

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100620\NOT REVIEWED DATA\
 Data File : VN063898.D
 Acq On : 6 Oct 2020 16:59
 Operator : JC/MD
 Sample : VN1006WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBL02

Quant Time: Oct 06 18:30:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	225789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	402134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	400098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	151850	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	187533	50.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.54%		
35) Dibromofluoromethane	7.55	113	140189	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.48%		
50) Toluene-d8	10.06	98	505026	47.74	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.48%		
62) 4-Bromofluorobenzene	12.38	95	189190	47.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.16%		

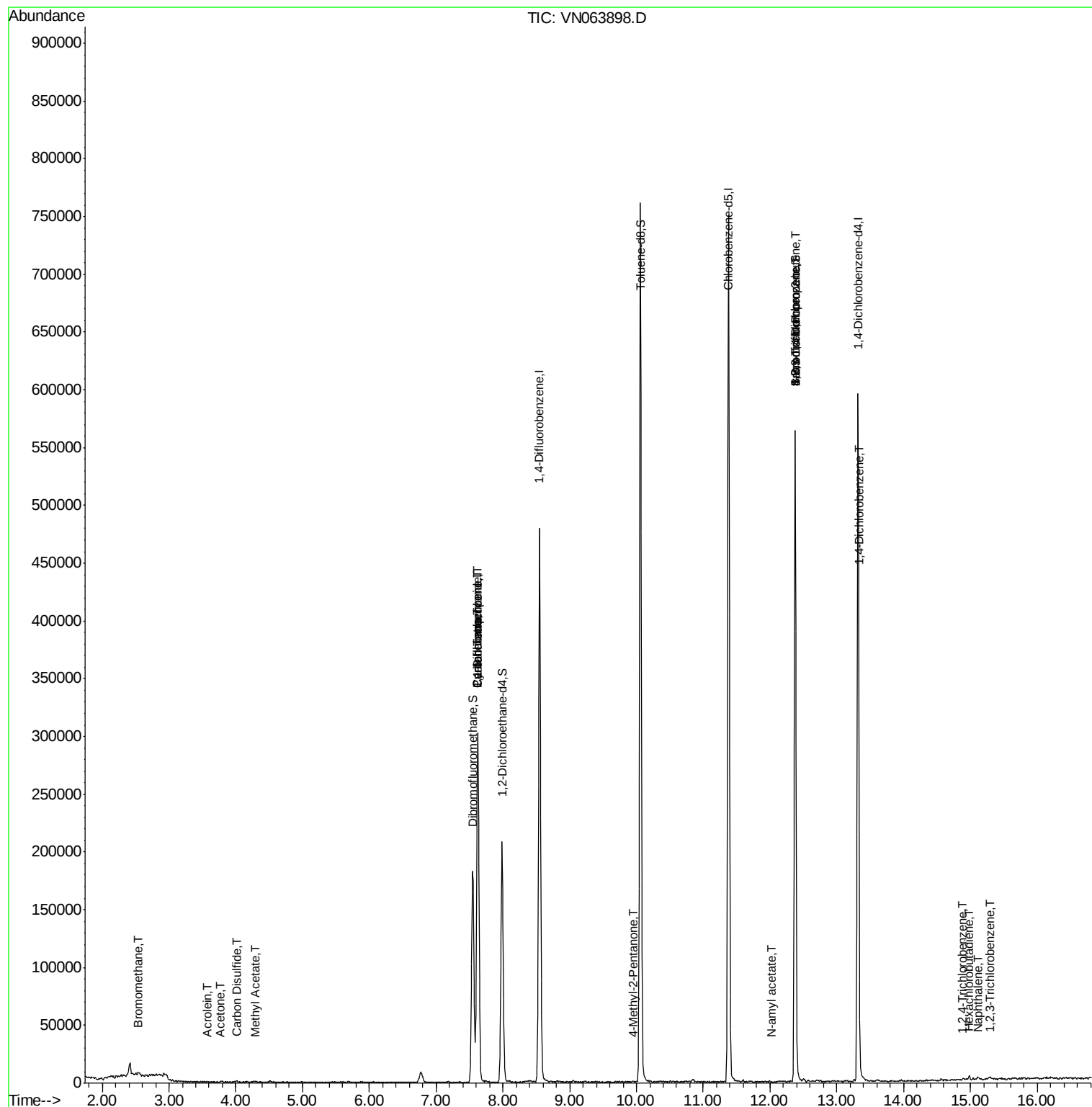
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	592	0.335	ug/l #	79
13) Acrolein	3.57	56	89	0.352	ug/l #	1
16) Acetone	3.77	43	233	0.203	ug/l #	47
17) Carbon Disulfide	4.01	76	1707	0.974	ug/l #	76
18) Methyl Acetate	4.29	43	828	0.278	ug/l #	54
31) Cyclohexane	7.63	56	6354	1.467	ug/l #	25
36) 1,1-Dichloropropene	7.63	75	20565	5.048	ug/l #	51
38) Carbon Tetrachloride	7.62	117	24560	5.376	ug/l #	14
51) 4-Methyl-2-Pentanone	9.96	43	844	0.215	ug/l #	39
71) Bromoform	12.37	173	1227	0.510	ug/l #	1
74) N-amyl acetate	12.04	43	286	2.269	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	106624	31.853	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	106624	91.742	ug/l #	6
88) 1,4-Dichlorobenzene	13.34	146	1153	0.225	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.88	180	809	2.031	ug/l #	81
94) Hexachlorobutadiene	14.97	225	900	0.748	ug/l #	36
95) Naphthalene	15.11	128	3155	2.295	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.29	180	959	1.930	ug/l #	82

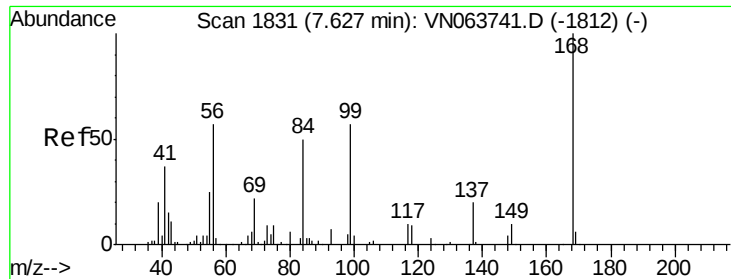
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063898.D

Acq: 6 Oct 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

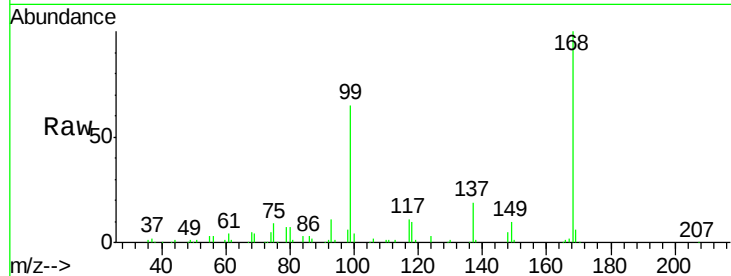
VN1006WBL02

Tgt Ion:168 Resp: 225789

Ion Ratio Lower Upper

168 100

99 65.3 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN063898.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN063898.D (-1738) (-)

7.62

100000

80000

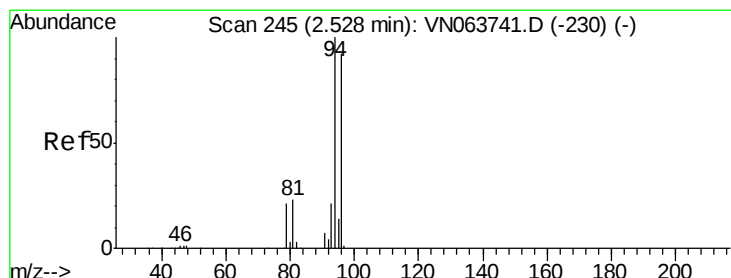
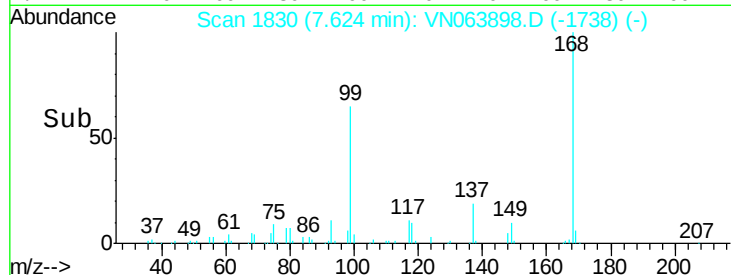
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.335 ug/l

RT: 2.54 min Scan# 250

Delta R.T. 0.02 min

Lab File: VN063898.D

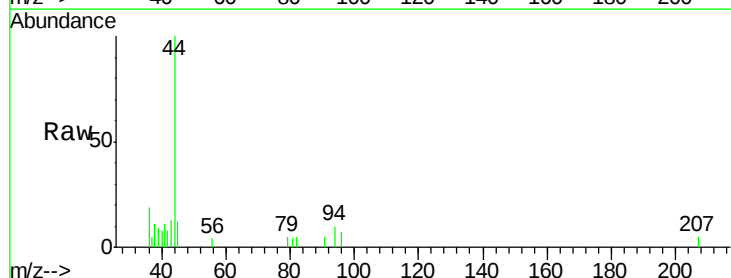
Acq: 6 Oct 2020 16:59

Tgt Ion: 94 Resp: 592

Ion Ratio Lower Upper

94 100

96 71.4 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VN063898.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN063898.D (-152) (-)

2.54

400

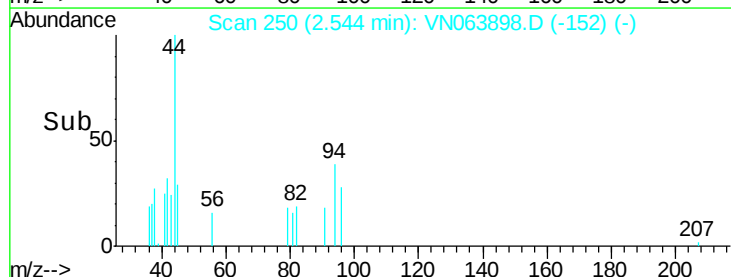
300

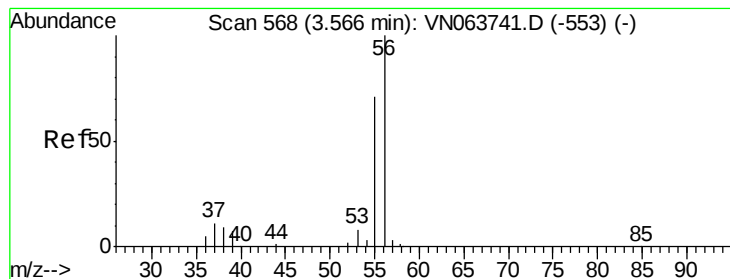
200

100

0

Time--> 2.52 2.54 2.56 2.58





#13

Acrolein

Concen: 0.352 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN063898.D

Acq: 6 Oct 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

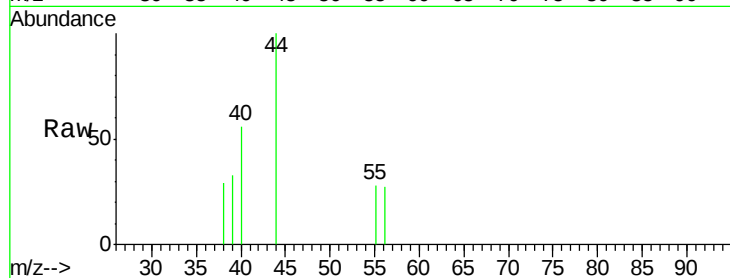
VN1006WBL02

Tgt Ion: 56 Resp: 89

Ion Ratio Lower Upper

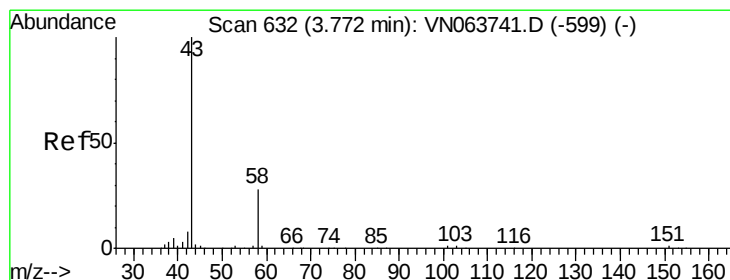
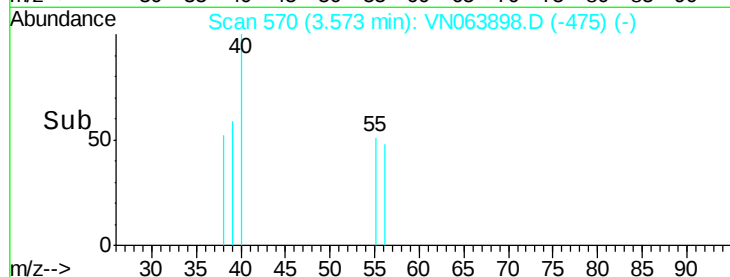
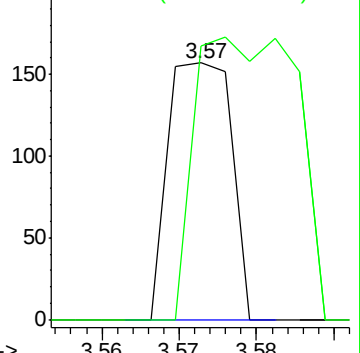
56 100

55 178.7 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 0.203 ug/l

RT: 3.77 min Scan# 630

Delta R.T. -0.01 min

Lab File: VN063898.D

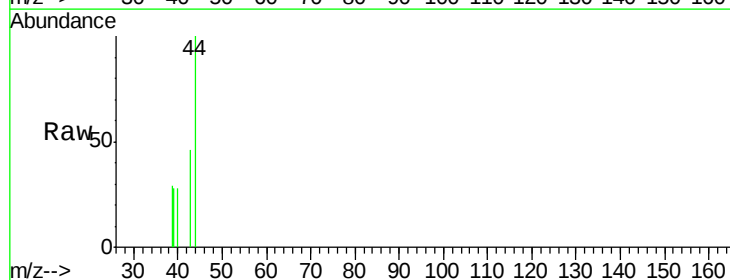
Acq: 6 Oct 2020 16:59

Tgt Ion: 43 Resp: 233

Ion Ratio Lower Upper

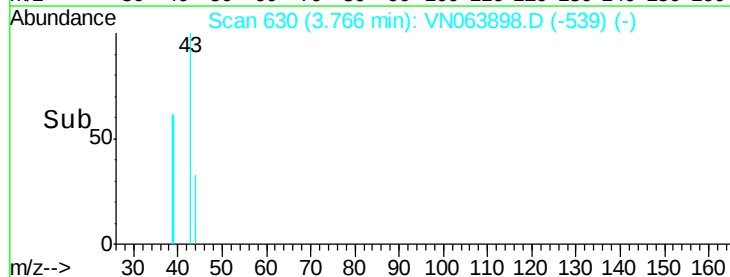
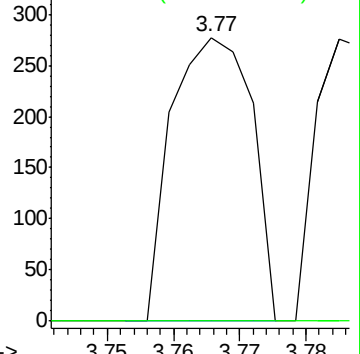
43 100

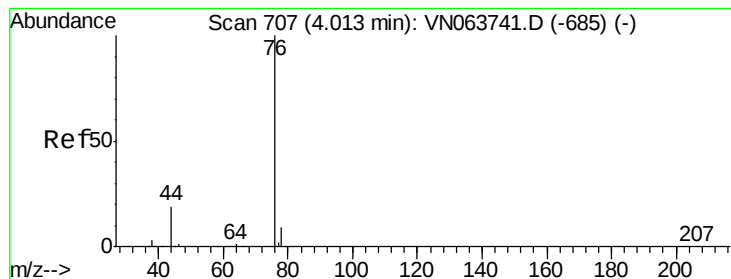
58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.974 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063898.D

Acq: 6 Oct 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

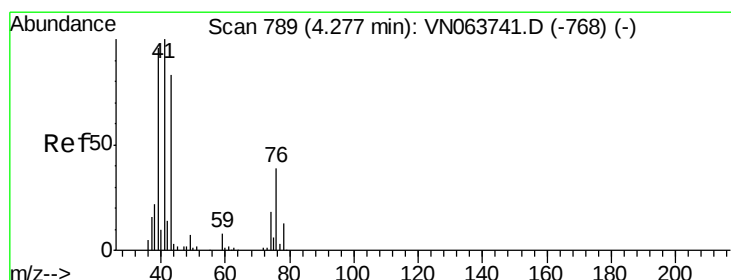
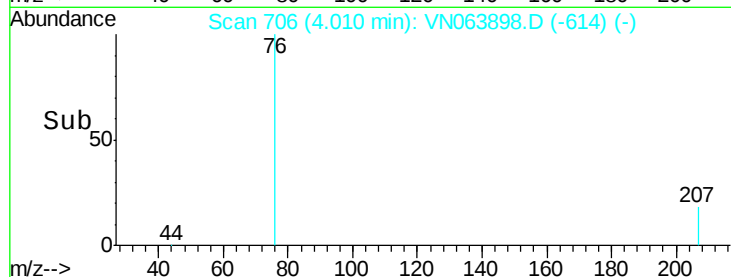
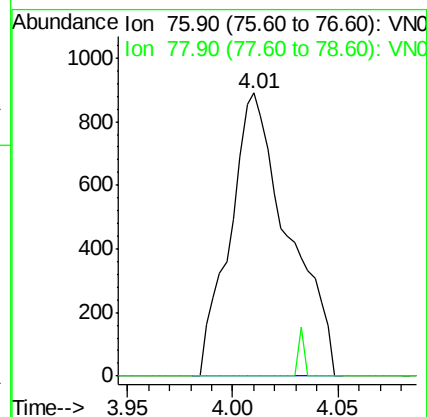
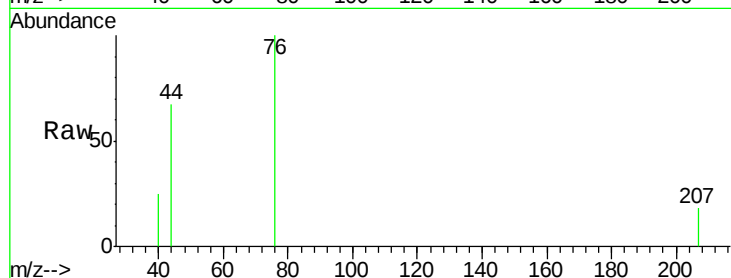
VN1006WBL02

Tgt Ion: 76 Resp: 1707

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#18

Methyl Acetate

Concen: 0.278 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN063898.D

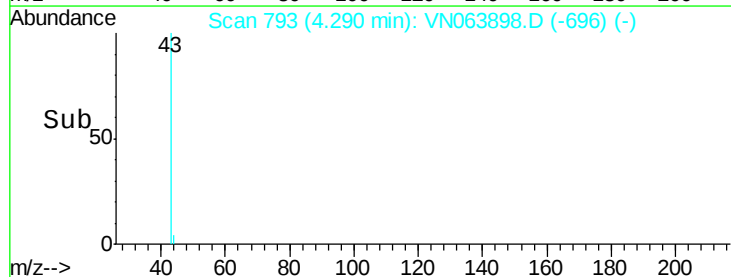
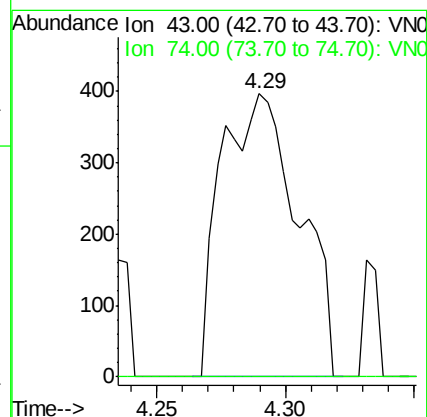
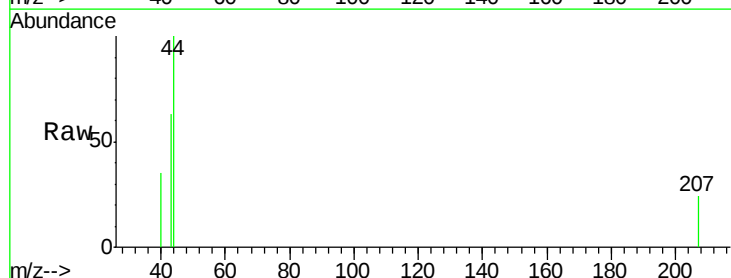
Acq: 6 Oct 2020 16:59

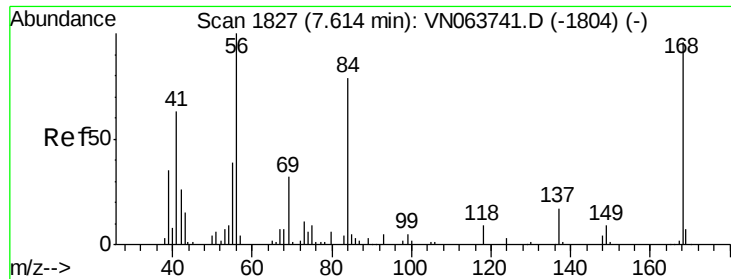
Tgt Ion: 43 Resp: 828

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.2#

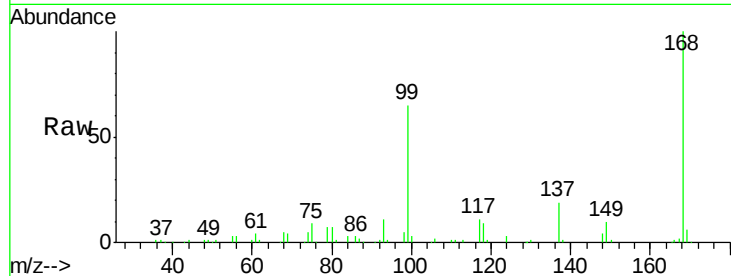




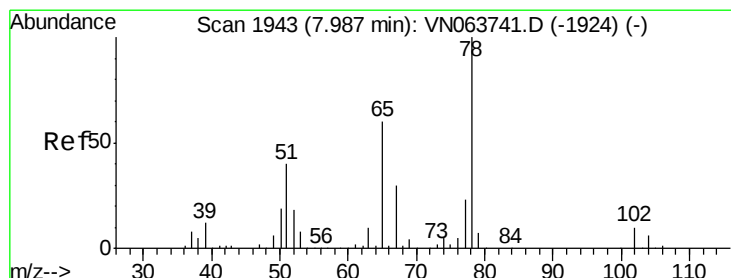
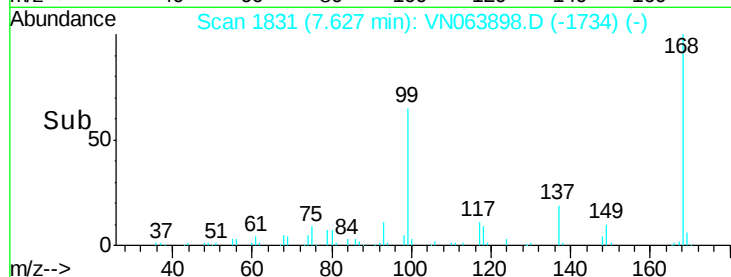
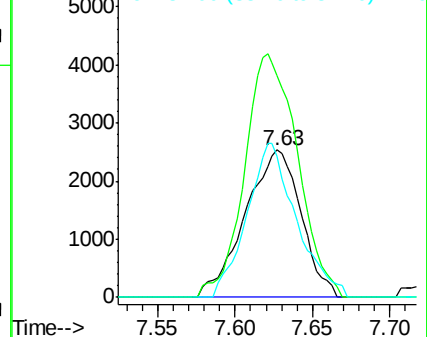
#31
Cyclohexane
Concen: 1.467 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063898.D
Acq: 6 Oct 2020 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBL02

Tgt Ion: 56 Resp: 6354
Ion Ratio Lower Upper
56 100
69 151.1 25.4 38.2#
84 96.2 63.3 94.9#

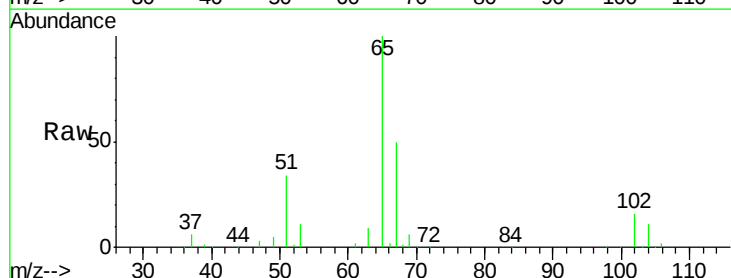


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

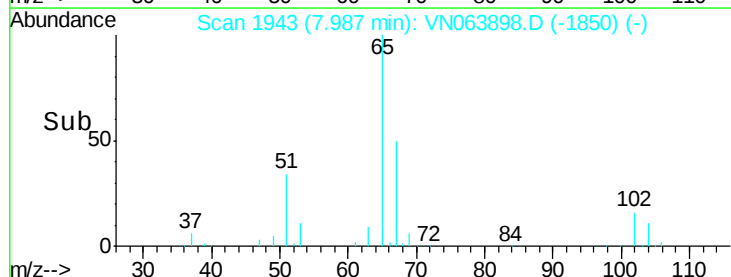
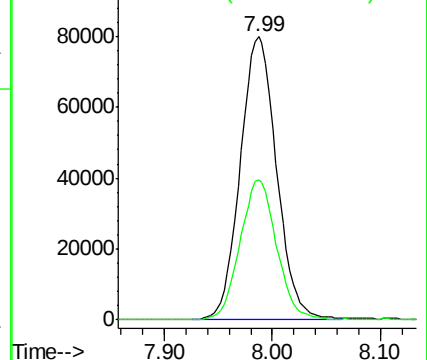


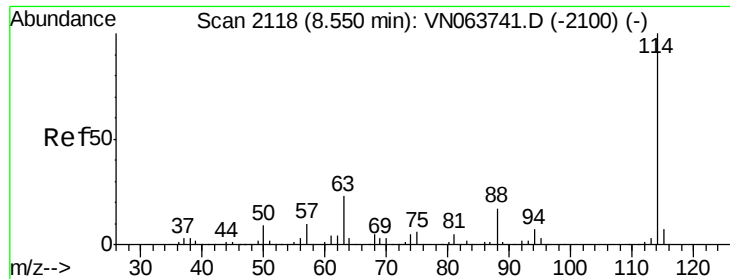
#33
1,2-Dichloroethane-d4
Concen: 50.274 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063898.D
Acq: 6 Oct 2020 16:59

Tgt Ion: 65 Resp: 187533
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.6



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

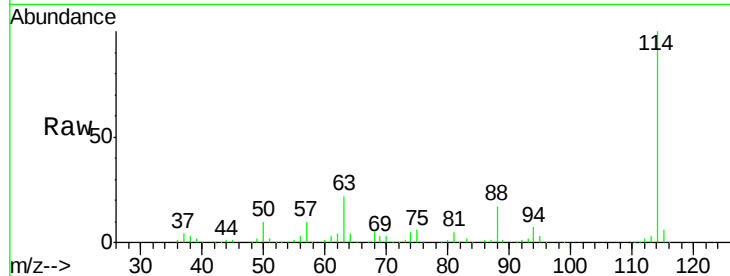




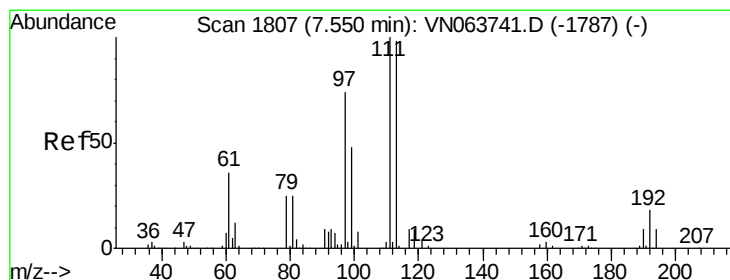
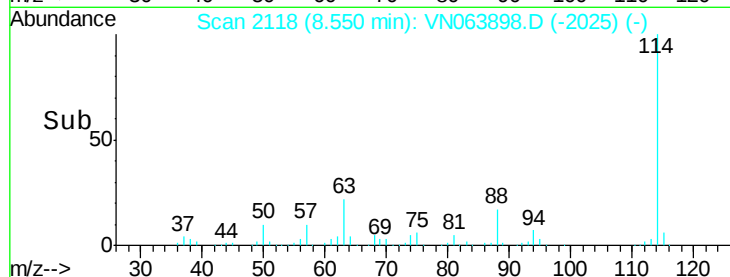
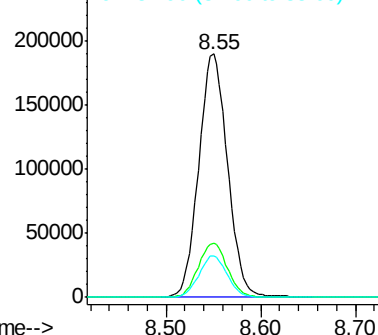
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063898.D
Acq: 6 Oct 2020 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBL02

Tgt Ion:114 Resp: 402134
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.0
88 17.0 0.0 34.0

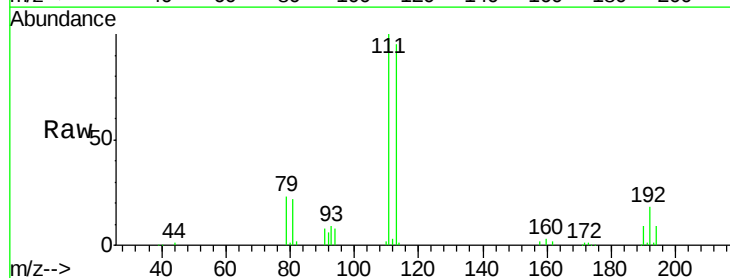


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

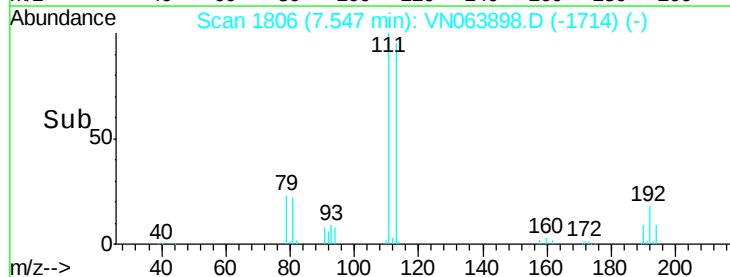
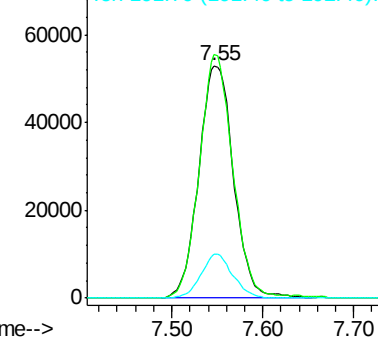


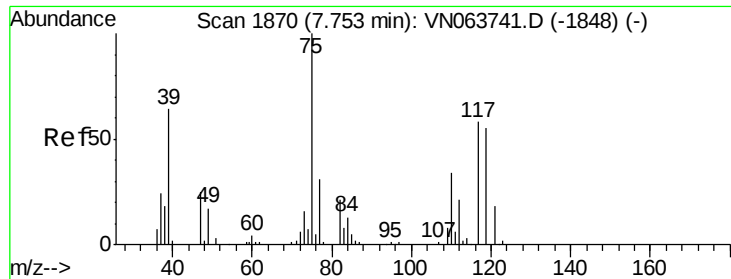
#35
Dibromofluoromethane
Concen: 50.241 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063898.D
Acq: 6 Oct 2020 16:59

Tgt Ion:113 Resp: 140189
Ion Ratio Lower Upper
113 100
111 100.8 81.8 122.8
192 17.4 14.2 21.2



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

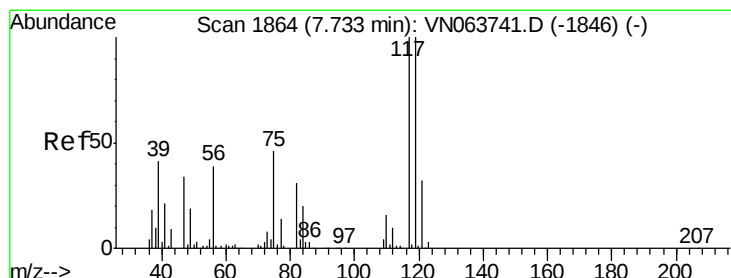
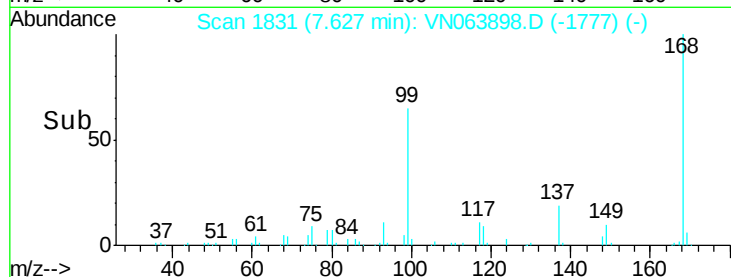
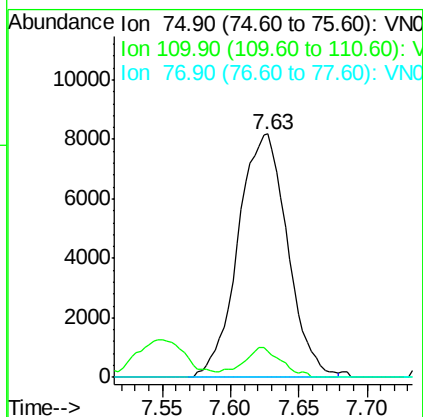
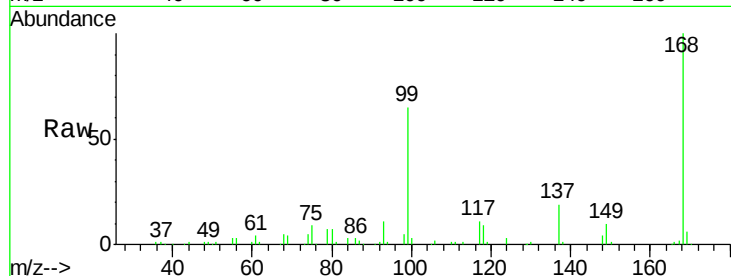




#36
 1,1-Dichloropropene
 Concen: 5.048 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063898.D
 Acq: 6 Oct 2020 16:59

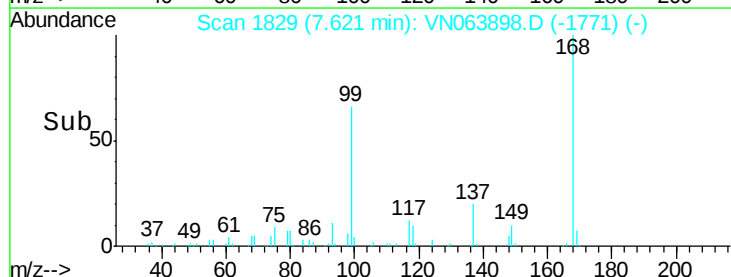
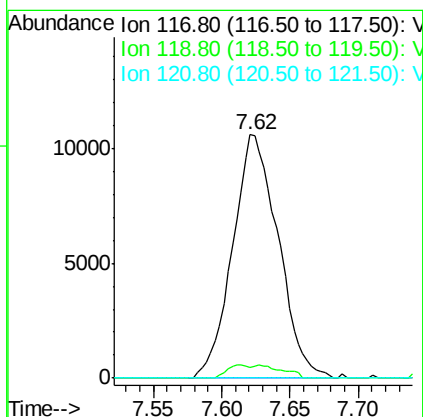
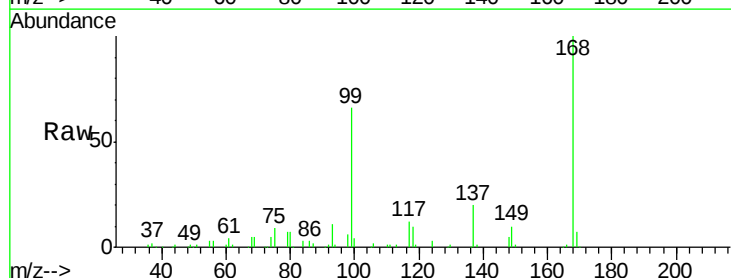
Instrument :
 MSVOA_N
 ClientSampled :
 VN1006WBL02

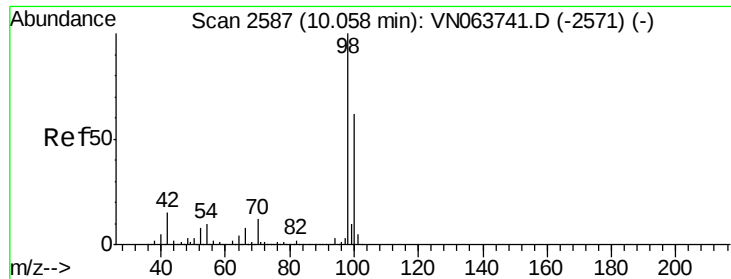
Tgt Ion: 75 Resp: 20565
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.376 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.11 min
 Lab File: VN063898.D
 Acq: 6 Oct 2020 16:59

Tgt Ion: 117 Resp: 24560
 Ion Ratio Lower Upper
 117 100
 119 4.5 80.1 120.1#
 121 0.0 25.7 38.5#





#50

Toluene-d8

Concen: 47.744 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063898.D

Acq: 6 Oct 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

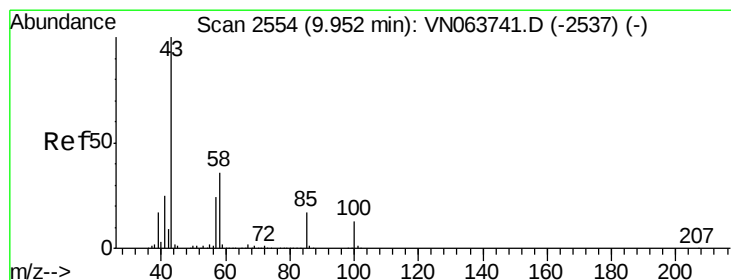
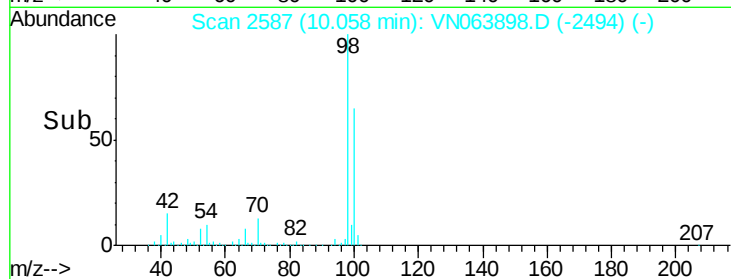
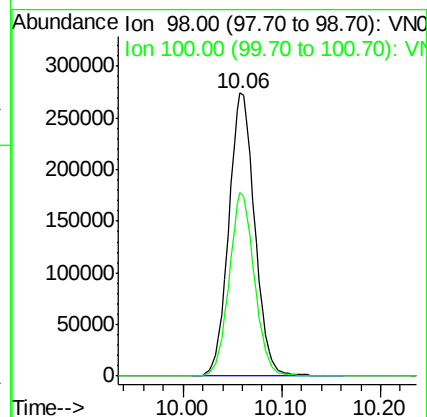
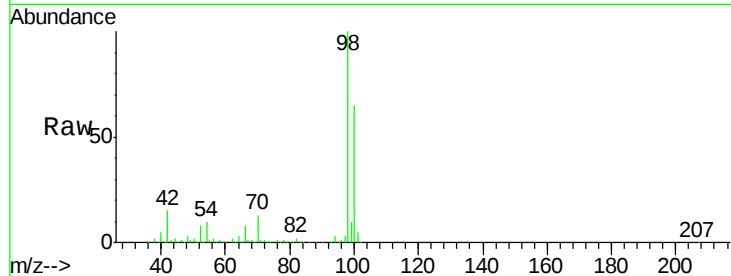
VN1006WBL02

Tgt Ion: 98 Resp: 505026

Ion Ratio Lower Upper

98 100

100 63.1 49.8 74.6



#51

4-Methyl-2-Pentanone

Concen: 0.215 ug/l

RT: 9.96 min Scan# 2558

Delta R.T. 0.01 min

Lab File: VN063898.D

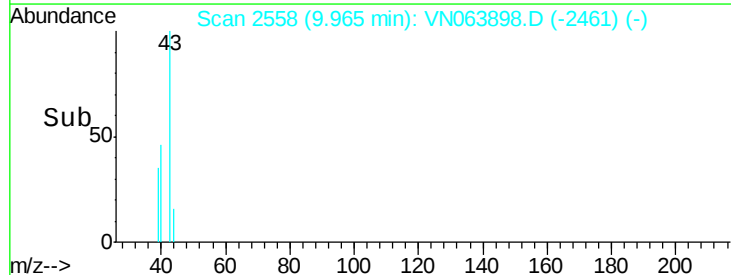
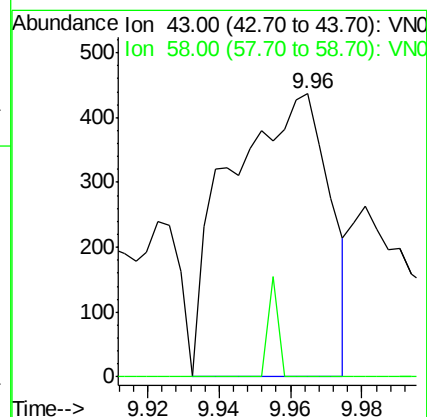
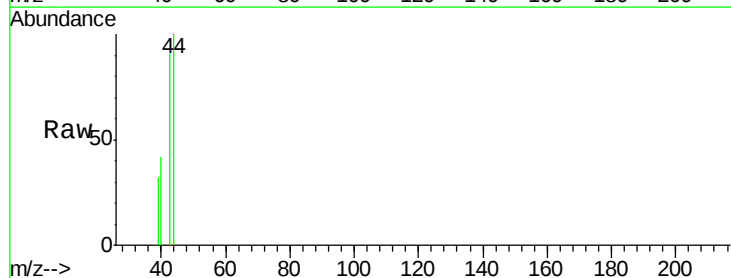
Acq: 6 Oct 2020 16:59

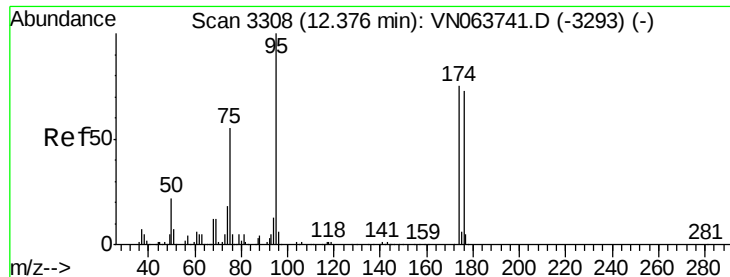
Tgt Ion: 43 Resp: 844

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#





#62

4-Bromofluorobenzene

Concen: 47.580 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063898.D

Acq: 6 Oct 2020 16:59

Instrument :

MSVOA_N

ClientSampled :

VN1006WBL02

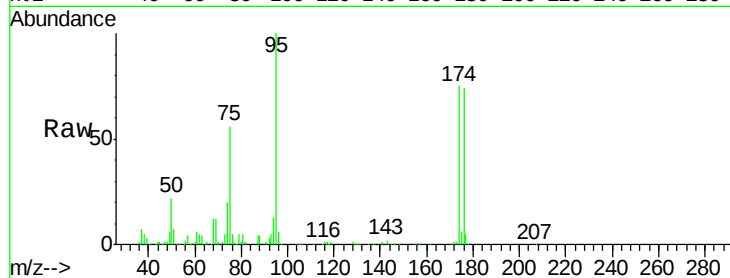
Tgt Ion: 95 Resp: 189190

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.6

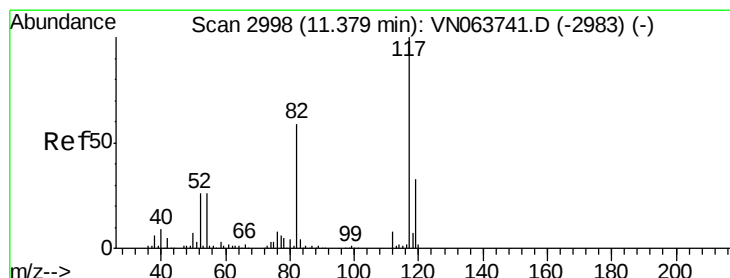
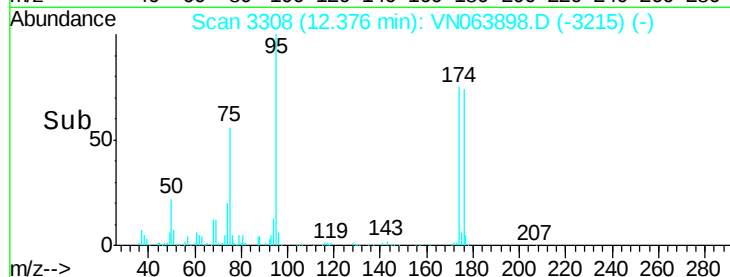
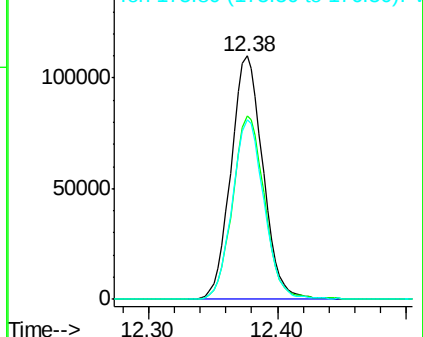
176 73.5 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063898.D (-2905) (-)

Ion 173.80 (173.50 to 174.50): VN063898.D (-2905) (-)

Ion 175.80 (175.50 to 176.50): VN063898.D (-2905) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063898.D

Acq: 6 Oct 2020 16:59

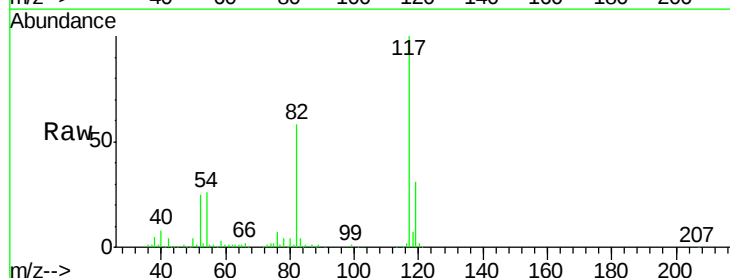
Tgt Ion: 117 Resp: 400098

Ion Ratio Lower Upper

117 100

82 58.5 47.4 71.2

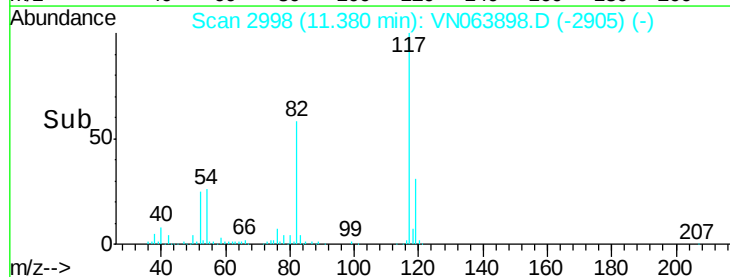
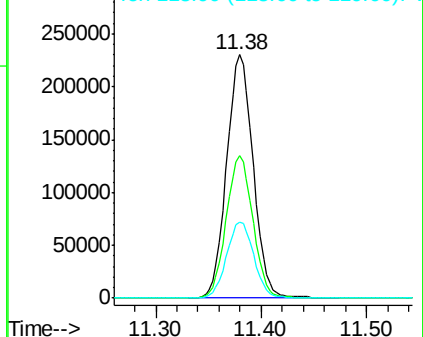
119 31.3 26.4 39.6

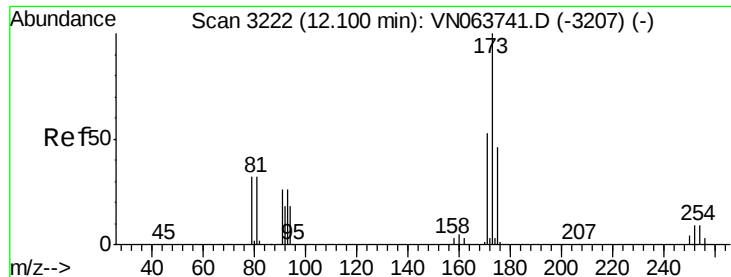


Abundance Ion 116.90 (116.60 to 117.60): VN063898.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063898.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063898.D (-2905) (-)

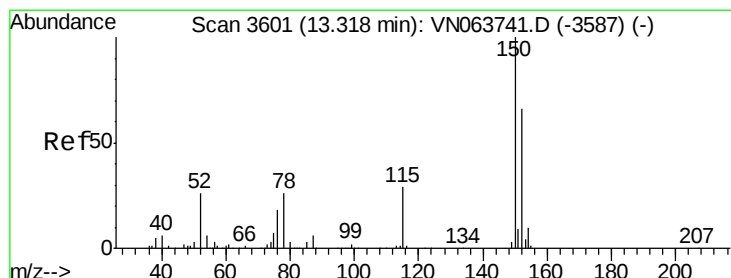
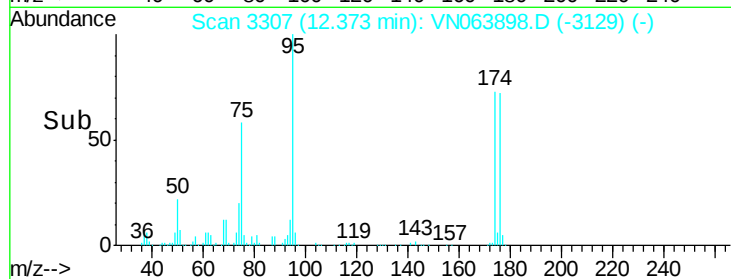
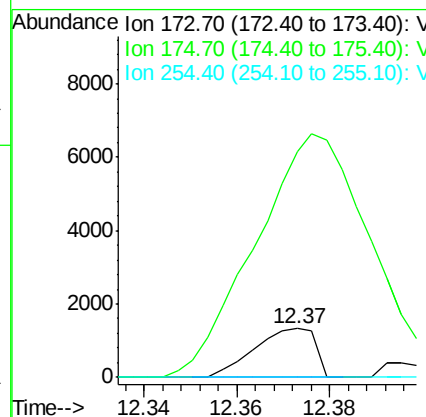
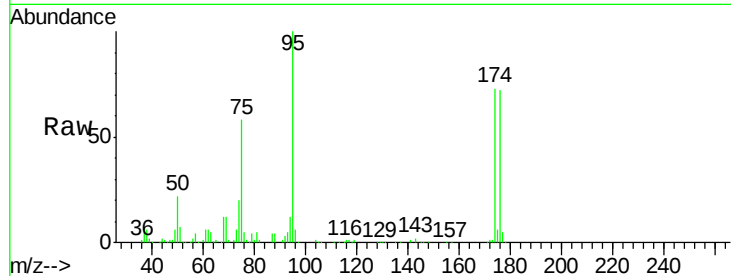




#71
Bromoform
Concen: 0.510 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN063898.D
Acq: 6 Oct 2020 16:59

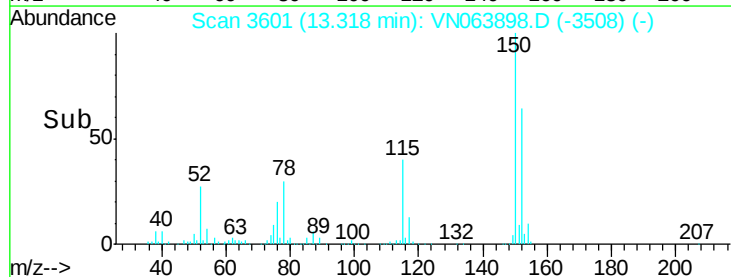
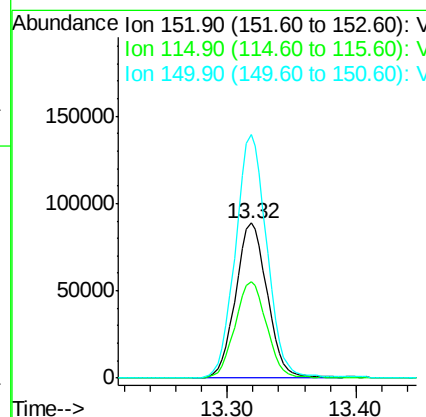
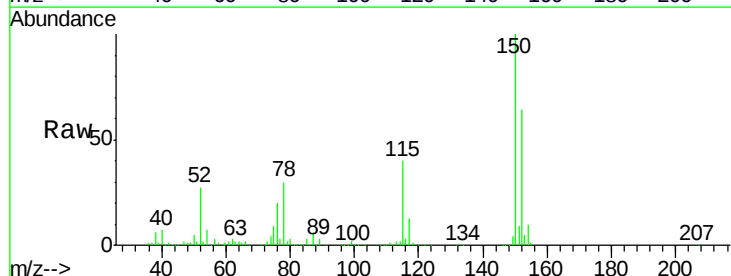
Instrument :
MSVOA_N
ClientSampleId :
VN1006WBL02

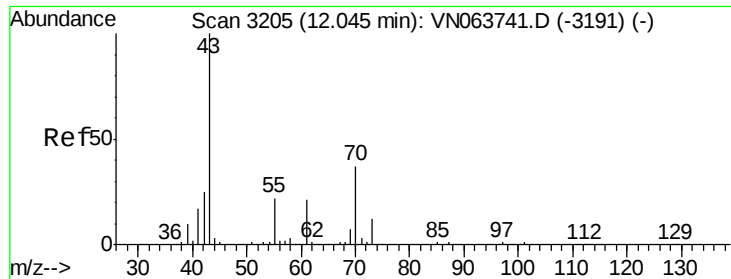
Tgt Ion:173 Resp: 1227
Ion Ratio Lower Upper
173 100
175 772.3 23.5 70.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063898.D
Acq: 6 Oct 2020 16:59

Tgt Ion:152 Resp: 151850
Ion Ratio Lower Upper
152 100
115 61.9 31.3 93.8
150 156.0 0.0 341.8





#74

N-ethyl acetate

Concen: 2.269 ug/l

RT: 12.04 min Scan# 3203

Delta R.T. -0.01 min

Lab File: VN063898.D

Acq: 6 Oct 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBL02

Tgt Ion: 43 Resp: 286

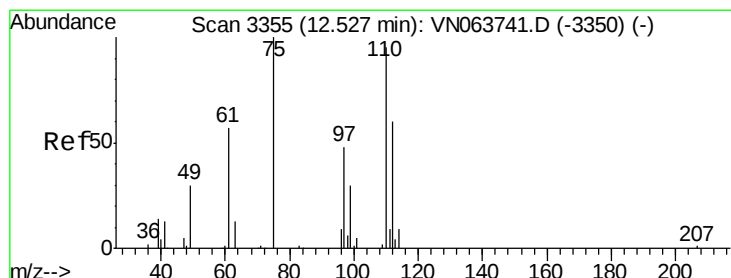
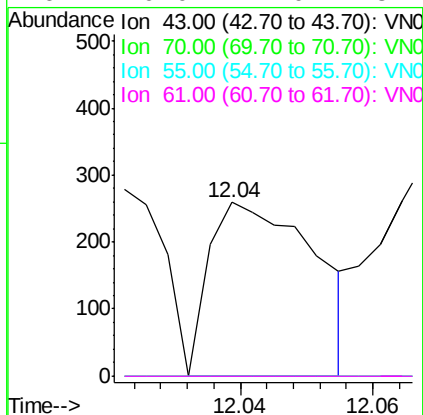
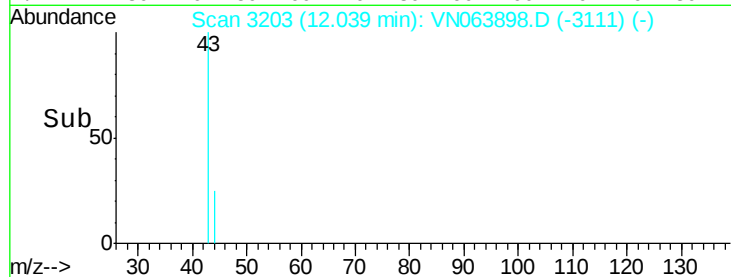
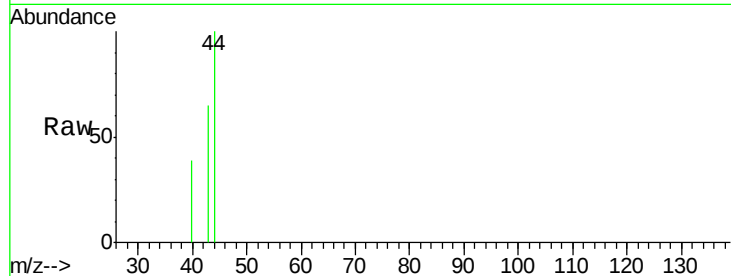
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#



#76

1,2,3-Trichloropropane

Concen: 31.853 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063898.D

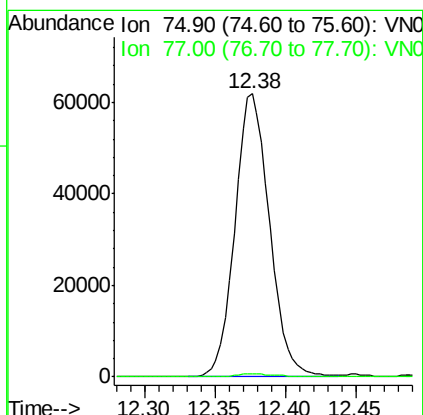
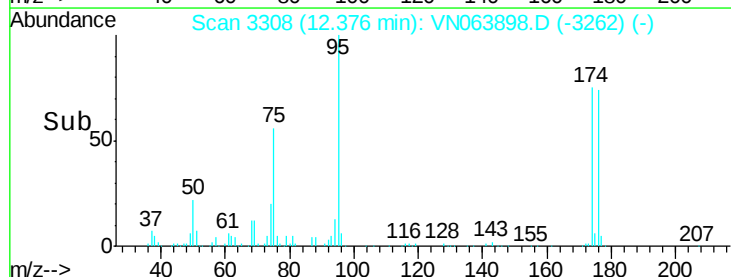
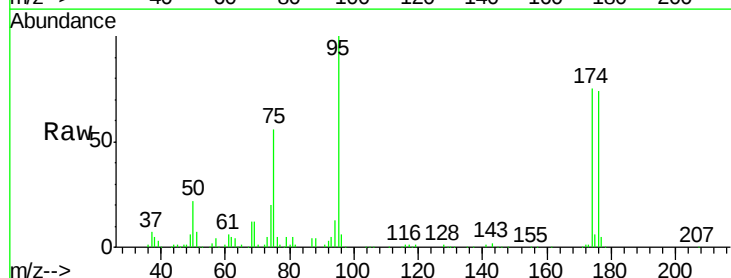
Acq: 6 Oct 2020 16:59

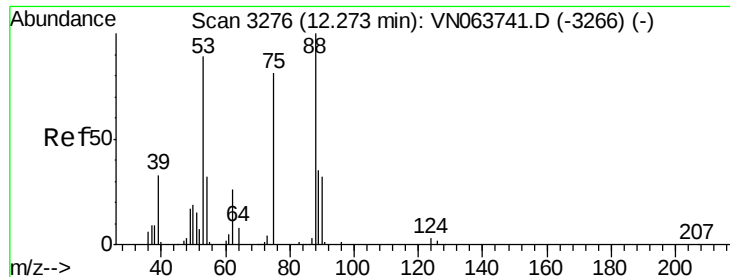
Tgt Ion: 75 Resp: 106624

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

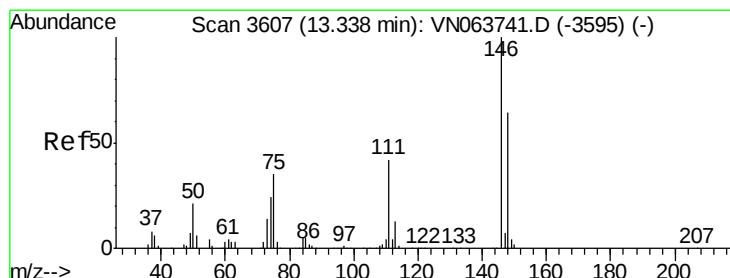
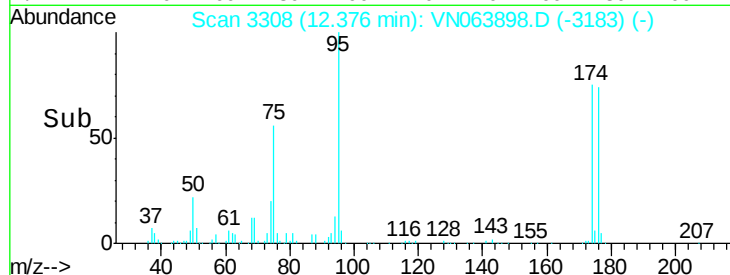
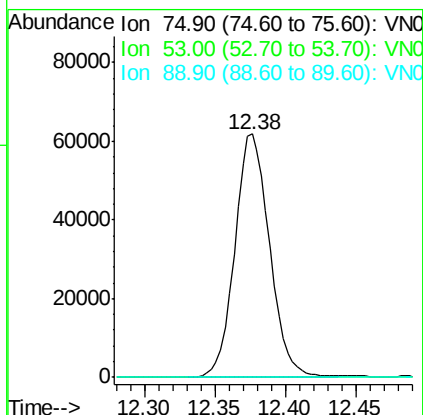
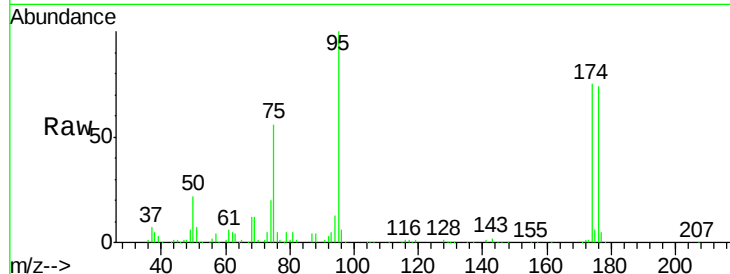




#81
trans-1,4-Dichloro-2-butene
Concen: 91.742 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN063898.D
Acq: 6 Oct 2020 16:59

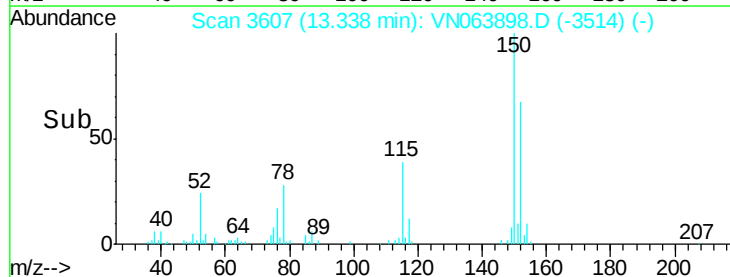
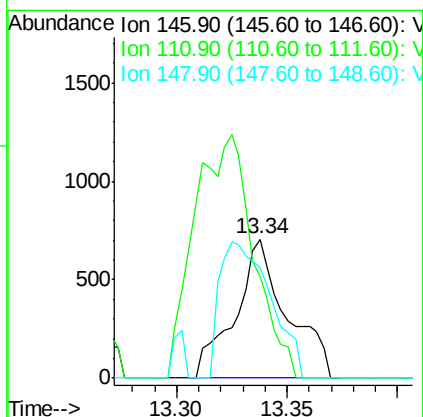
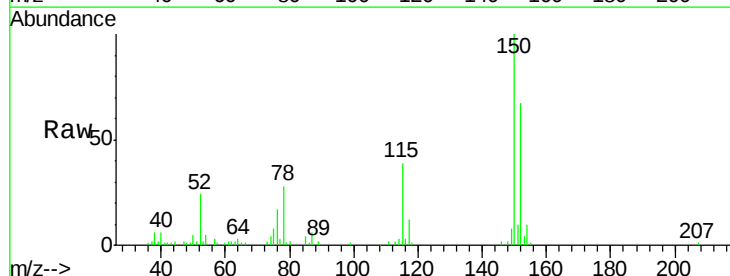
Instrument :
MSVOA_N
ClientSampleId :
VN1006WBL02

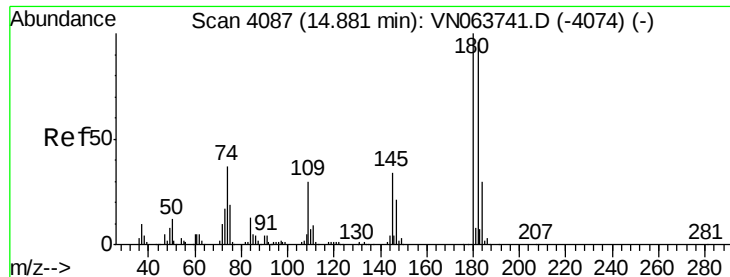
Tgt Ion: 75 Resp: 106624
Ion Ratio Lower Upper
75 100
53 0.1 88.2 132.2#
89 0.0 36.0 54.0#



#88
1,4-Dichlorobenzene
Concen: 0.225 ug/l
RT: 13.34 min Scan# 3607
Delta R.T. 0.00 min
Lab File: VN063898.D
Acq: 6 Oct 2020 16:59

Tgt Ion: 146 Resp: 1153
Ion Ratio Lower Upper
146 100
111 199.7 21.3 63.7#
148 96.6 32.0 96.0#

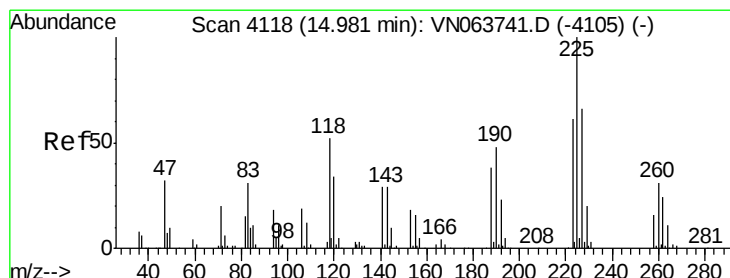
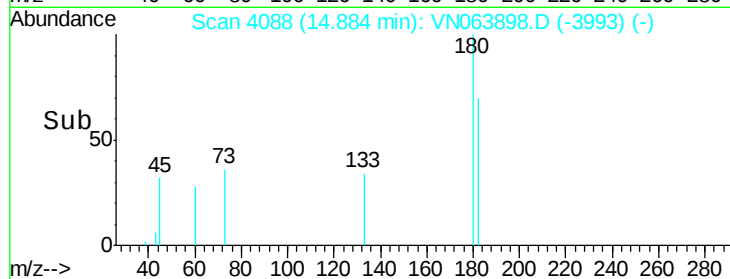
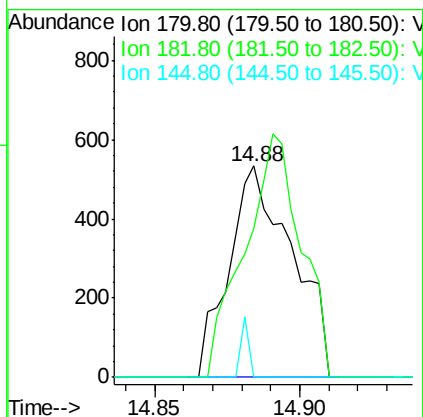
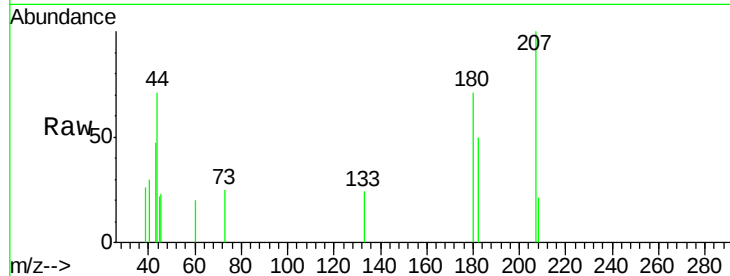




#93
 1,2,4-Trichlorobenzene
 Concen: 2.031 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063898.D
 Acq: 6 Oct 2020 16:59

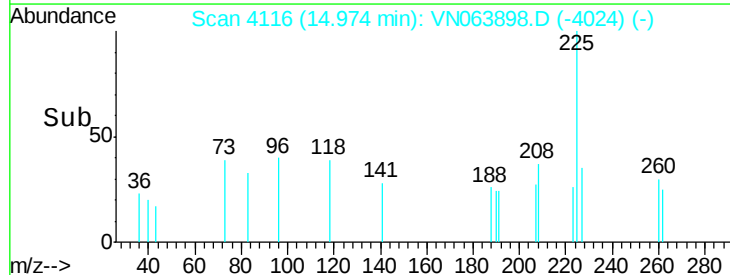
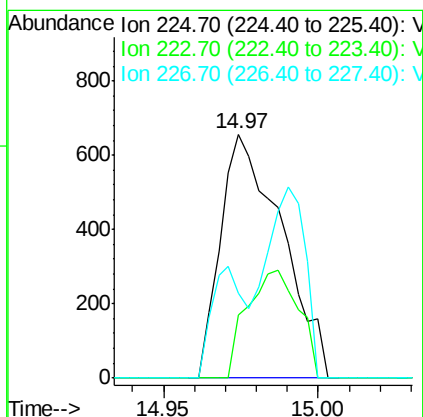
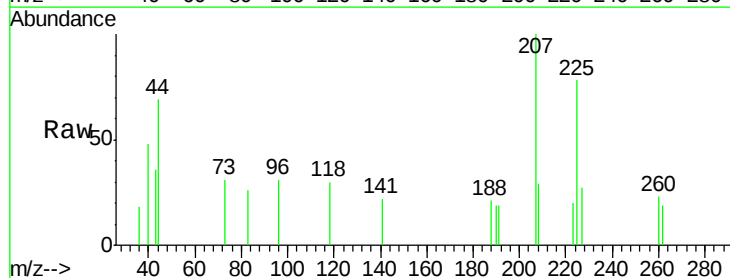
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBL02

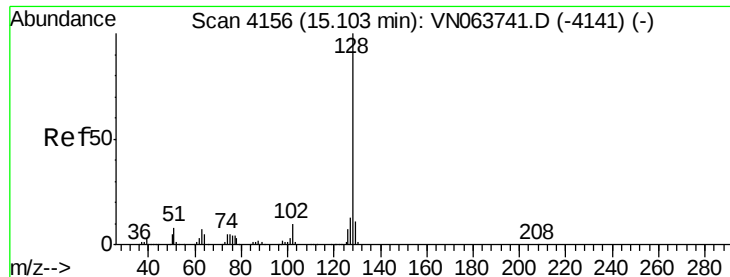
Tgt Ion:180 Resp: 809
 Ion Ratio Lower Upper
 180 100
 182 102.6 48.2 144.6
 145 3.6 17.1 51.2#



#94
 Hexachlorobutadiene
 Concen: 0.748 ug/l
 RT: 14.97 min Scan# 4116
 Delta R.T. -0.01 min
 Lab File: VN063898.D
 Acq: 6 Oct 2020 16:59

Tgt Ion:225 Resp: 900
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.3 91.0#
 227 24.8 31.9 95.5#





#95

Naphthalene

Concen: 2.295 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN063898.D

Acq: 6 Oct 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBL02

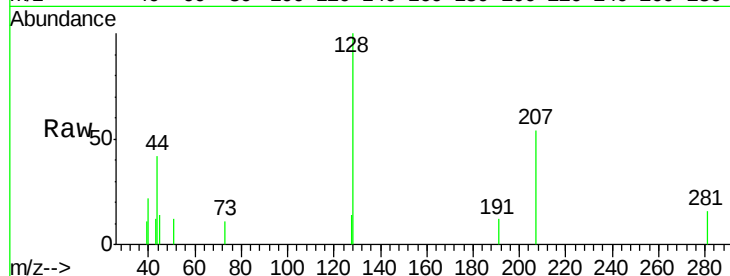
Tgt Ion:128 Resp: 3155

Ion Ratio Lower Upper

128 100

127 3.9 10.5 15.7#

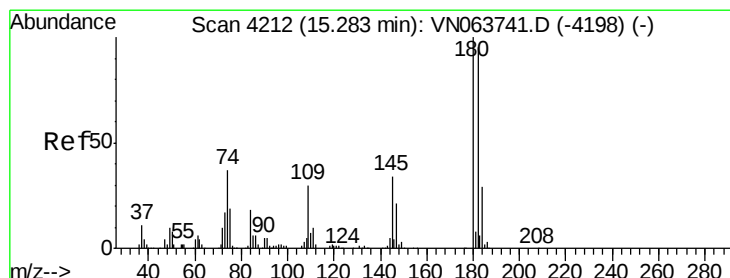
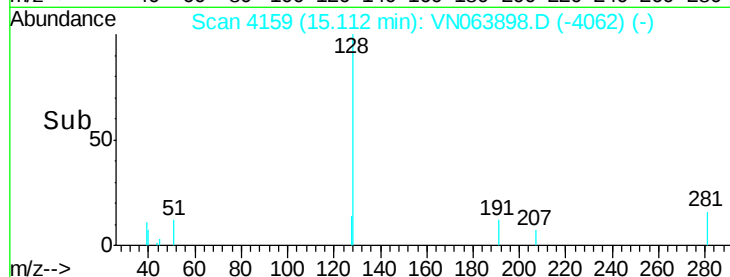
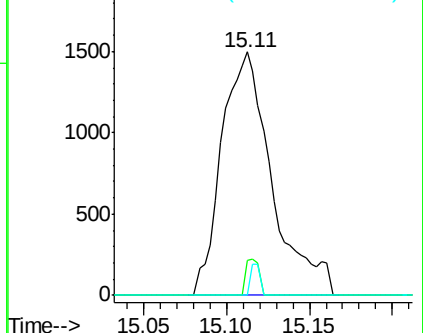
129 2.3 8.7 13.1#



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: 1.930 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063898.D

Acq: 6 Oct 2020 16:59

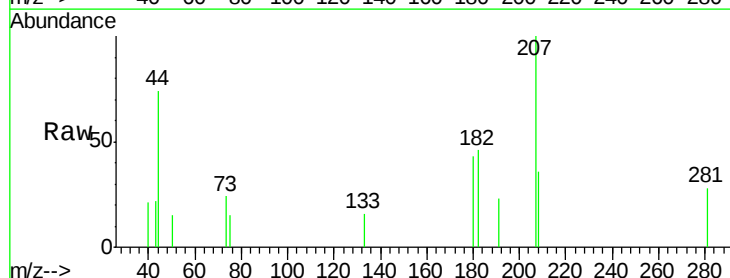
Tgt Ion:180 Resp: 959

Ion Ratio Lower Upper

180 100

182 98.2 47.9 143.6

145 0.0 17.2 51.5#



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

