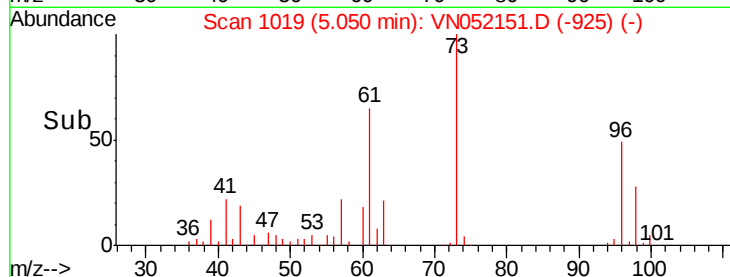
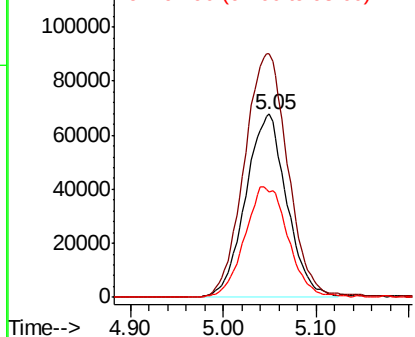
#21
trans-1,2-Dichloroethene
Concen: 46.338 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 209134
Ion Ratio Lower Upper
96 100
61 132.9 109.6 164.4
98 57.7 52.0 78.0

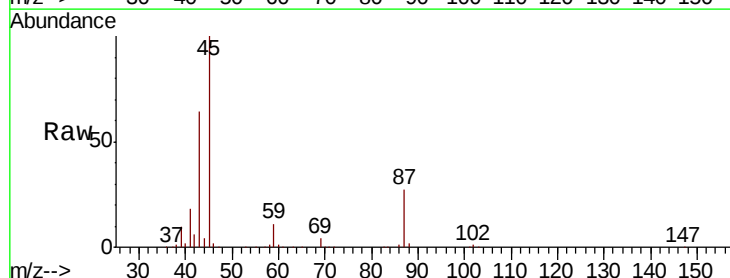


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

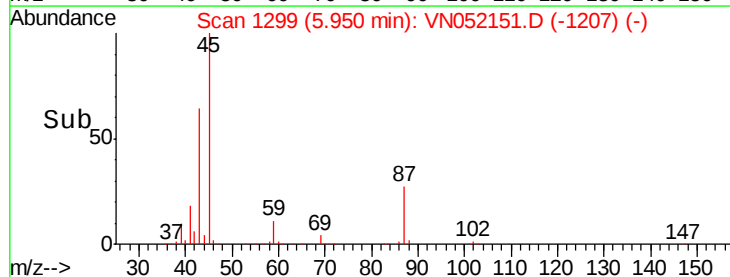
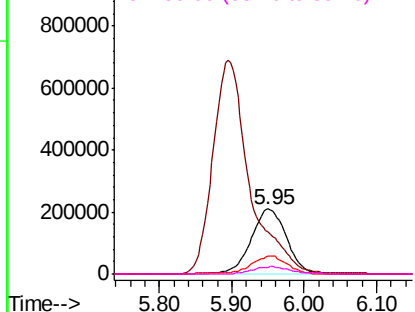


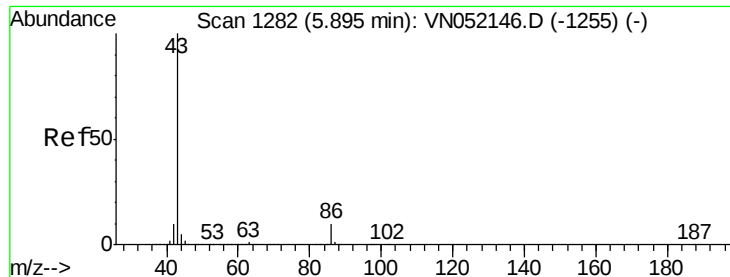
#22
Diisopropyl ether
Concen: 47.811 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion: 45 Resp: 712602
Ion Ratio Lower Upper
45 100
43 62.7 49.8 74.6
87 26.6 21.1 31.7
59 10.5 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 245.377 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

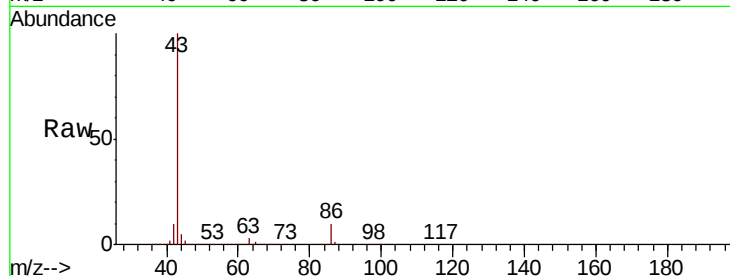
VSTDCCC050

Tot Ion: 43 Resp: 2417410

Ion Ratio Lower Upper

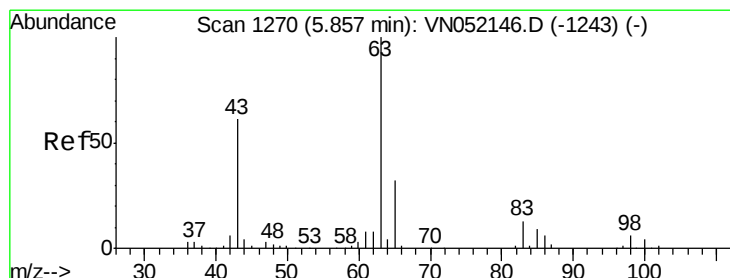
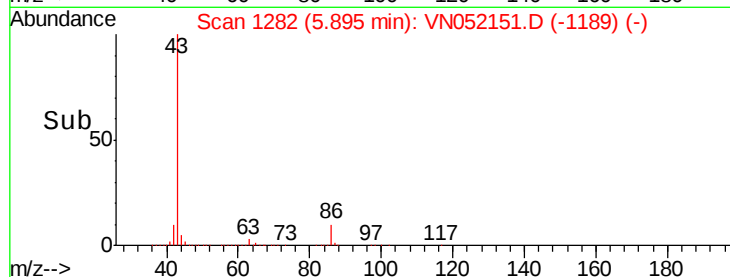
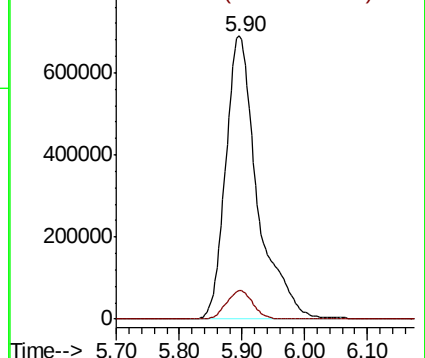
43 100

86 10.3 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN052151.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN052151.D (-1189) (-)



#24

1,1-Dichloroethane

Concen: 47.042 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

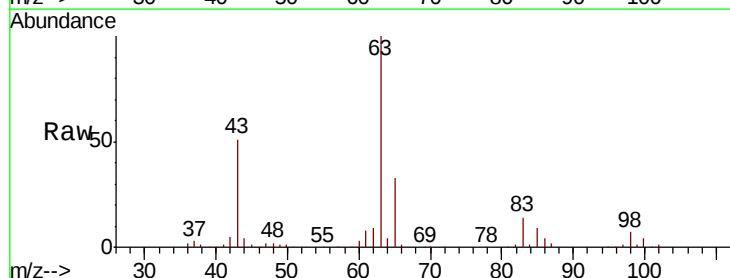
Tgt Ion: 63 Resp: 398344

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

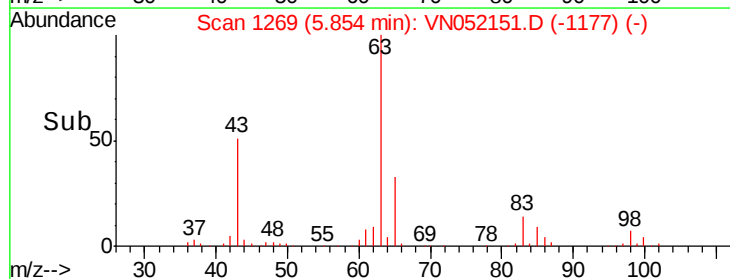
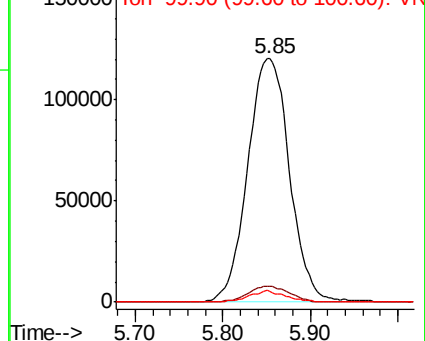
100 4.4 2.1 6.2

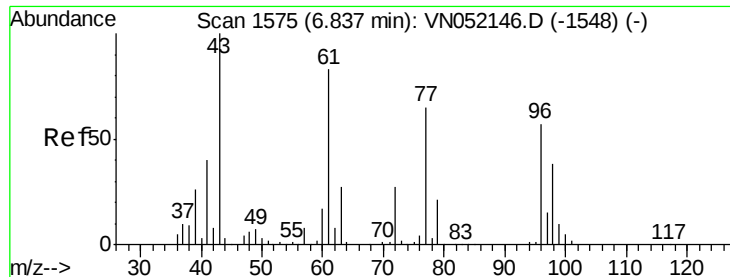


Abundance Ion 62.90 (62.60 to 63.60): VN052151.D (-1177) (-)

Ion 97.90 (97.60 to 98.60): VN052151.D (-1177) (-)

Ion 99.90 (99.60 to 100.60): VN052151.D (-1177) (-)





#25

2-Butanone

Concen: 224.132 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

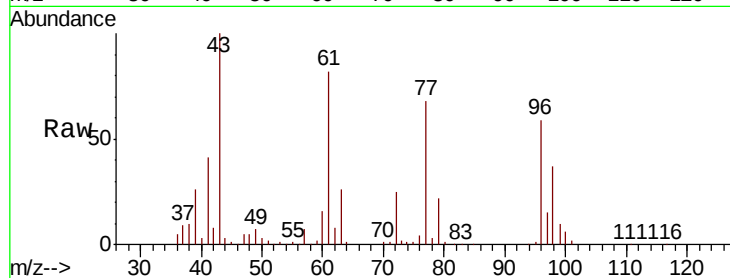
VSTDCCC050

Tot Ion: 43 Resp: 412593

Ion Ratio Lower Upper

43 100

72 25.2 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

150000

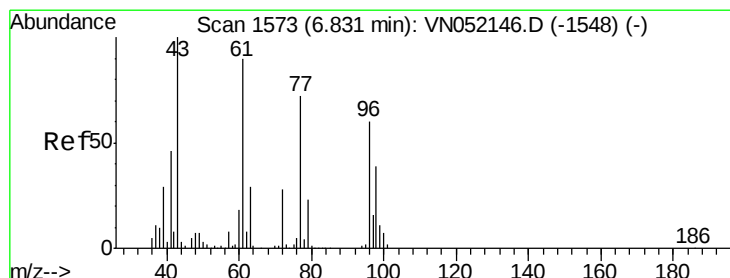
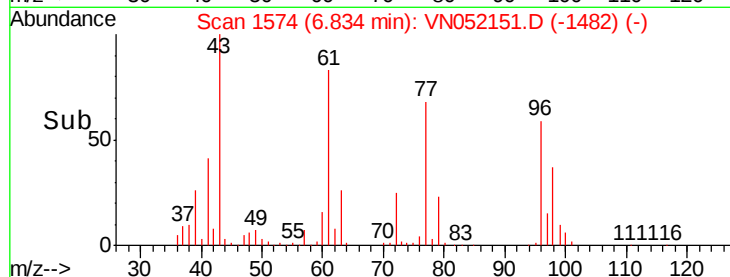
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 48.982 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052151.D

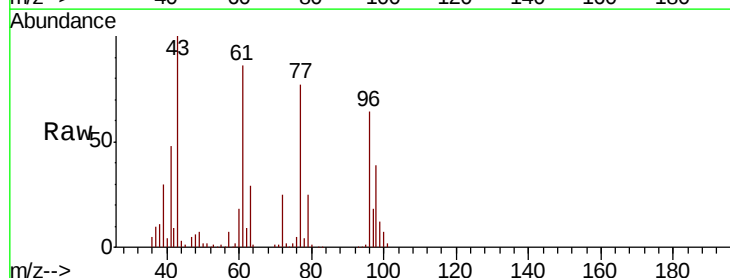
Acq: 5 Nov 2018 16:27

Tgt Ion: 77 Resp: 324611

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

120000

100000

80000

60000

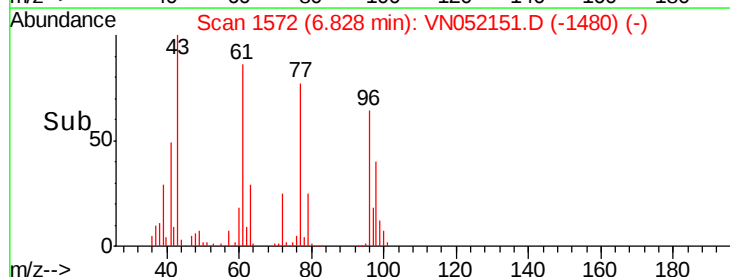
40000

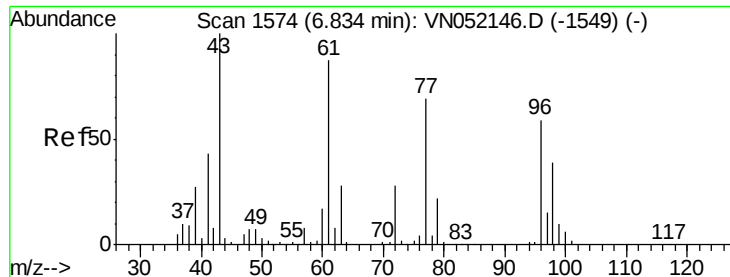
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.545 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

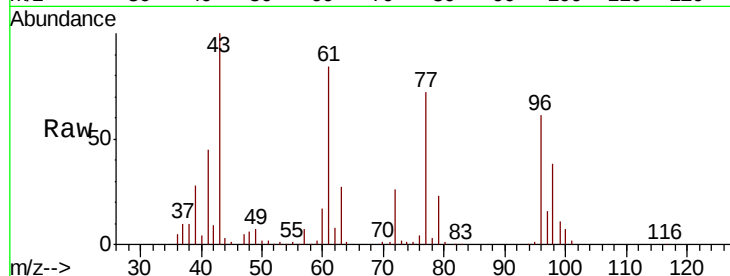
Tot Ion: 96 Resp: 249308

Ion Ratio Lower Upper

96 100

61 142.2 0.0 291.8

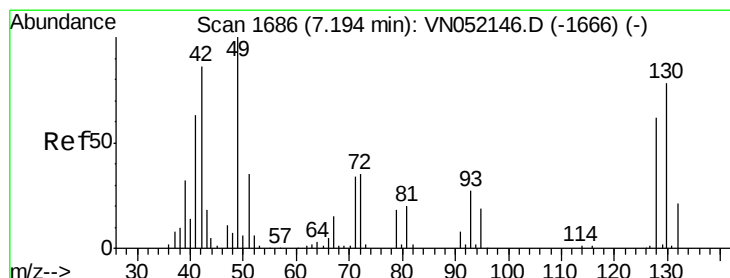
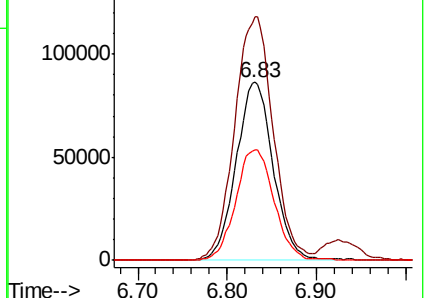
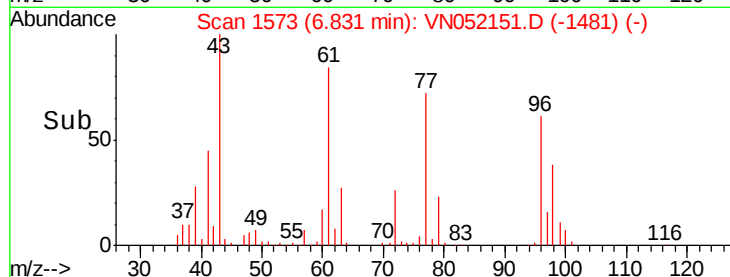
98 64.0 0.0 130.0



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



#28

Bromochloromethane

Concen: 31.847 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

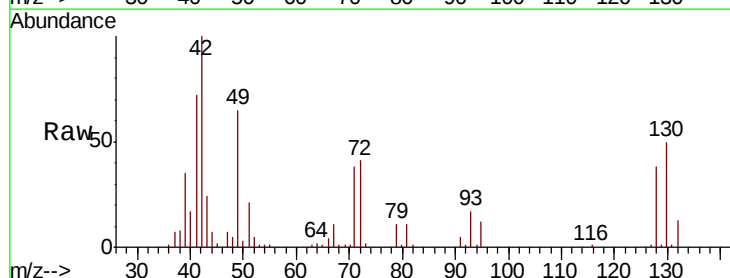
Tgt Ion: 49 Resp: 127593

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

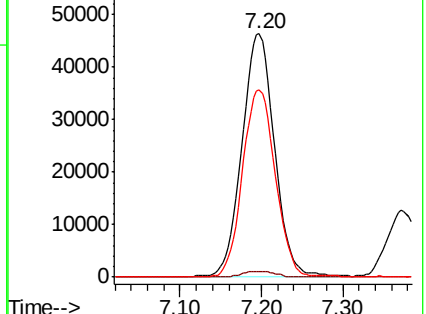
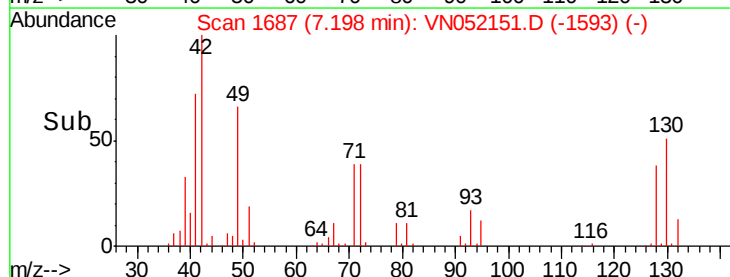
130 77.4 59.8 89.6

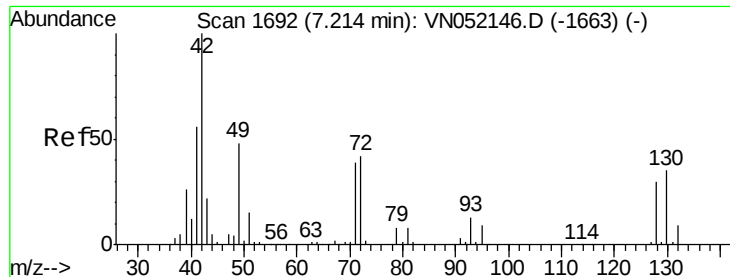


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

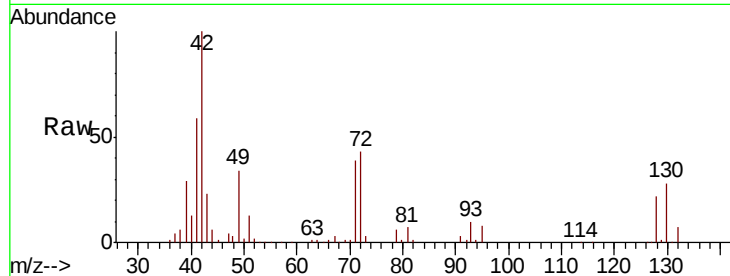




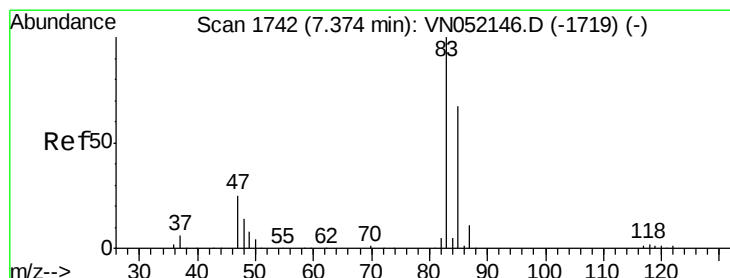
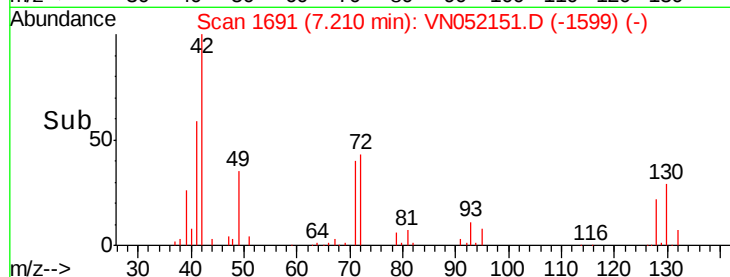
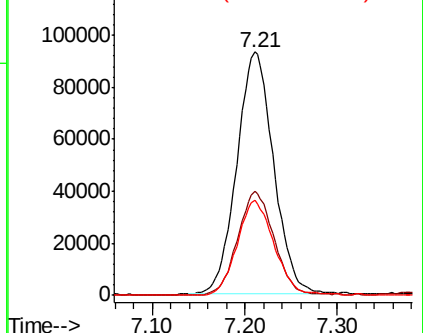
#29
Tetrahydrofuran
Concen: 225.543 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 256889
Ion Ratio Lower Upper
42 100
72 42.1 32.3 48.5
71 39.1 31.0 46.6

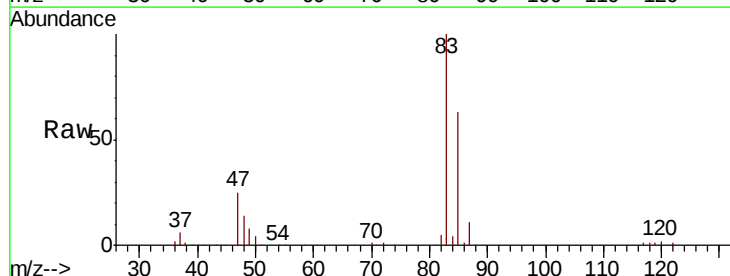


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

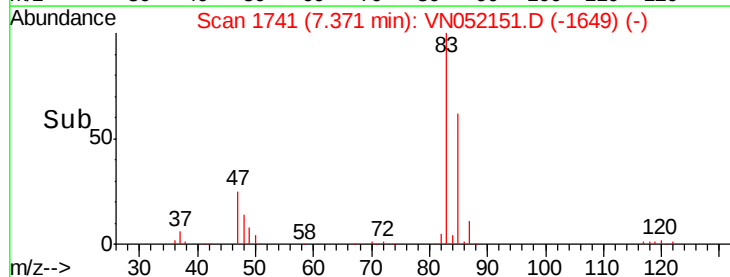
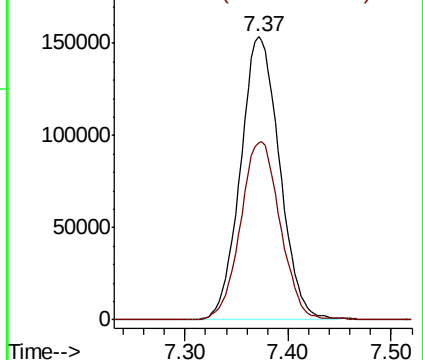


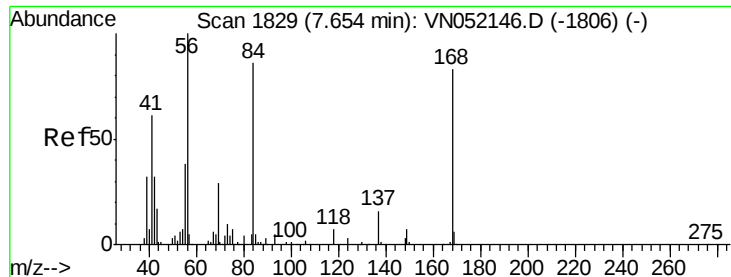
#30
Chloroform
Concen: 47.993 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion: 83 Resp: 404960
Ion Ratio Lower Upper
83 100
85 62.6 53.7 80.5



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

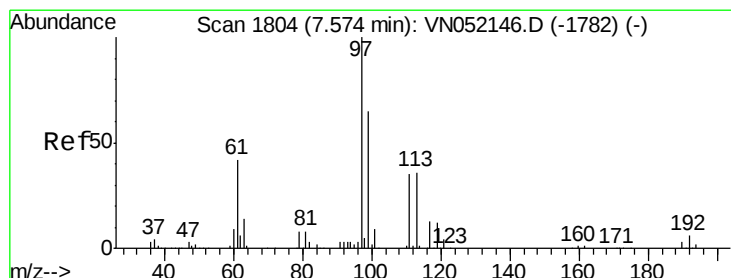
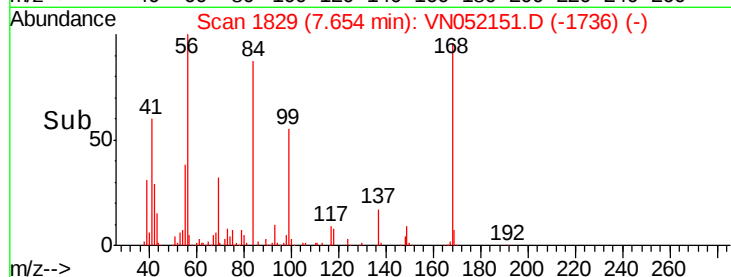
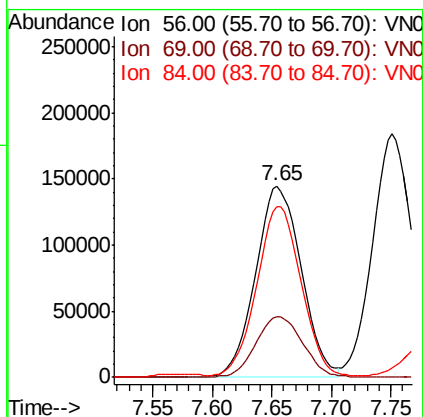
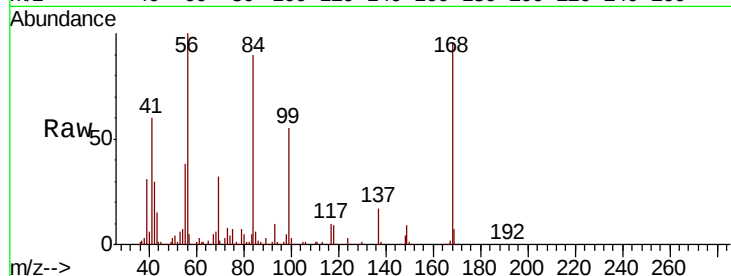




#31
Cyclohexane
Concen: 49.253 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

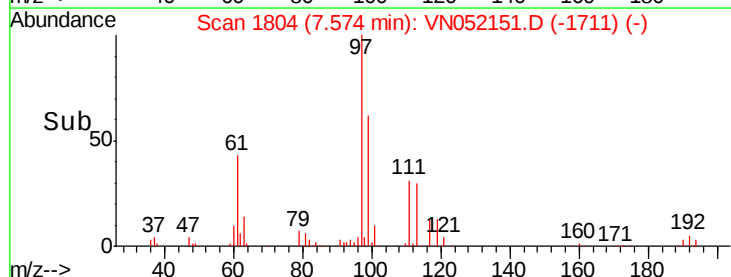
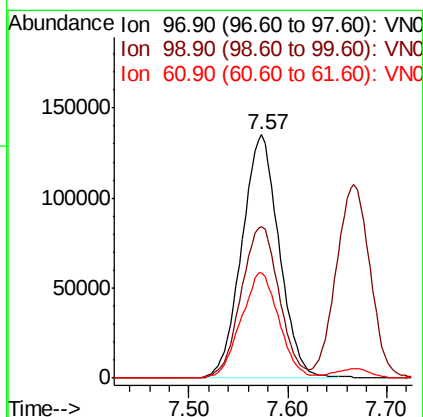
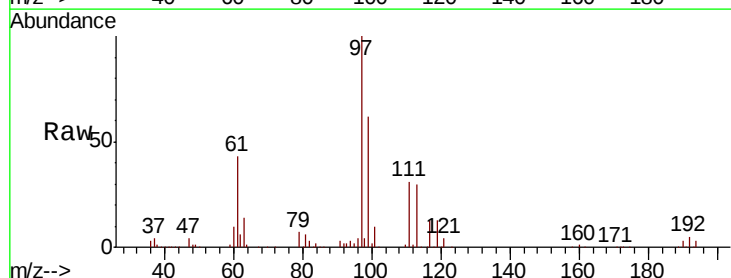
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

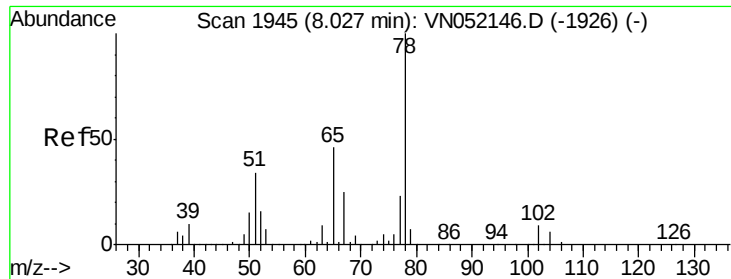
Tot Ion: 56 Resp: 385072
Ion Ratio Lower Upper
56 100
69 31.9 23.5 35.3
84 87.9 68.7 103.1



#32
1,1,1-Trichloroethane
Concen: 47.618 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion: 97 Resp: 353962
Ion Ratio Lower Upper
97 100
99 63.4 51.6 77.4
61 44.1 35.1 52.7

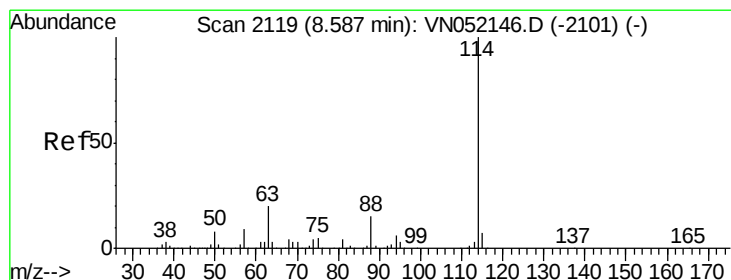
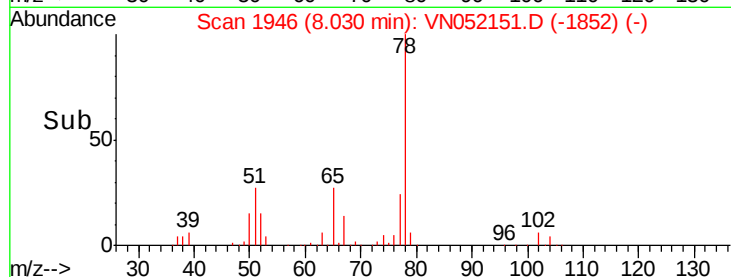
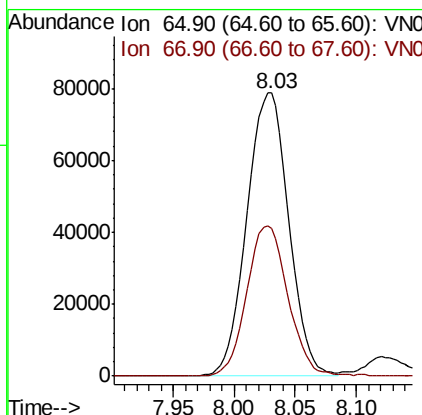
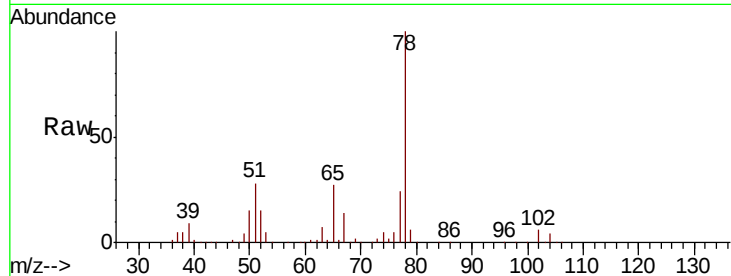




#33
 1,2-Dichloroethane-d4
 Concen: 47.618 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

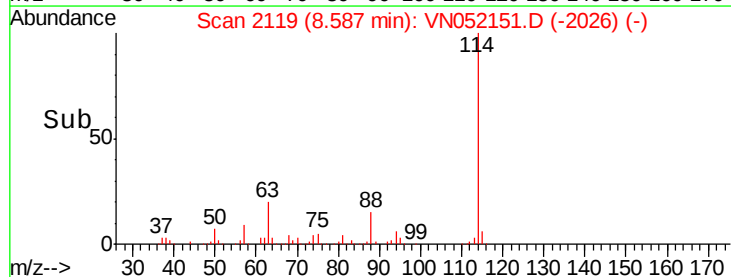
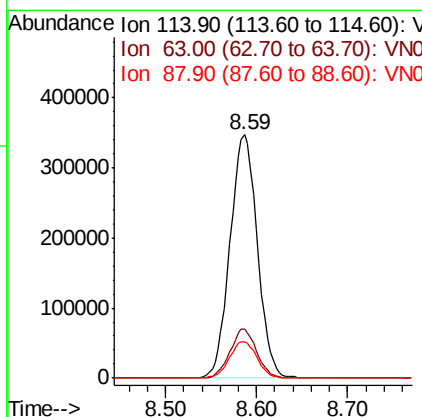
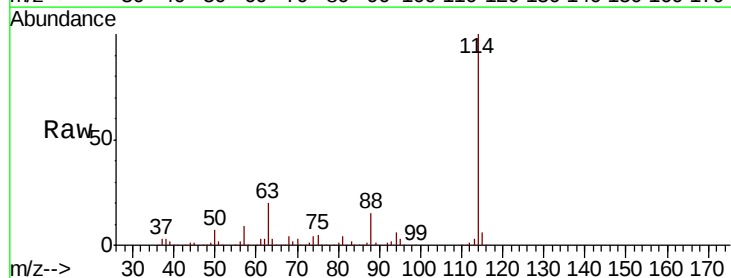
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

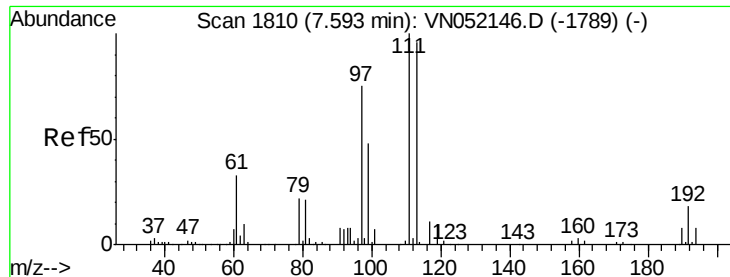
Tot Ion: 65 Resp: 187705
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion: 114 Resp: 723925
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.0 0.0 31.0

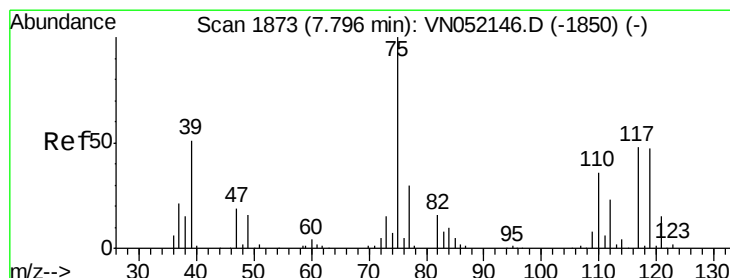
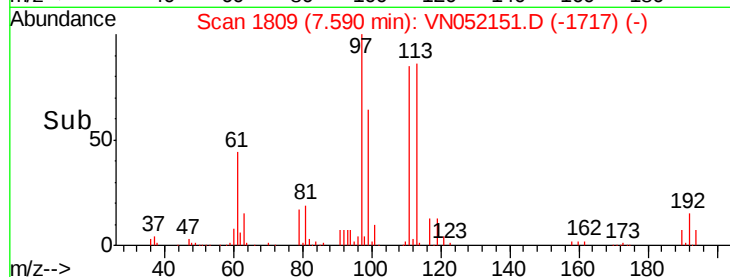
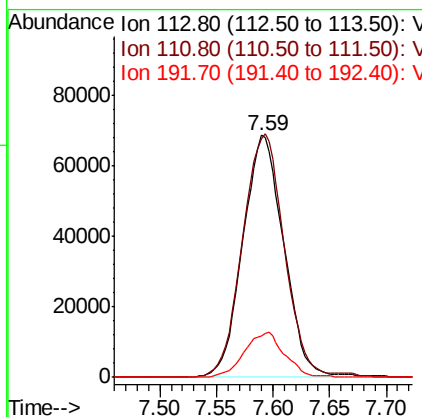
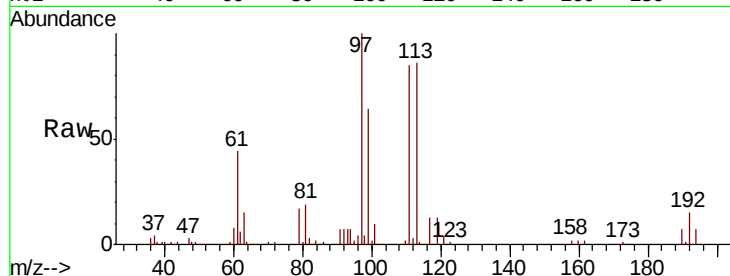




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

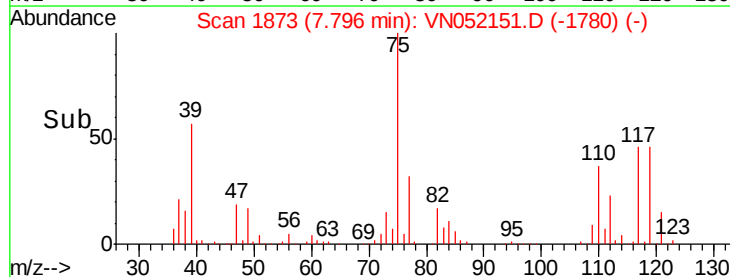
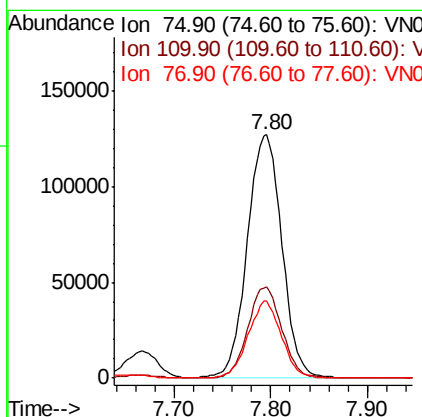
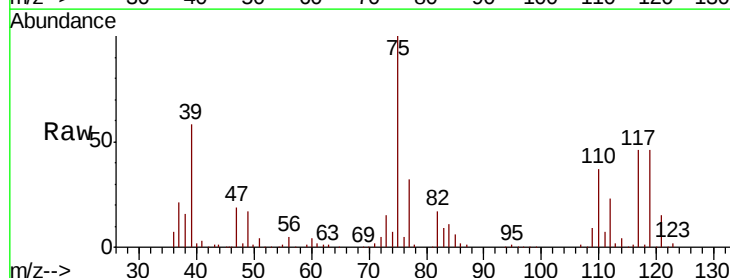
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

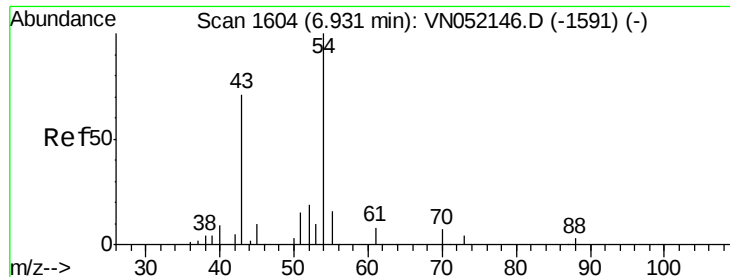
Tot Ion:113 Resp: 172525
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.7 122.5
 192 18.4 14.2 21.4



#36
 1,1-Dichloropropene
 Concen: 49.125 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion: 75 Resp: 314600
 Ion Ratio Lower Upper
 75 100
 110 36.9 17.8 53.5
 77 30.3 24.0 36.0

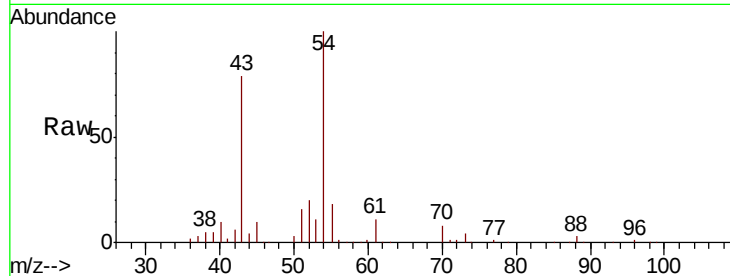




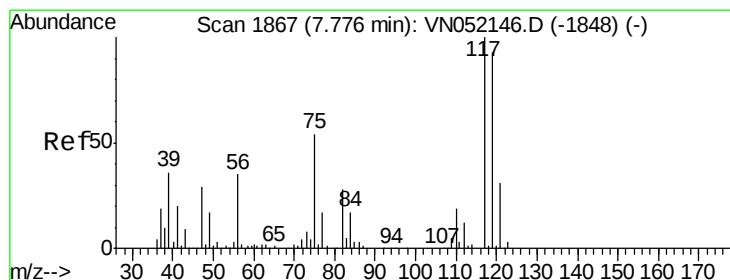
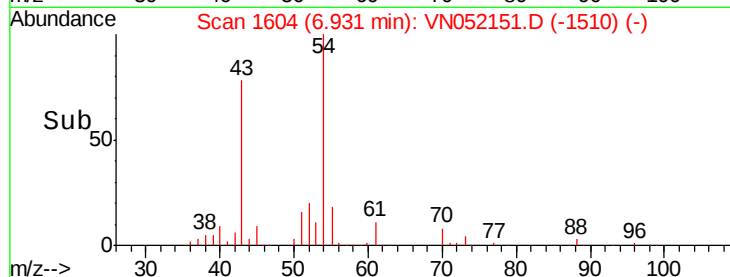
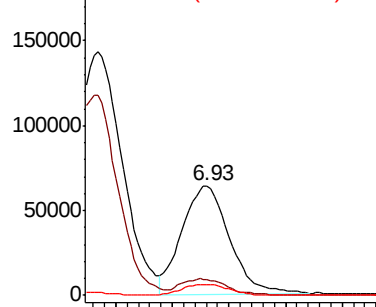
#37
Ethyl Acetate
Concen: 47.231 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 186338
Ion Ratio Lower Upper
43 100
61 14.3 9.4 14.2#
70 10.3 7.6 11.4

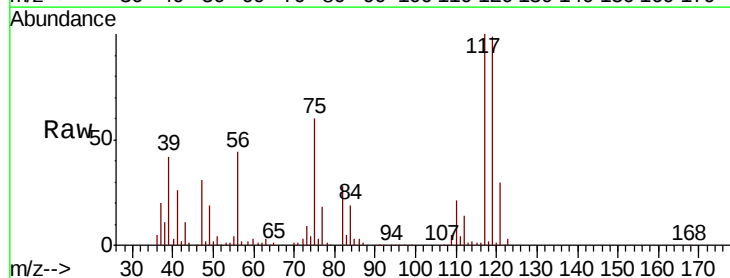


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

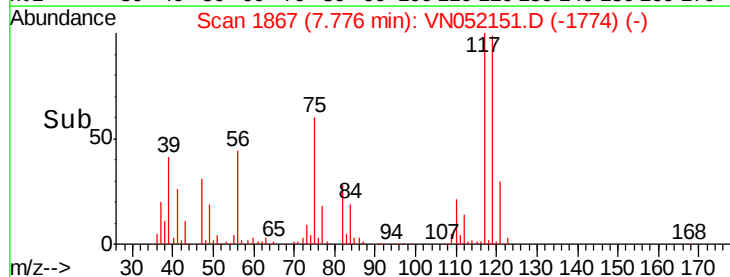
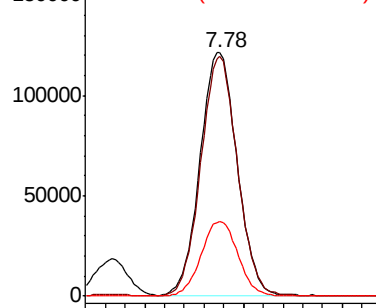


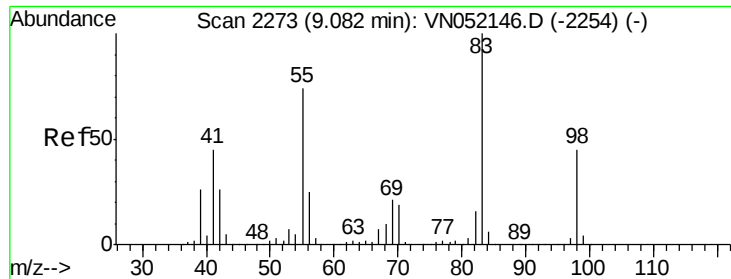
#38
Carbon Tetrachloride
Concen: 49.207 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion: 117 Resp: 315056
Ion Ratio Lower Upper
117 100
119 98.9 74.7 112.1
121 30.5 24.5 36.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

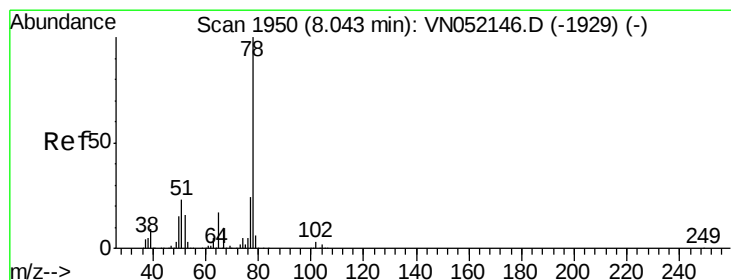
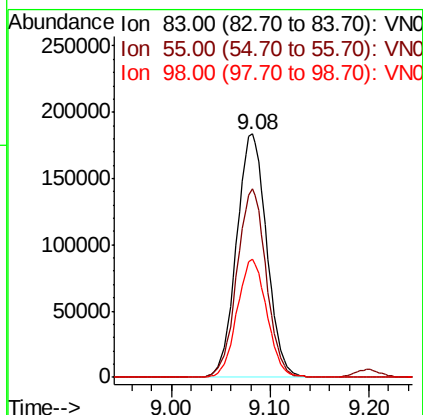
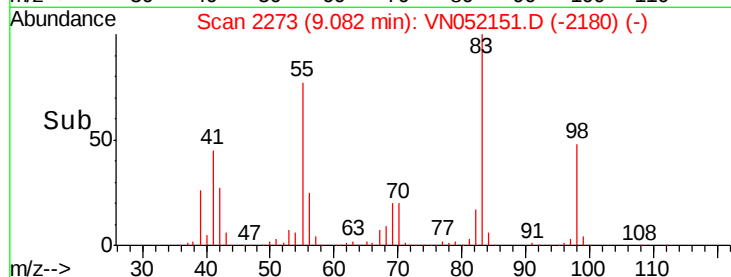
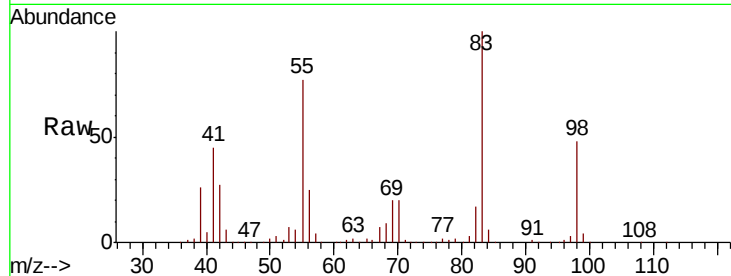




#39
Methvlcvclohexane
Concen: 51.103 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

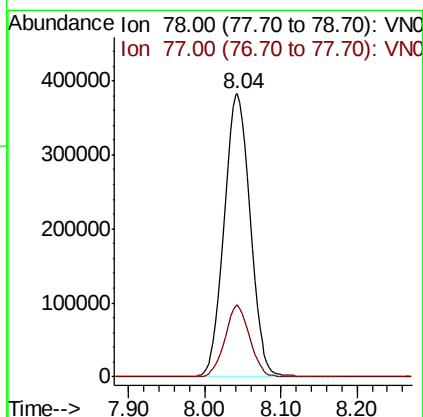
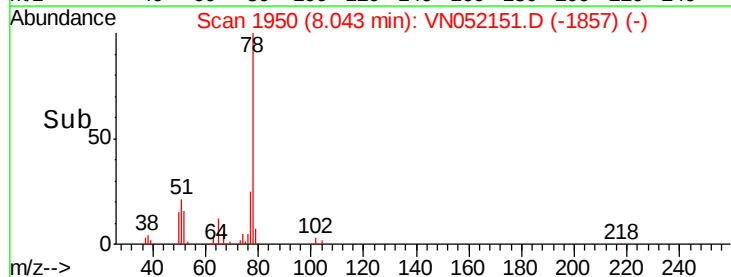
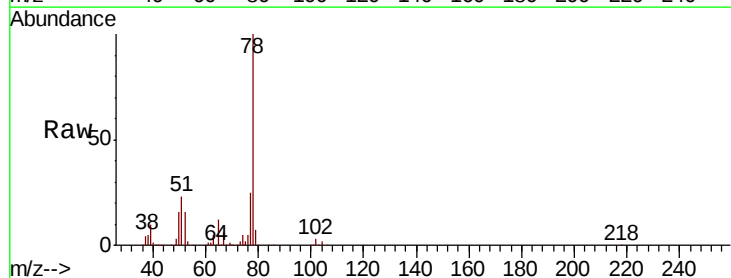
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

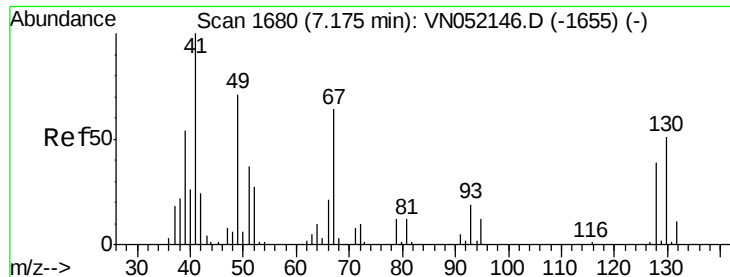
Tot Ion: 83 Resp: 387593
Ion Ratio Lower Upper
83 100
55 77.4 59.4 89.2
98 48.4 36.3 54.5



#40
Benzene
Concen: 48.759 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion: 78 Resp: 917930
Ion Ratio Lower Upper
78 100
77 25.3 19.1 28.7

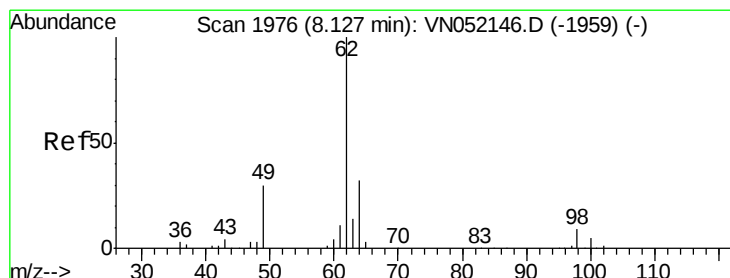
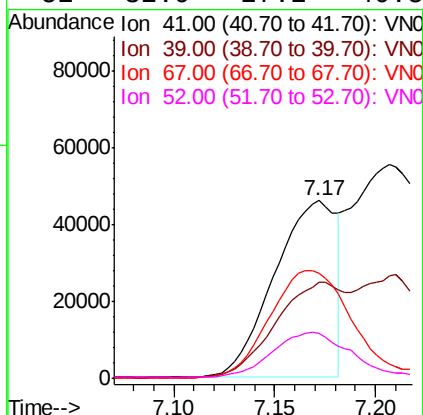
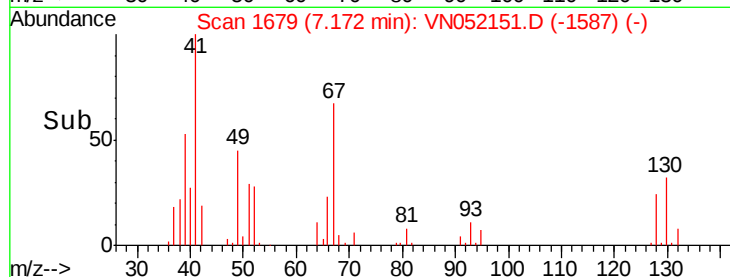
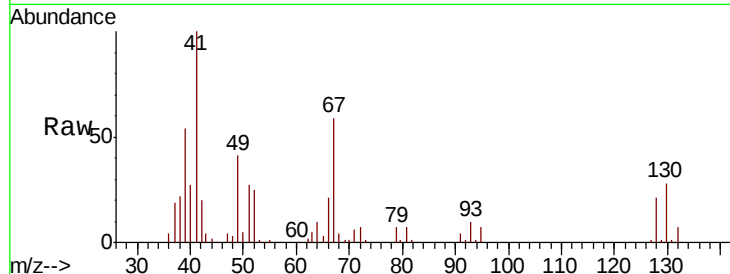




#41
Methacrylonitrile
Concen: 44.692 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

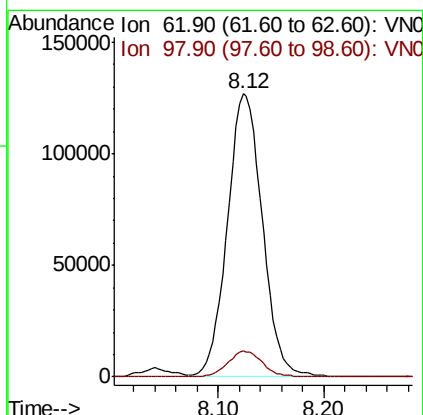
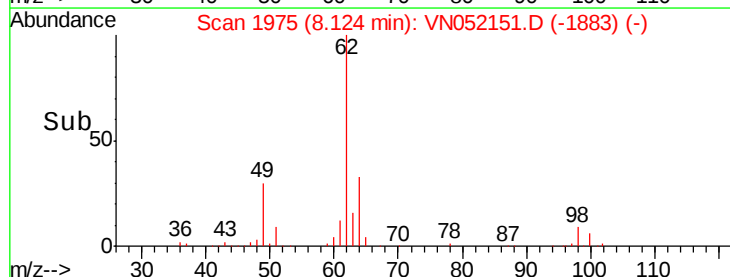
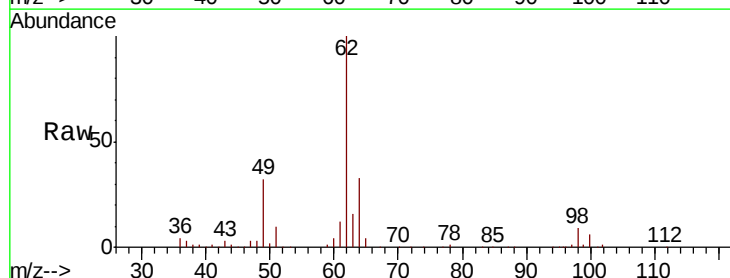
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

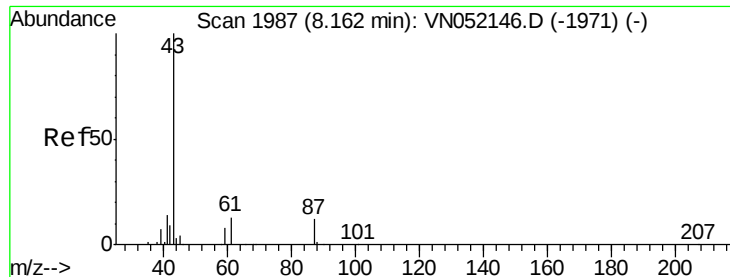
Tot Ion:	41	Resp:	98528
Ion	Ratio	Lower	Upper
41	100		
39	56.7	49.6	74.4
67	81.9	65.4	98.2
52	32.9	27.2	40.8



#42
1,2-Dichloroethane
Concen: 48.075 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion:	62	Resp:	290947
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43

Isopropyl Acetate

Concen: 46.400 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

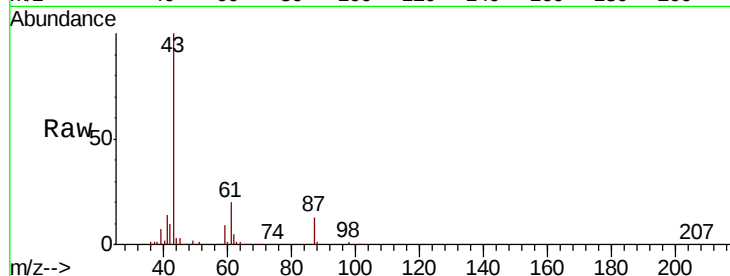
Tot Ion: 43 Resp: 339048

Ion Ratio Lower Upper

43 100

61 18.9 21.5 32.3#

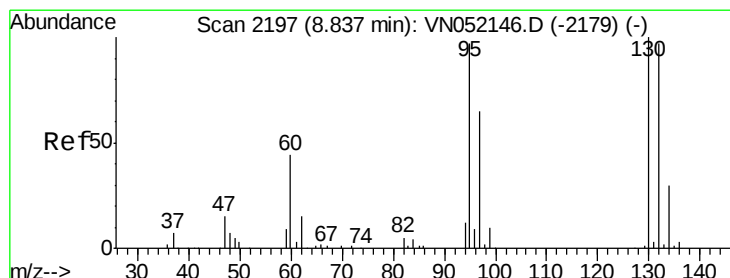
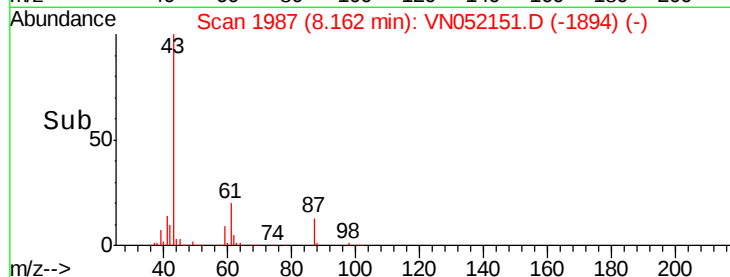
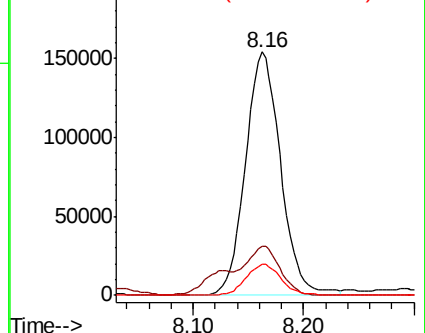
87 12.9 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN052146.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN052146.D (-1971) (-)



#44

Trichloroethene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052151.D

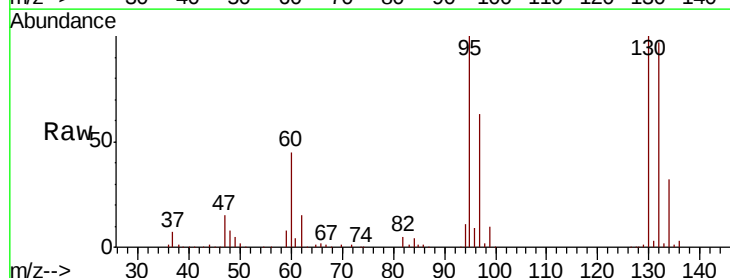
Acq: 5 Nov 2018 16:27

Tgt Ion:130 Resp: 249212

Ion Ratio Lower Upper

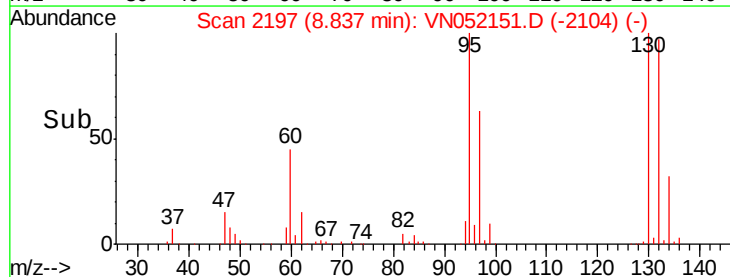
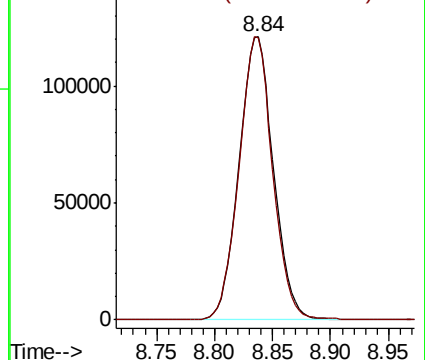
130 100

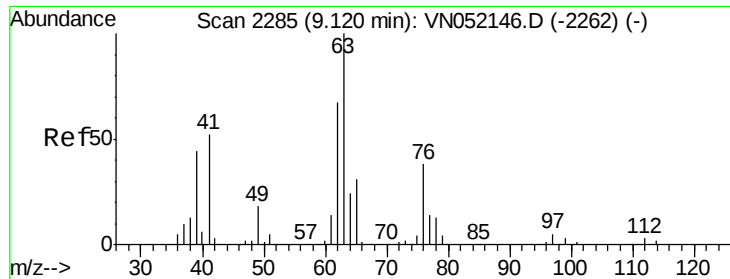
95 99.8 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): VN052146.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052146.D (-2179) (-)

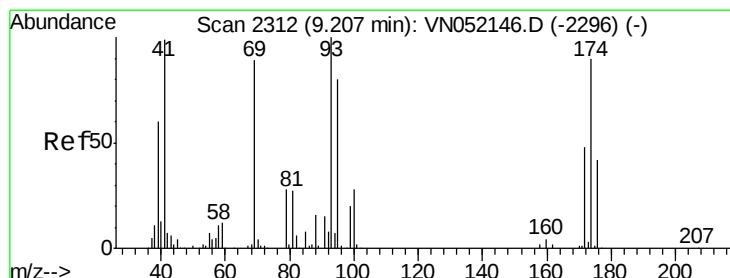
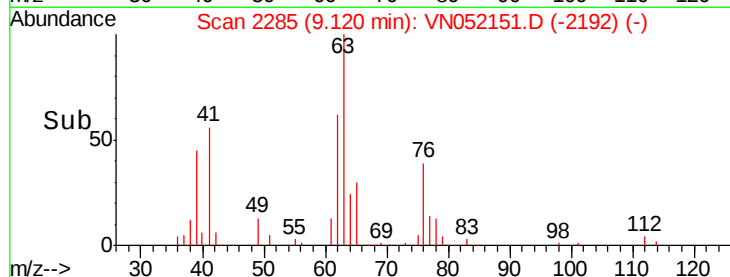
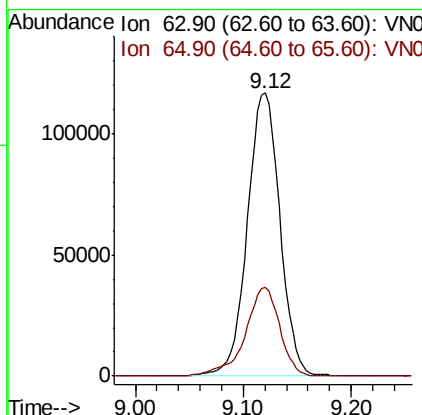
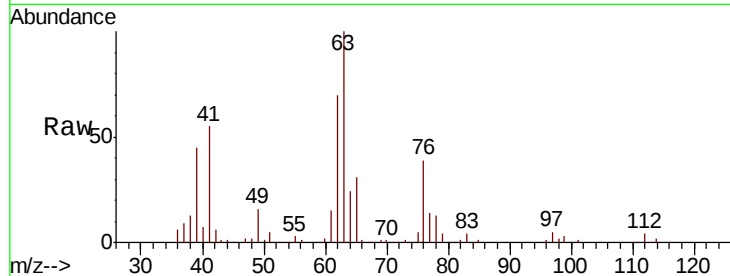




#45
 1,2-Dichloropropane
 Concen: 48.914 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

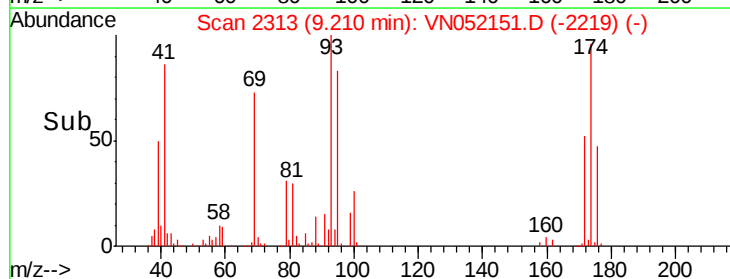
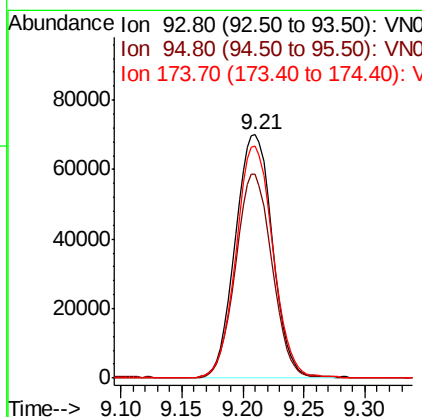
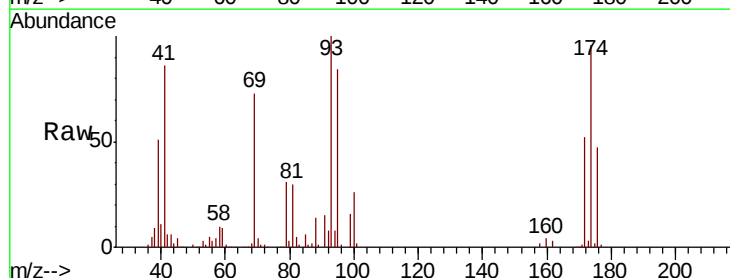
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

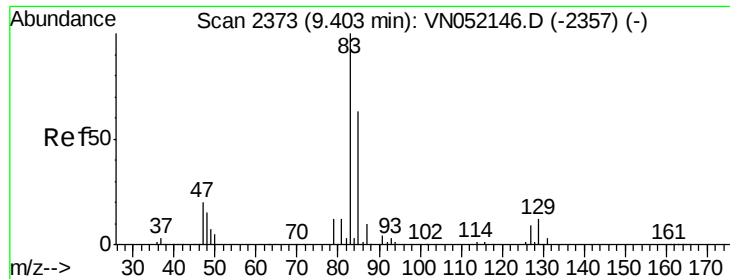
Tot Ion: 63 Resp: 243871
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.4 36.6



#46
 Dibromomethane
 Concen: 46.651 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion: 93 Resp: 147919
 Ion Ratio Lower Upper
 93 100
 95 81.8 64.5 96.7
 174 94.9 74.6 112.0





#47

Bromodichloromethane

Concen: 49.205 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

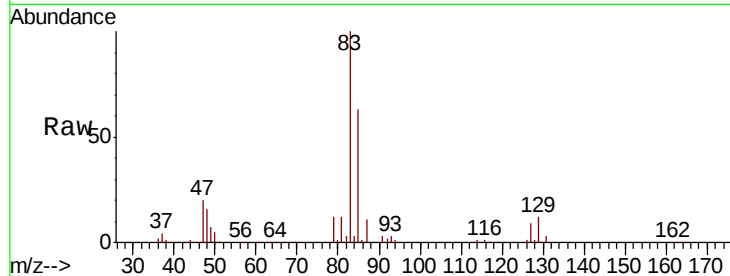
Tot Ion: 83 Resp: 304271

Ion Ratio Lower Upper

83 100

85 63.3 50.5 75.7

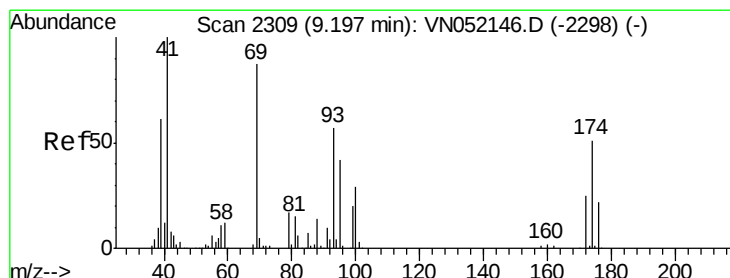
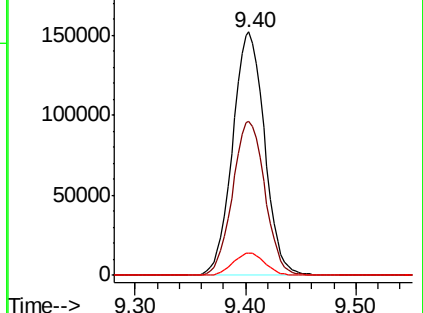
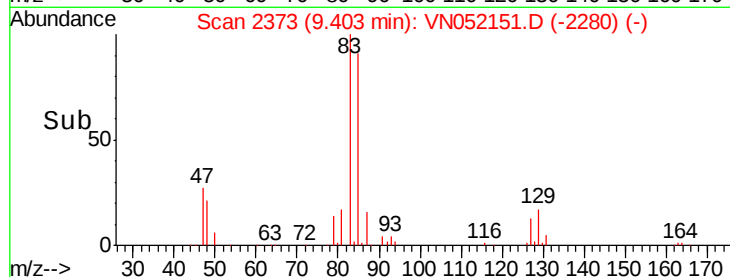
127 9.4 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN052151.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052151.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052151.D (-2280) (-)



#48

Methyl methacrylate

Concen: 47.922 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

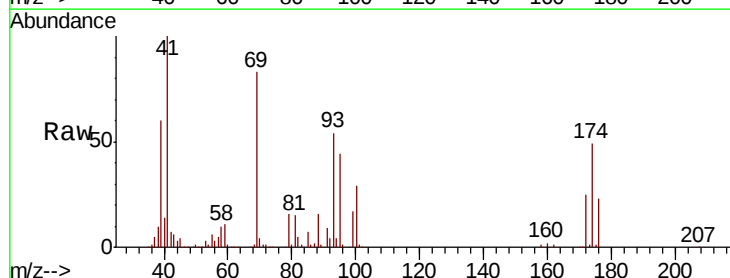
Tgt Ion: 41 Resp: 168535

Ion Ratio Lower Upper

41 100

69 88.4 69.7 104.5

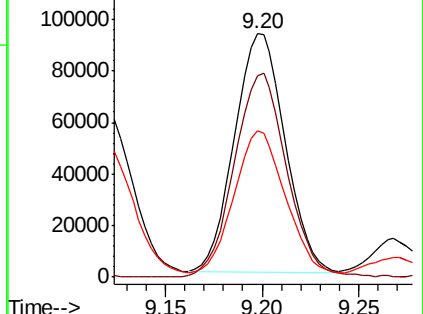
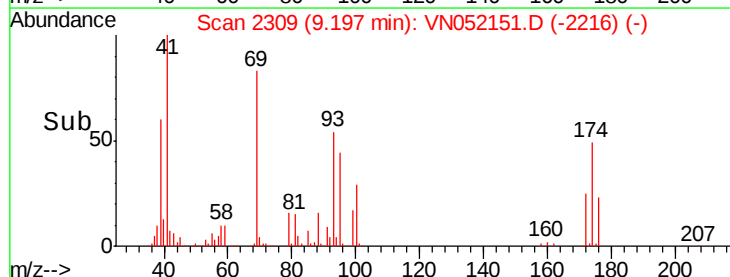
39 63.1 50.6 76.0

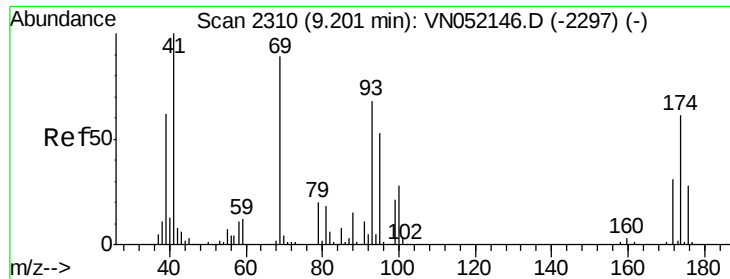


Abundance Ion 41.00 (40.70 to 41.70): VN052151.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052151.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052151.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1032.202 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

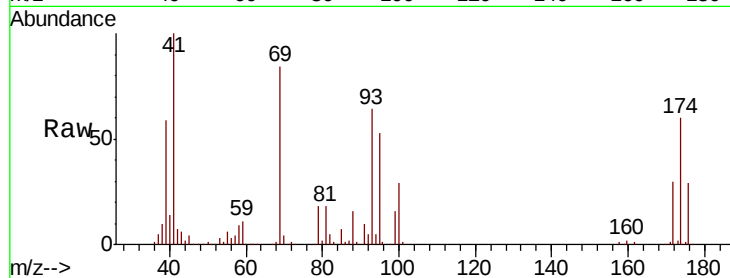
Tot Ion: 88 Resp: 30801

Ion Ratio Lower Upper

88 100

43 35.6 33.0 49.6

58 65.9 58.6 88.0



Abundance Ion 88.00 (87.70 to 88.70): VN052146.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN052146.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN052146.D (-2297) (-)

150000

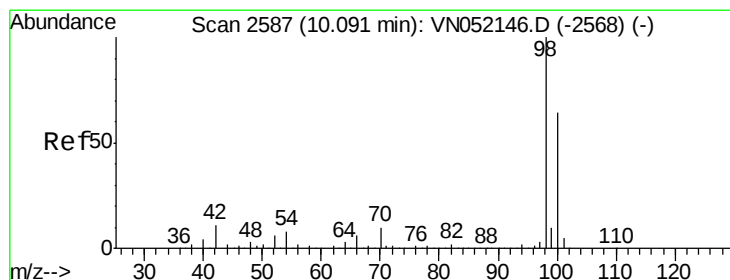
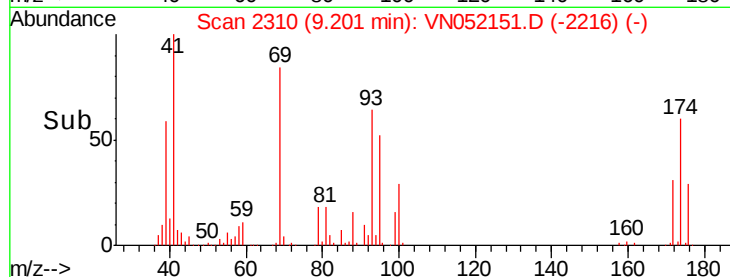
100000

50000

0

9.10 9.15 9.20 9.25 9.30

Time-->



#50

Toluene-d8

Concen: 1032.202 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052151.D

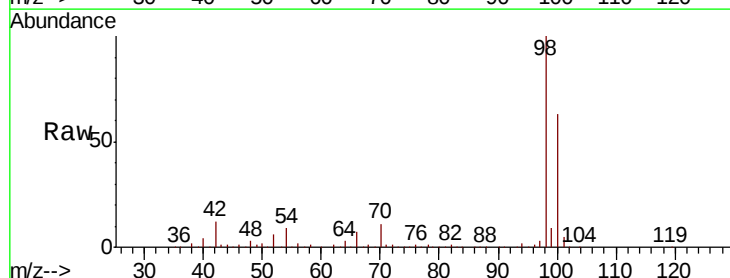
Acq: 5 Nov 2018 16:27

Tgt Ion: 98 Resp: 670555

Ion Ratio Lower Upper

98 100

100 61.8 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN052146.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN052146.D (-2568) (-)

400000

300000

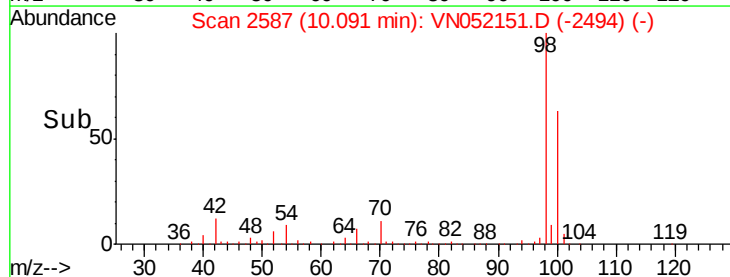
200000

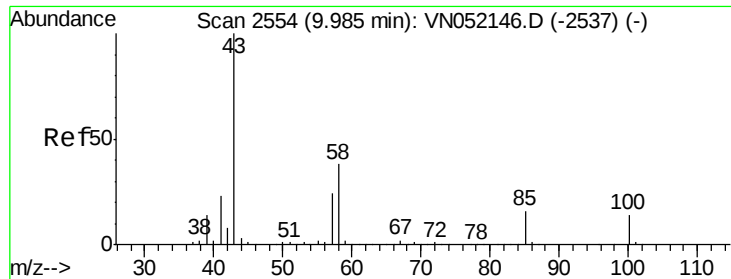
100000

0

10.00 10.10

Time-->





#51

4-Methyl-2-Pentanone

Concen: 239.395 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

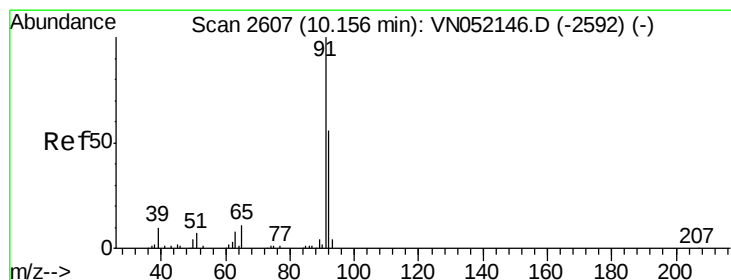
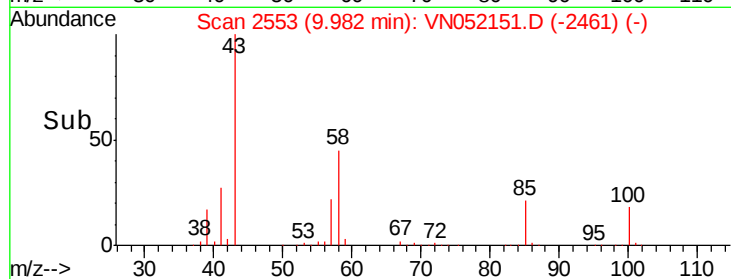
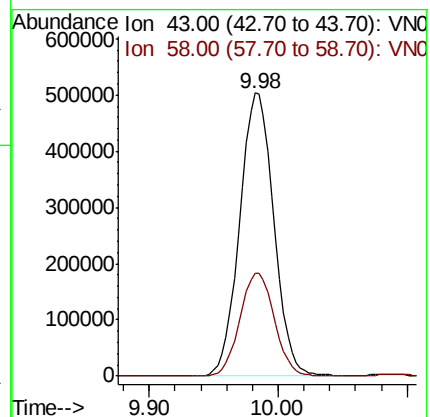
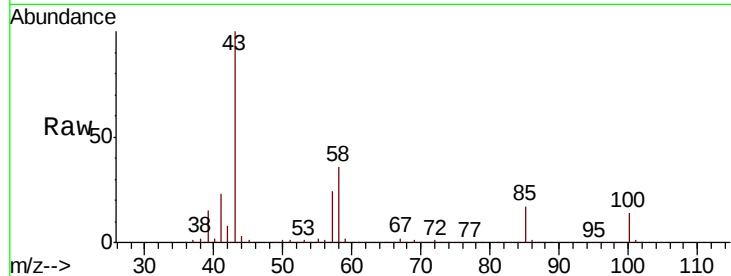
VSTDCCC050

Tot Ion: 43 Resp: 924148

Ion Ratio Lower Upper

43 100

58 37.0 29.6 44.4



#52

Toluene

Concen: 51.152 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052151.D

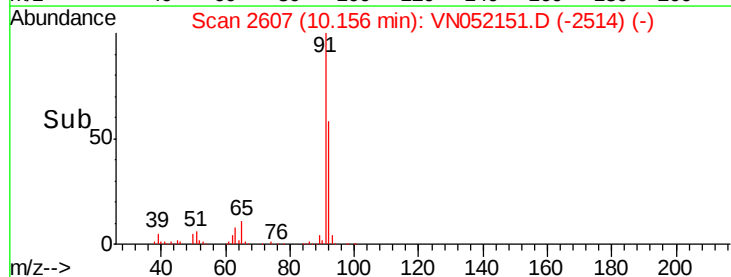
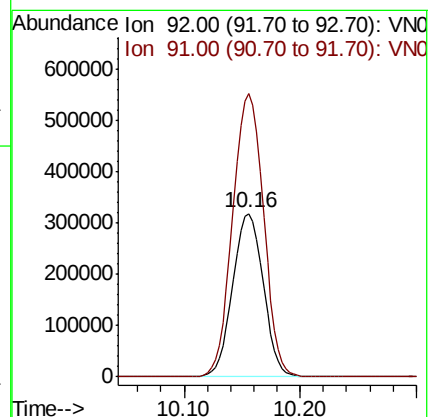
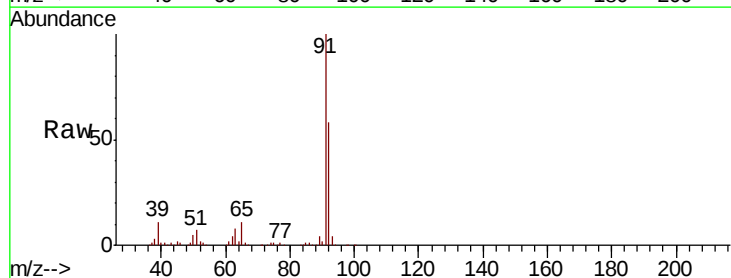
Acq: 5 Nov 2018 16:27

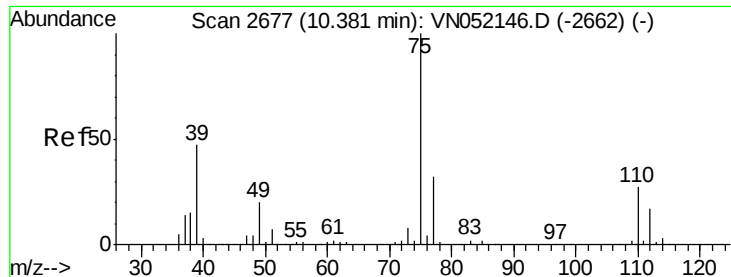
Tgt Ion: 92 Resp: 580702

Ion Ratio Lower Upper

92 100

91 175.4 142.5 213.7





#53

t-1,3-Dichloropropene

Concen: 50.771 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

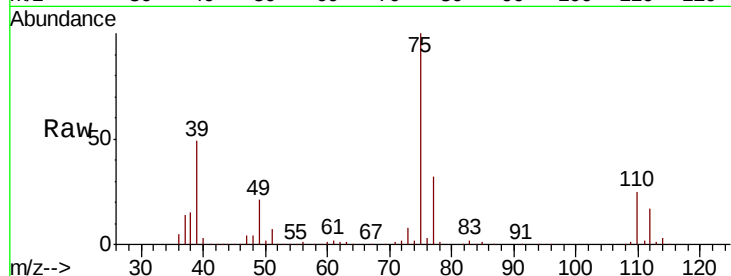
VSTDCCC050

Tot Ion: 75 Resp: 307994

Ion Ratio Lower Upper

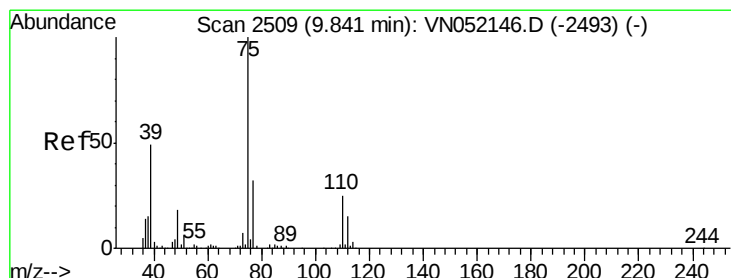
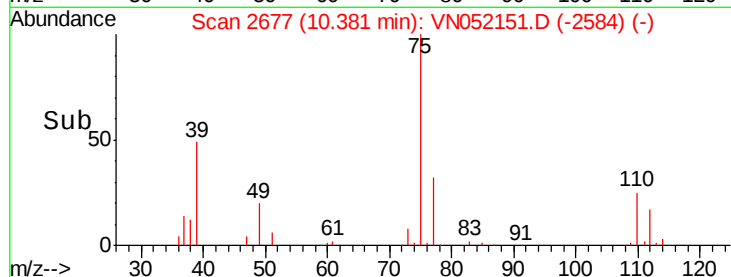
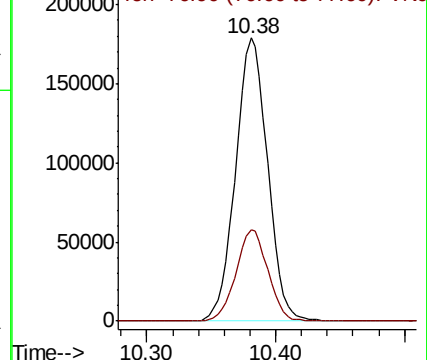
75 100

77 32.2 25.8 38.6



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: 51.369 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

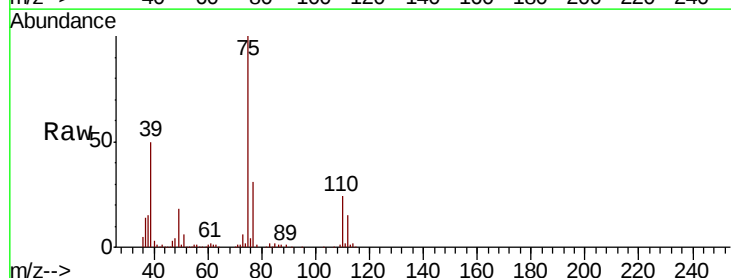
Tgt Ion: 75 Resp: 364654

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8

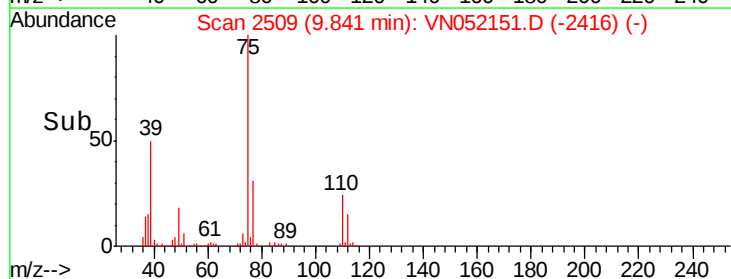
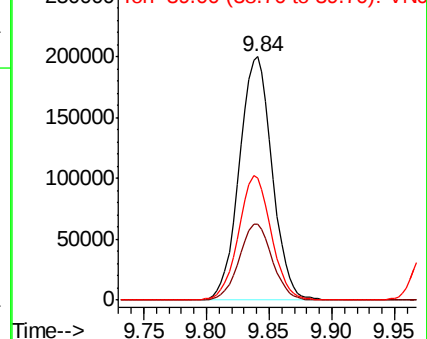
39 49.9 39.2 58.8

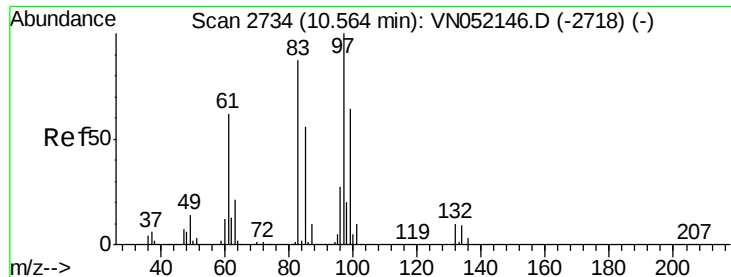


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 50.777 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 203238

Ion	Ratio	Lower	Upper
97	100		
83	82.7	69.3	103.9
85	53.8	44.9	67.3
99	59.9	51.5	77.3

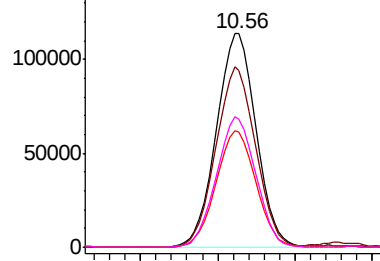
Abundance

Ion 96.90 (96.60 to 97.60): VNO

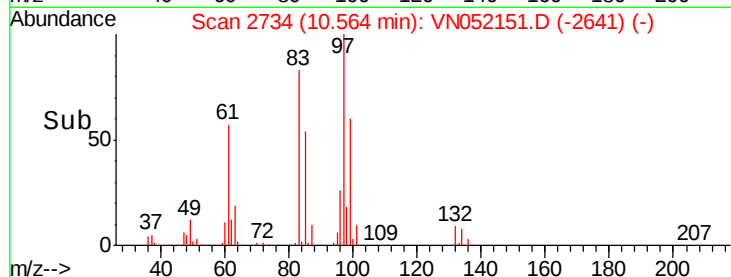
Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#56

Ethyl methacrylate

Concen: 48.980 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Tgt Ion: 69 Resp: 255535

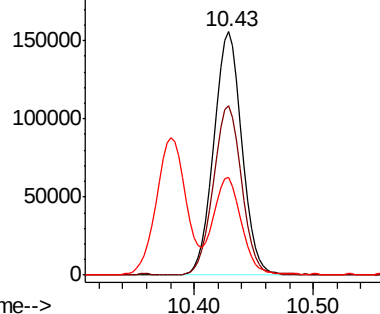
Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.4	83.0
39	39.3	32.0	48.0

Abundance

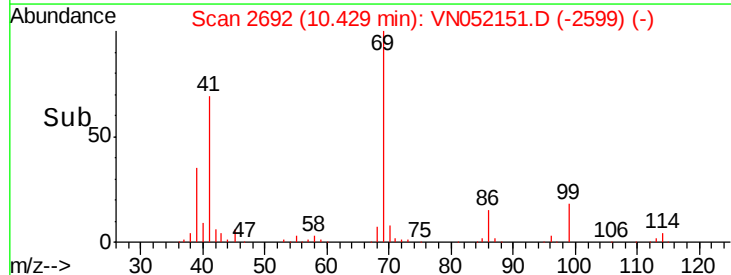
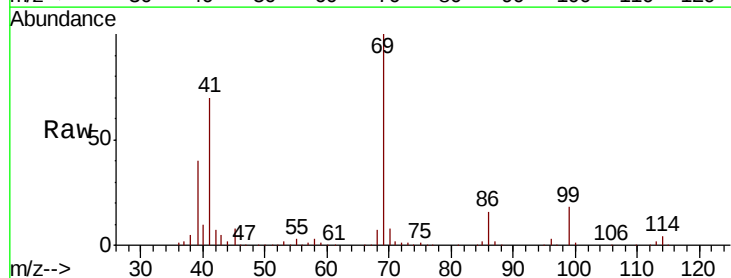
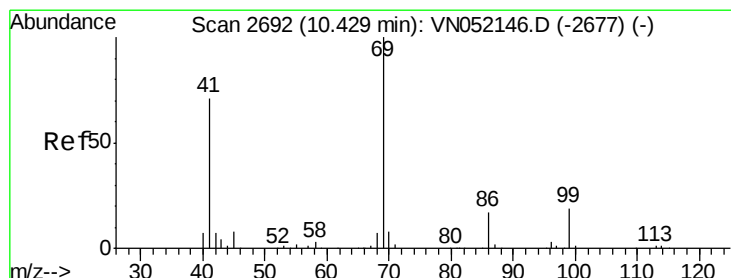
Ion 69.00 (68.70 to 69.70): VNO

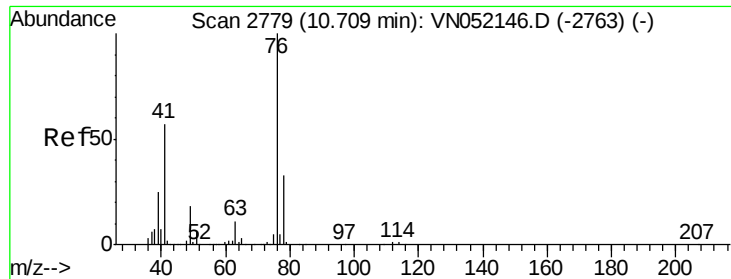
Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



Time-->

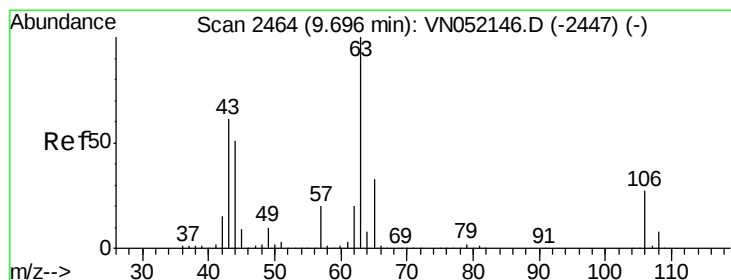
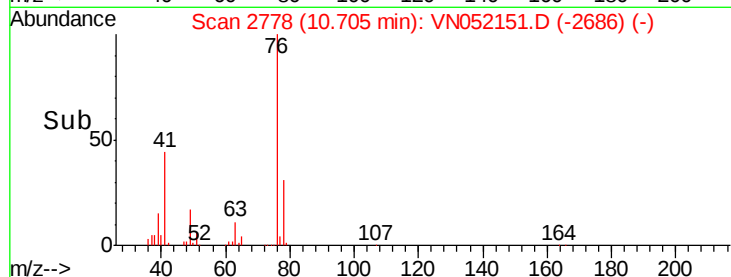
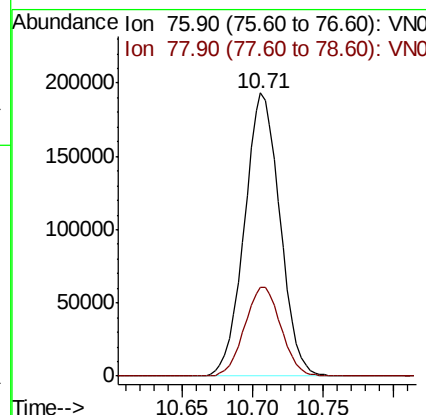
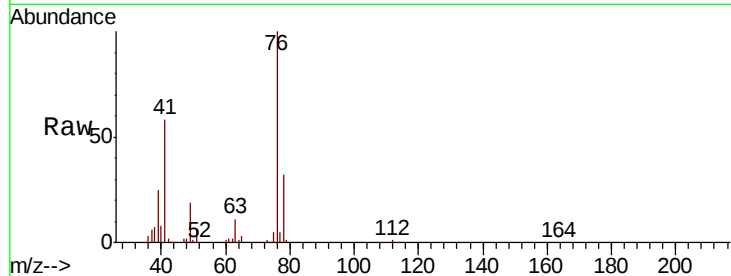




#57
 1,3-Dichloropropane
 Concen: 48.378 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

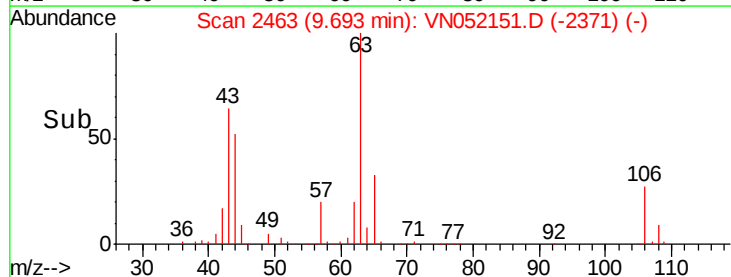
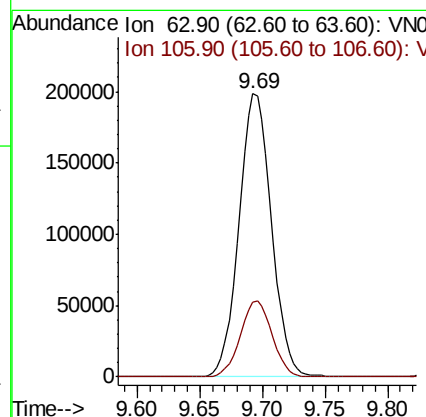
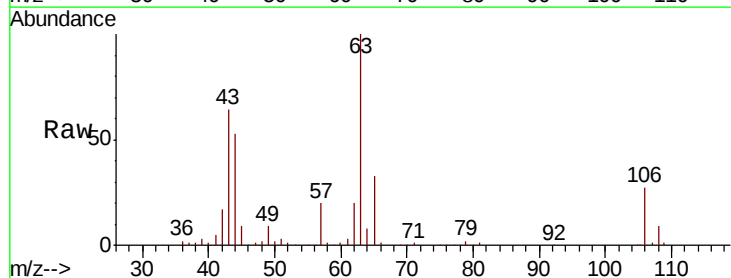
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

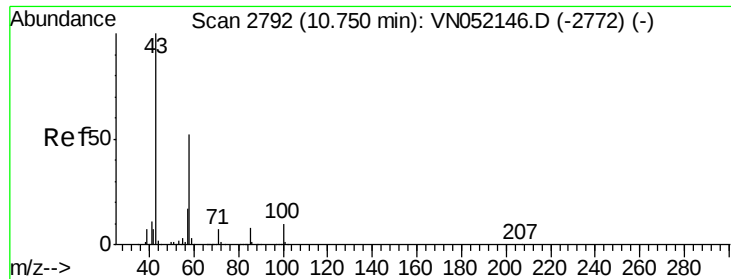
Tot Ion: 76 Resp: 341128
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 126.902 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion: 63 Resp: 356306
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.0 31.4

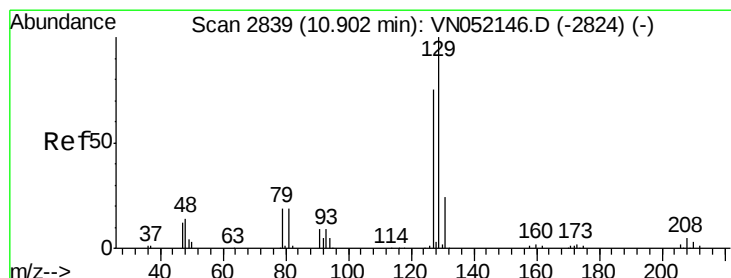
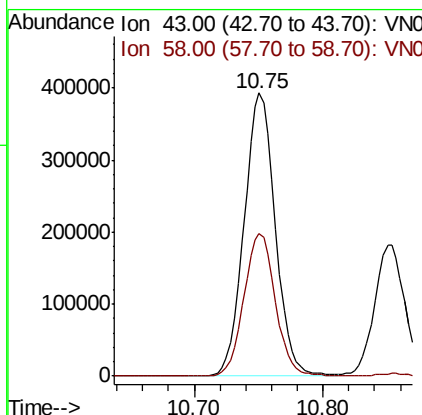
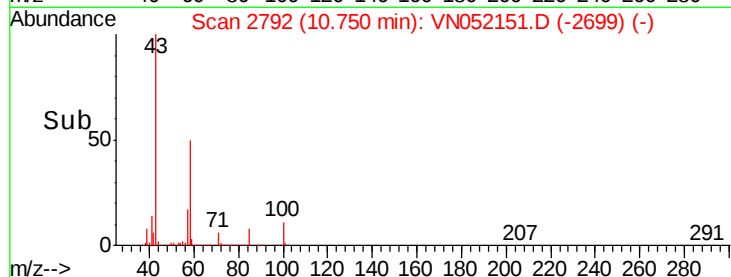
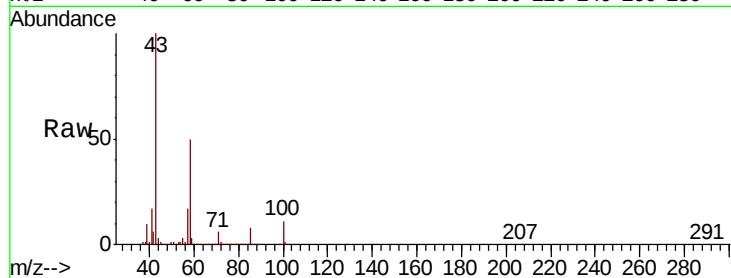




#59
2-Hexanone
Concen: 245.317 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

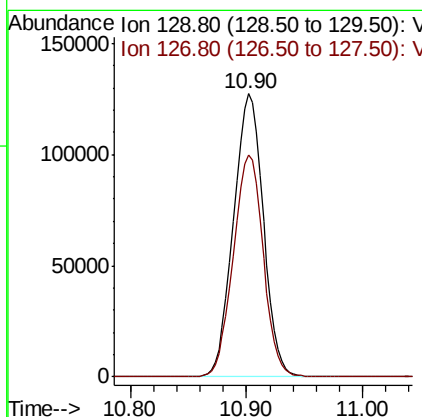
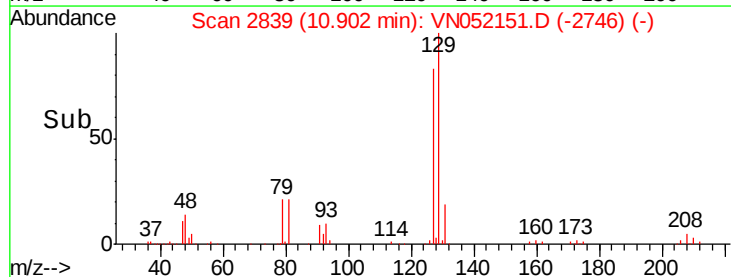
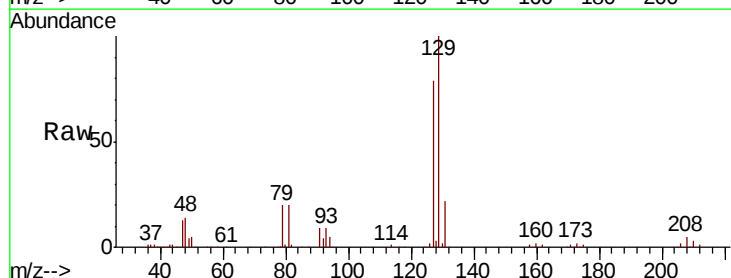
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

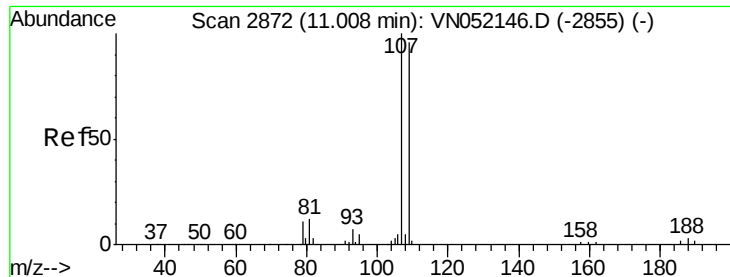
Tot Ion: 43 Resp: 659236
Ion Ratio Lower Upper
43 100
58 50.9 25.8 77.4



#60
Dibromochloromethane
Concen: 49.761 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion: 129 Resp: 226501
Ion Ratio Lower Upper
129 100
127 78.5 38.0 114.1

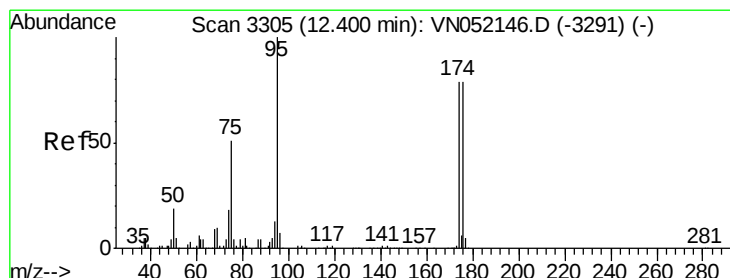
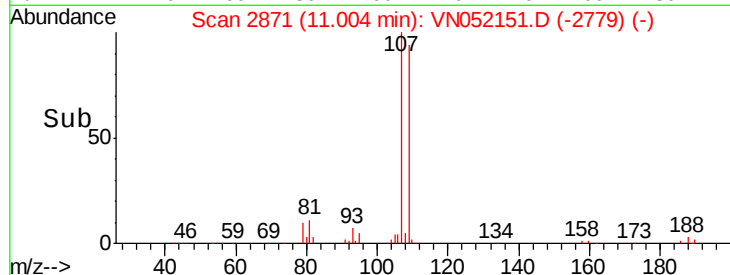
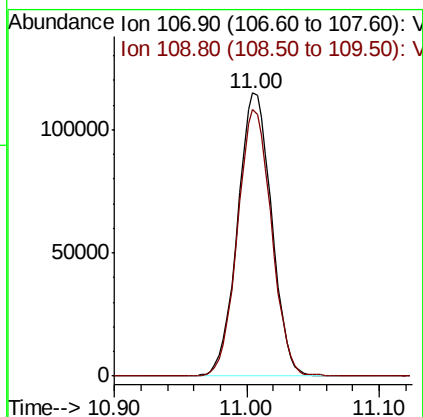
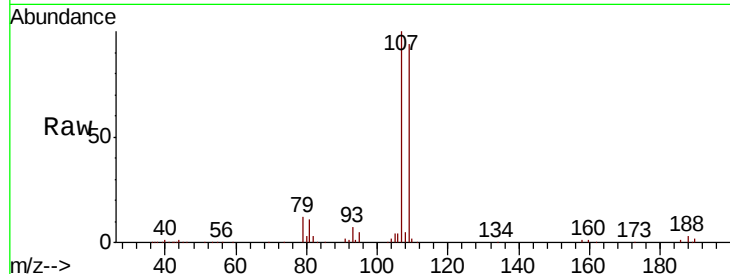




#61
 1,2-Dibromoethane
 Concen: 50.389 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

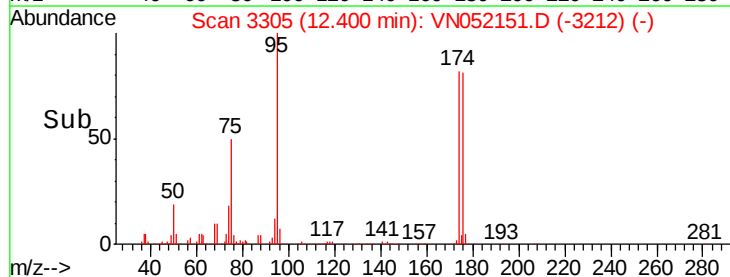
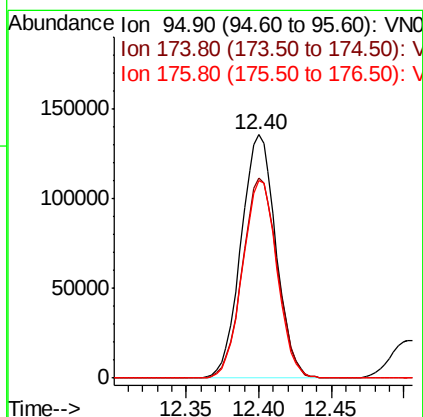
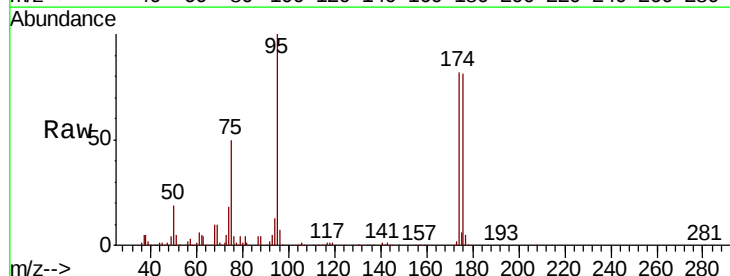
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

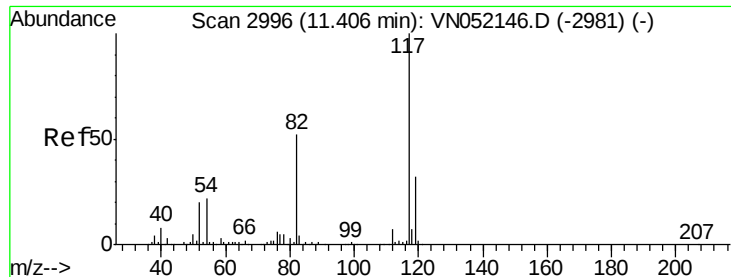
Tot Ion: 107 Resp: 204731
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 50.389 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion: 95 Resp: 226943
 Ion Ratio Lower Upper
 95 100
 174 82.6 0.0 162.6
 176 80.3 0.0 155.4

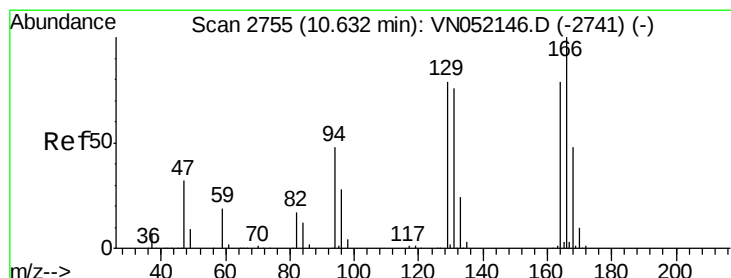
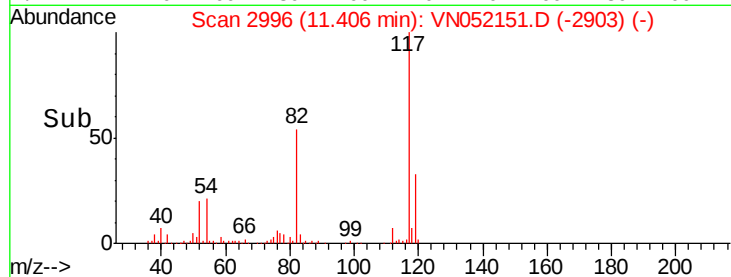
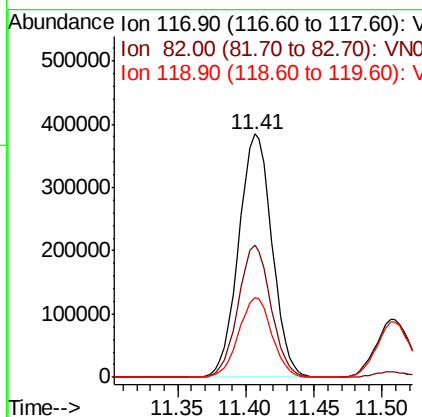
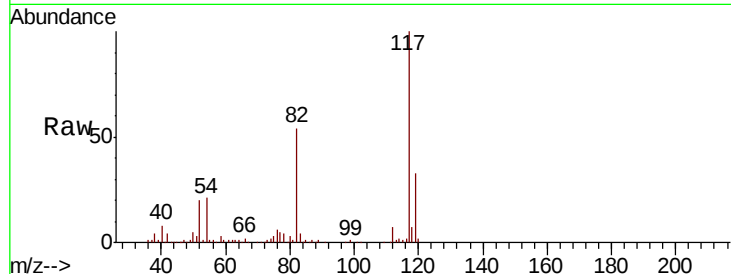




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

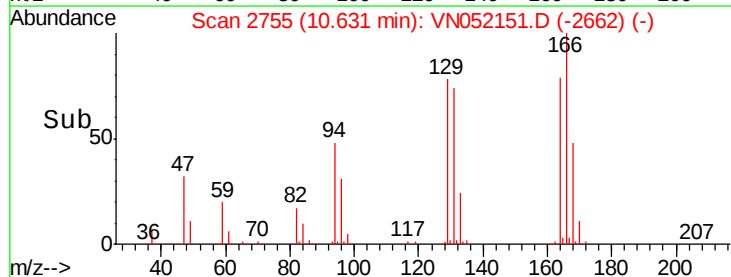
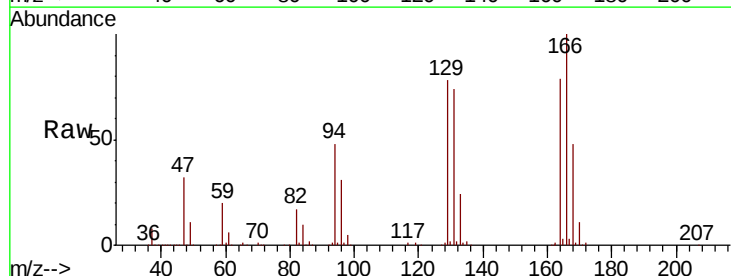
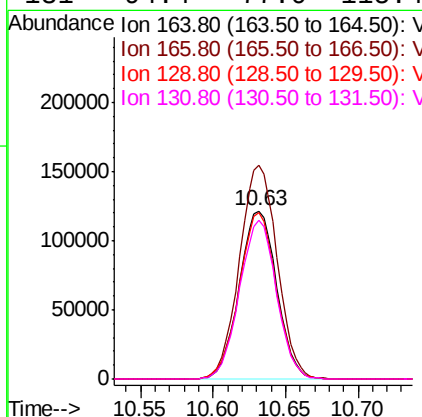
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

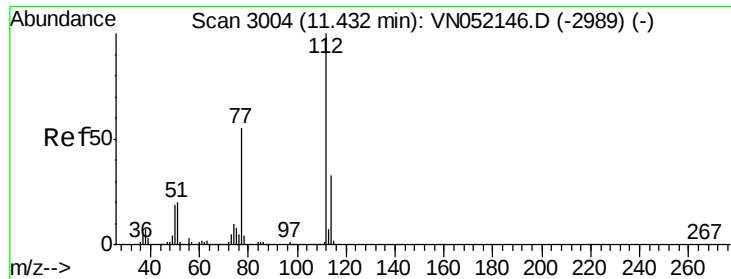
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	41.9	62.9
119	32.9	25.7	38.5



#64
Tetrachloroethene
Concen: 51.469 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	100.8	151.2
129	99.0	79.1	118.7
131	94.4	77.0	115.4

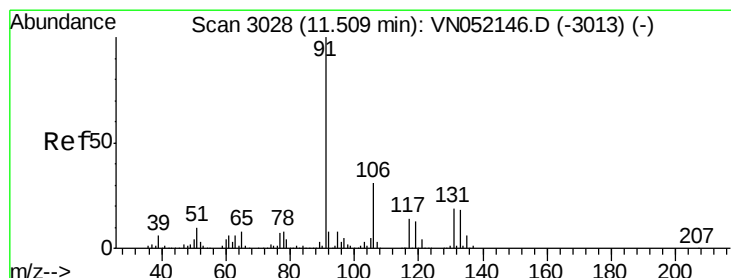
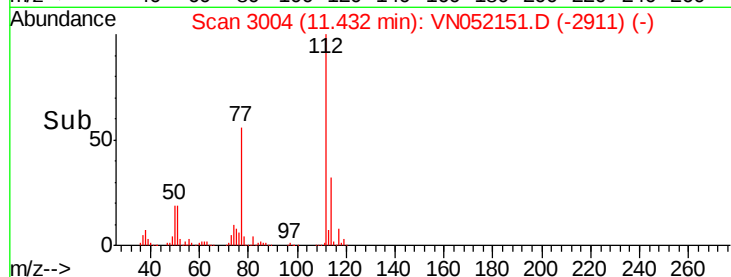
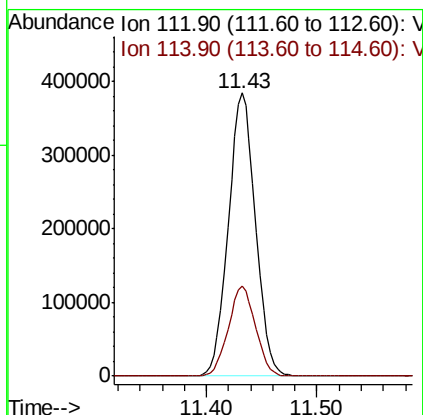
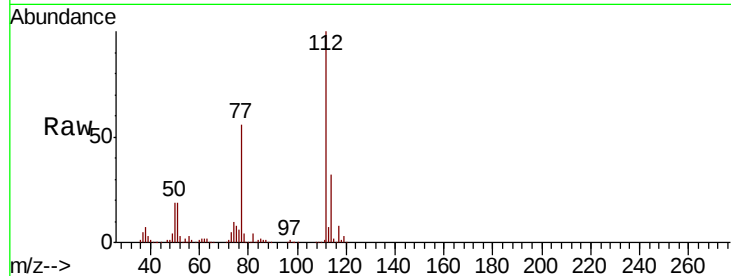




#65
Chlorobenzene
Concen: 48.930 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

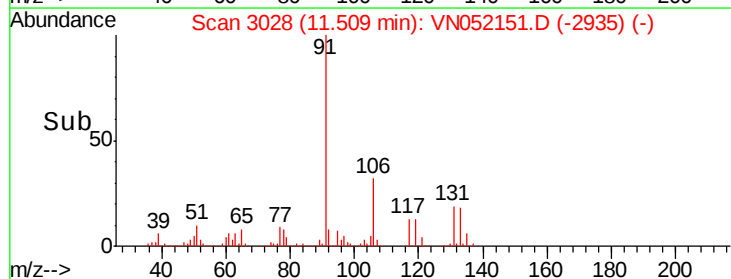
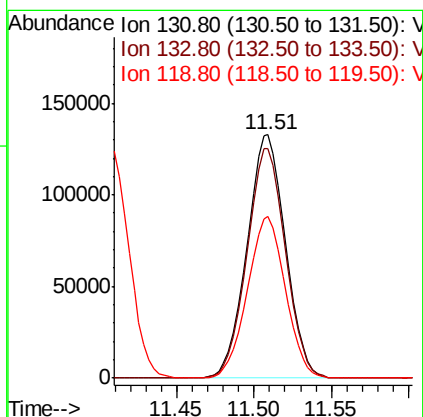
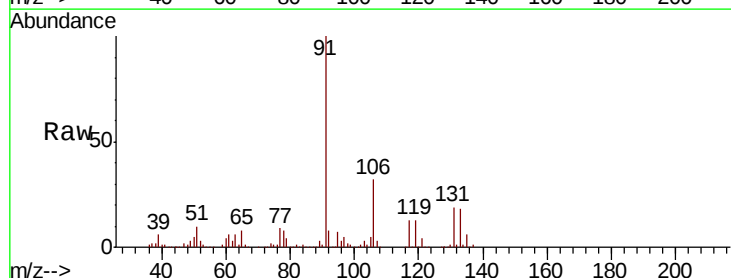
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

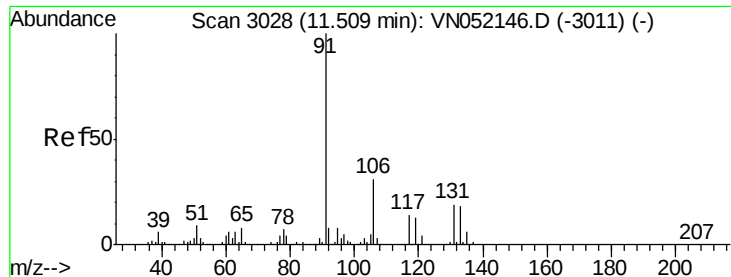
Tot Ion:112 Resp: 653337
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.261 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion:131 Resp: 229864
Ion Ratio Lower Upper
131 100
133 94.5 46.6 139.8
119 65.8 33.6 100.8

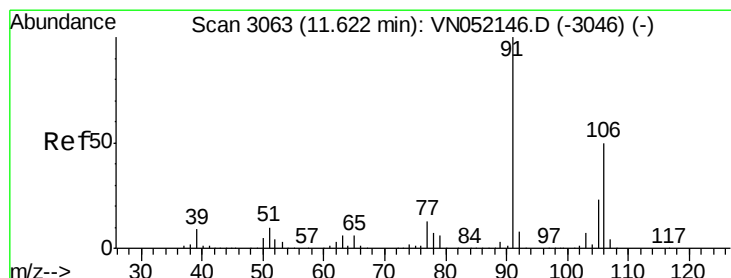
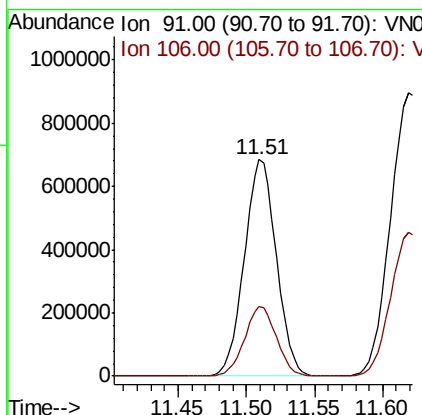
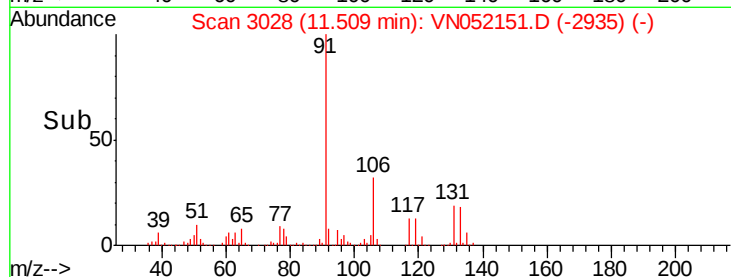
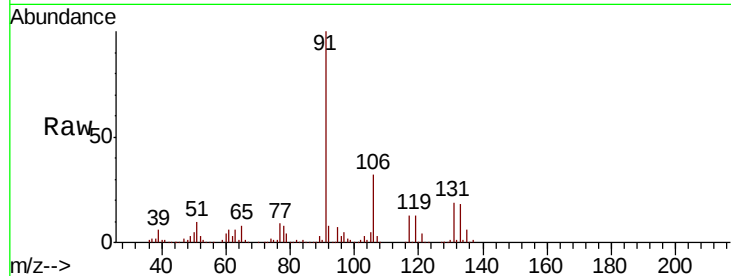




#67
Ethyl Benzene
Concen: 50.238 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

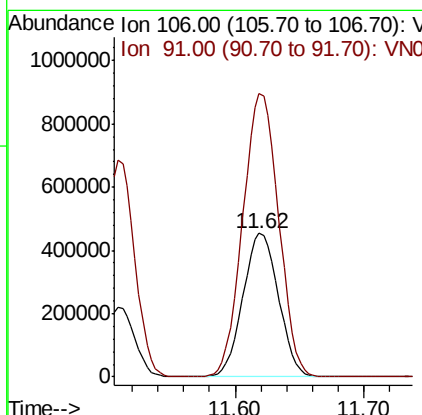
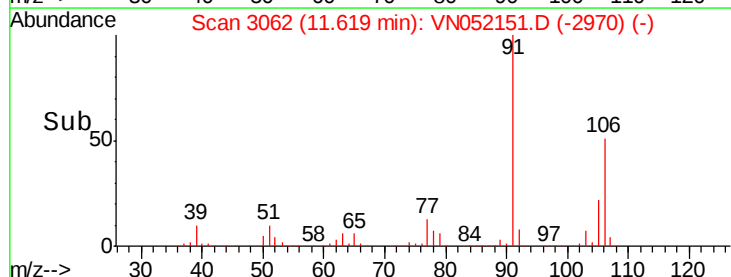
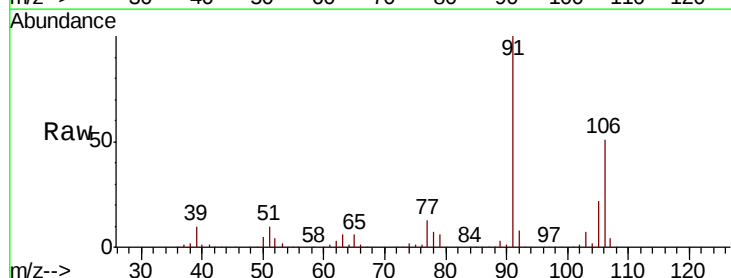
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

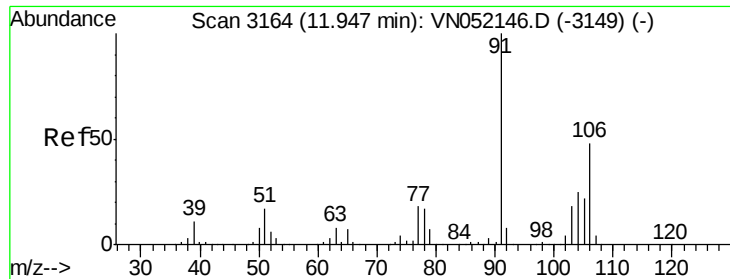
Tot Ion: 91 Resp: 1114160
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7



#68
m/p-Xylenes
Concen: 101.971 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion: 106 Resp: 872605
Ion Ratio Lower Upper
106 100
91 198.8 158.2 237.4

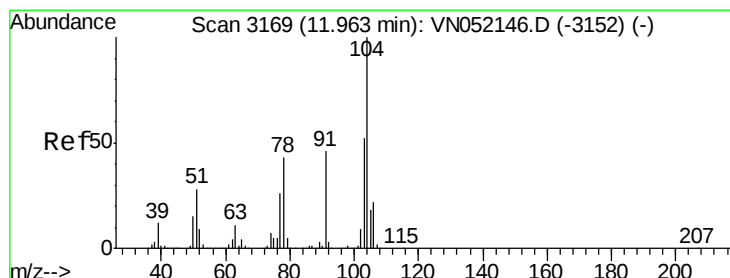
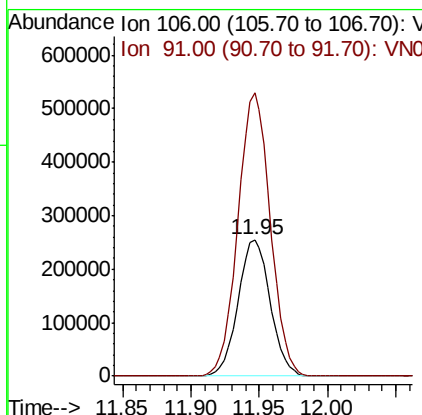
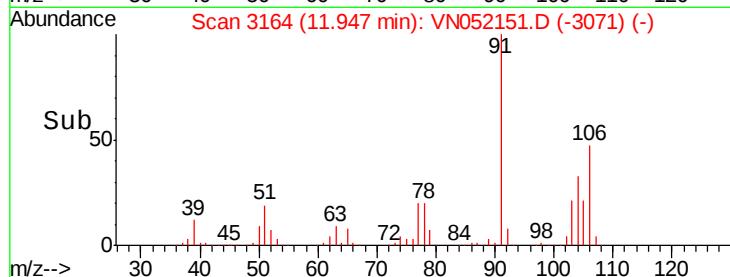
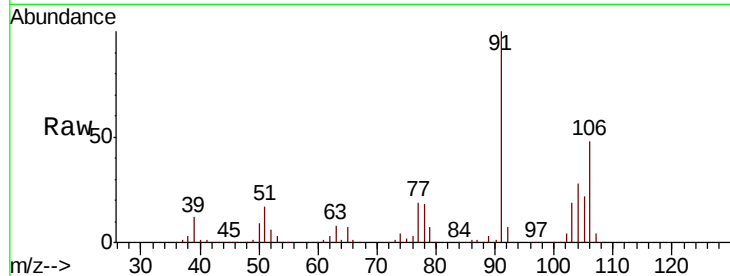




#69
o-Xylene
Concen: 50.286 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

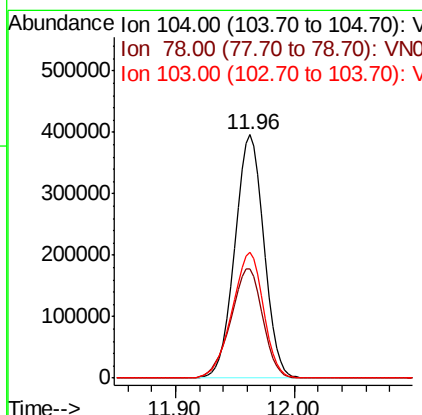
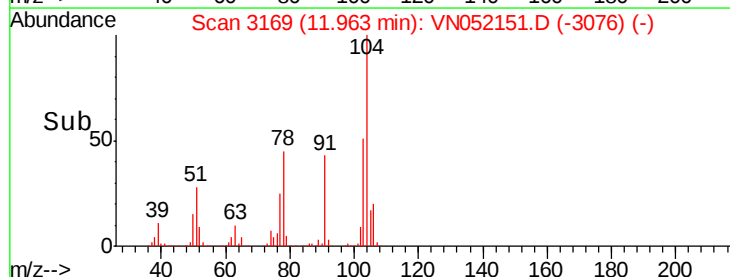
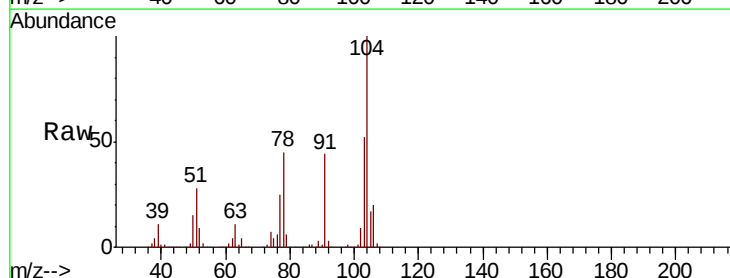
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

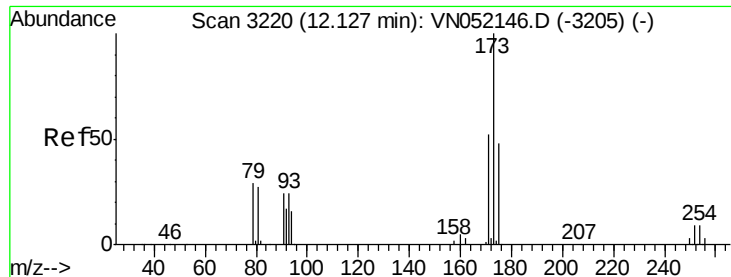
Tot Ion:106 Resp: 417323
Ion Ratio Lower Upper
106 100
91 208.7 104.8 314.3



#70
Styrene
Concen: 51.038 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion:104 Resp: 670516
Ion Ratio Lower Upper
104 100
78 49.6 39.4 59.0
103 55.7 45.1 67.7





#71

Bromoform

Concen: 46.229 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

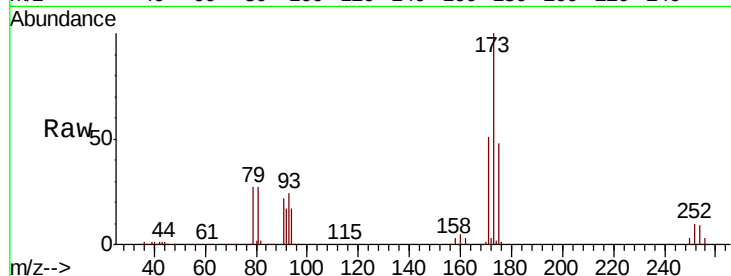
Tot Ion:173 Resp: 137559

Ion Ratio Lower Upper

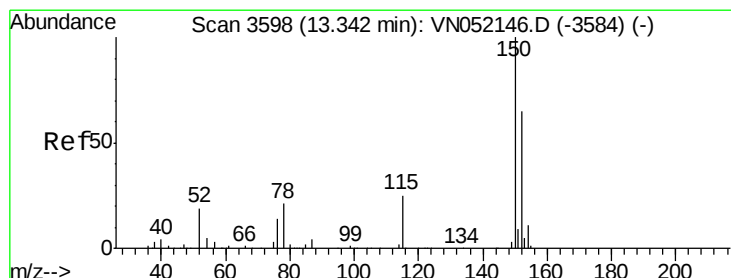
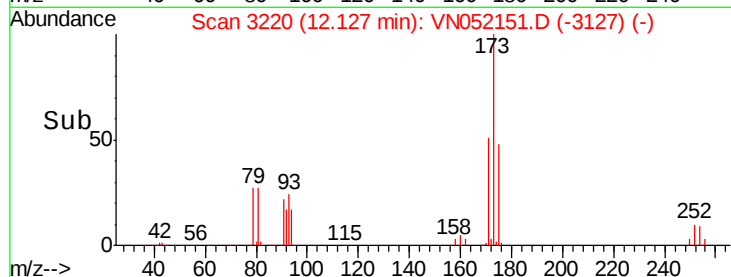
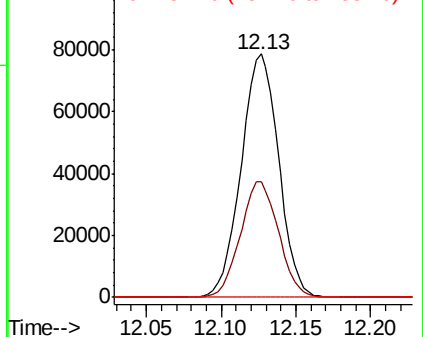
173 100

175 48.1 24.8 74.4

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

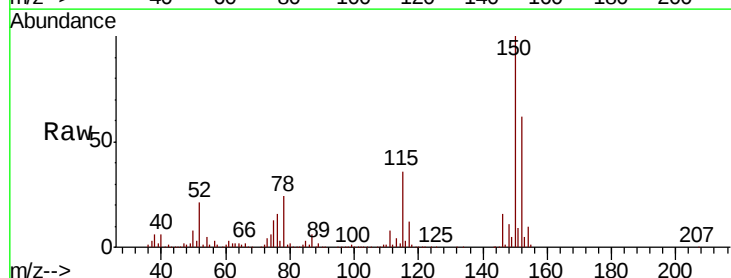
Tgt Ion:152 Resp: 303741

Ion Ratio Lower Upper

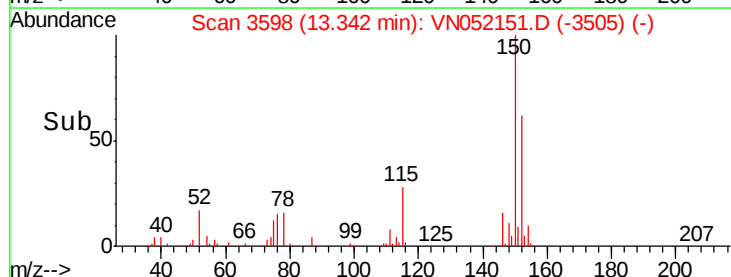
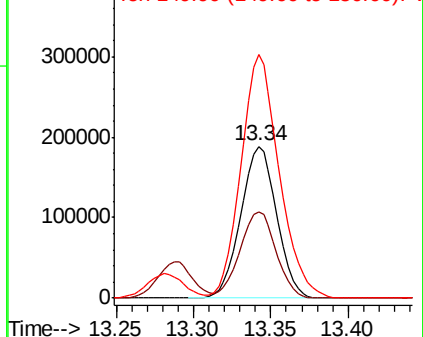
152 100

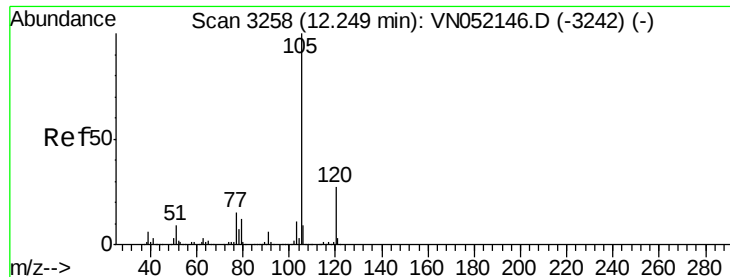
115 57.2 28.5 85.5

150 171.3 0.0 348.6



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





#73

Isopropylbenzene

Concen: 48.622 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

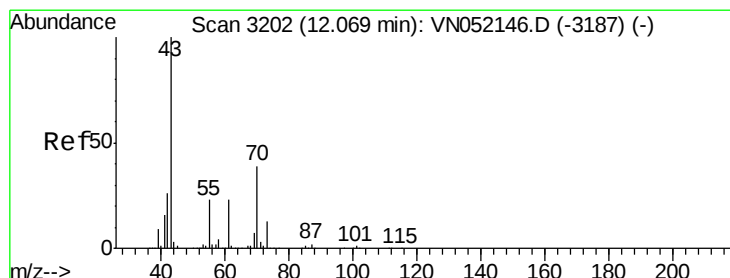
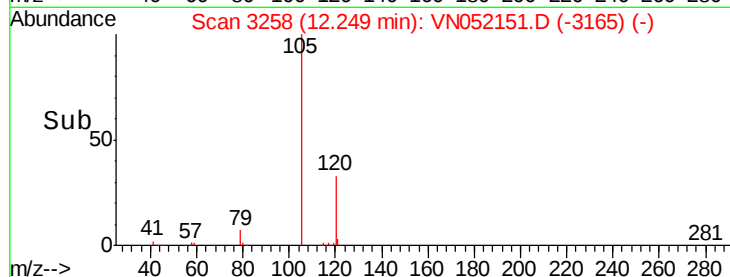
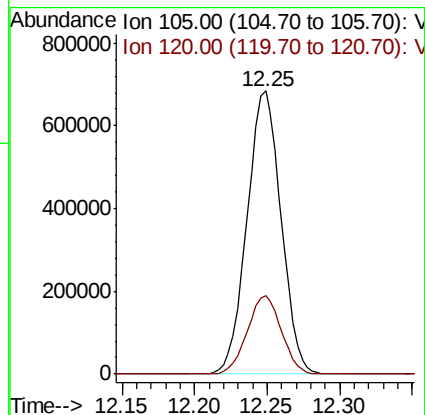
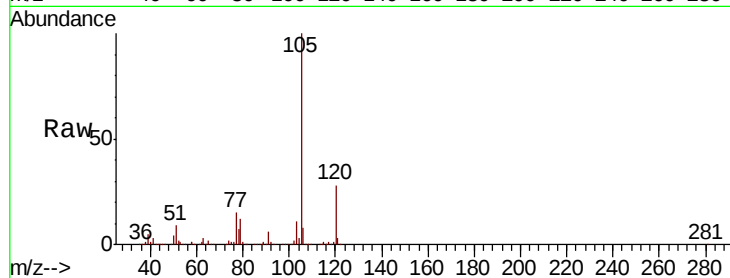
VSTDCCC050

Tot Ion:105 Resp: 1116636

Ion Ratio Lower Upper

105 100

120 27.8 13.3 39.9



#74

N-ethyl acetate

Concen: 47.041 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Tgt Ion: 43 Resp: 320579

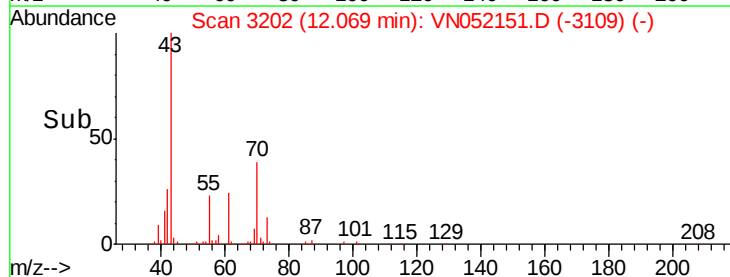
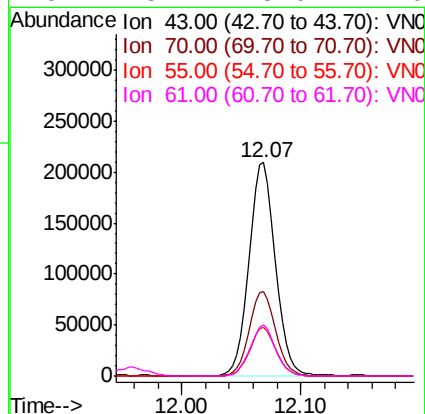
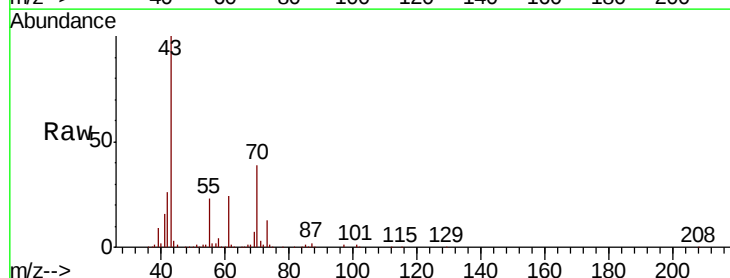
Ion Ratio Lower Upper

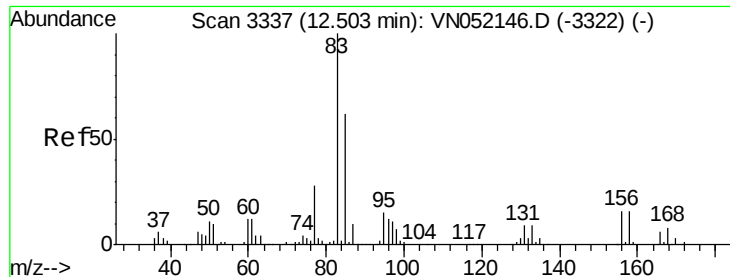
43 100

70 39.8 31.1 46.7

55 22.7 18.5 27.7

61 23.4 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.201 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

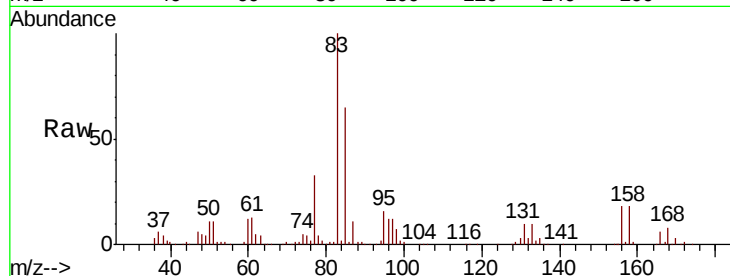
Tot Ion: 83 Resp: 222197

Ion Ratio Lower Upper

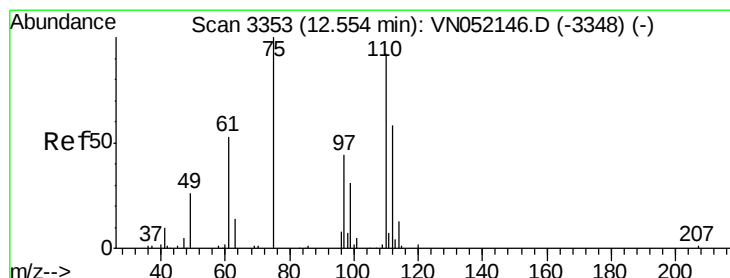
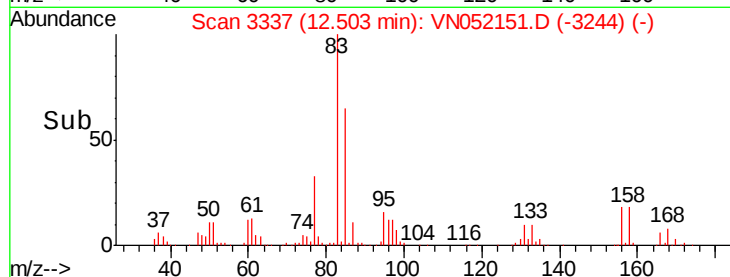
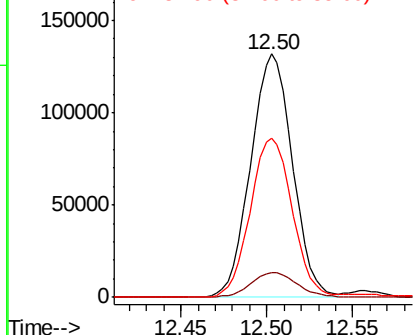
83 100

131 11.2 5.0 14.9

85 65.6 31.8 95.3



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: 61.894 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052151.D

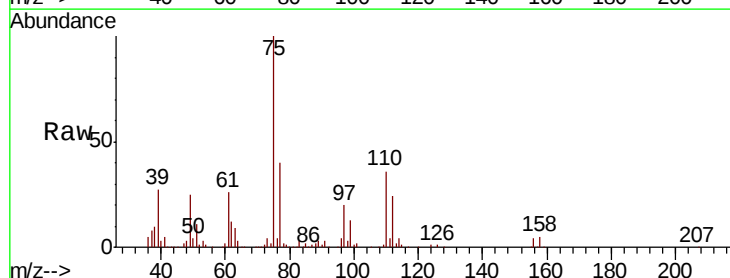
Acq: 5 Nov 2018 16:27

Tgt Ion: 75 Resp: 295855

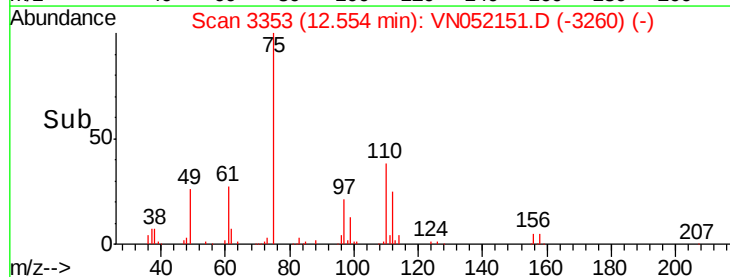
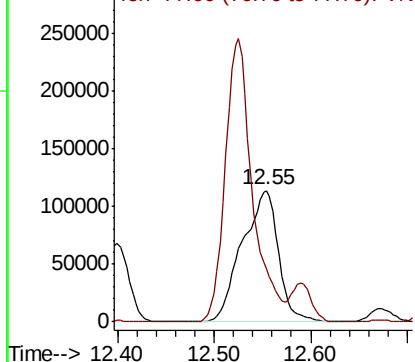
Ion Ratio Lower Upper

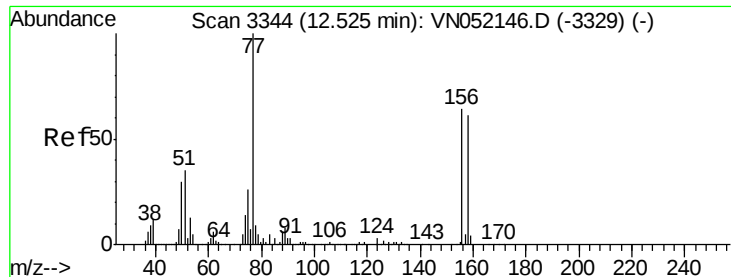
75 100

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: 48.865 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

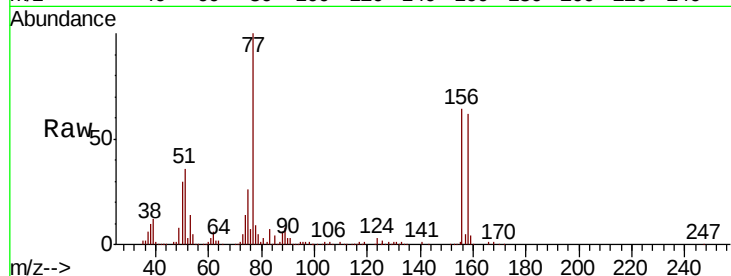
Tot Ion:156 Resp: 267608

Ion Ratio Lower Upper

156 100

77 179.4 91.6 274.9

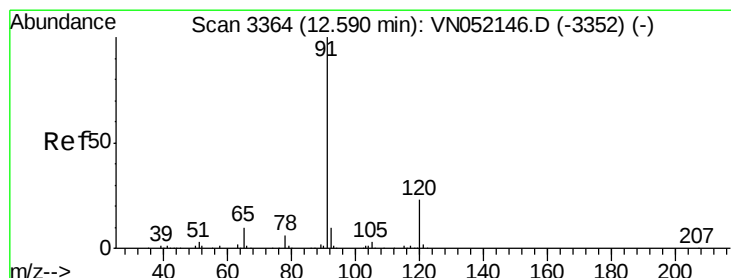
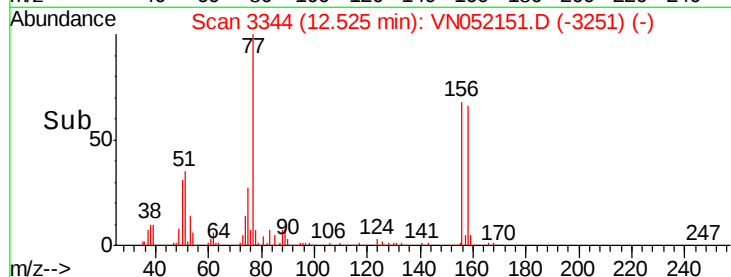
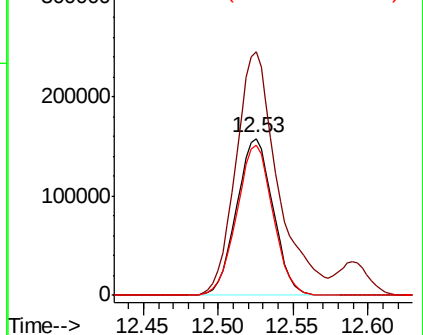
158 95.3 48.1 144.3



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: 48.842 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052151.D

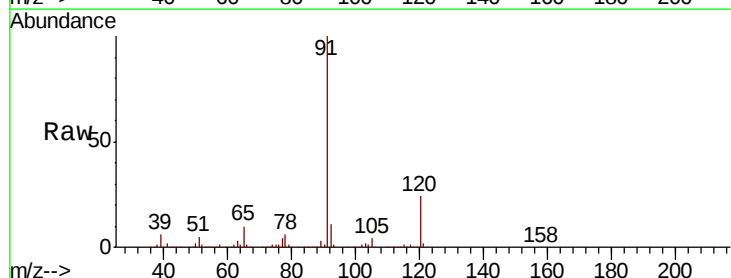
Acq: 5 Nov 2018 16:27

Tgt Ion: 91 Resp: 1281931

Ion Ratio Lower Upper

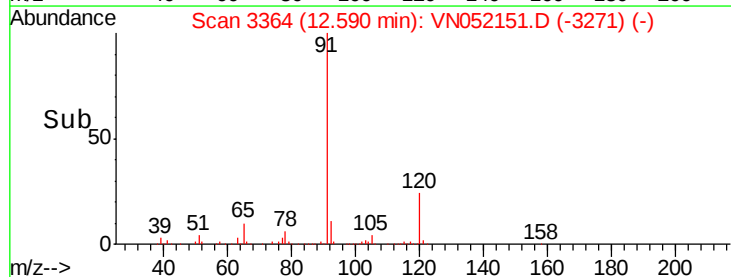
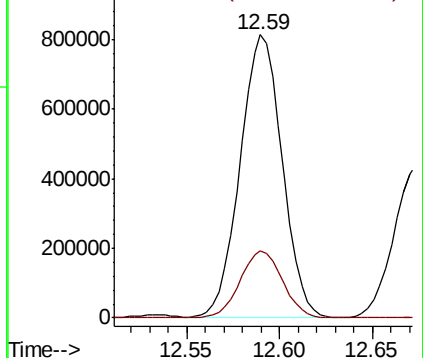
91 100

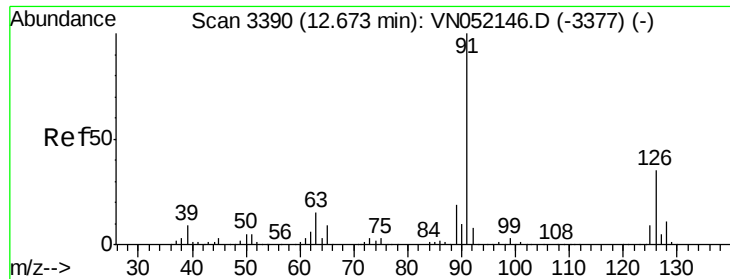
120 23.7 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.155 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

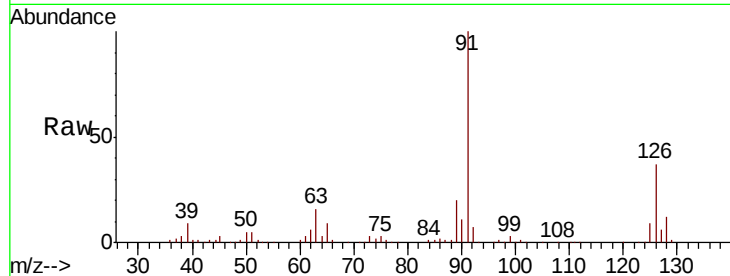
VSTDCCC050

Tot Ion: 91 Resp: 725767

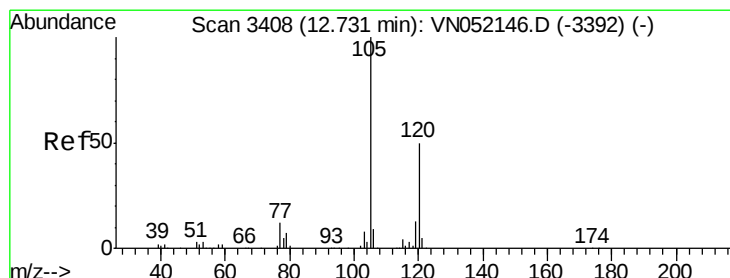
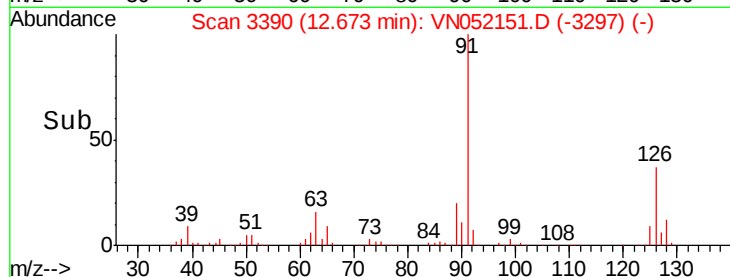
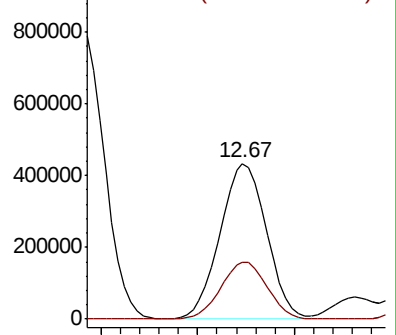
Ion Ratio Lower Upper

91 100

126 36.8 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN052146.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.470 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052151.D

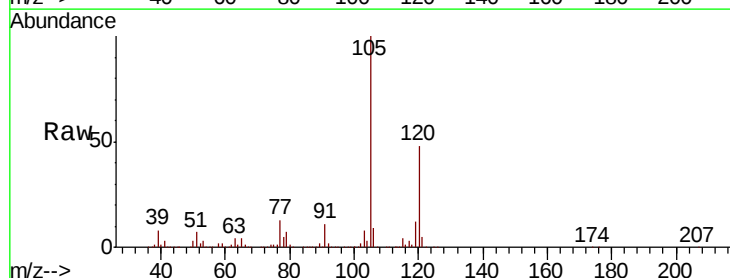
Acq: 5 Nov 2018 16:27

Tgt Ion: 105 Resp: 901044

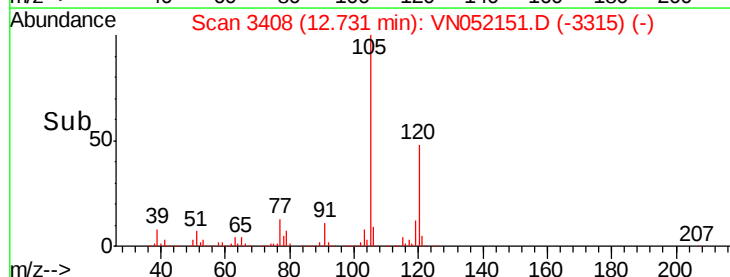
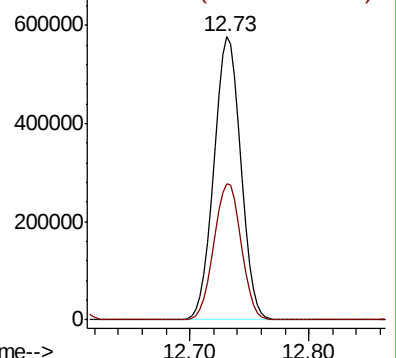
Ion Ratio Lower Upper

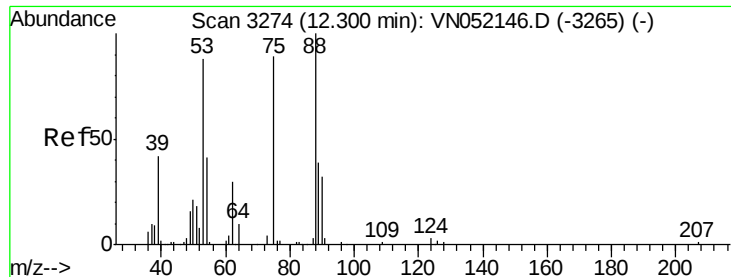
105 100

120 49.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN052146.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.376 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

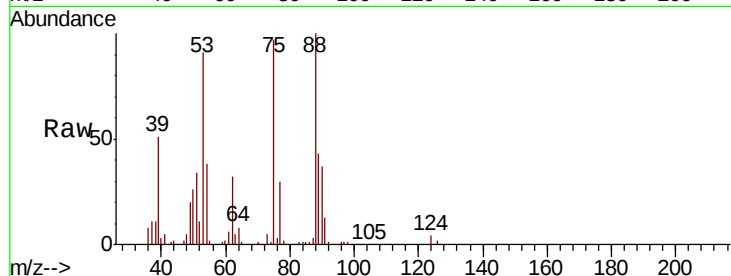
Tot Ion: 75 Resp: 65916

Ion Ratio Lower Upper

75 100

53 92.1 79.4 119.0

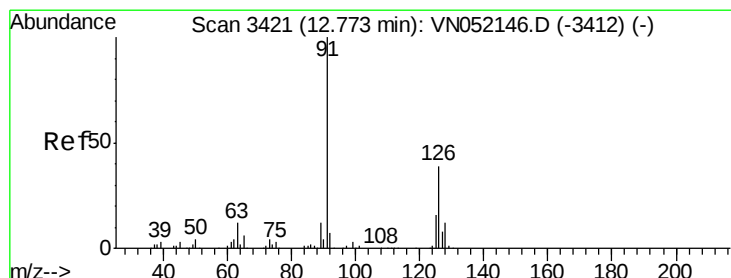
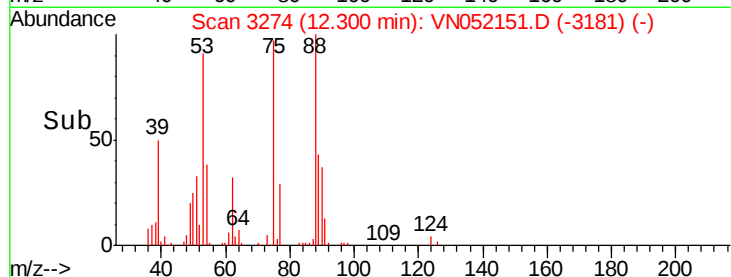
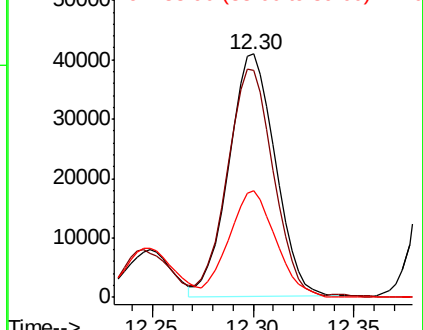
89 44.1 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.288 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052151.D

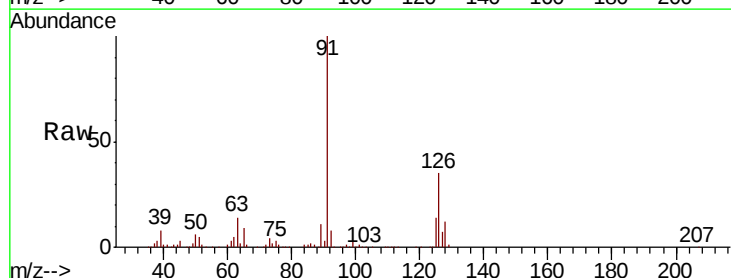
Acq: 5 Nov 2018 16:27

Tgt Ion: 91 Resp: 746996

Ion Ratio Lower Upper

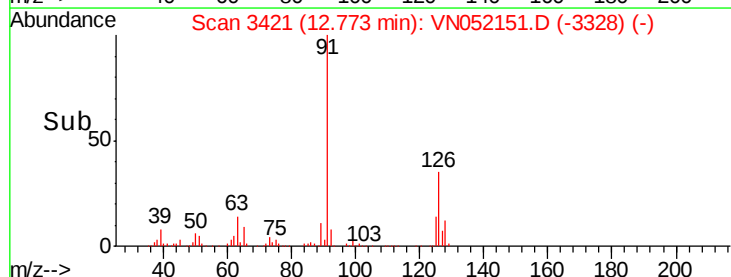
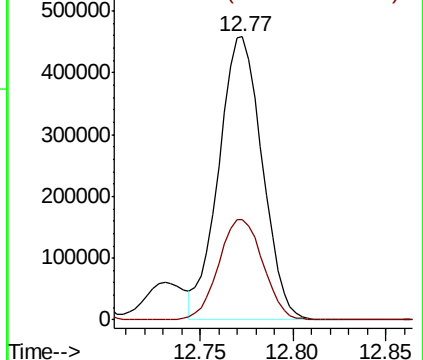
91 100

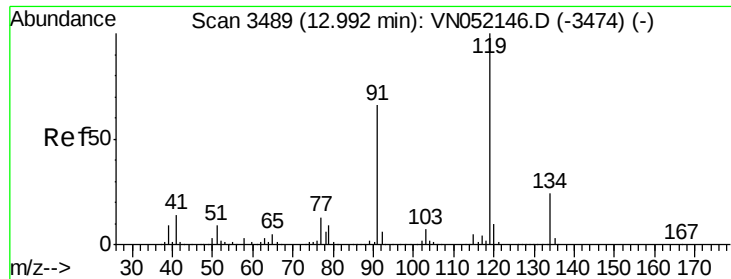
126 36.1 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

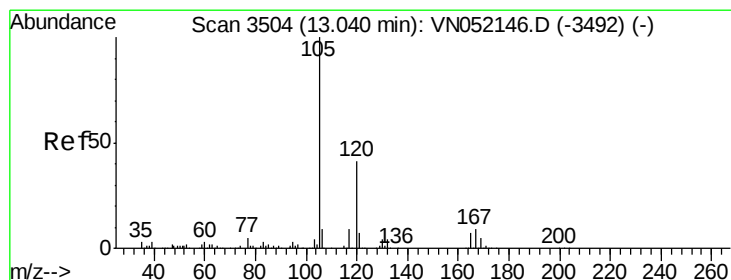
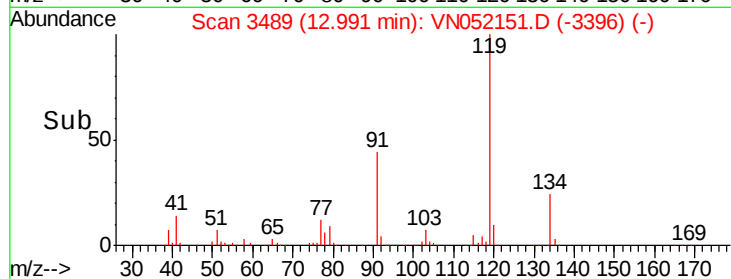
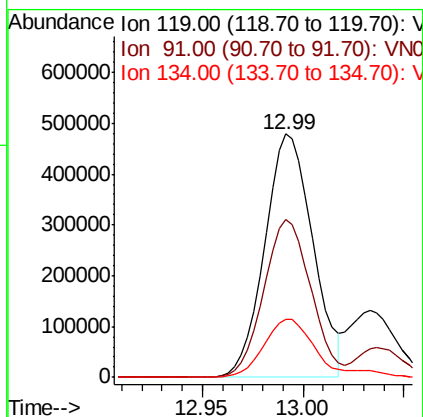
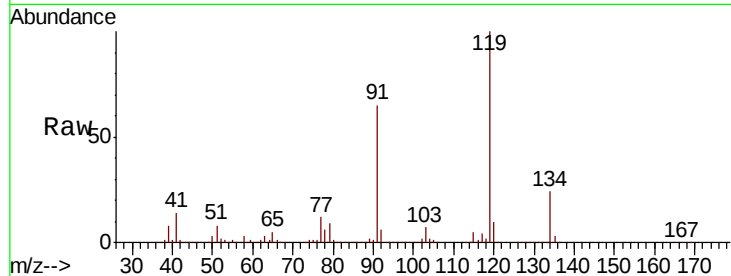




#83
tert-Butylbenzene
Concen: 48.332 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

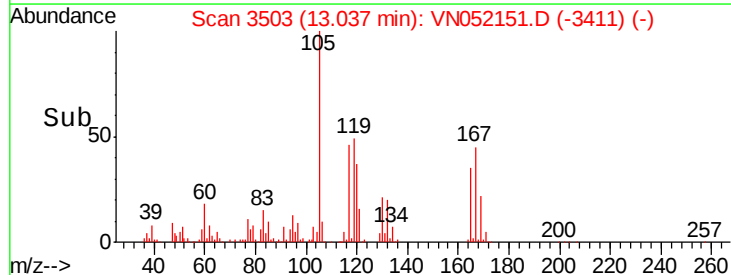
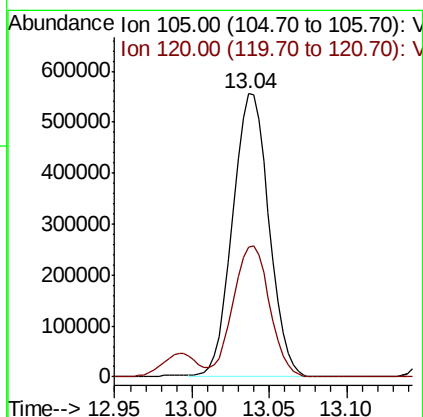
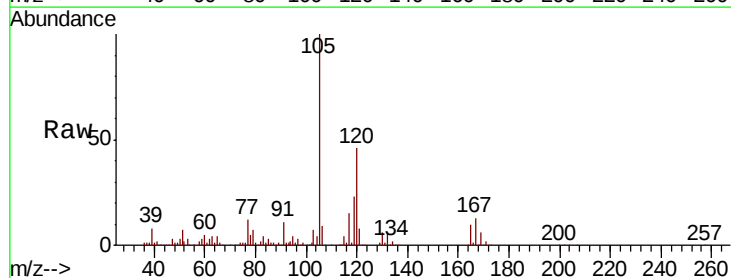
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

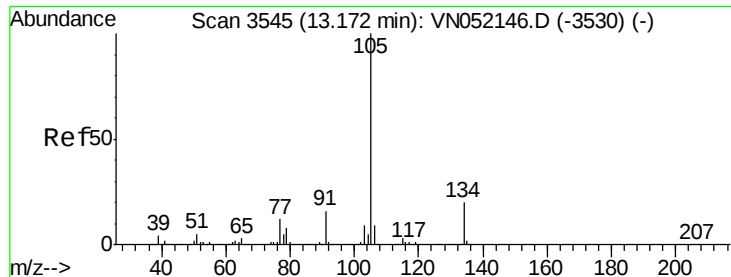
Tot Ion:119 Resp: 793352
Ion Ratio Lower Upper
119 100
91 63.8 32.3 96.8
134 24.6 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 48.902 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion:105 Resp: 904916
Ion Ratio Lower Upper
105 100
120 46.5 23.2 69.5





#85

sec-Butylbenzene

Concen: 49.446 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

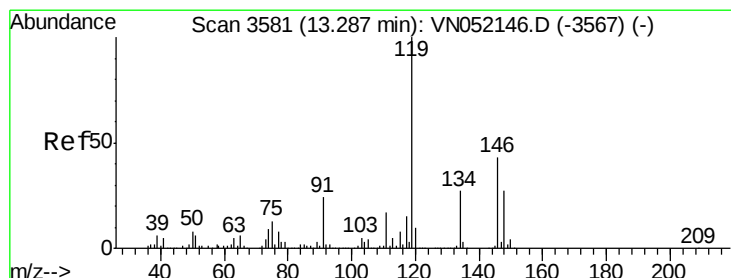
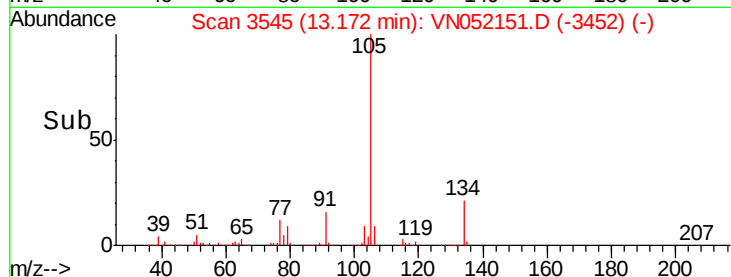
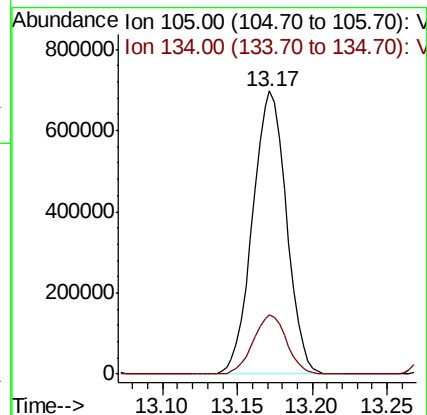
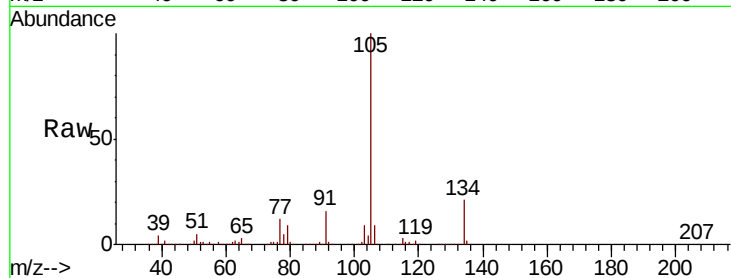
VSTDCCC050

Tot Ion:105 Resp: 1097480

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.4



#86

p-Isopropyltoluene

Concen: 50.462 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

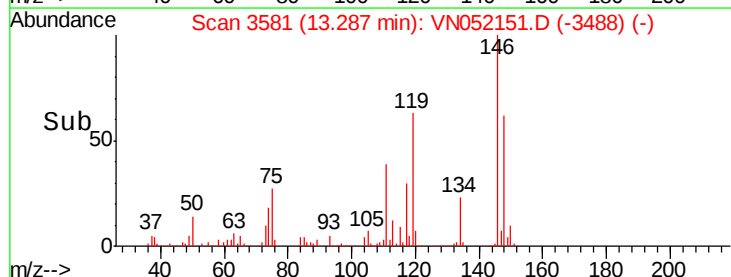
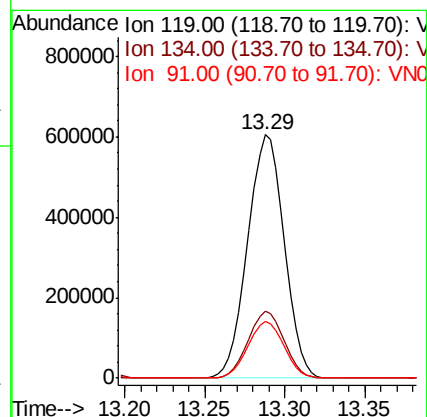
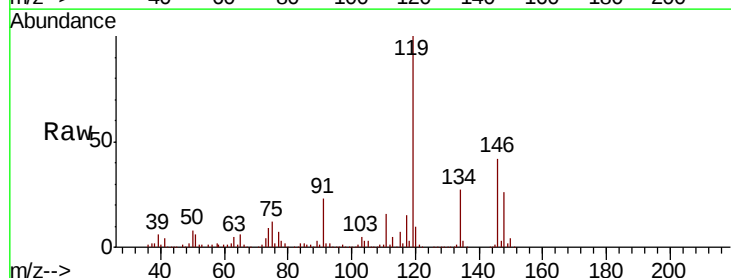
Tgt Ion:119 Resp: 942714

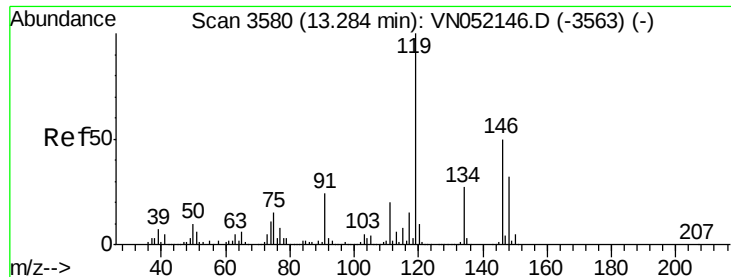
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

91 22.9 11.9 35.7

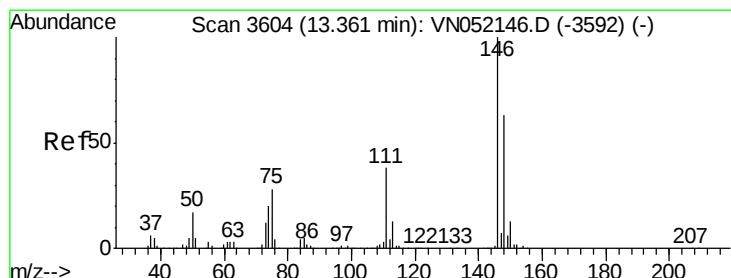
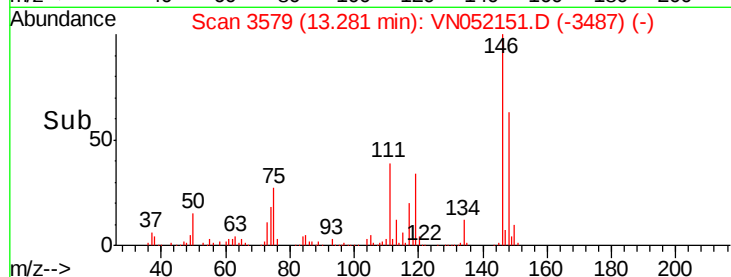
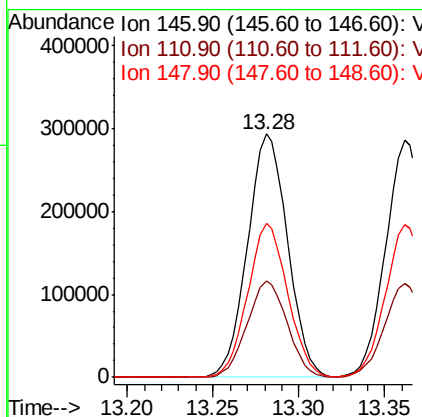
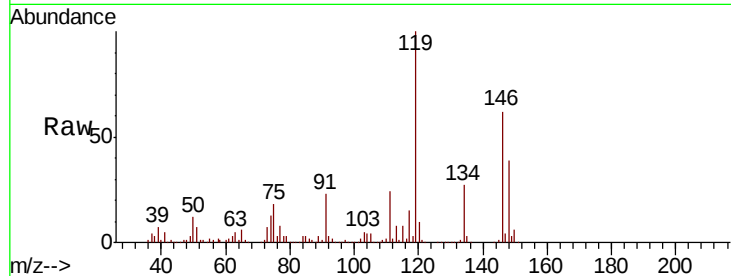




#87
 1,3-Dichlorobenzene
 Concen: 49.170 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

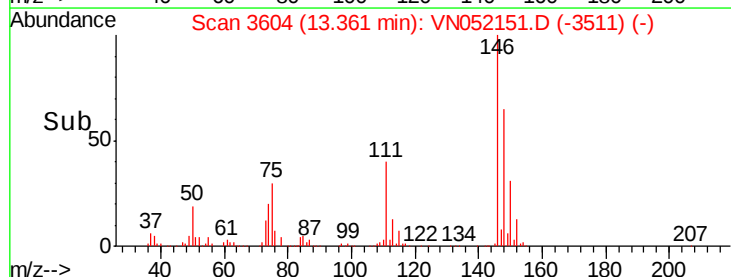
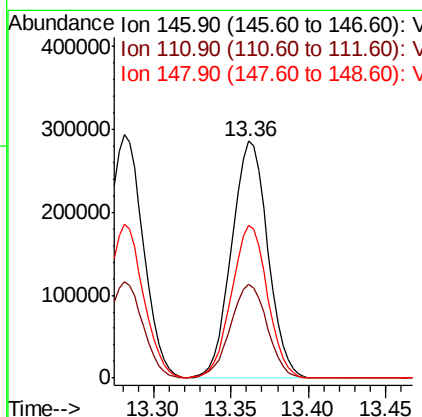
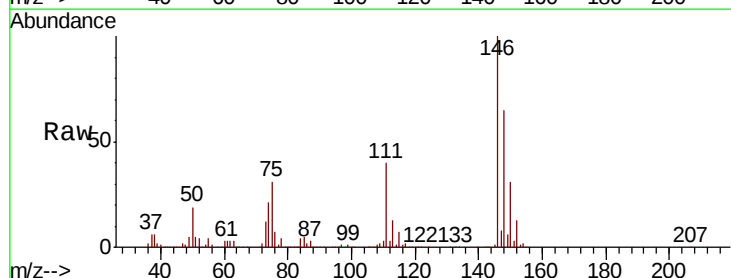
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

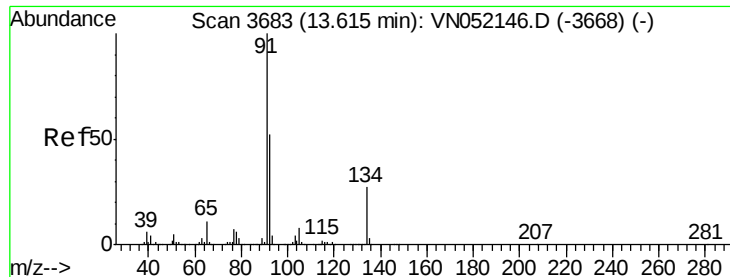
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.2	60.6
148	62.9	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 48.073 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.4	58.1
148	64.1	31.5	94.5





#89

n-Butylbenzene

Concen: 50.184 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

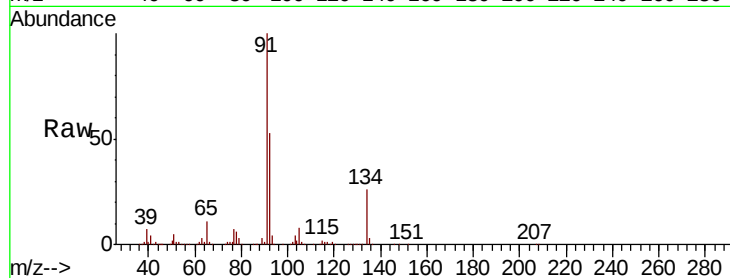
Tot Ion: 91 Resp: 811802

Ion Ratio Lower Upper

91 100

92 52.0 26.3 78.8

134 26.5 13.4 40.2

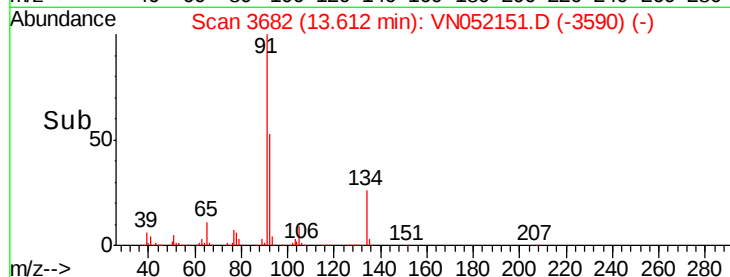


Abundance Ion 91.00 (90.70 to 91.70): VN052146.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052146.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052146.D (-3668) (-)

Time-->



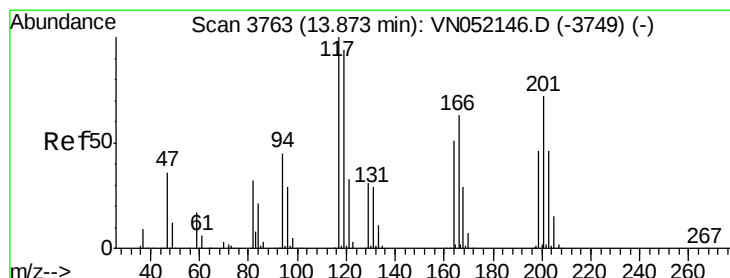
Abundance

Ion 91.00 (90.70 to 91.70): VN052146.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052146.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052146.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 50.687 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN052151.D

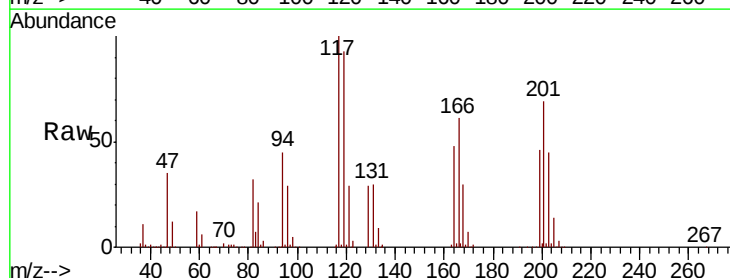
Acq: 5 Nov 2018 16:27

Tgt Ion: 117 Resp: 159587

Ion Ratio Lower Upper

117 100

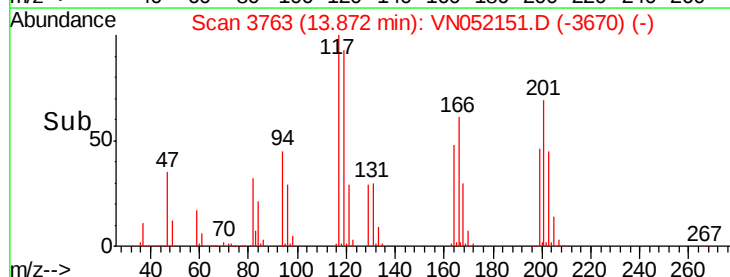
201 70.9 36.8 110.3



Abundance Ion 116.80 (116.50 to 117.50): VN052146.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052146.D (-3749) (-)

Time-->

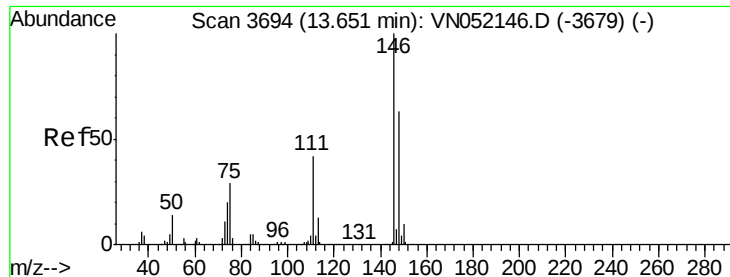


Abundance

Ion 116.80 (116.50 to 117.50): VN052146.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052146.D (-3749) (-)

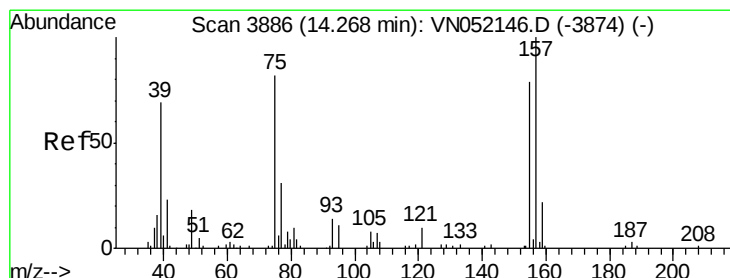
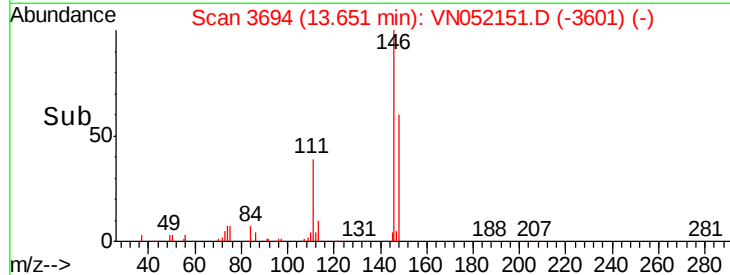
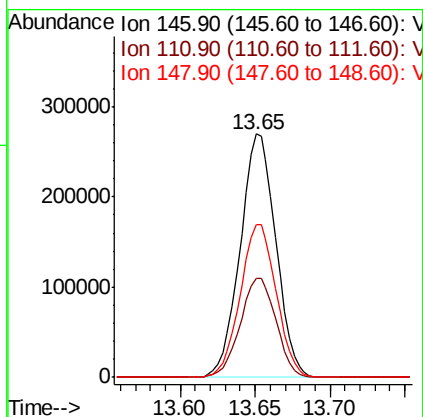
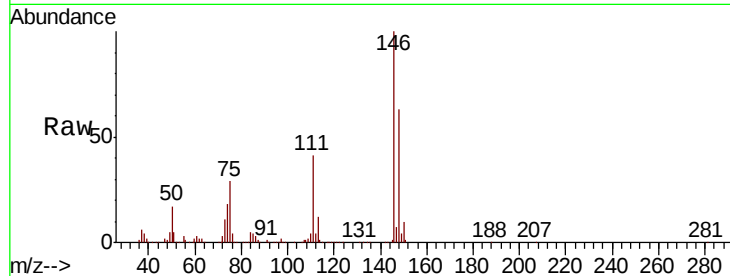
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 49.141 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

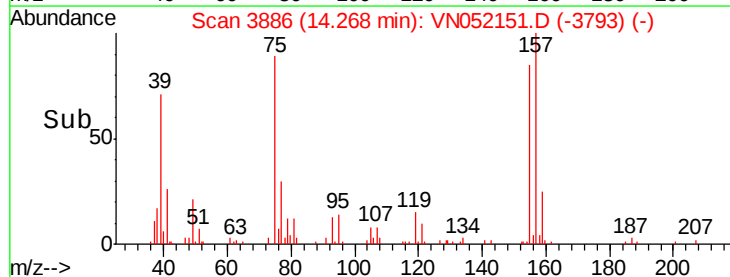
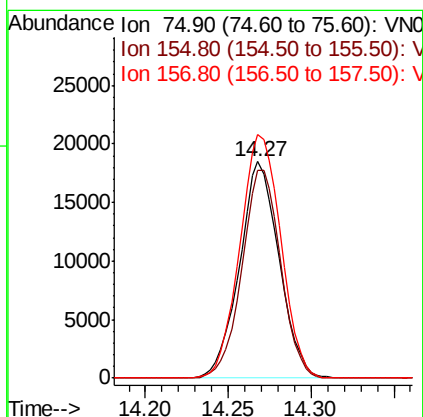
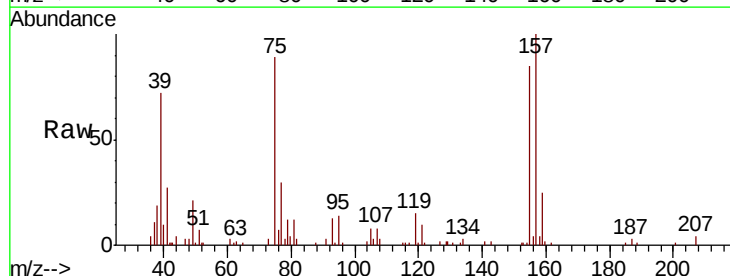
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

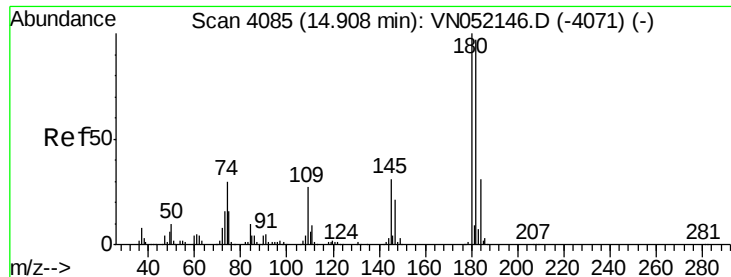
Tot Ion:146 Resp: 446316
 Ion Ratio Lower Upper
 146 100
 111 41.0 21.1 63.1
 148 63.5 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.347 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion: 75 Resp: 30755
 Ion Ratio Lower Upper
 75 100
 155 93.6 47.4 142.2
 157 116.0 60.3 180.8

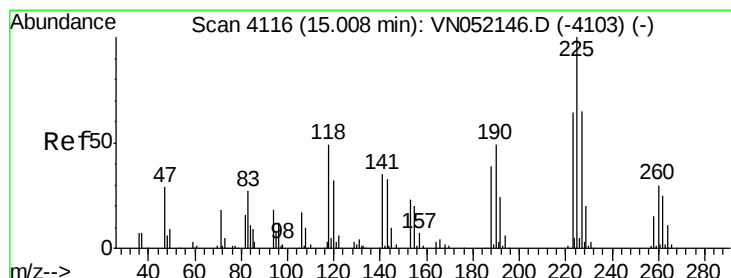
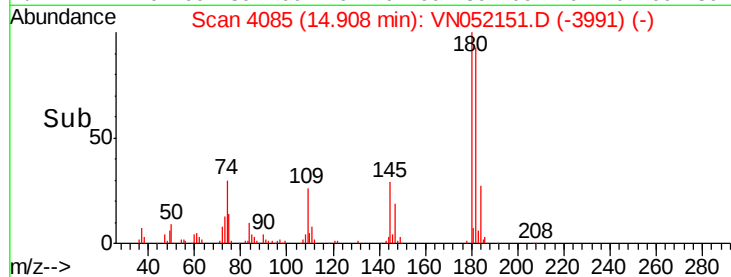
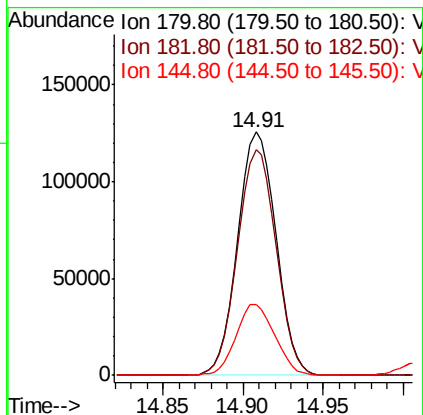
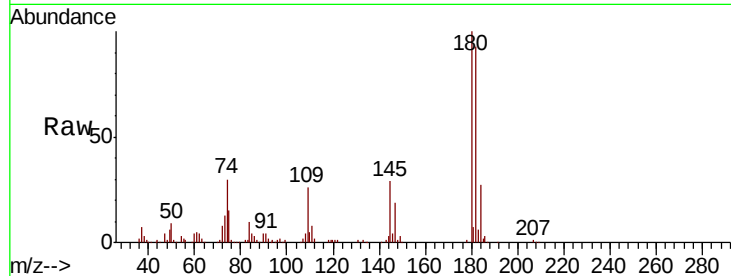




#93
 1,2,4-Trichlorobenzene
 Concen: 47.957 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

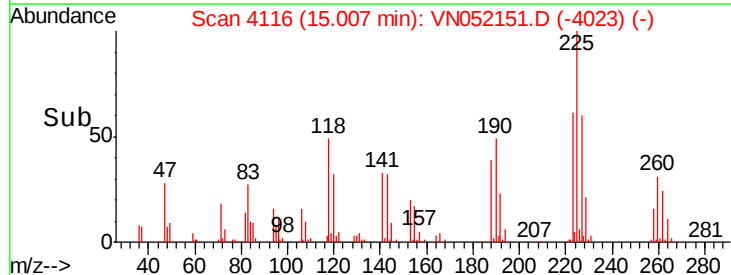
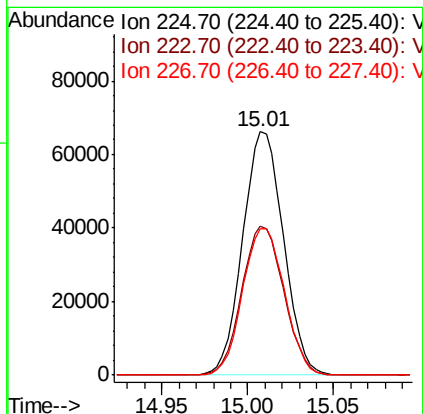
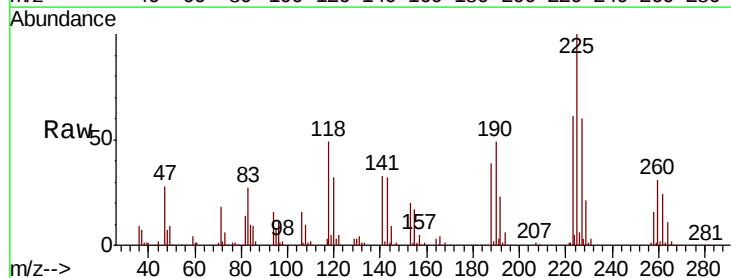
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

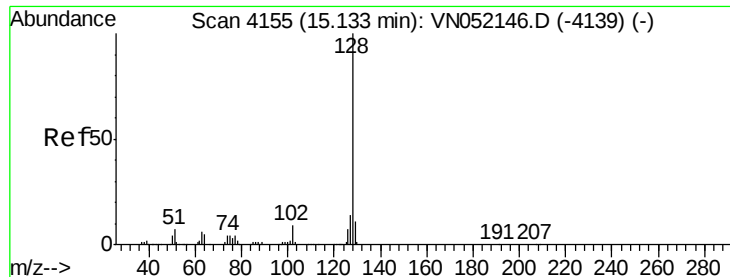
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.1	144.4
145	29.4	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 51.160 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.3	96.8
227	61.6	31.6	94.8

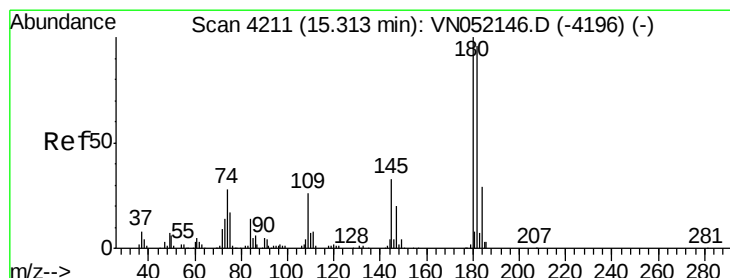
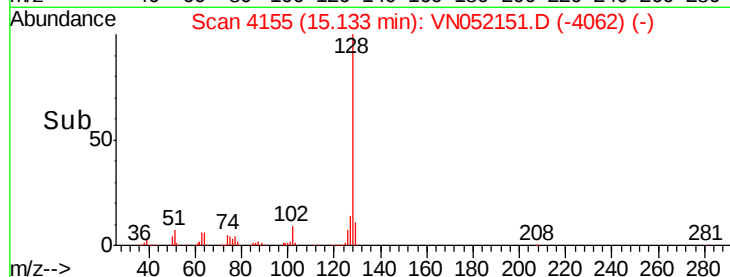
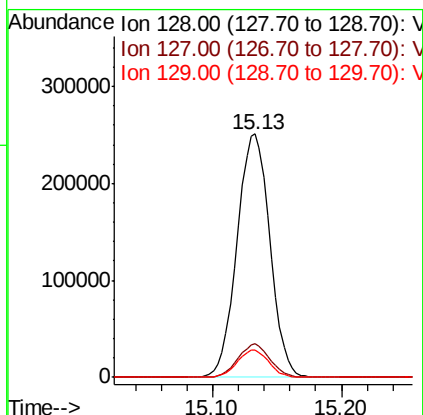
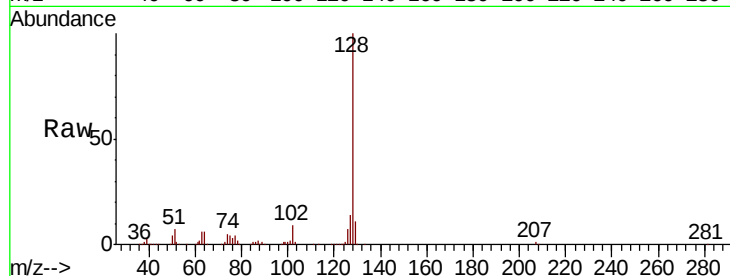




#95
Naphthalene
Concen: 47.718 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 443840
Ion Ratio Lower Upper
128 100
127 13.4 10.8 16.2
129 10.8 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 48.970 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion:180 Resp: 180504
Ion Ratio Lower Upper
180 100
182 91.7 46.6 139.7
145 31.3 16.7 50.0

