

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056152.D
 Acq On : 8 Jun 2019 14:33
 Operator : JC/SP
 Sample : K3204-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 10 01:26:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	323223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	494918	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	485259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164228	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	161145	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
35) Dibromofluoromethane	7.59	113	142295	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
50) Toluene-d8	10.09	98	603937	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.40	95	197688	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	333	0.448	ug/l #	42
10) Methyl Iodide	3.94	142	883	0.204	ug/l #	44
16) Acetone	3.82	43	12901	8.405	ug/l	99
17) Carbon Disulfide	4.03	76	3177	0.489	ug/l #	74
20) Methylene Chloride	4.54	84	1616	0.511	ug/l	88
25) 2-Butanone	6.86	43	1984	1.023	ug/l	91
29) Tetrahydrofuran	7.22	42	439	0.366	ug/l #	48
31) Cyclohexane	7.66	56	4872	0.957	ug/l #	1
38) Carbon Tetrachloride	7.66	117	25830	6.584	ug/l #	15
43) Isopropyl Acetate	8.17	43	9385	1.530	ug/l #	89
44) Trichloroethene	8.84	130	821	0.221	ug/l	88
45) 1,2-Dichloropropane	9.27	63	893	0.270	ug/l #	44
48) Methyl methacrylate	9.18	41	6349	2.115	ug/l #	12
51) 4-Methyl-2-Pentanone	9.99	43	5576	1.453	ug/l	95
52) Toluene	10.16	92	128608	15.990	ug/l	99
53) t-1,3-Dichloropropene	10.39	75	143	2.427	ug/l #	1
54) cis-1,3-Dichloropropene	9.90	75	39153	8.301	ug/l #	58
57) 1,3-Dichloropropane	10.76	76	5941	1.147	ug/l #	42
59) 2-Hexanone	10.76	43	83449	30.007	ug/l #	53
60) Dibromochloromethane	10.63	129	563	2.604	ug/l #	11
64) Tetrachloroethene	10.63	164	842	0.200	ug/l #	79
65) Chlorobenzene	11.43	112	1947	0.202	ug/l	97
67) Ethyl Benzene	11.51	91	17977	1.071	ug/l	98
68) m/p-Xylenes	11.62	106	22884	3.567	ug/l	98
69) o-Xylene	11.95	106	13088	2.074	ug/l	99
71) Bromoform	12.40	173	1425	3.223	ug/l #	1
73) Isopropylbenzene	12.25	105	2955	Below Cal		92
74) N-amyl acetate	12.07	43	2023	0.462	ug/l #	55
76) 1,2,3-Trichloropropane	12.40	75	89645	29.665	ug/l #	100
77) Bromobenzene	12.53	156	728	0.207	ug/l	78
78) n-propylbenzene	12.59	91	4315	0.311	ug/l	97
79) 2-Chlorotoluene	12.67	91	1394	Below Cal		97
80) 1,3,5-Trimethylbenzene	12.73	105	4720	0.427	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	89645	98.792	ug/l #	15

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056152.D
 Acq On : 8 Jun 2019 14:33
 Operator : JC/SP
 Sample : K3204-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 10 01:26:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

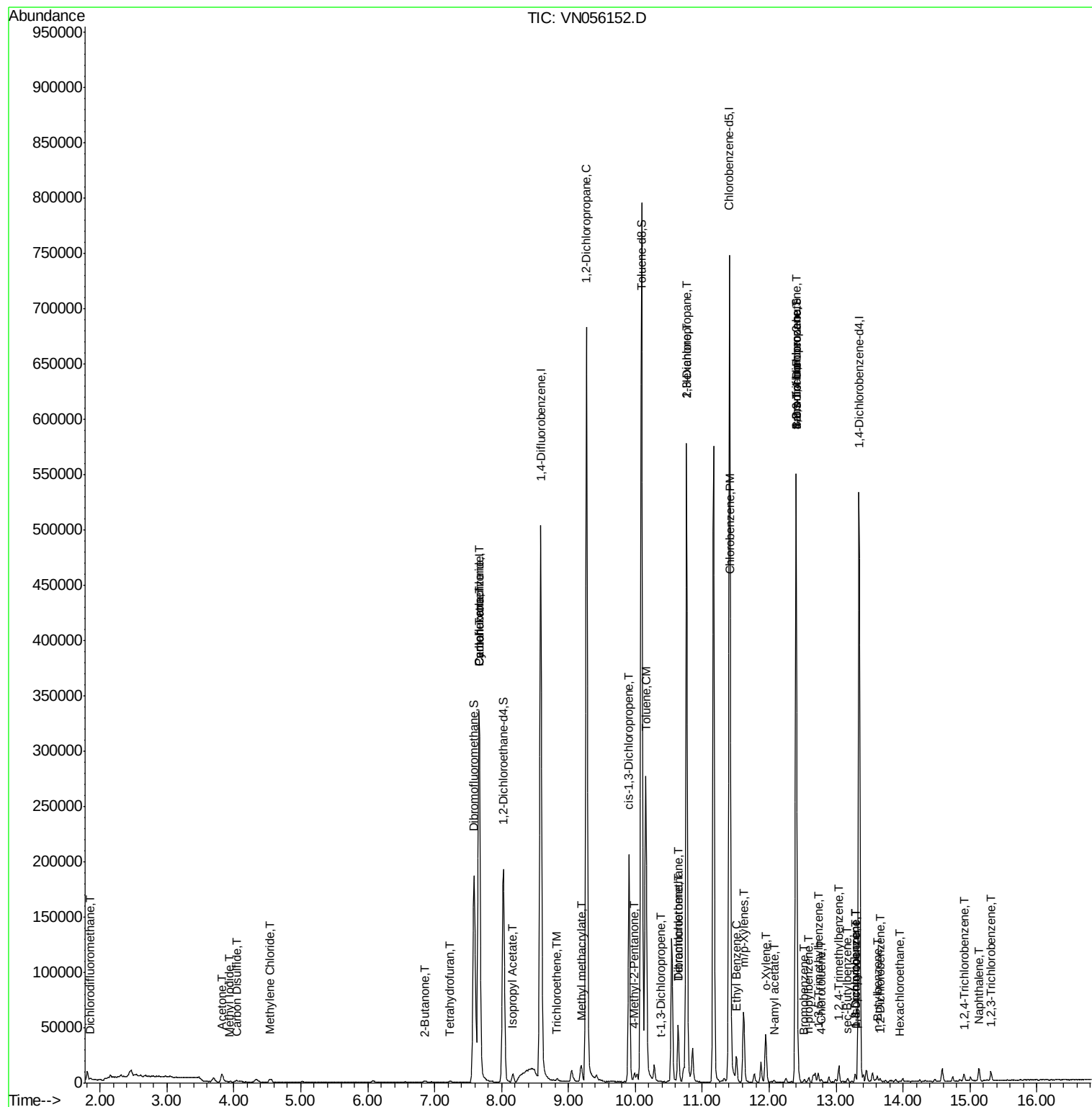
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.77	91	2261	0.278	ug/l	92
83) tert-Butylbenzene	12.99	119	1589	Below Cal		82
84) 1,2,4-Trimethylbenzene	13.04	105	9738	0.930	ug/l	99
85) sec-Butylbenzene	13.17	105	3329	0.271	ug/l	99
86) p-Isopropyltoluene	13.29	119	3321	0.302	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	2220	0.408	ug/l	89
88) 1,4-Dichlorobenzene	13.29	146	2220	0.424	ug/l	90
89) n-Butylbenzene	13.62	91	3751	0.460	ug/l	94
90) Hexachloroethane	13.95	117	428	0.258	ug/l #	1
91) 1,2-Dichlorobenzene	13.65	146	1858	0.338	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	2927	5.154	ug/l	96
94) Hexachlorobutadiene	15.01	225	1109	Below Cal		93
95) Naphthalene	15.13	128	11107	5.156	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	3950	4.234	ug/l	92

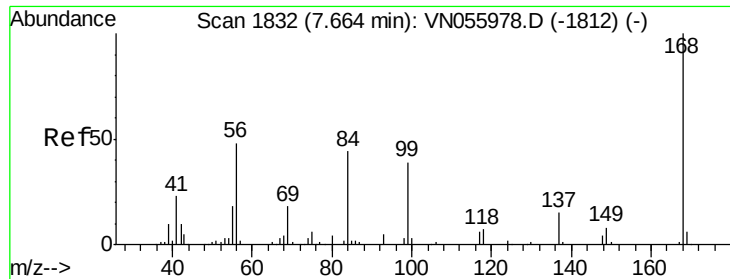
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056152.D
 Acq On : 8 Jun 2019 14:33
 Operator : JC/SP
 Sample : K3204-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 10 01:26:44 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Instrument :

MSVOA_N

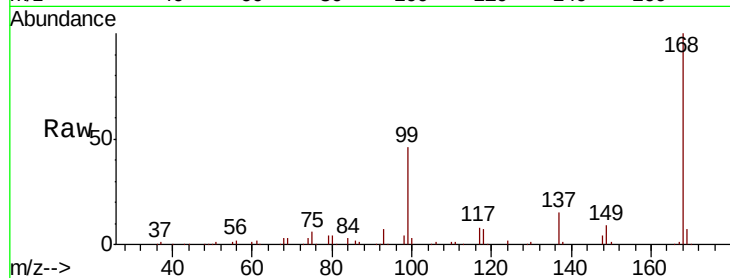
ClientSampleId :

Tot Ion:168 Resp: 323223

Ion Ratio Lower Upper

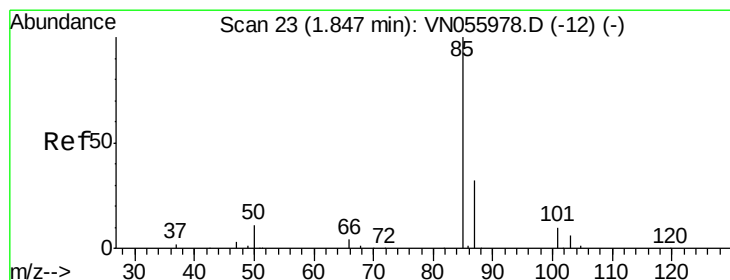
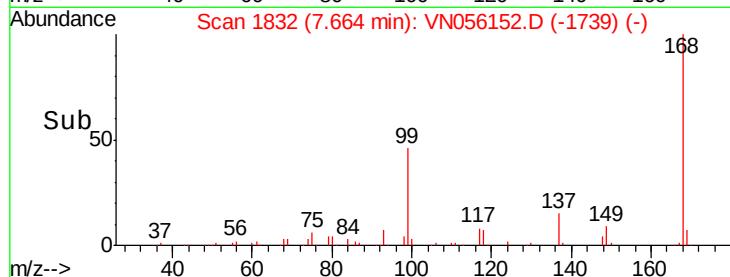
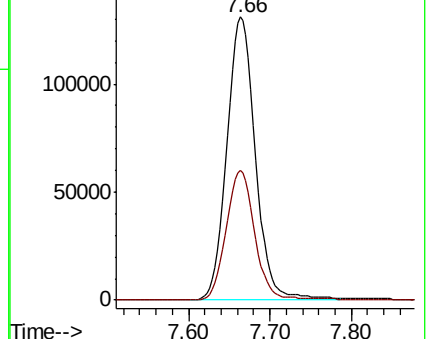
168 100

99 45.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)



#2

Dichlorodifluoromethane

Concen: 0.448 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056152.D

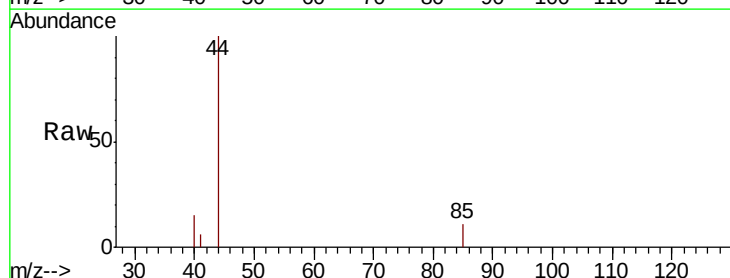
Acq: 8 Jun 2019 14:33

Tgt Ion: 85 Resp: 333

Ion Ratio Lower Upper

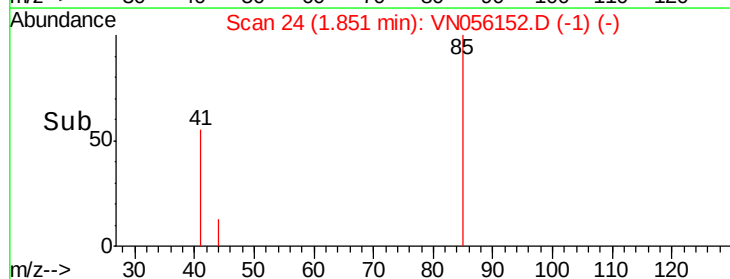
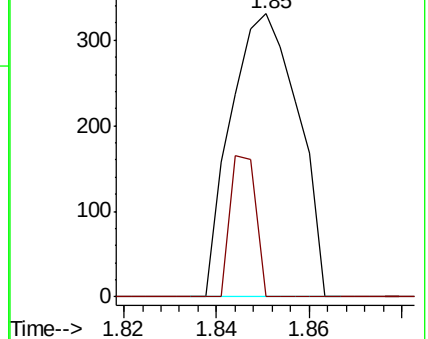
85 100

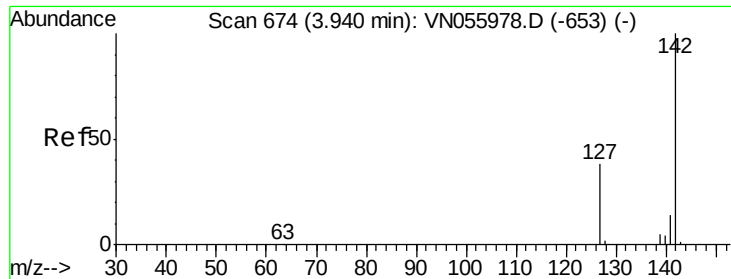
87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VN055978.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN055978.D (-12) (-)

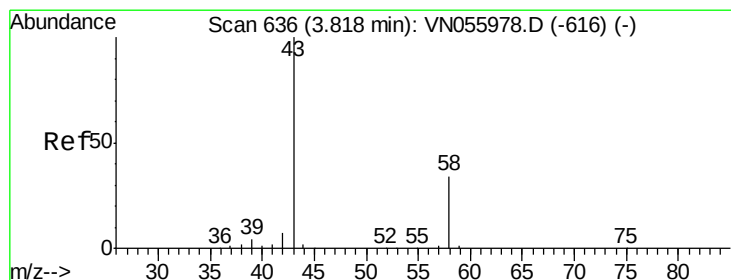
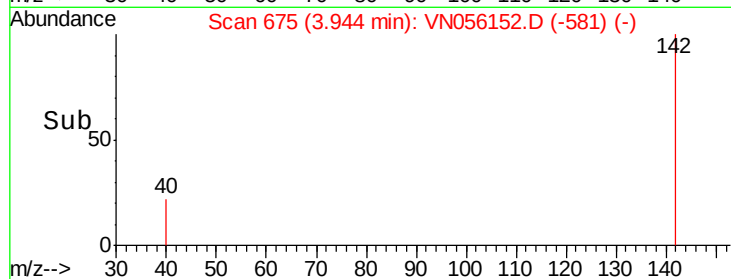
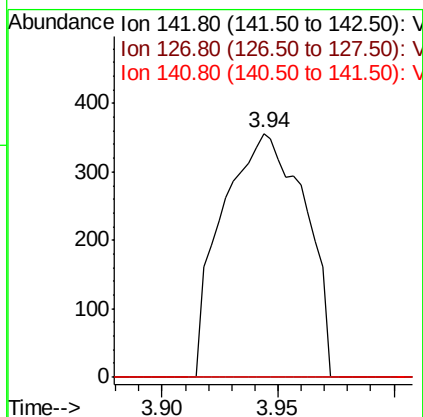
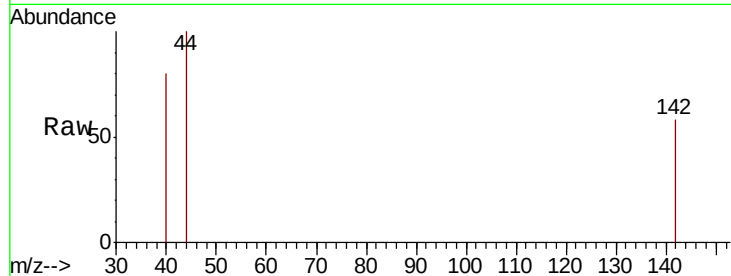




#10
Methvl Iodide
Concen: 0.204 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

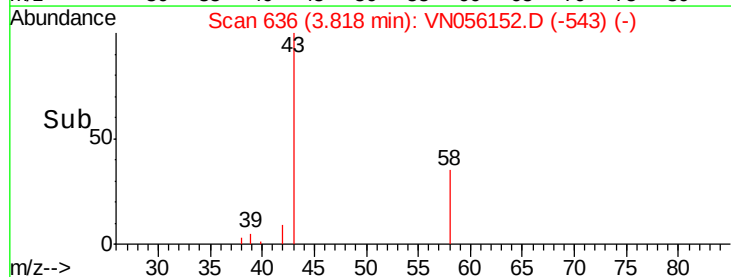
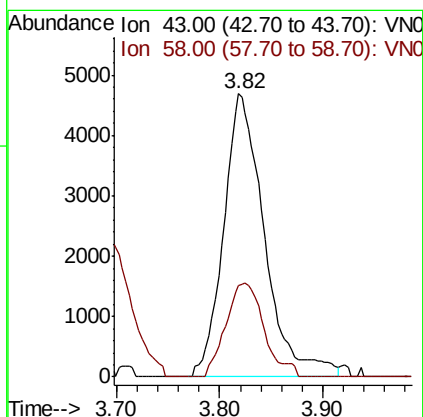
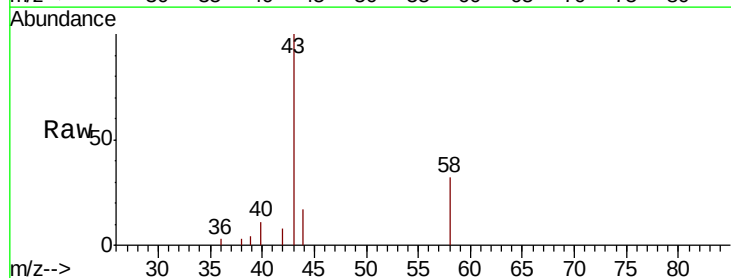
Instrument :
MSVOA_N
ClientSampleId :

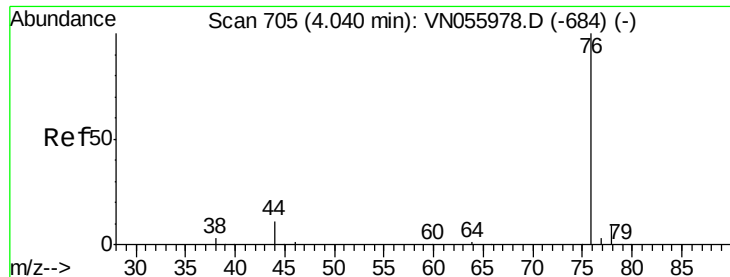
Tot Ion:142 Resp: 883
Ion Ratio Lower Upper
142 100
127 0.0 31.0 46.4#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 8.405 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

Tgt Ion: 43 Resp: 12901
Ion Ratio Lower Upper
43 100
58 32.4 26.6 39.8





#17

Carbon Disulfide

Concen: 0.489 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Instrument :

MSVOA_N

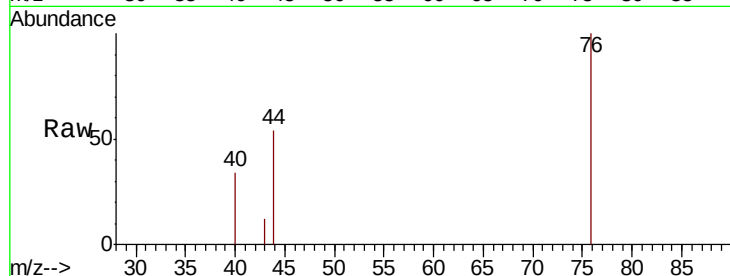
ClientSampled :

Tot Ion: 76 Resp: 3177

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

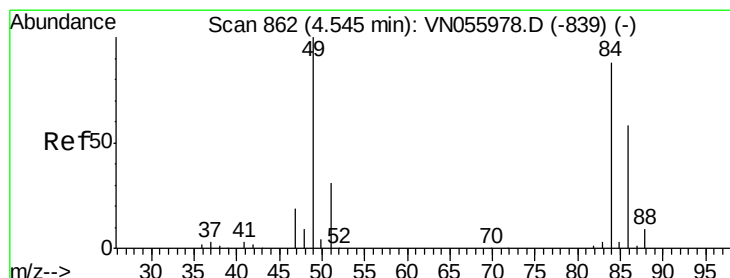
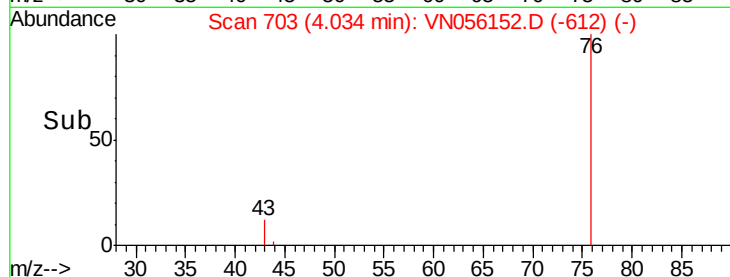
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 0.511 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.00 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Tgt Ion: 84 Resp: 1616

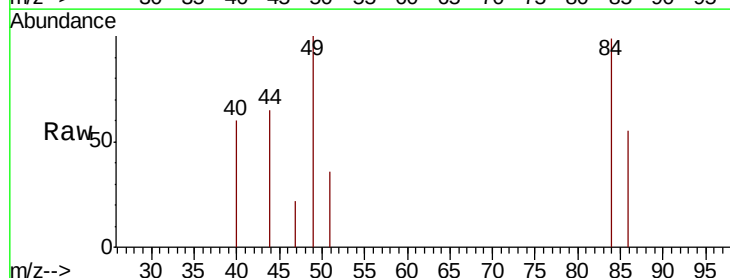
Ion Ratio Lower Upper

84 100

49 101.4 93.5 140.3

51 36.8 28.6 43.0

86 55.5 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

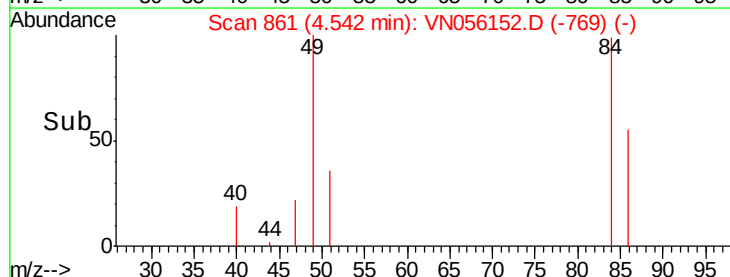
4.54

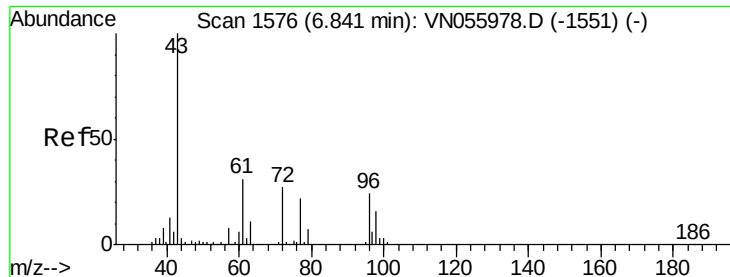
1000

500

0

Time-->

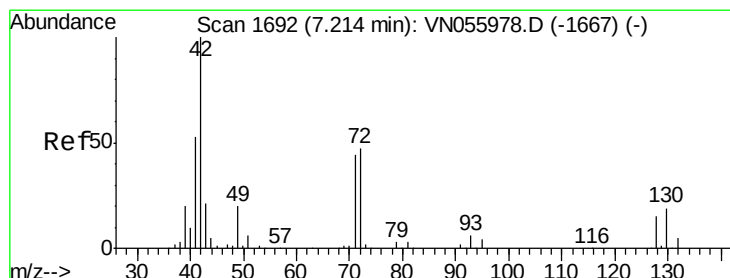
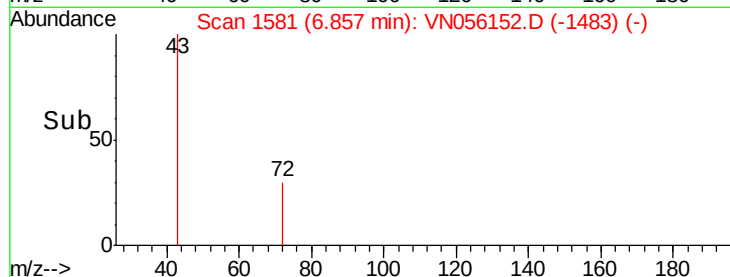
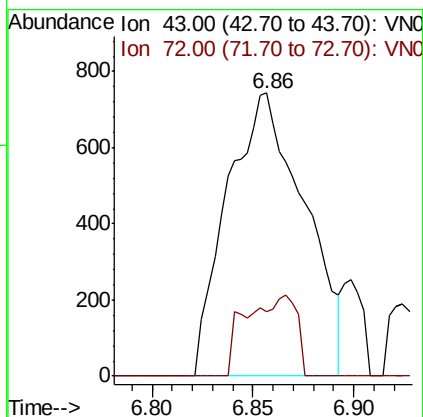
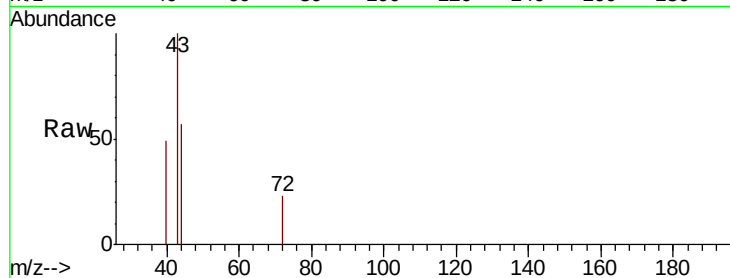




#25
 2-Butanone
 Concen: 1.023 ug/l
 RT: 6.86 min Scan# 1581
 Delta R.T. 0.02 min
 Lab File: VN056152.D
 Acq: 8 Jun 2019 14:33

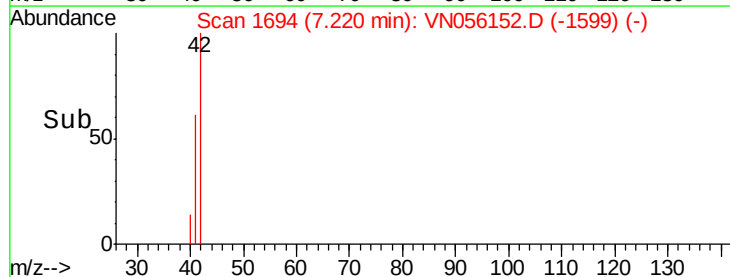
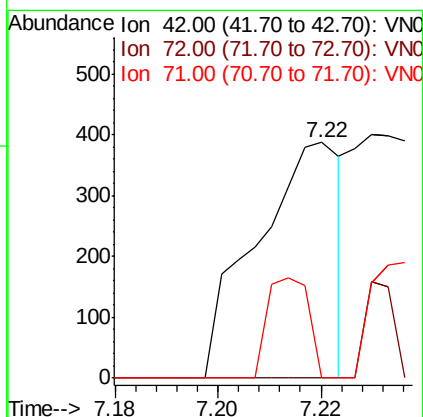
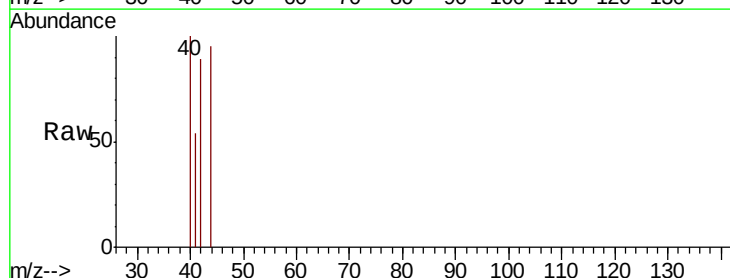
Instrument :
 MSVOA_N
 ClientSampled :

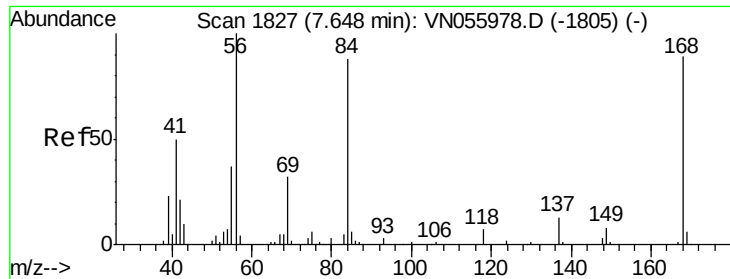
Tot Ion: 43 Resp: 1984
 Ion Ratio Lower Upper
 43 100
 72 22.9 21.9 32.9



#29
 Tetrahydrofuran
 Concen: 0.366 ug/l
 RT: 7.22 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VN056152.D
 Acq: 8 Jun 2019 14:33

Tgt Ion: 42 Resp: 439
 Ion Ratio Lower Upper
 42 100
 72 0.0 35.9 53.9#
 71 20.7 34.0 51.0#

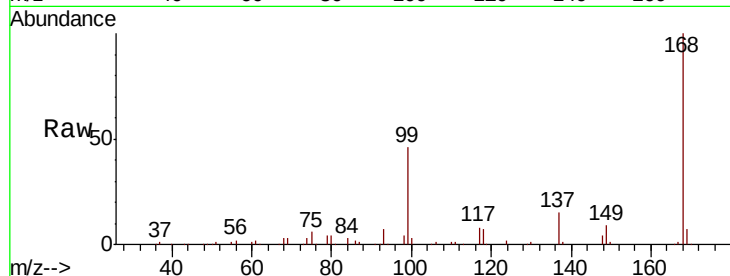




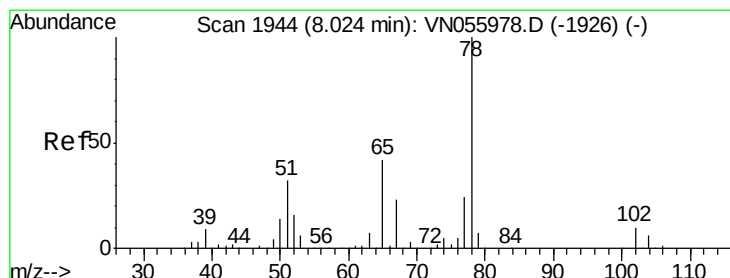
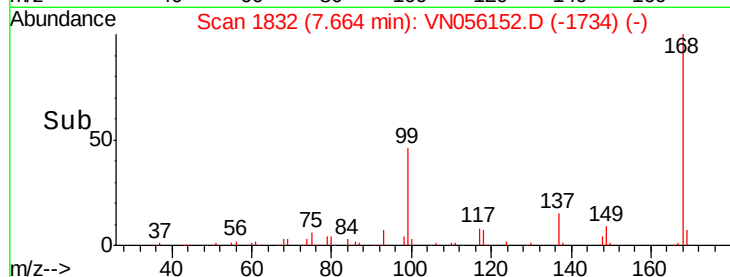
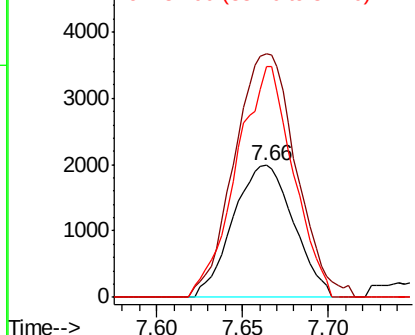
#31
Cyclohexane
Concen: 0.957 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4872
Ion Ratio Lower Upper
56 100
69 184.7 25.6 38.4#
84 175.1 67.4 101.0#

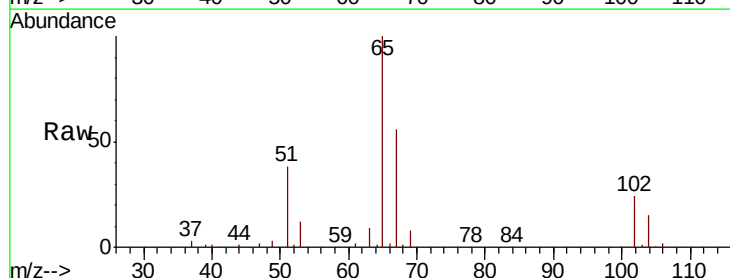


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

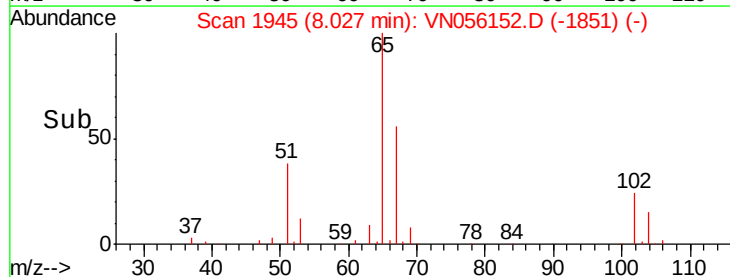
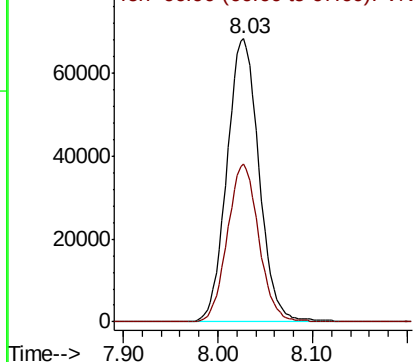


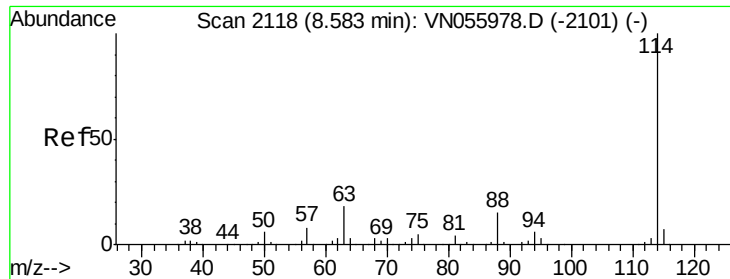
#33
1,2-Dichloroethane-d4
Concen: 50.211 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

Tgt Ion: 65 Resp: 161145
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

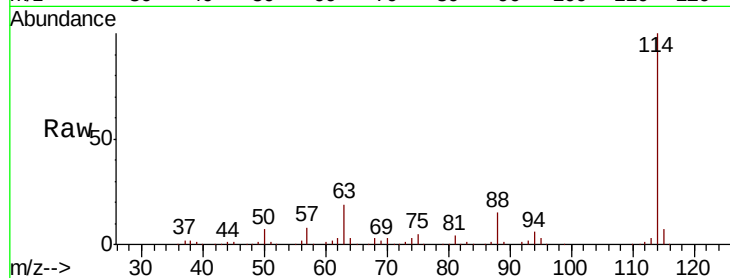




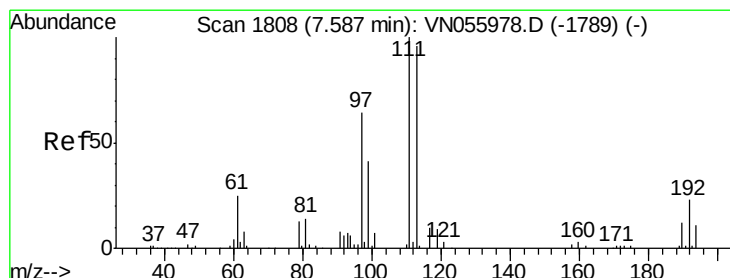
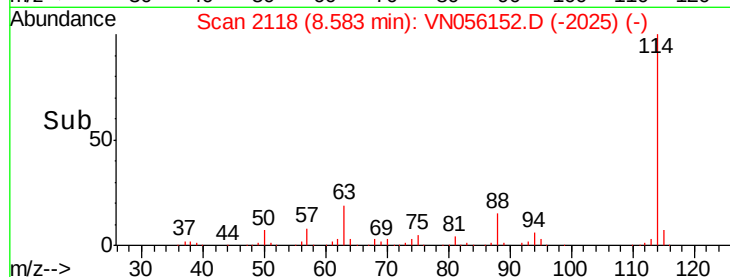
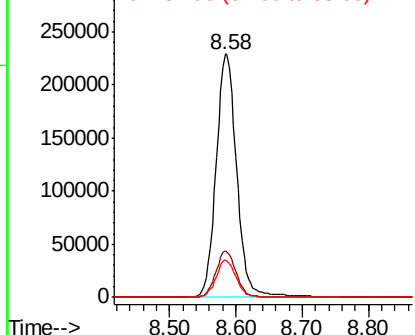
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 494918
Ion Ratio Lower Upper
114 100
63 19.1 0.0 39.2
88 15.2 0.0 31.0

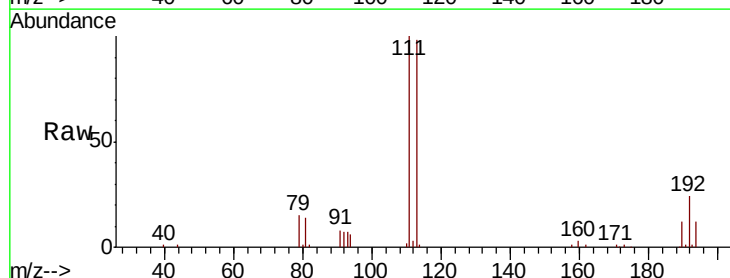


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

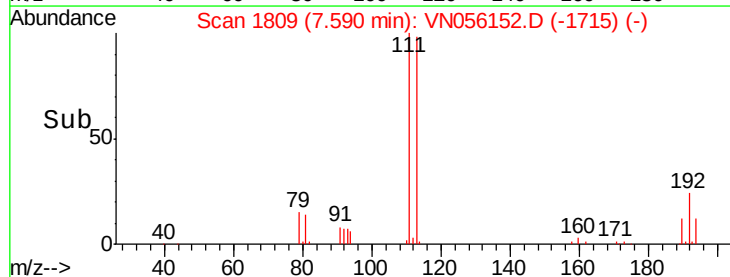
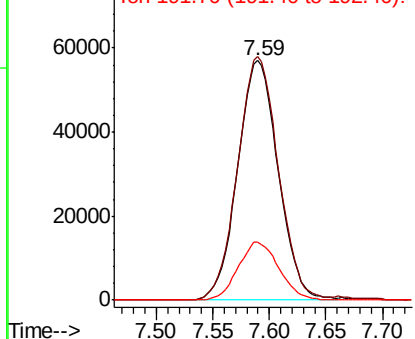


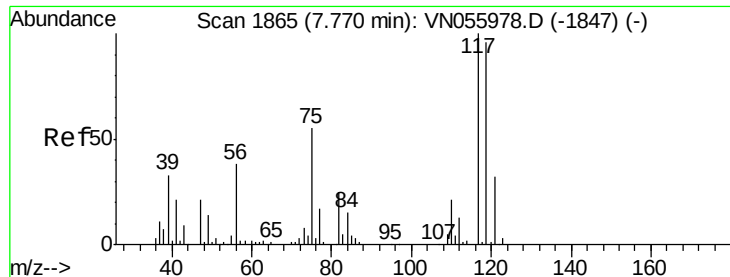
#35
Dibromofluoromethane
Concen: 46.862 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

Tgt Ion:113 Resp: 142295
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 24.4 19.5 29.3



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

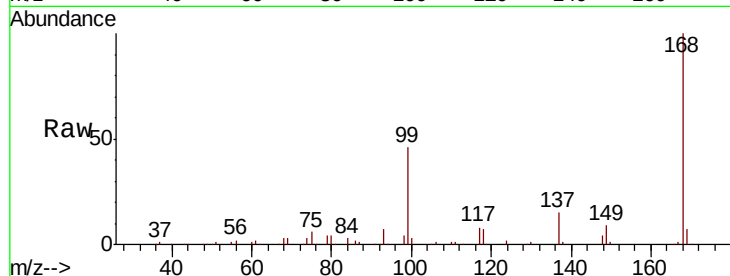




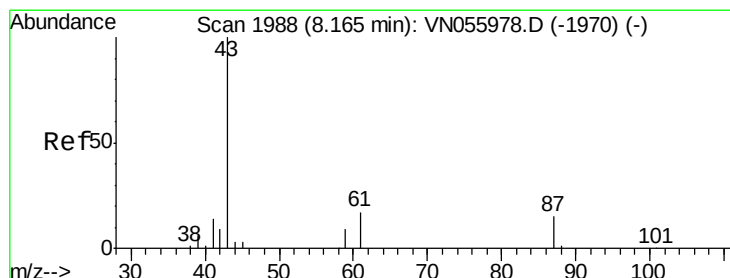
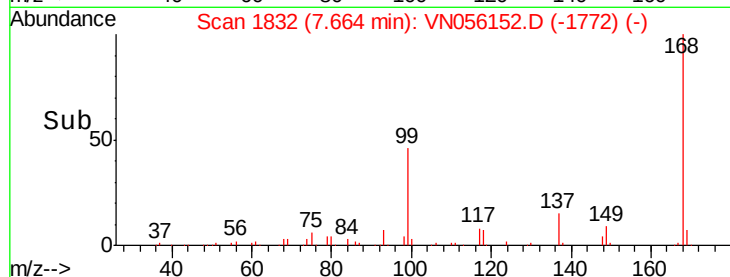
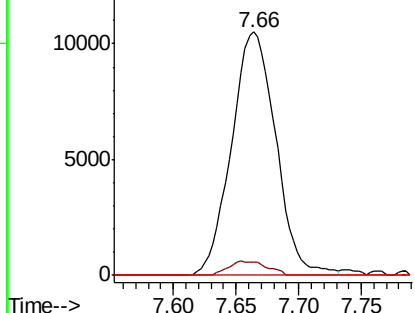
#38
Carbon Tetrachloride
Concen: 6.584 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 25830
Ion Ratio Lower Upper
117 100
119 5.5 79.0 118.6#
121 0.0 24.7 37.1#

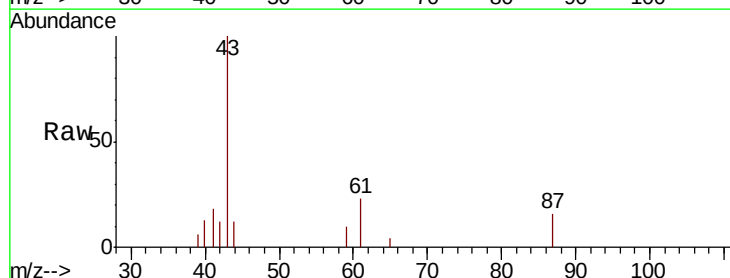


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

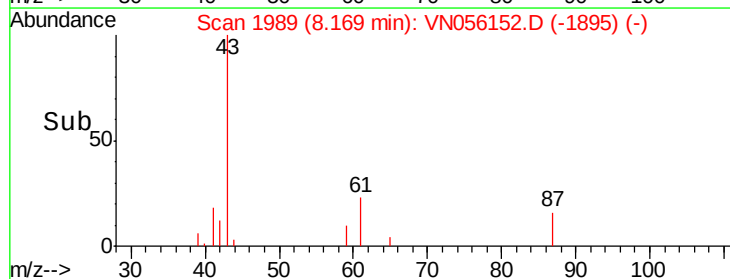
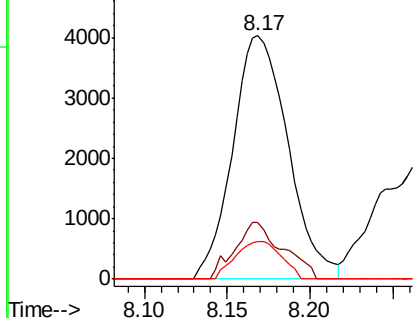


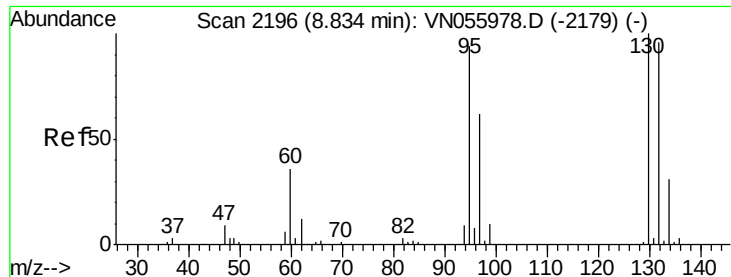
#43
Isopropyl Acetate
Concen: 1.530 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

Tgt Ion: 43 Resp: 9385
Ion Ratio Lower Upper
43 100
61 20.0 22.2 33.4#
87 12.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#44

Trichloroethene

Concen: 0.221 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Instrument :

MSVOA_N

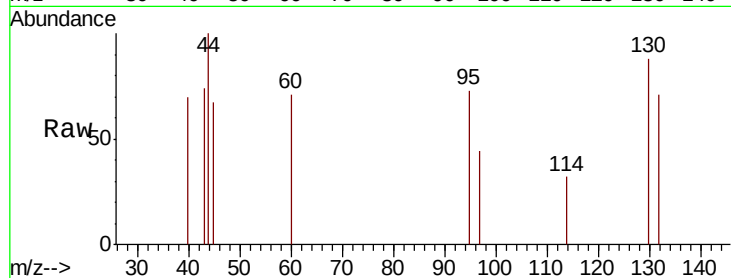
ClientSampled :

Tot Ion:130 Resp: 821

Ion Ratio Lower Upper

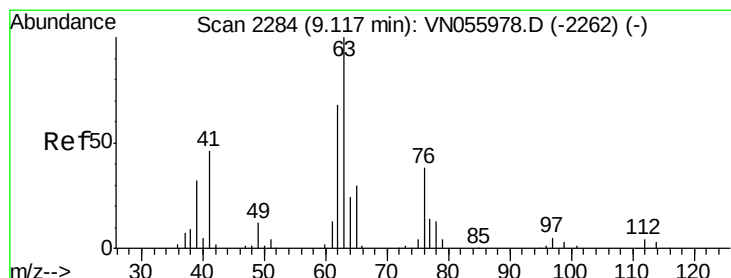
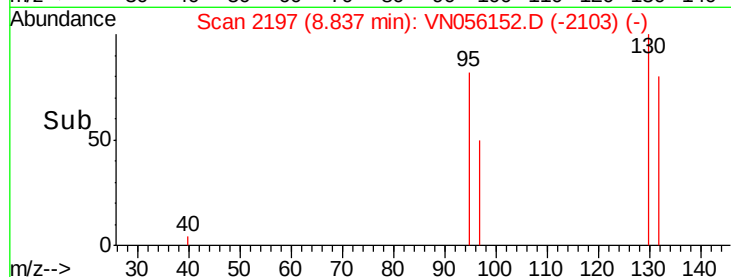
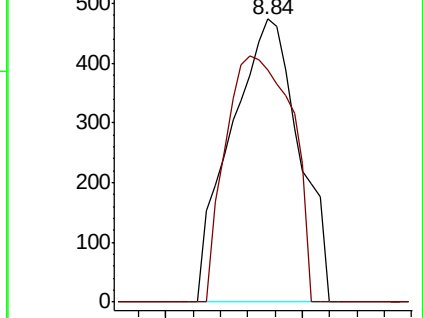
130 100

95 82.2 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 0.270 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN056152.D

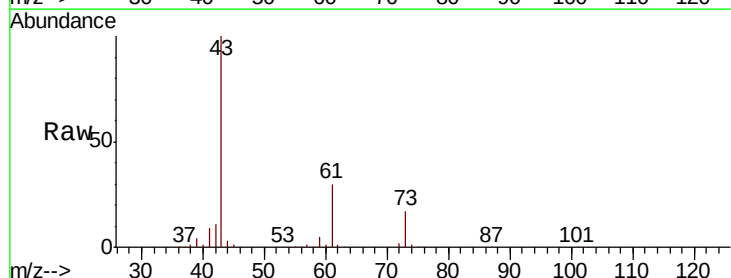
Acq: 8 Jun 2019 14:33

Tgt Ion: 63 Resp: 893

Ion Ratio Lower Upper

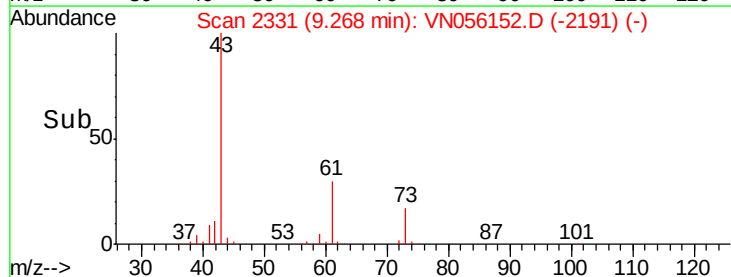
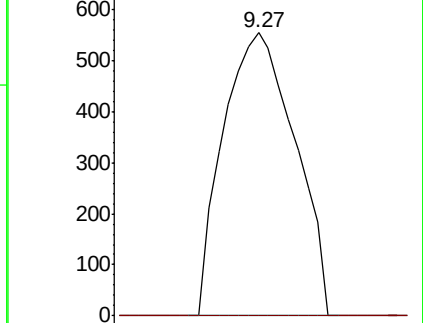
63 100

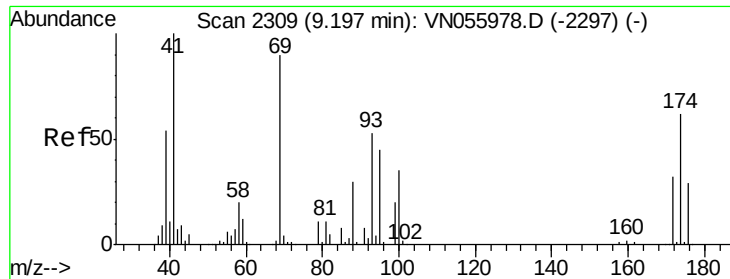
65 0.0 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

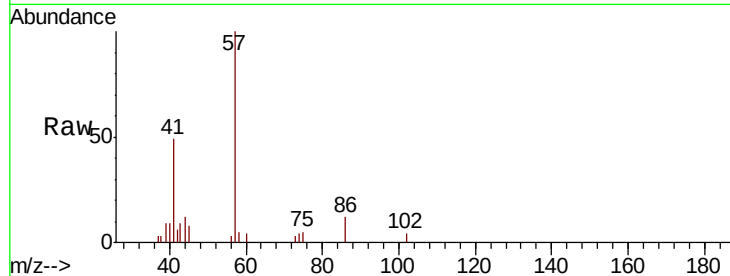




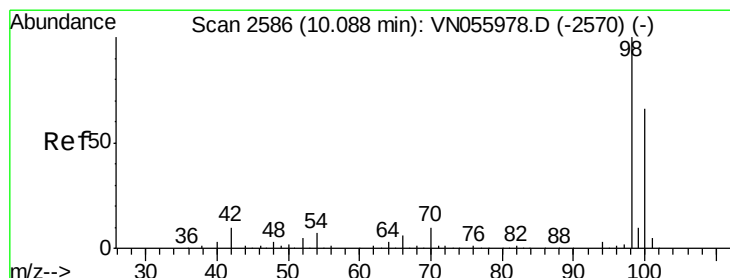
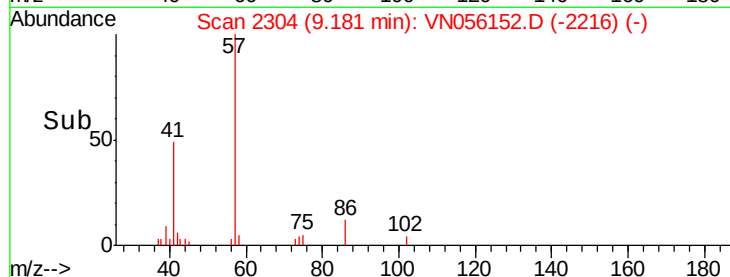
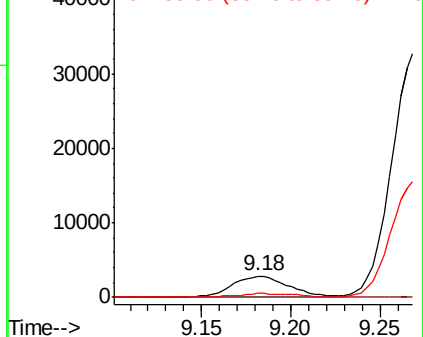
#48
Methvl methacrylate
Concen: 2.115 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 6349
Ion Ratio Lower Upper
41 100
69 0.0 71.0 106.6#
39 0.0 44.2 66.2#

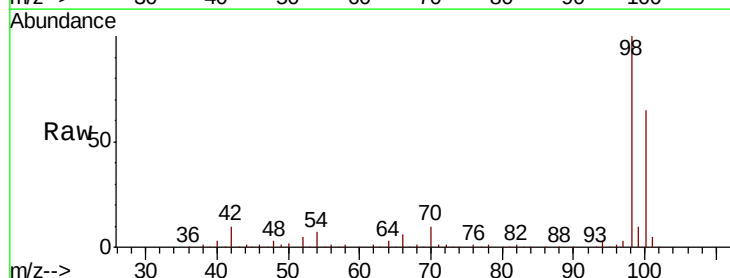


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

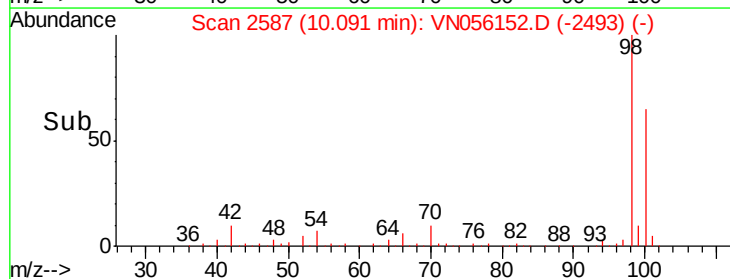
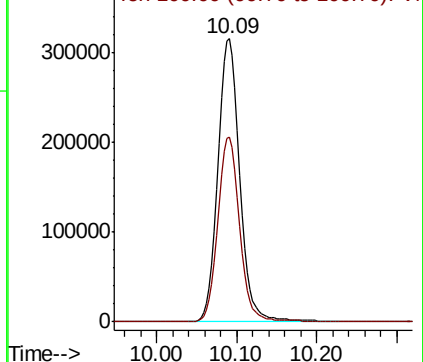


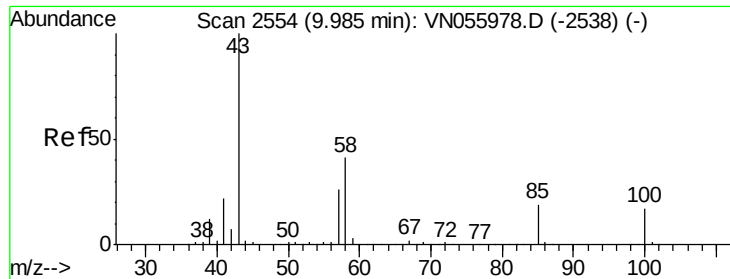
#50
Toluene-d8
Concen: 51.687 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

Tgt Ion: 98 Resp: 603937
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.453 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Instrument :

MSVOA_N

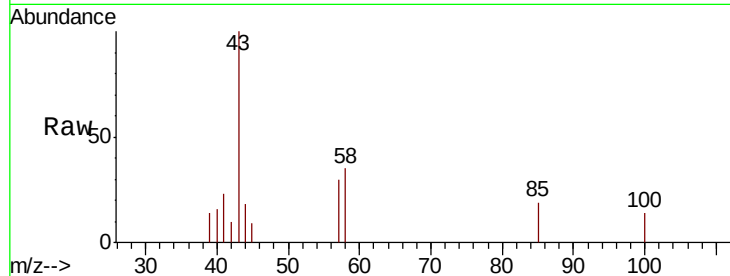
ClientSampled :

Tot Ion: 43 Resp: 5576

Ion Ratio Lower Upper

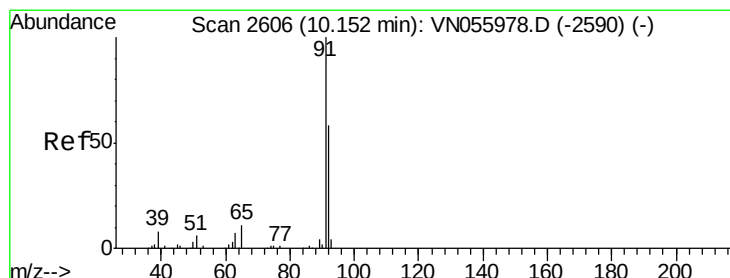
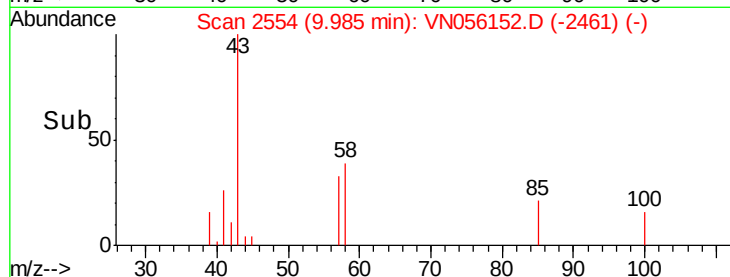
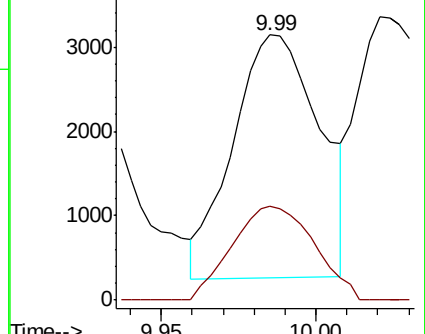
43 100

58 36.7 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 15.990 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056152.D

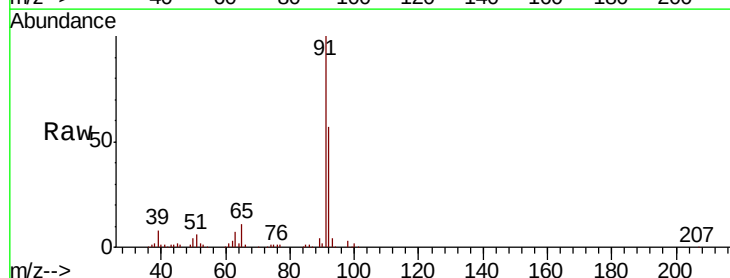
Acq: 8 Jun 2019 14:33

Tgt Ion: 92 Resp: 128608

Ion Ratio Lower Upper

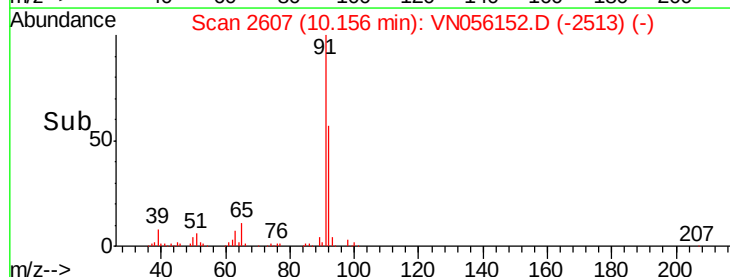
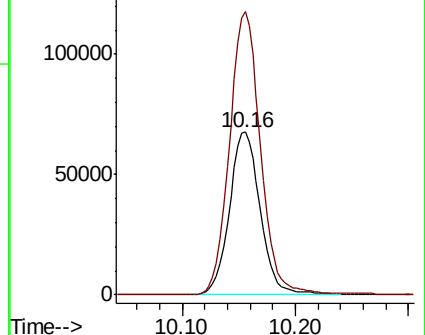
92 100

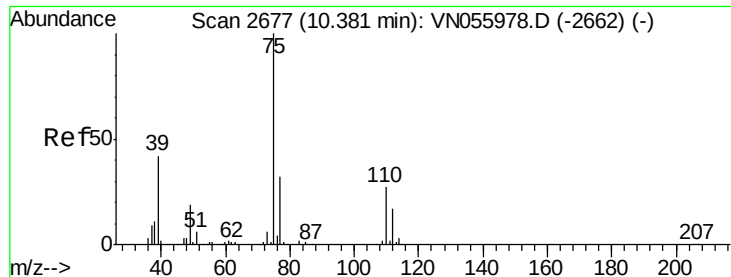
91 175.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 2.427 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.01 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Instrument :

MSVOA_N

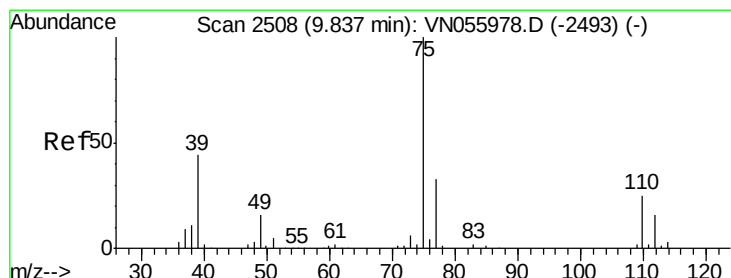
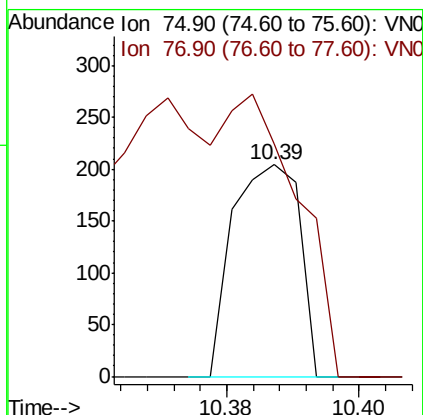
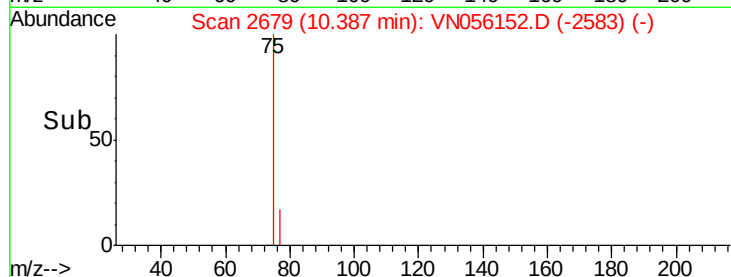
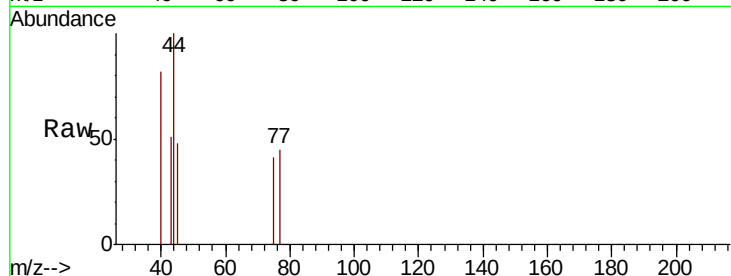
ClientSampled :

Tot Ion: 75 Resp: 143

Ion Ratio Lower Upper

75 100

77 109.8 25.8 38.6#



#54

cis-1,3-Dichloropropene

Concen: 8.301 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

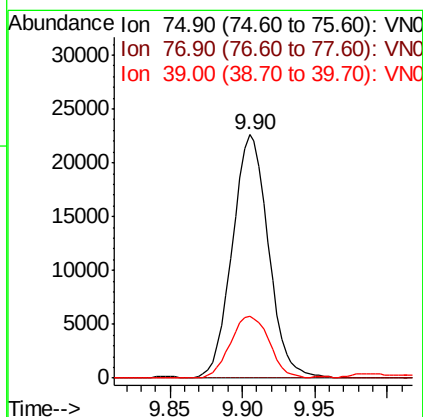
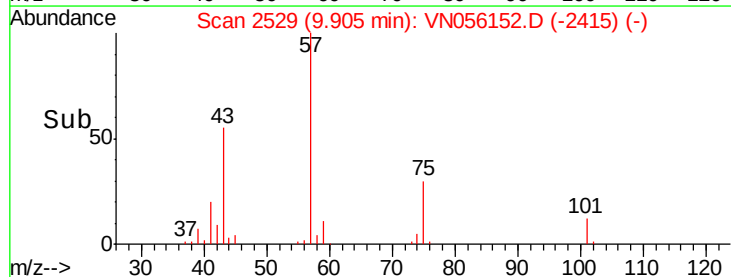
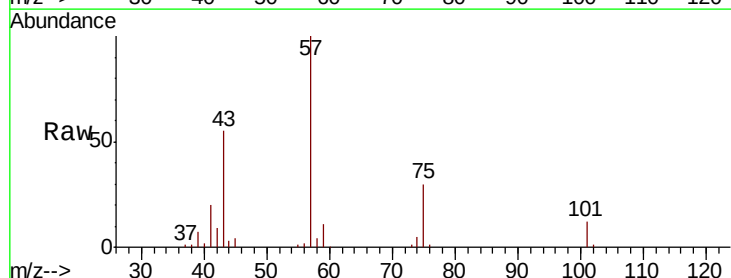
Tgt Ion: 75 Resp: 39153

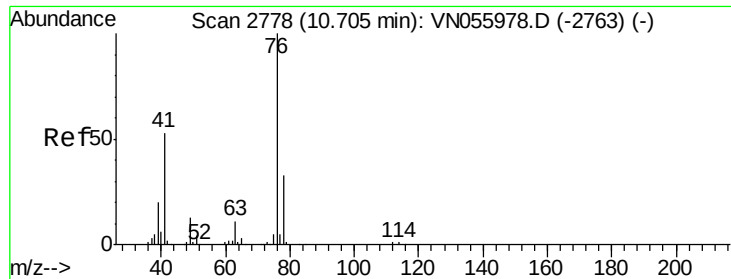
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 25.2 36.3 54.5#

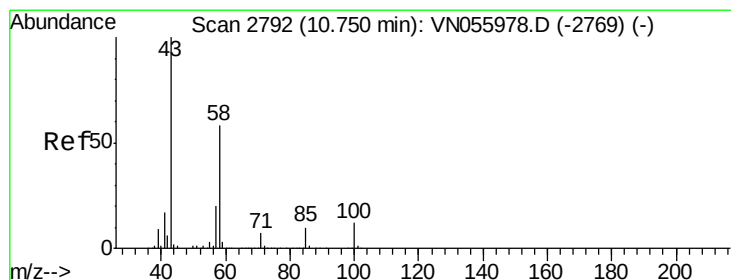
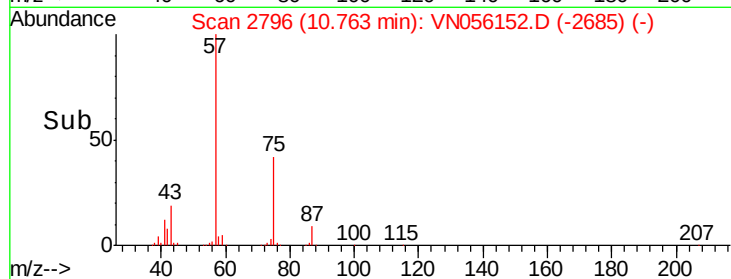
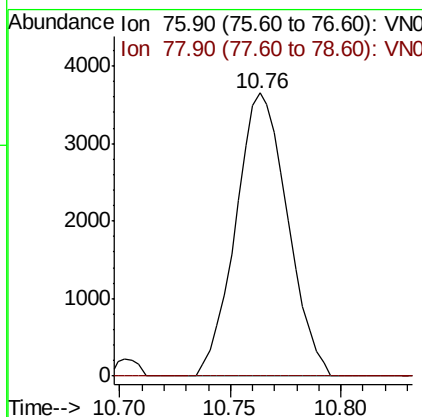
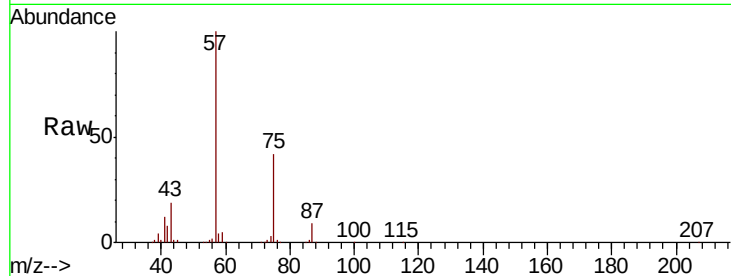




#57
 1,3-Dichloropropane
 Concen: 1.147 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN056152.D
 Acq: 8 Jun 2019 14:33

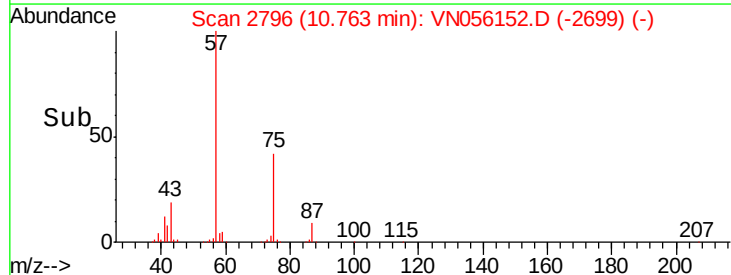
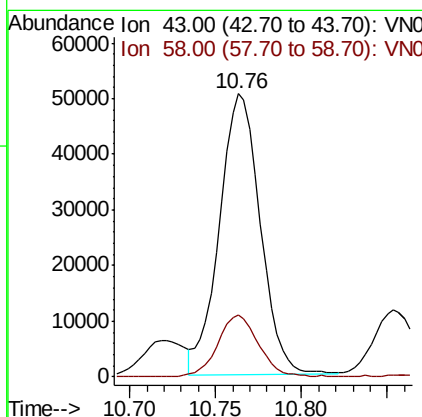
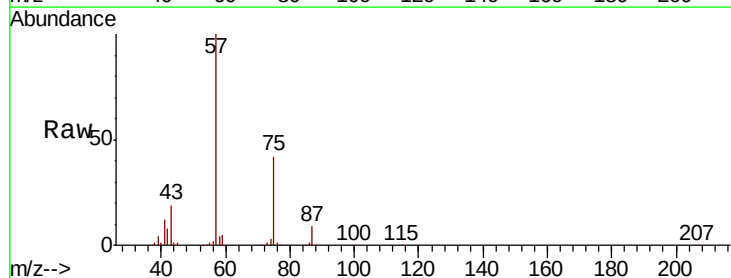
Instrument :
 MSVOA_N
 ClientSampleId :

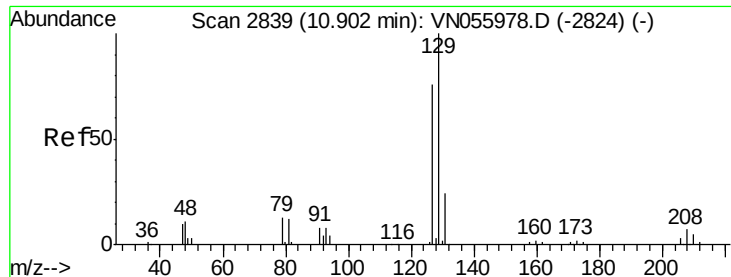
Tot Ion: 76 Resp: 5941
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 30.007 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN056152.D
 Acq: 8 Jun 2019 14:33

Tgt Ion: 43 Resp: 83449
 Ion Ratio Lower Upper
 43 100
 58 22.1 28.2 84.7#

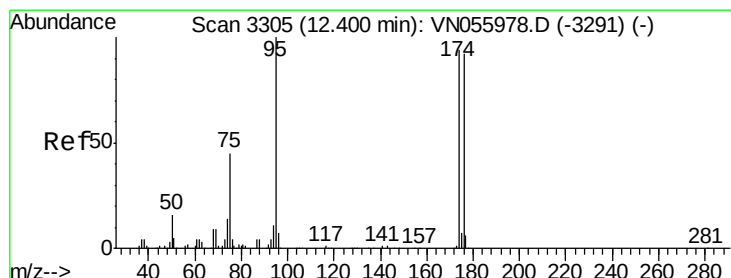
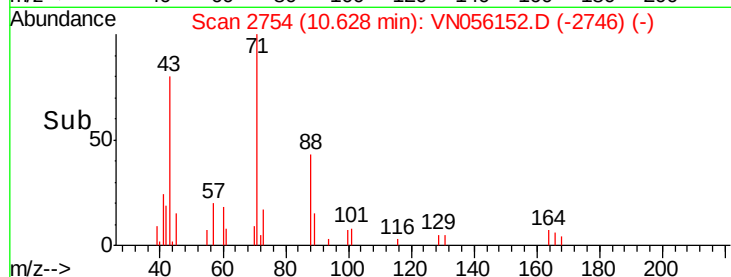
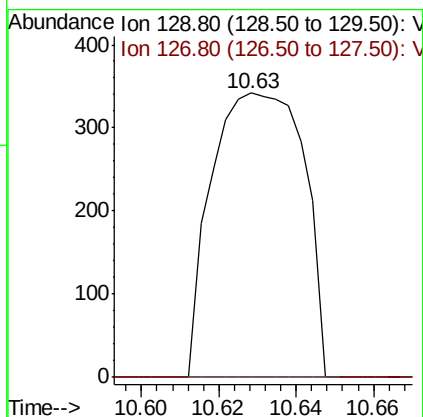
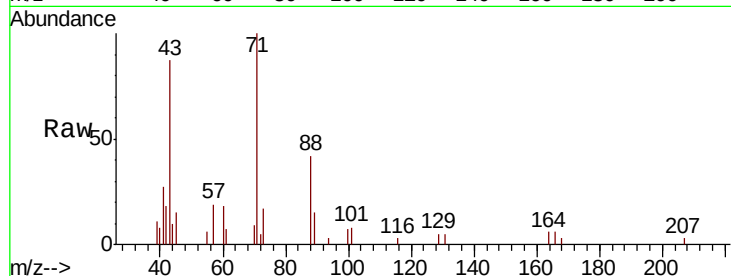




#60
 Dibromochloromethane
 Concen: 2.604 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. -0.27 min
 Lab File: VN056152.D
 Acq: 8 Jun 2019 14:33

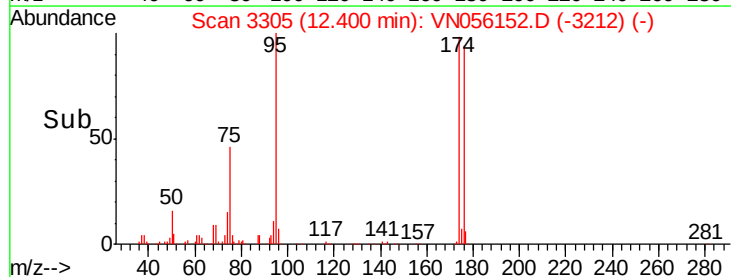
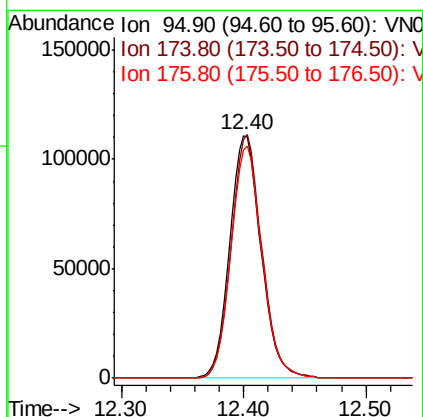
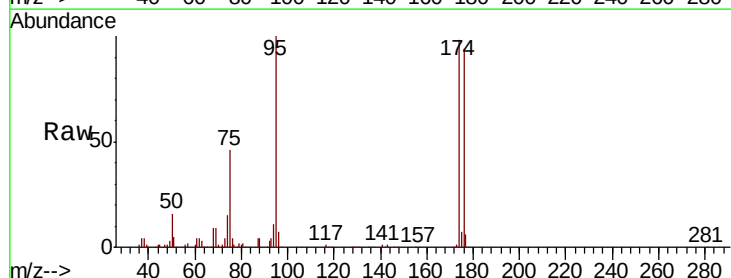
Instrument :
 MSVOA_N
 ClientSampleId :

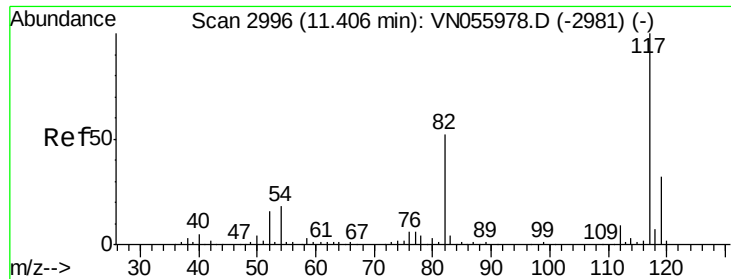
Tot Ion:129 Resp: 563
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.1 114.3#



#62
 4-Bromofluorobenzene
 Concen: 49.751 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056152.D
 Acq: 8 Jun 2019 14:33

Tgt Ion: 95 Resp: 197688
 Ion Ratio Lower Upper
 95 100
 174 98.3 0.0 191.0
 176 94.6 0.0 185.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

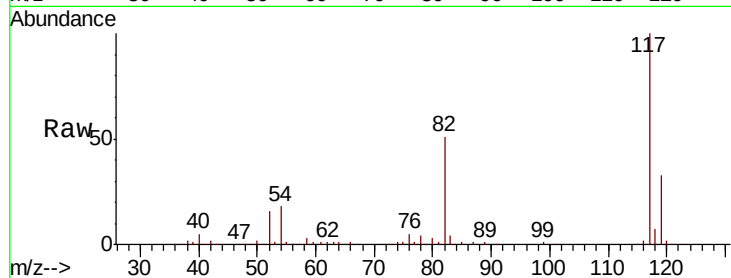
Tot Ion:117 Resp: 485259

Ion Ratio Lower Upper

117 100

82 51.3 41.8 62.8

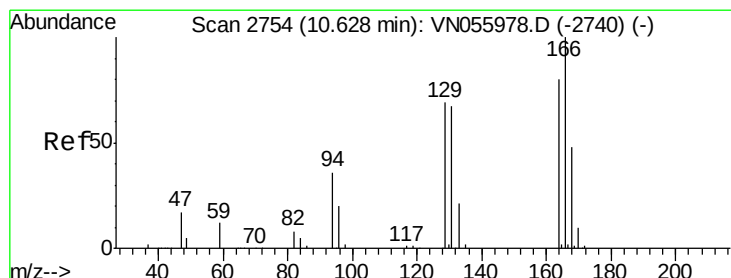
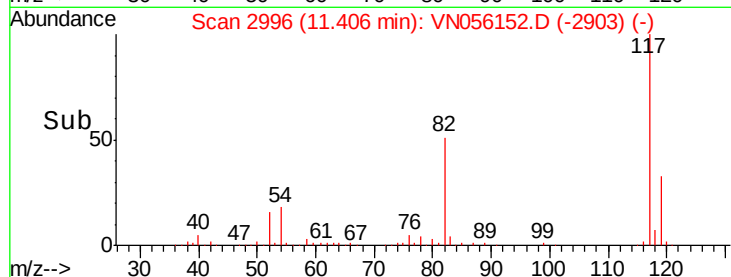
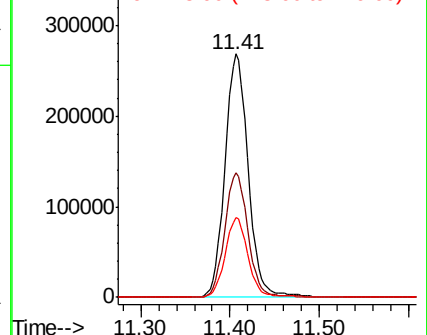
119 33.0 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 0.200 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Tgt Ion:164 Resp: 842

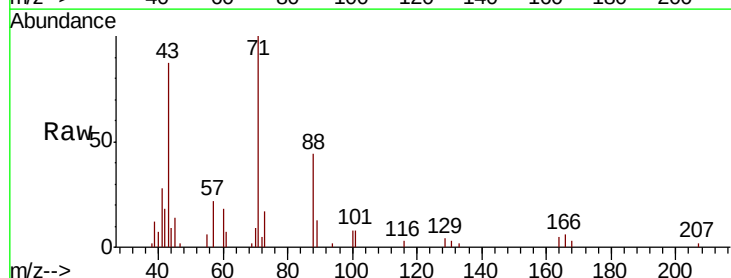
Ion Ratio Lower Upper

164 100

166 105.4 103.0 154.6

129 69.7 70.6 105.8#

131 63.3 68.6 102.8#

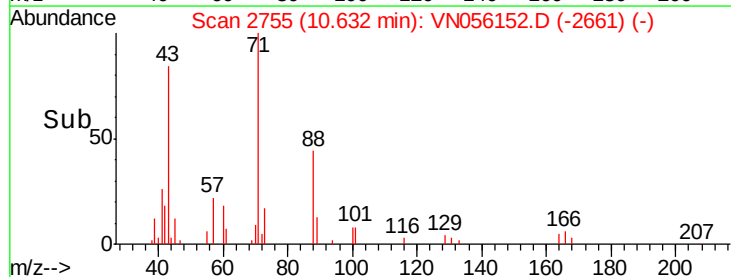
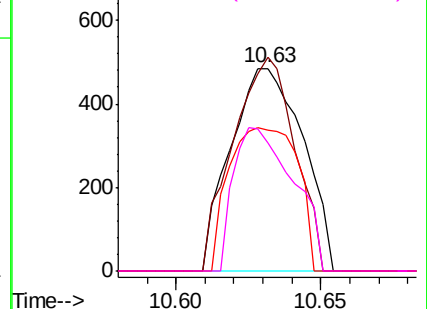


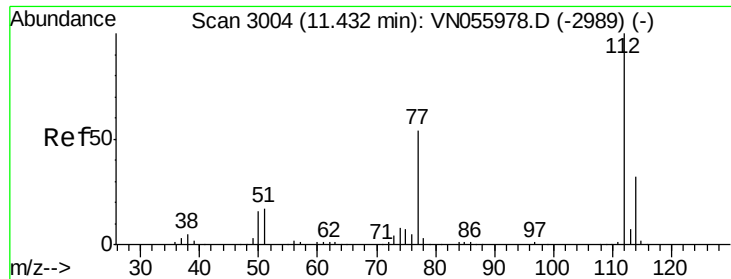
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

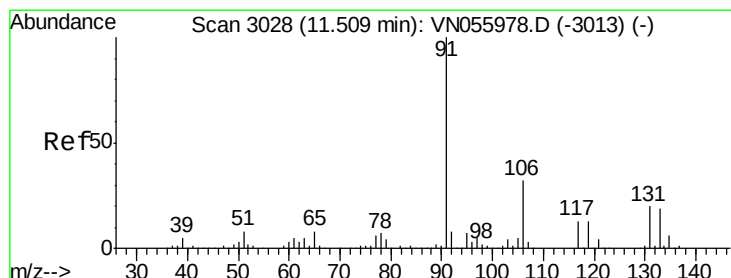
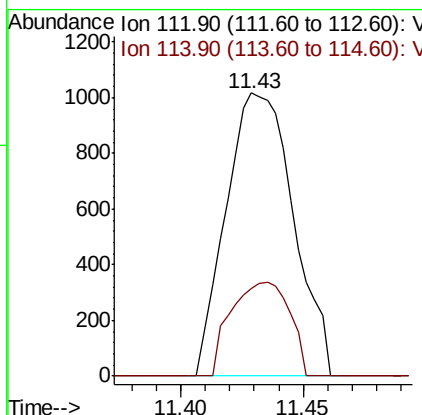
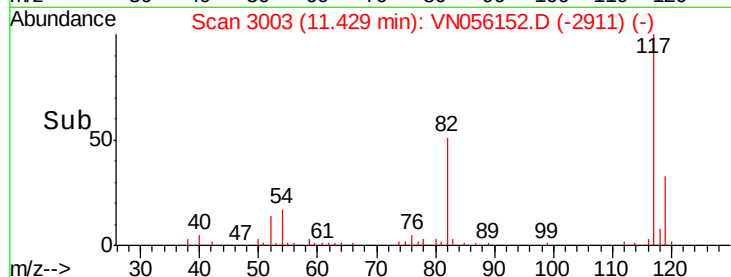
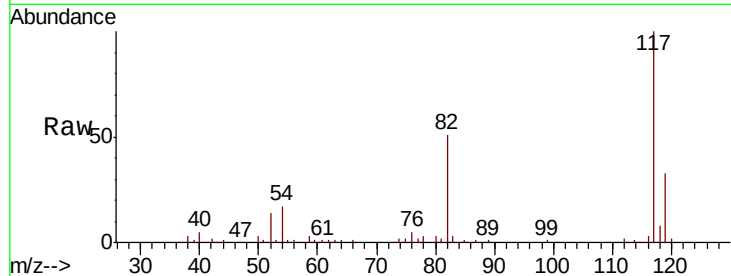




#65
Chlorobenzene
Concen: 0.202 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

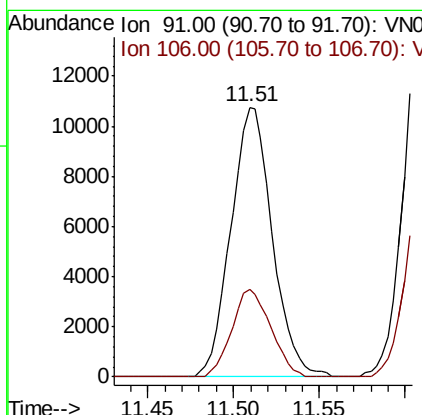
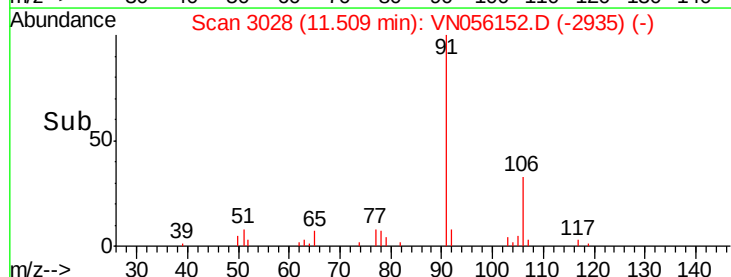
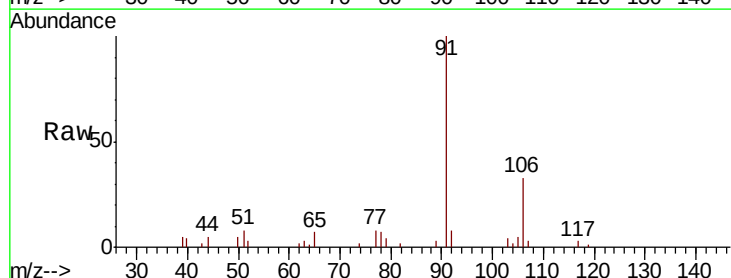
Instrument :
MSVOA_N
ClientSampled :

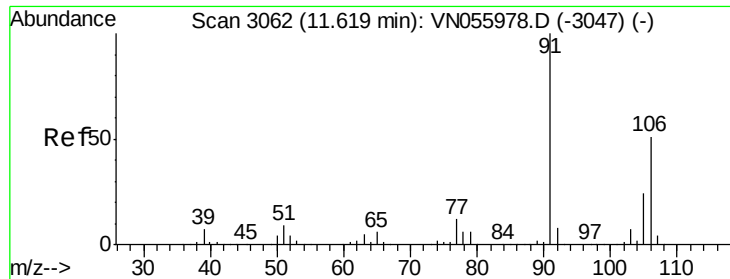
Tot Ion:112 Resp: 1947
Ion Ratio Lower Upper
112 100
114 30.9 26.2 39.4



#67
Ethyl Benzene
Concen: 1.071 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

Tgt Ion: 91 Resp: 17977
Ion Ratio Lower Upper
91 100
106 32.6 25.1 37.7

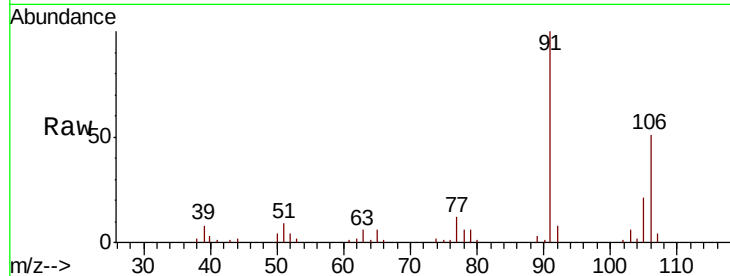




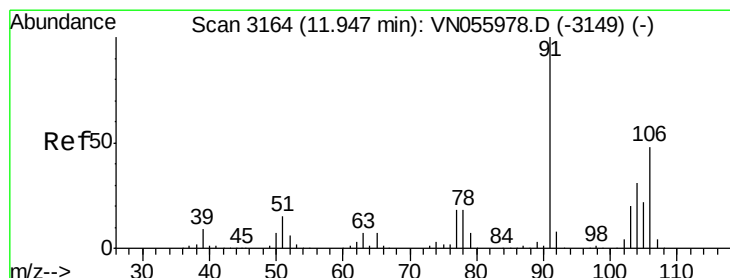
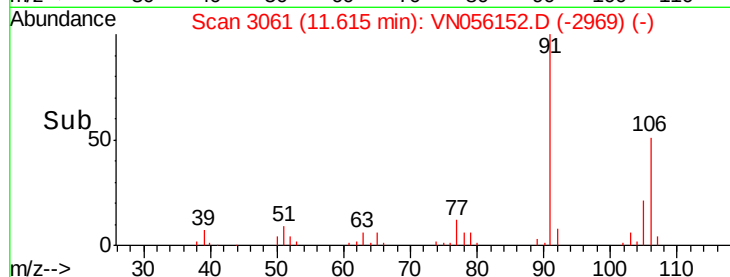
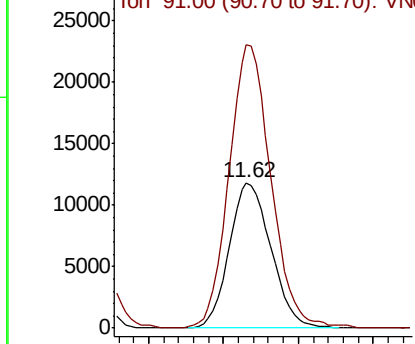
#68
m/p-Xylenes
Concen: 3.567 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 22884
Ion Ratio Lower Upper
106 100
91 196.2 159.3 238.9

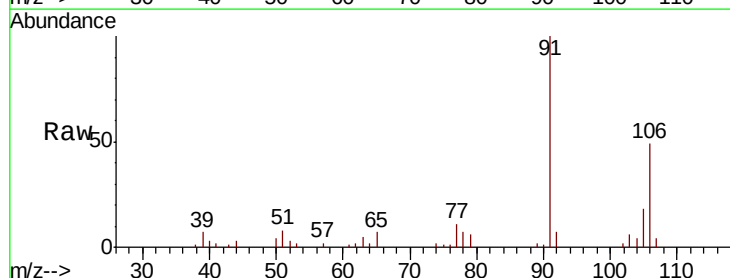


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

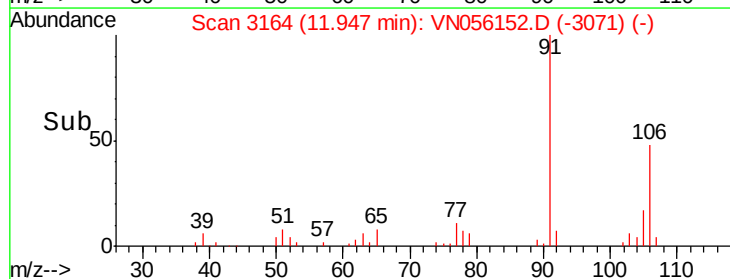
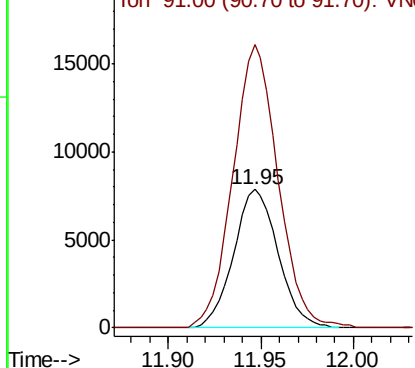


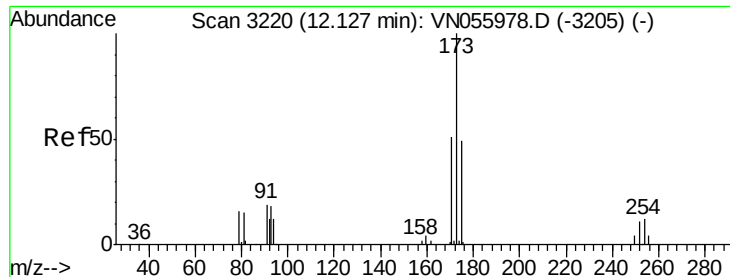
#69
o-Xylene
Concen: 2.074 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

Tgt Ion:106 Resp: 13088
Ion Ratio Lower Upper
106 100
91 207.2 104.7 314.1



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





#71

Bromoform

Concen: 3.223 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Instrument :

MSVOA_N

ClientSampled :

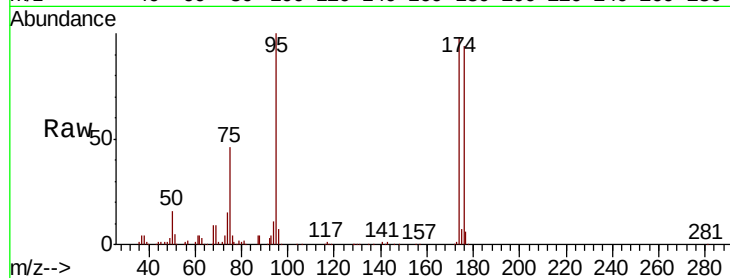
Tot Ion:173 Resp: 1425

Ion Ratio Lower Upper

173 100

175 832.5 24.3 72.8#

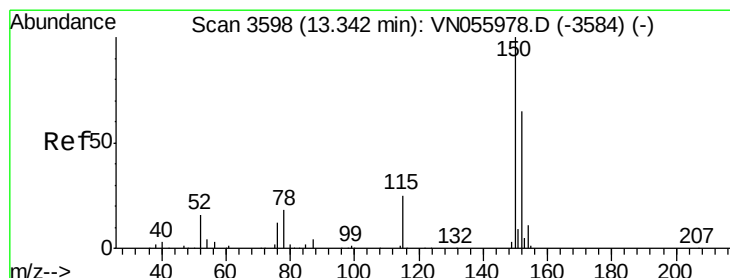
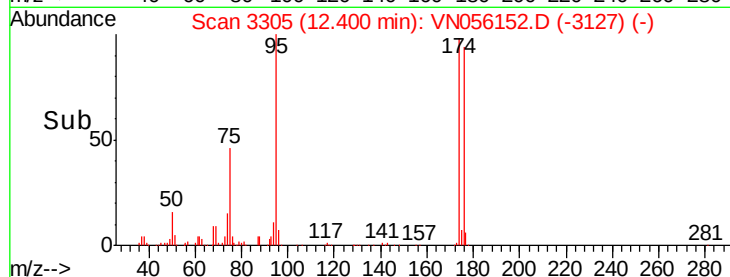
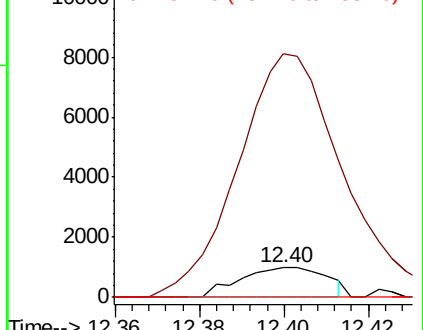
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

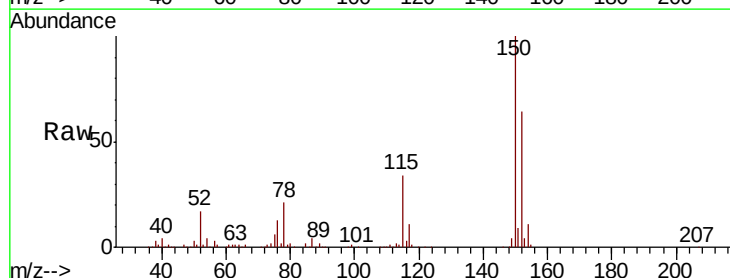
Tgt Ion:152 Resp: 164228

Ion Ratio Lower Upper

152 100

115 53.4 27.0 81.0

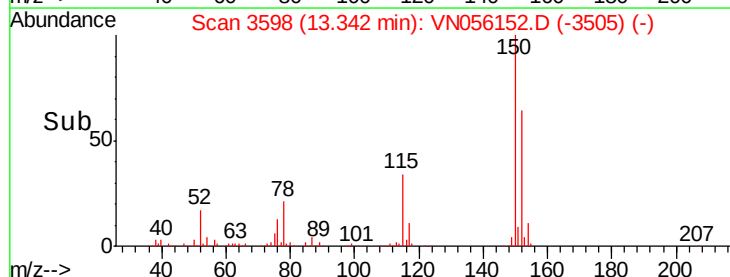
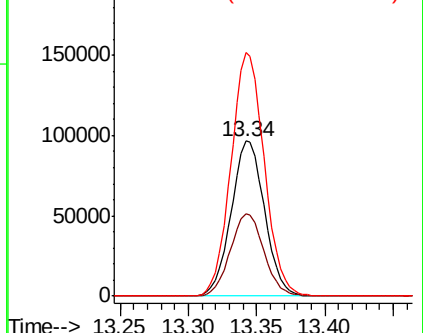
150 156.7 0.0 343.2

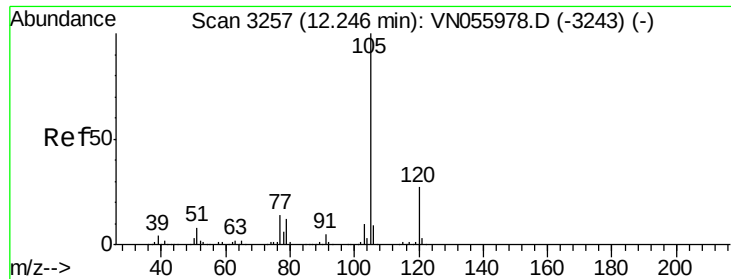


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Instrument :

MSVOA_N

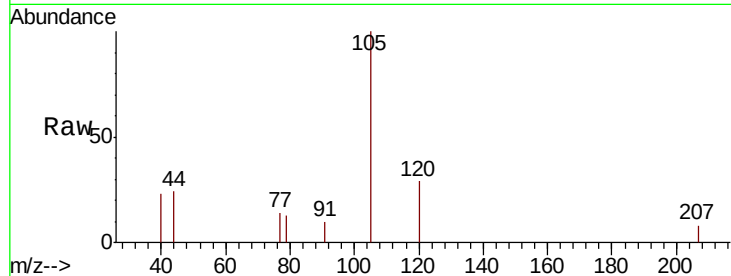
ClientSampleId :

Tot Ion:105 Resp: 2955

Ion Ratio Lower Upper

105 100

120 22.7 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

2000

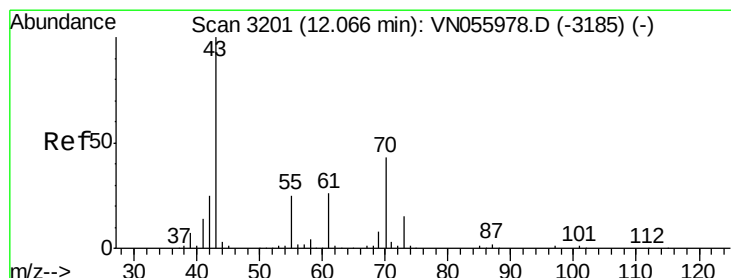
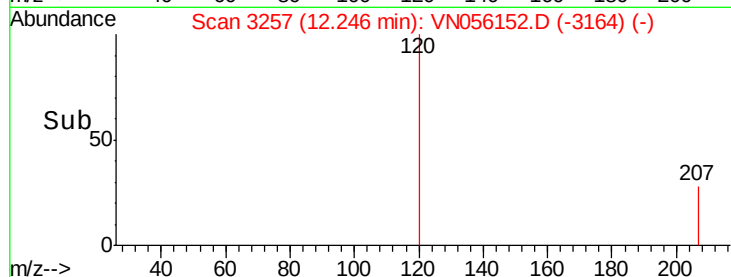
1500

1000

500

0

Time--> 12.20 12.25



#74

N-ethyl acetate

Concen: 0.462 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.01 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Tgt Ion: 43 Resp: 2023

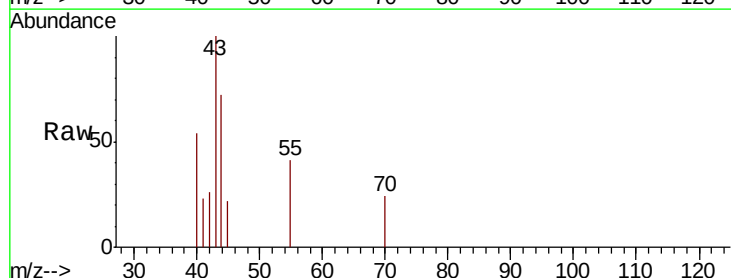
Ion Ratio Lower Upper

43 100

70 9.2 34.0 51.0#

55 9.7 18.6 28.0#

61 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

1200

1000

800

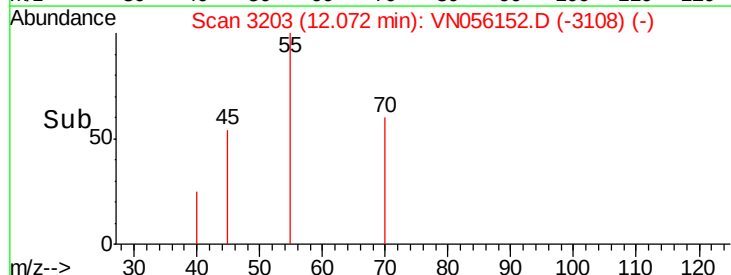
600

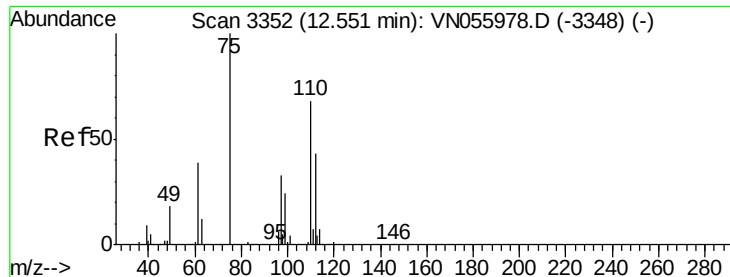
400

200

0

Time--> 12.00 12.05 12.10 12.15





#76

1,2,3-Trichloropropane

Concen: 29.665 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Instrument :

MSVOA_N

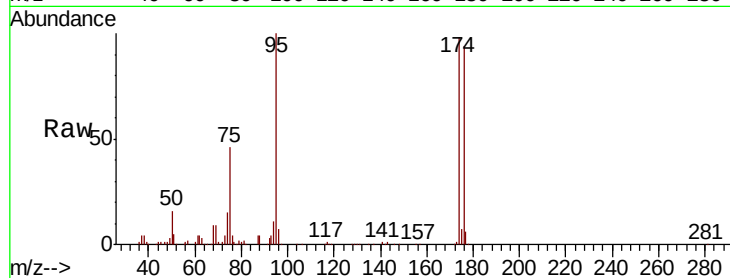
ClientSampleId :

Tot Ion: 75 Resp: 89645

Ion Ratio Lower Upper

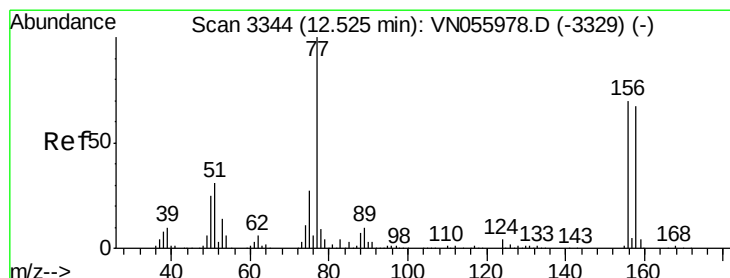
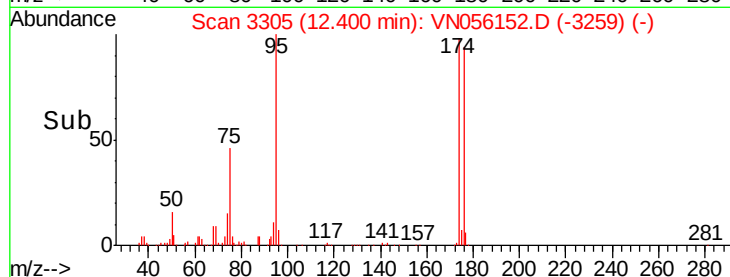
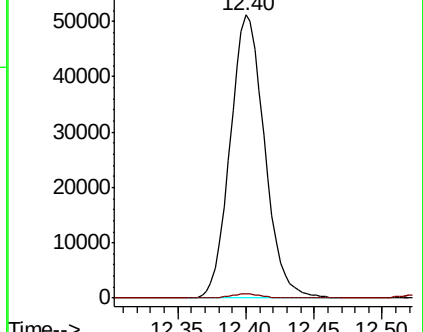
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-3348) (-)



#77

Bromobenzene

Concen: 0.207 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.01 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

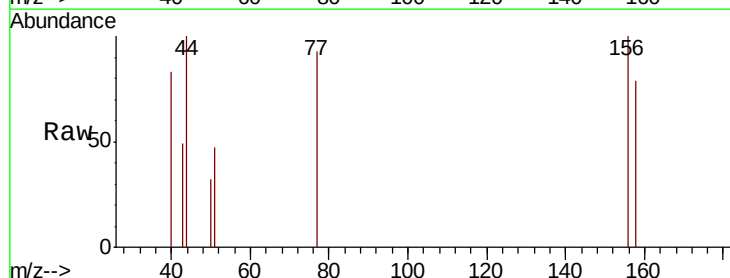
Tgt Ion: 156 Resp: 728

Ion Ratio Lower Upper

156 100

77 134.6 90.8 272.5

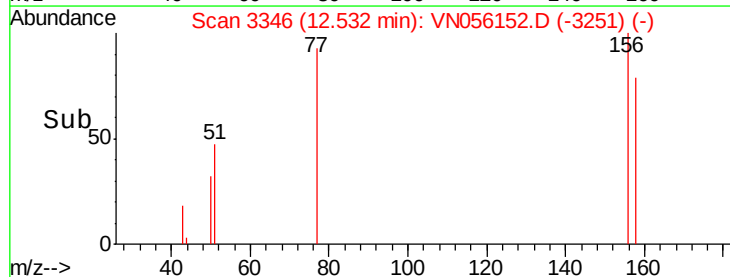
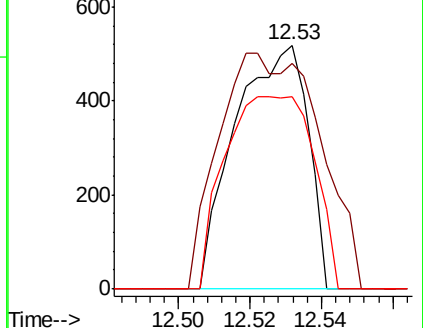
158 96.4 49.3 147.8

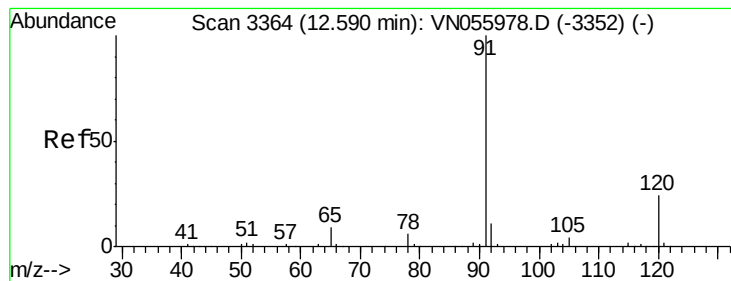


Abundance Ion 155.80 (155.50 to 156.50): VN055978.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN055978.D (-3329) (-)





#78

n-propylbenzene

Concen: 0.311 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Instrument :

MSVOA_N

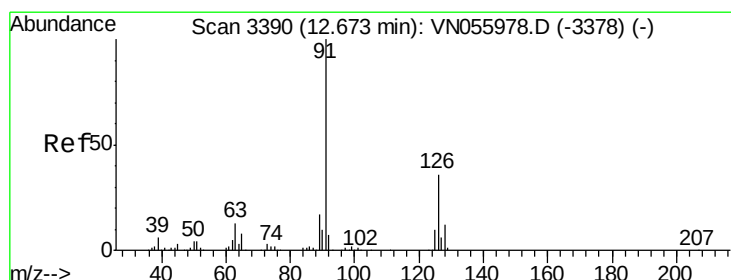
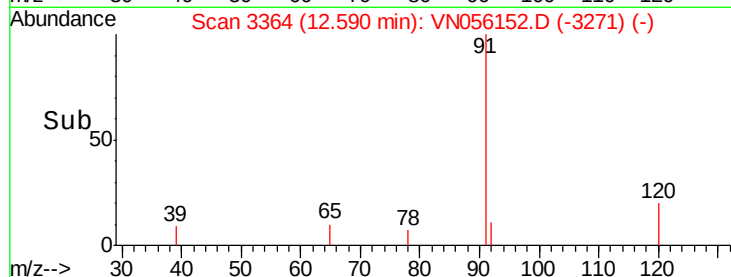
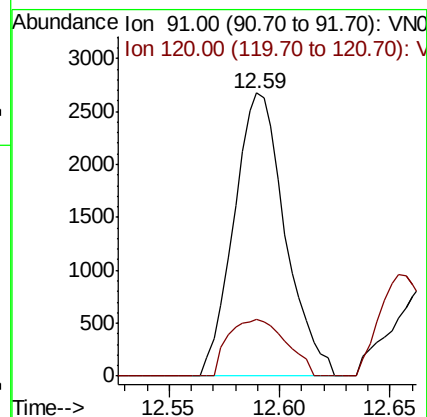
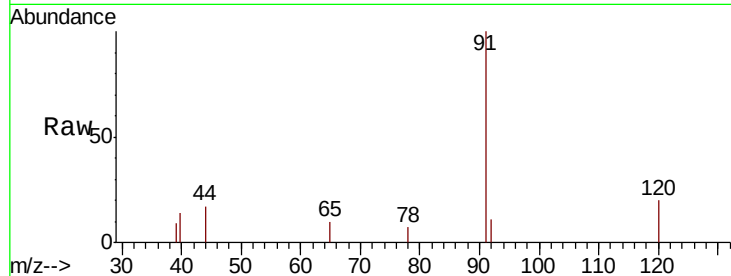
ClientSampled :

Tot Ion: 91 Resp: 4315

Ion Ratio Lower Upper

91 100

120 22.5 12.0 36.0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN056152.D

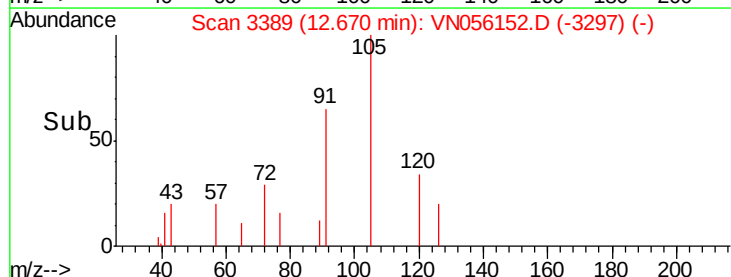
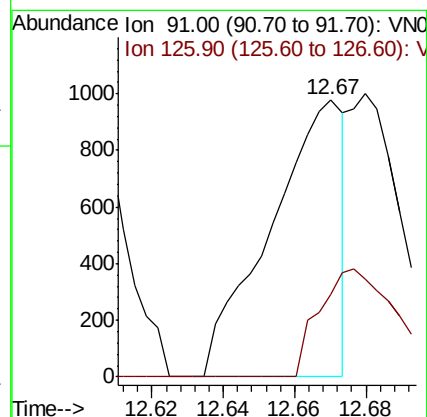
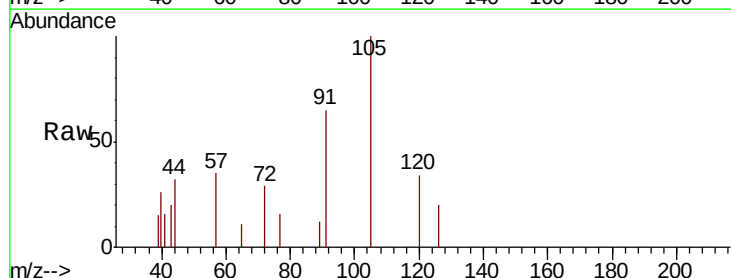
Acq: 8 Jun 2019 14:33

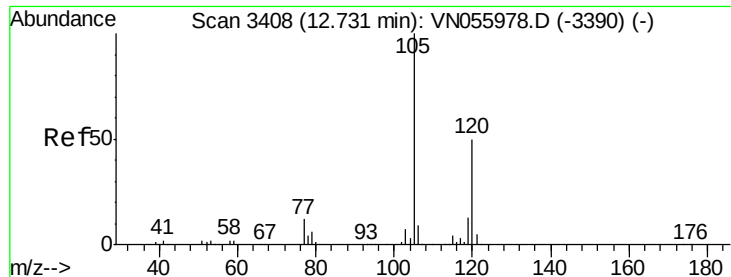
Tgt Ion: 91 Resp: 1394

Ion Ratio Lower Upper

91 100

126 38.2 18.1 54.4





#80

1,3,5-Trimethylbenzene

Concen: 0.427 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Instrument :

MSVOA_N

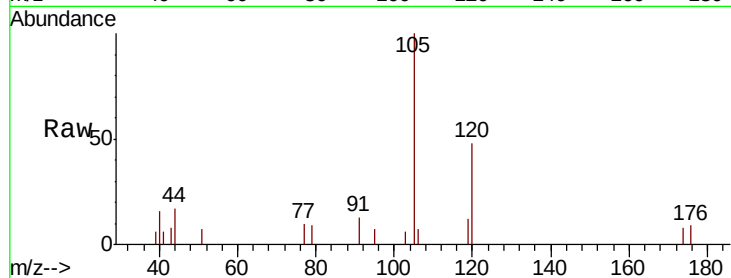
ClientSampleId :

Tot Ion:105 Resp: 4720

Ion Ratio Lower Upper

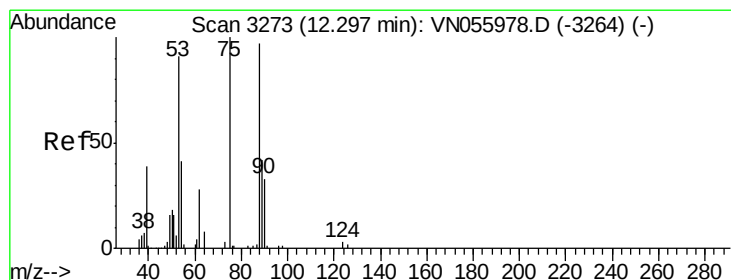
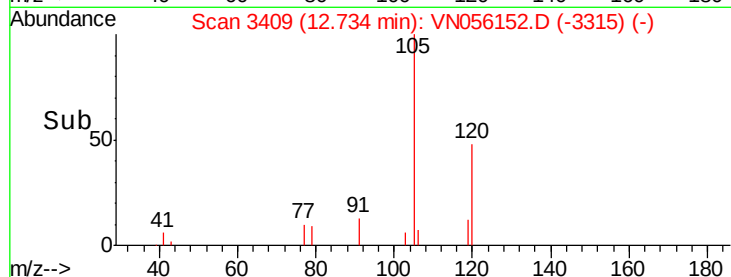
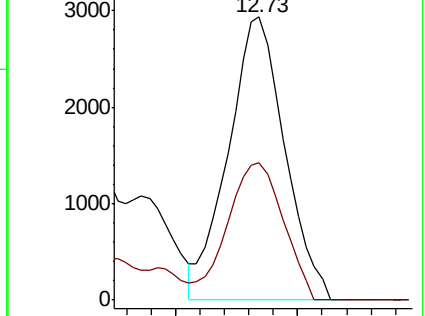
105 100

120 48.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 98.792 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

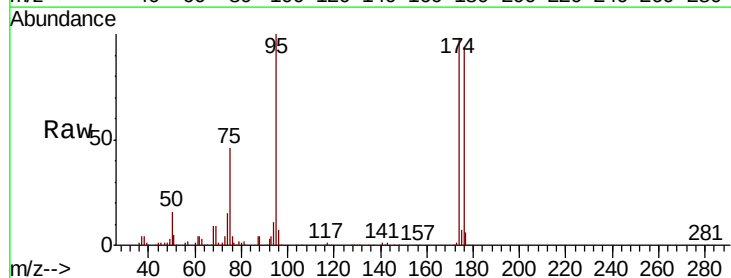
Tgt Ion: 75 Resp: 89645

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

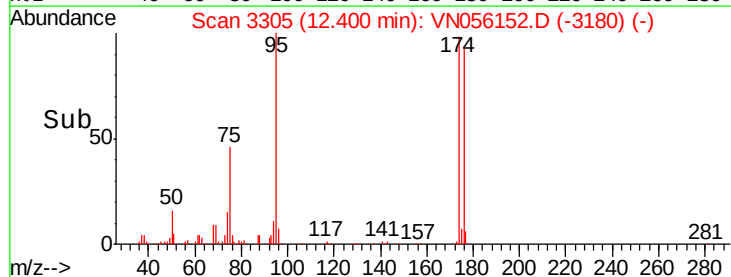
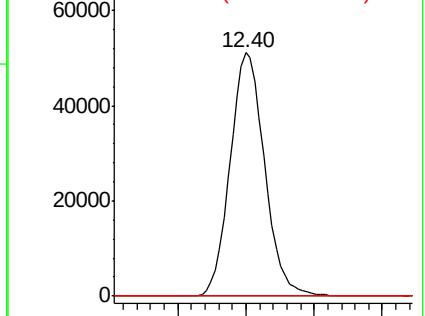
89 0.0 36.9 55.3#

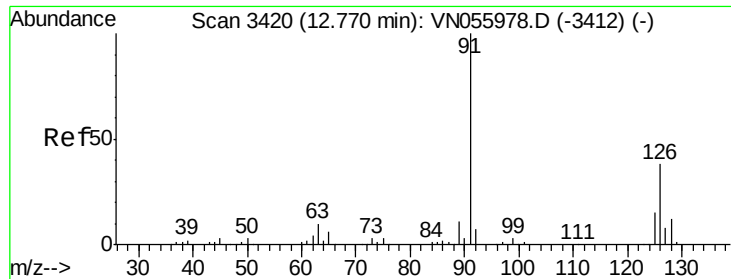


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

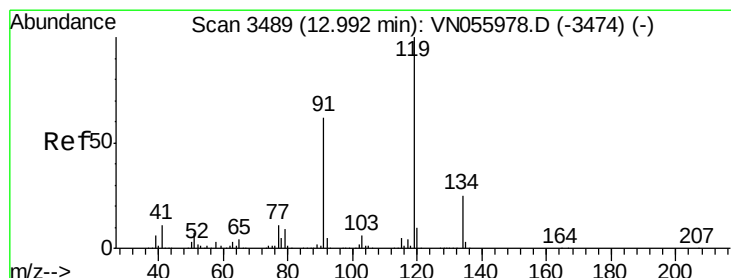
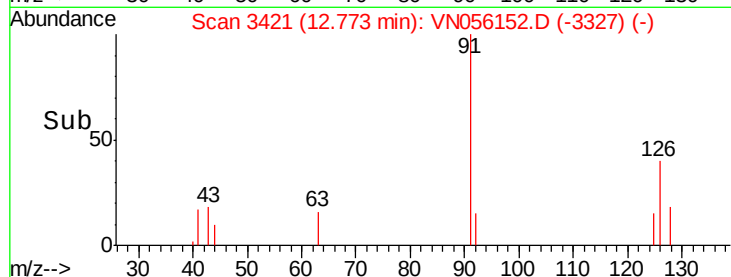
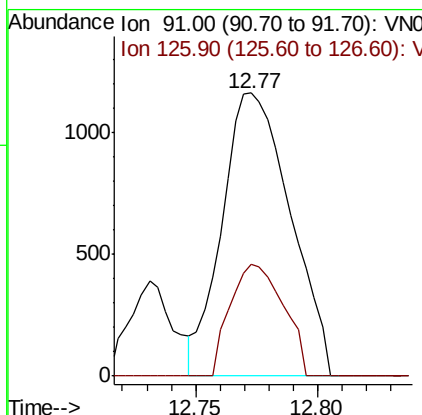
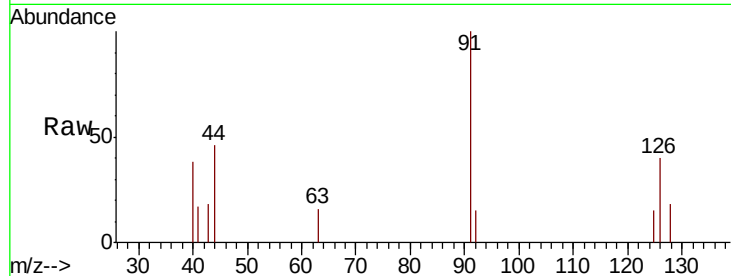




#82
 4-Chlorotoluene
 Concen: 0.278 ug/l
 RT: 12.77 min Scan# 3421
 Delta R.T. 0.00 min
 Lab File: VN056152.D
 Acq: 8 Jun 2019 14:33

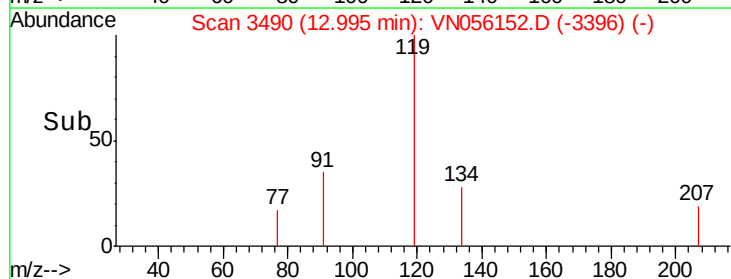
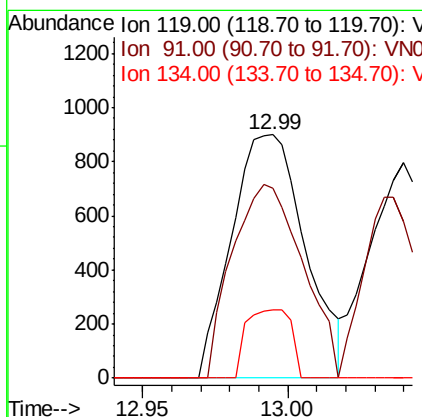
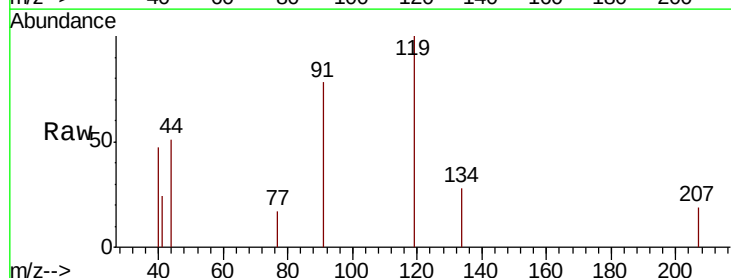
Instrument :
 MSVOA_N
 ClientSampled :

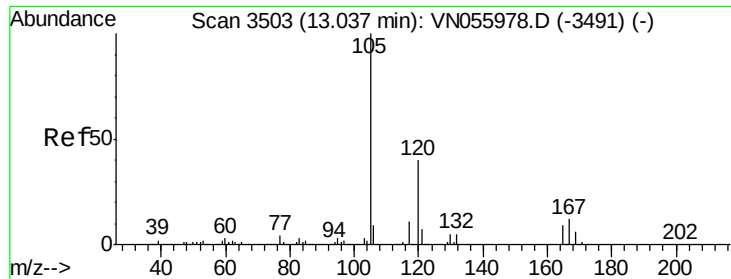
Tot Ion: 91 Resp: 2261
 Ion Ratio Lower Upper
 91 100
 126 30.9 17.8 53.3



#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN056152.D
 Acq: 8 Jun 2019 14:33

Tgt Ion: 119 Resp: 1589
 Ion Ratio Lower Upper
 119 100
 91 75.8 30.9 92.8
 134 17.0 13.3 39.8

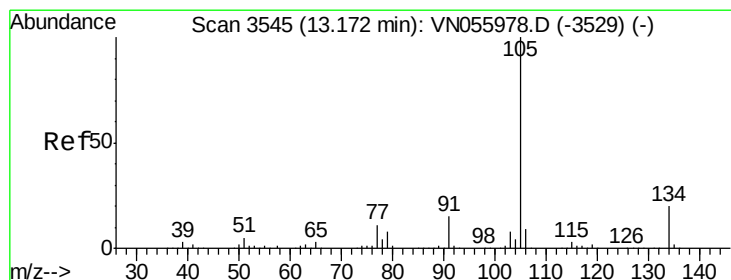
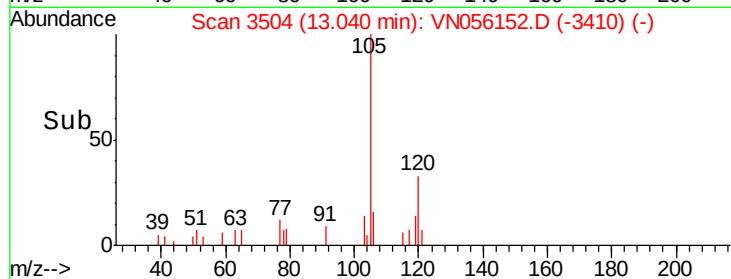
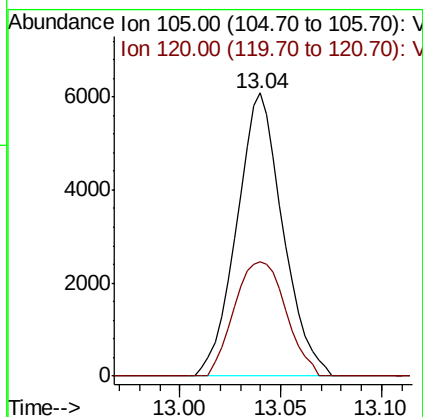
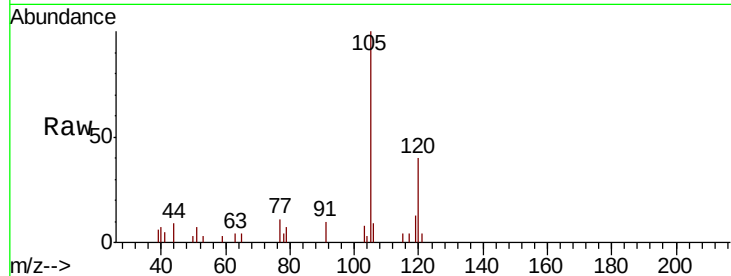




#84
1,2,4-Trimethylbenzene
Concen: 0.930 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

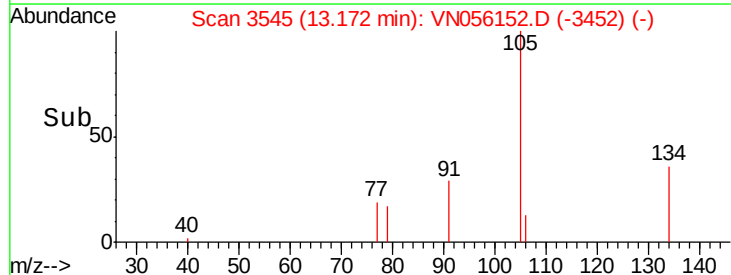
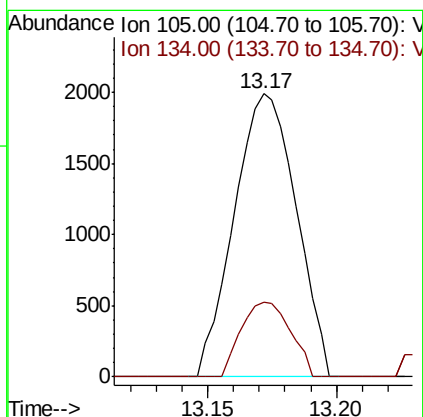
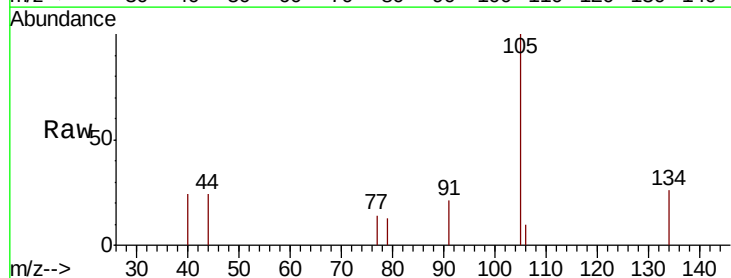
Instrument :
MSVOA_N
ClientSampled :

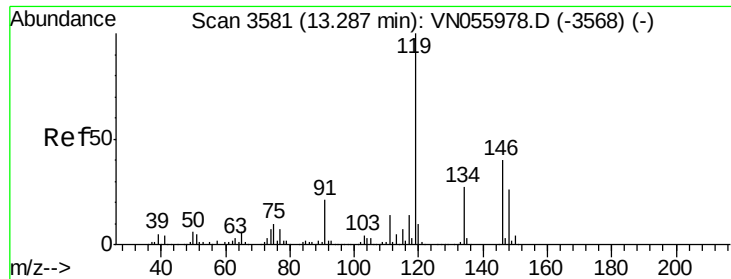
Tot Ion:105 Resp: 9738
Ion Ratio Lower Upper
105 100
120 45.1 23.0 69.0



#85
sec-Butylbenzene
Concen: 0.271 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN056152.D
Acq: 8 Jun 2019 14:33

Tgt Ion:105 Resp: 3329
Ion Ratio Lower Upper
105 100
134 21.1 10.4 31.2





#86

p-Isopropyltoluene

Concen: 0.302 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

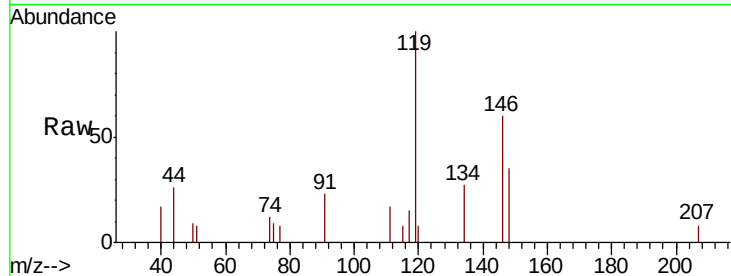
Tot Ion:119 Resp: 3321

Ion Ratio Lower Upper

119 100

134 25.0 13.4 40.1

91 21.7 10.9 32.9

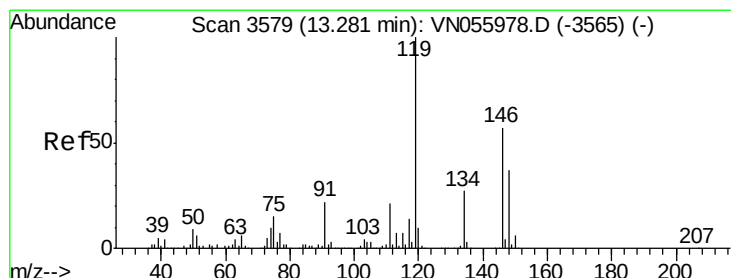
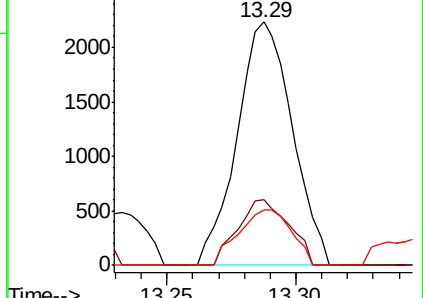
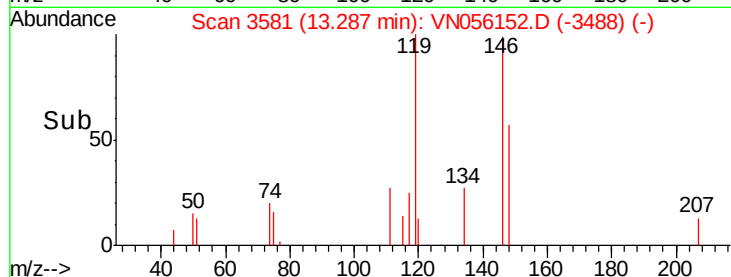


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

Time-->



#87

1,3-Dichlorobenzene

Concen: 0.408 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.01 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

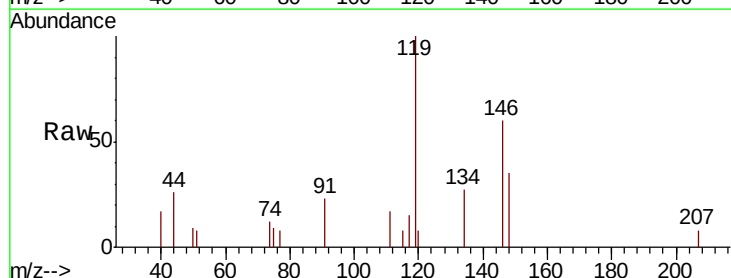
Tgt Ion:146 Resp: 2220

Ion Ratio Lower Upper

146 100

111 30.9 18.5 55.5

148 55.7 32.0 96.2

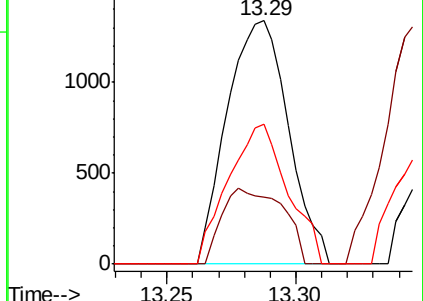
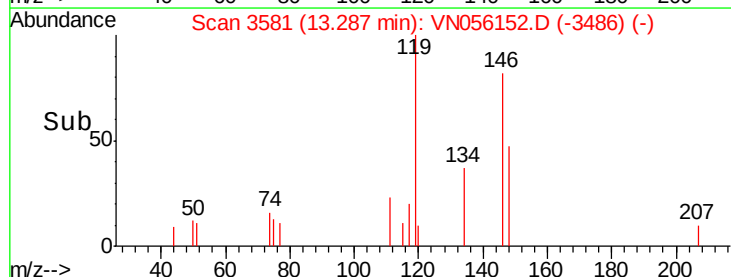


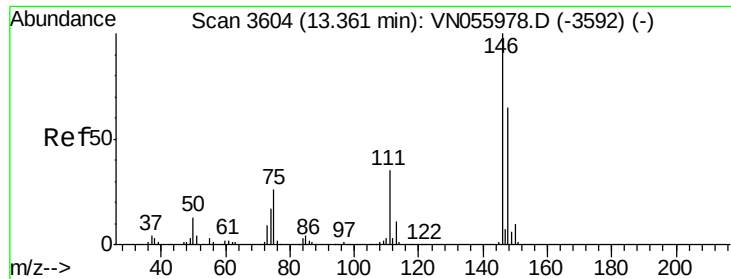
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

Time-->





#88

1,4-Dichlorobenzene

Concen: 0.424 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.07 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

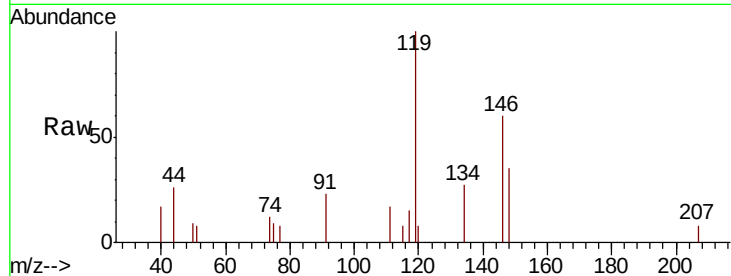
Tot Ion:146 Resp: 2220

Ion Ratio Lower Upper

146 100

111 30.9 18.1 54.4

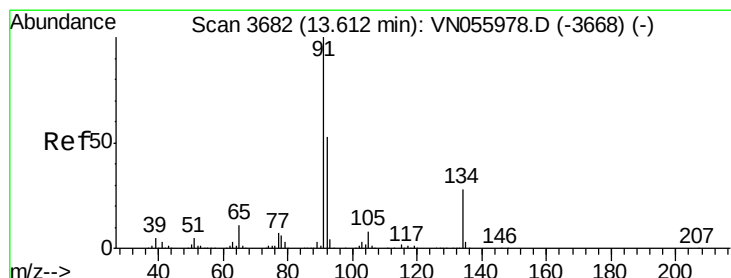
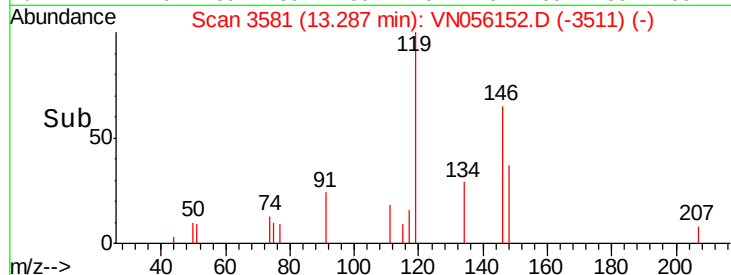
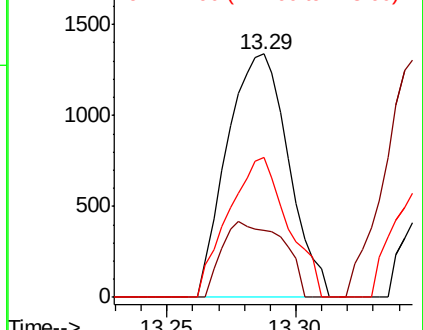
148 55.7 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.460 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

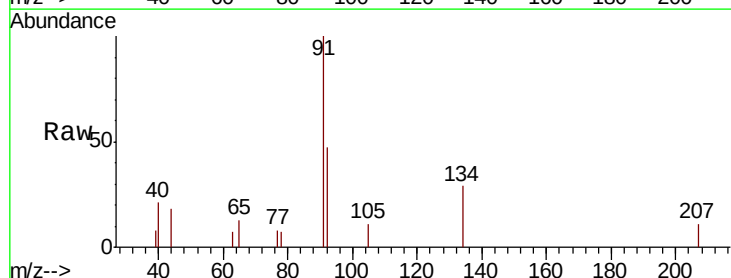
Tgt Ion: 91 Resp: 3751

Ion Ratio Lower Upper

91 100

92 46.9 26.4 79.0

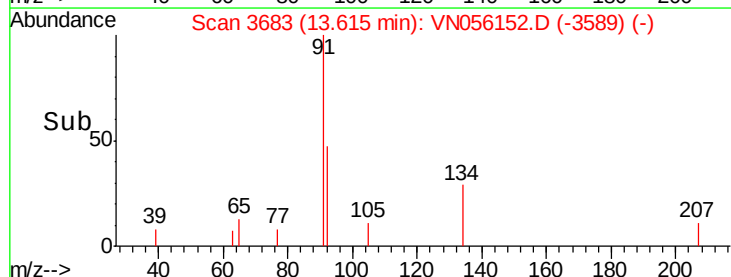
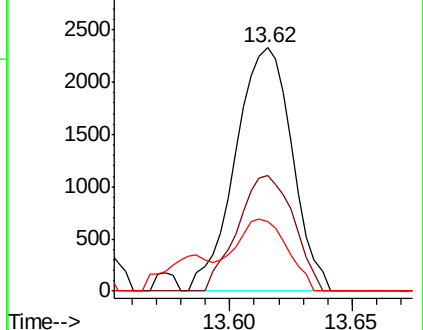
134 28.0 13.9 41.7

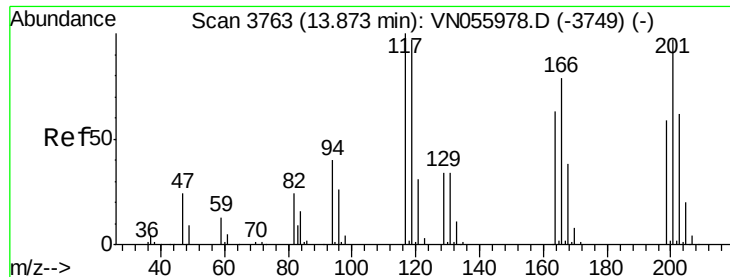


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.258 ug/l

RT: 13.95 min Scan# 3787

Delta R.T. 0.08 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Instrument :

MSVOA_N

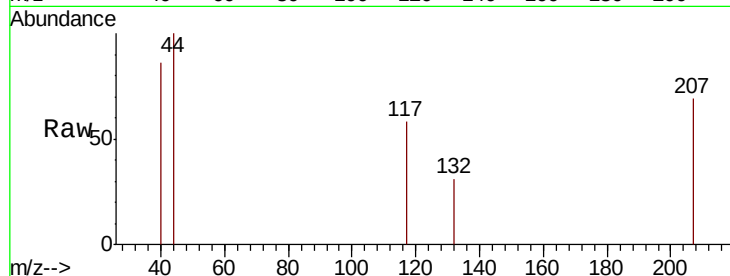
ClientSampleId :

Tot Ion:117 Resp: 428

Ion Ratio Lower Upper

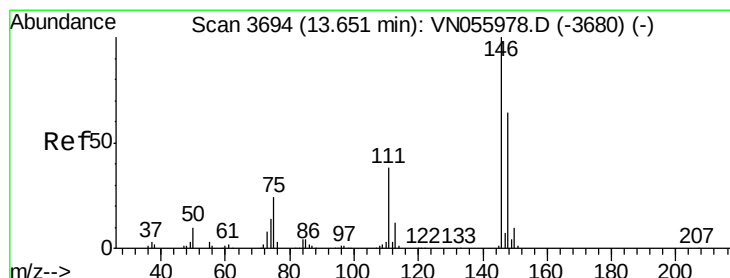
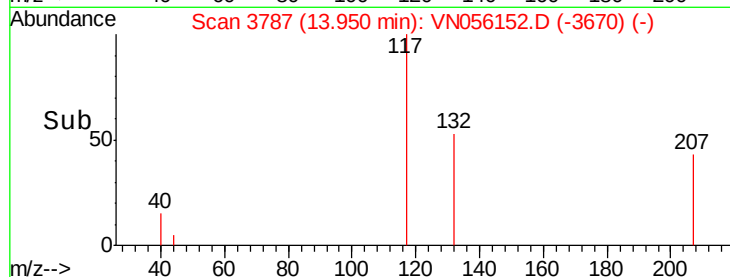
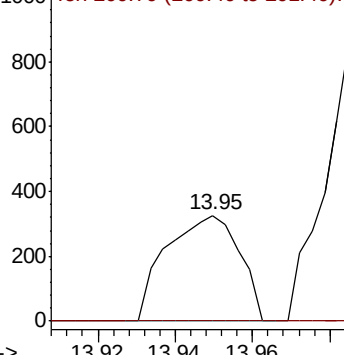
117 100

201 0.0 50.0 150.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.338 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

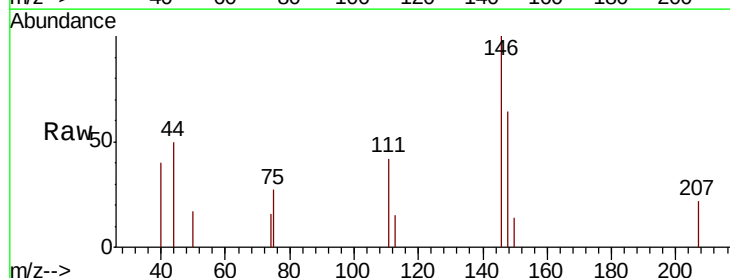
Tgt Ion:146 Resp: 1858

Ion Ratio Lower Upper

146 100

111 34.4 19.1 57.5

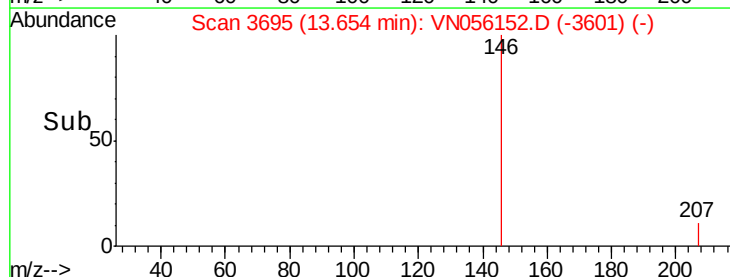
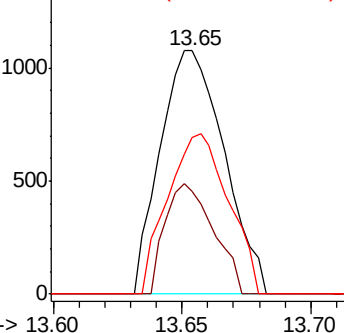
148 62.8 31.9 95.9

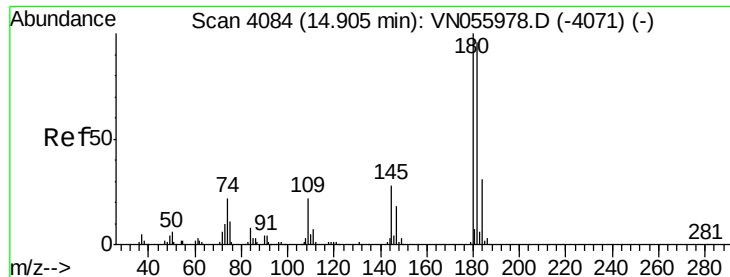


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

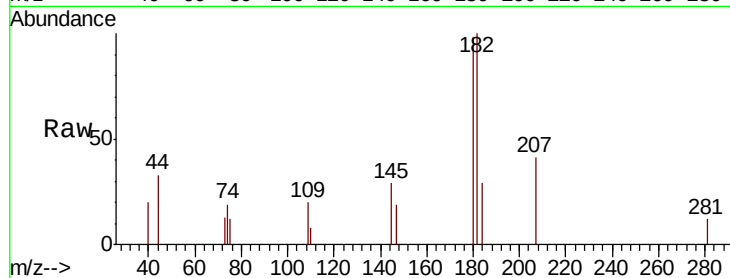




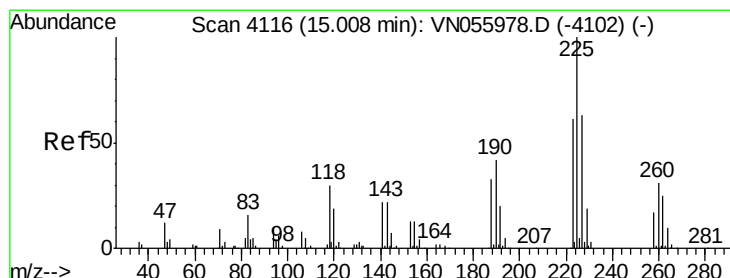
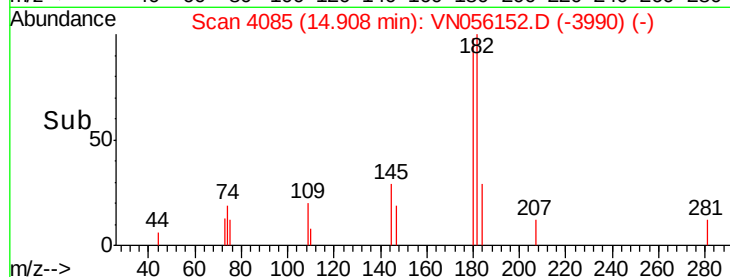
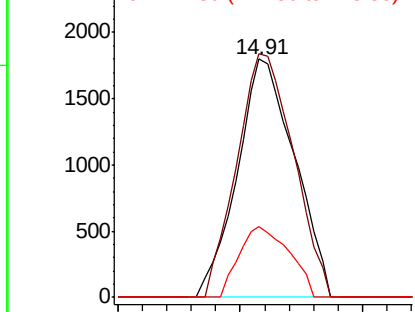
#93
 1,2,4-Trichlorobenzene
 Concen: 5.154 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056152.D
 Acq: 8 Jun 2019 14:33

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 2927
 Ion Ratio Lower Upper
 180 100
 182 101.2 48.3 144.9
 145 26.0 14.0 41.9

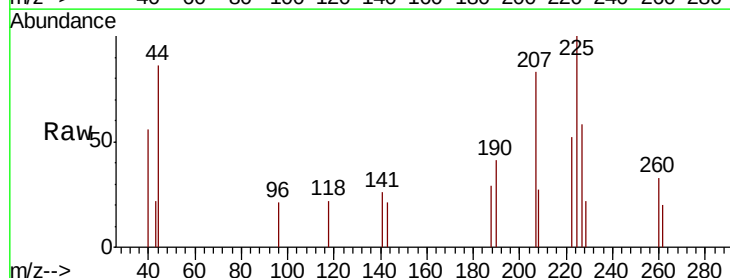


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

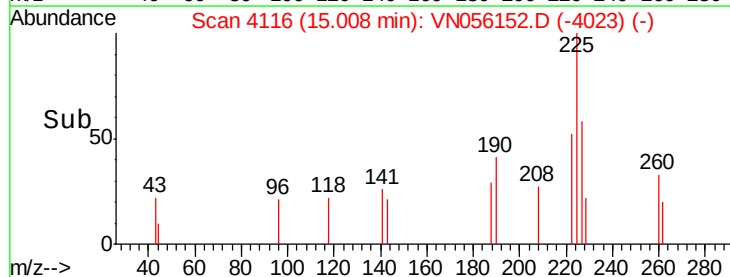
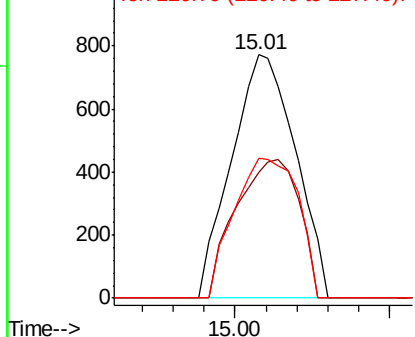


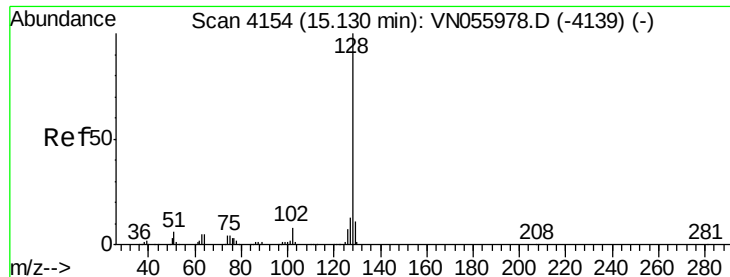
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056152.D
 Acq: 8 Jun 2019 14:33

Tgt Ion:225 Resp: 1109
 Ion Ratio Lower Upper
 225 100
 223 56.8 30.9 92.7
 227 57.8 31.6 94.7



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





#95

Naphthalene

Concen: 5.156 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

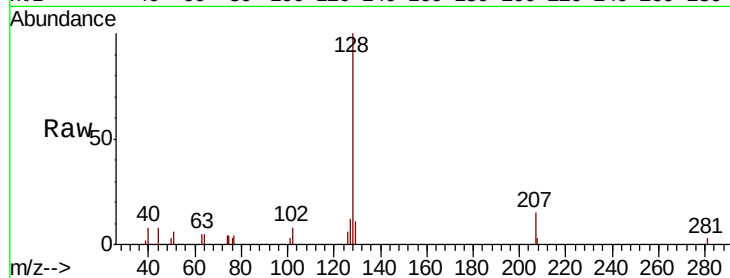
Tot Ion:128 Resp: 11107

Ion Ratio Lower Upper

128 100

127 11.6 10.3 15.5

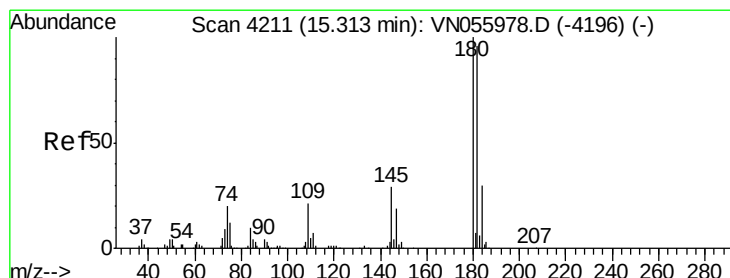
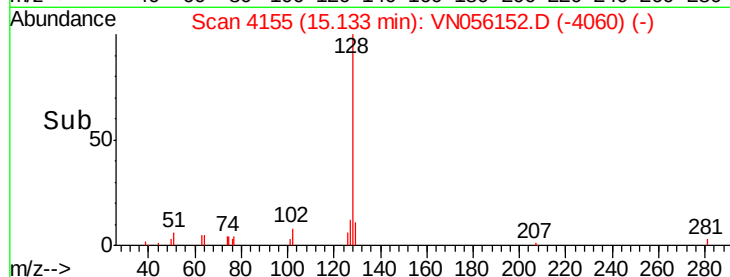
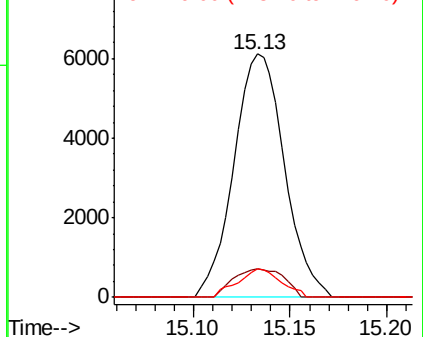
129 10.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.234 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056152.D

Acq: 8 Jun 2019 14:33

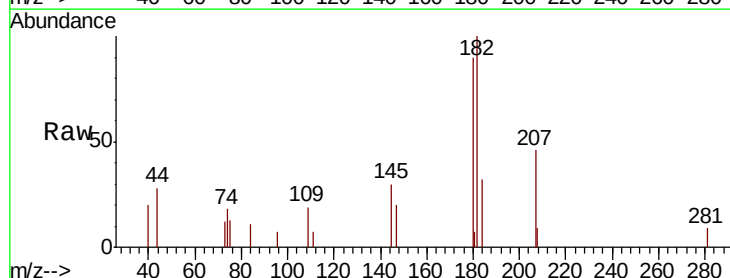
Tgt Ion:180 Resp: 3950

Ion Ratio Lower Upper

180 100

182 104.9 47.9 143.7

145 28.9 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

