

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\
 Data File : VN061340.D
 Acq On : 7 May 2020 17:39
 Operator : JC/MD
 Sample : L2548-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 08 02:55:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	87545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	160369	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	155335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	67814	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	75461	54.48	ug/l	0.00
Spiked Amount			Recovery	=	108.96%	
35) Dibromofluoromethane	7.55	113	49599	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
50) Toluene-d8	10.06	98	200743	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.38	95	73490	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	

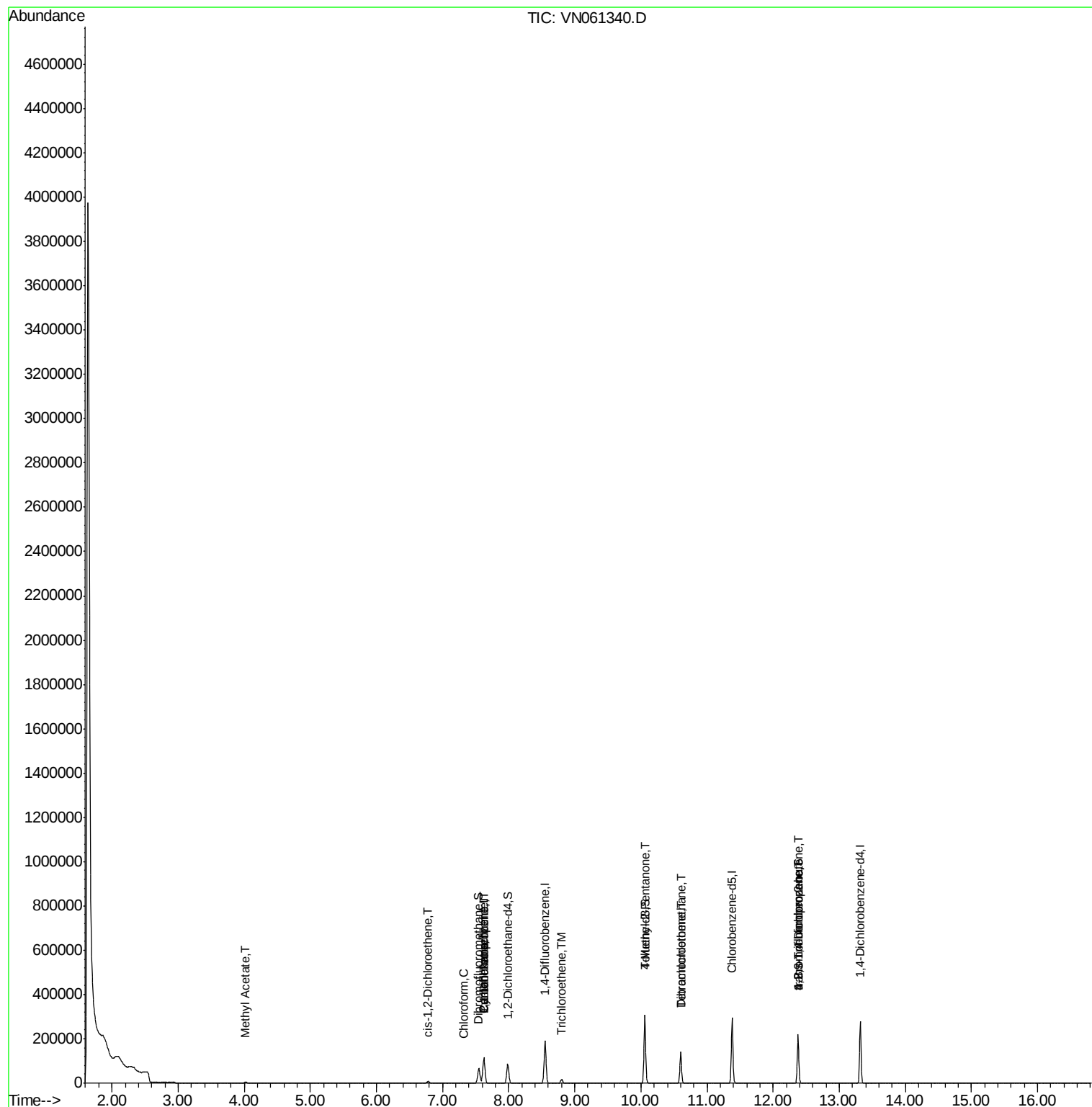
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.77	43	1456	Below Cal	#	47
18) Methyl Acetate	4.01	43	670	1.057	ug/l #	55
27) cis-1,2-Dichloroethene	6.78	96	4325	3.664	ug/l	93
30) Chloroform	7.32	83	484	0.230	ug/l	92
31) Cyclohexane	7.62	56	2418	1.200	ug/l #	17
36) 1,1-Dichloropropene	7.62	75	8245	5.136	ug/l #	50
38) Carbon Tetrachloride	7.63	117	9437	8.435	ug/l #	16
44) Trichloroethene	8.80	130	5983	4.627	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	1130	0.615	ug/l #	1
60) Dibromochloromethane	10.60	129	29148	24.220	ug/l #	10
64) Tetrachloroethene	10.60	164	30289	22.514	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	41048	28.711	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	41048	72.911	ug/l #	8

(#) = 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: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061340.D

Acq: 7 May 2020 17:39

Instrument :

MSVOA_N

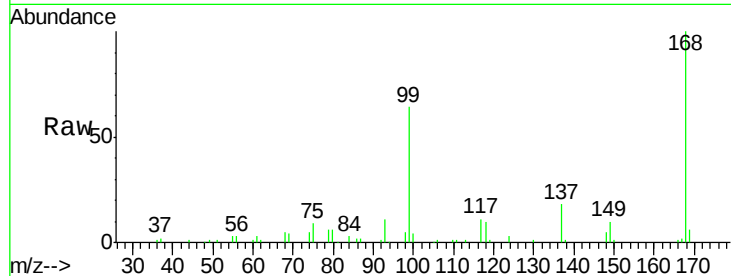
ClientSampled :

Tot Ion:168 Resp: 87545

Ion Ratio Lower Upper

168 100

99 63.9 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

40000

30000

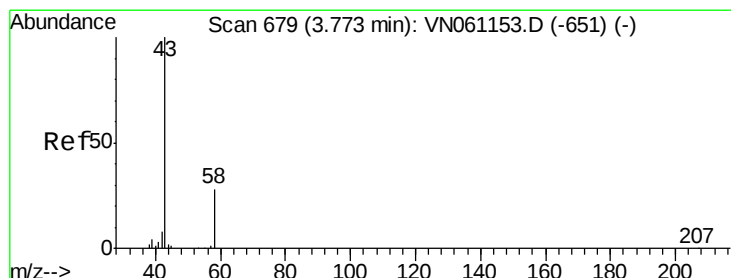
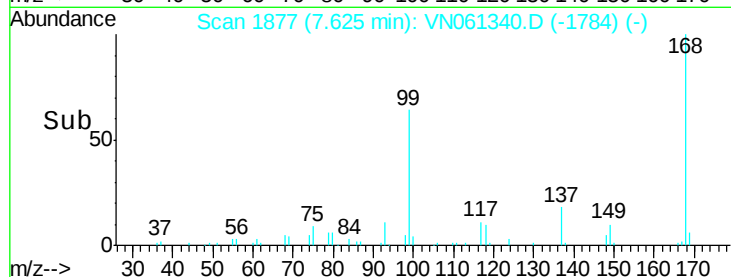
20000

10000

0

Time-->

7.55 7.60 7.65 7.70



#16

Acetone

Concen: Below Cal

RT: 3.77 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN061340.D

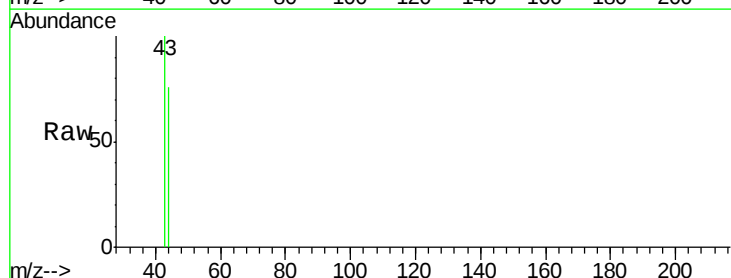
Acq: 7 May 2020 17:39

Tgt Ion: 43 Resp: 1456

Ion Ratio Lower Upper

43 100

58 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.77

600

500

400

300

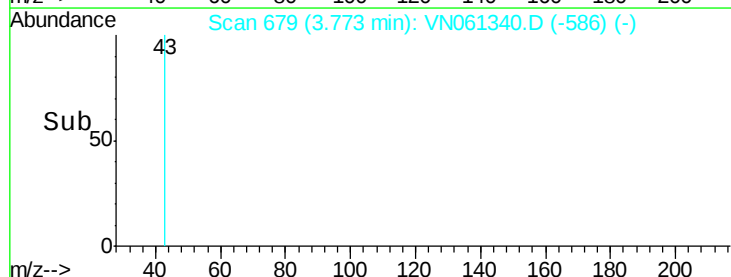
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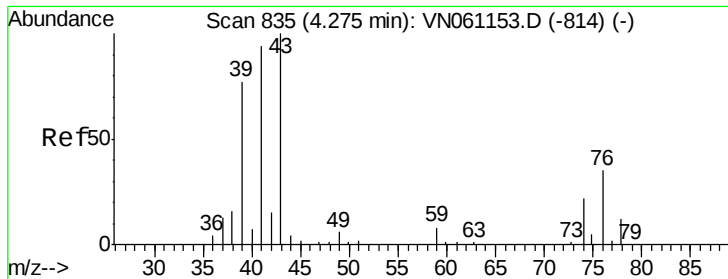
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0

Time-->

3.75 3.80

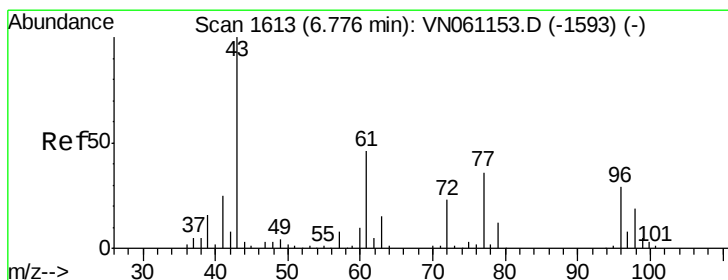
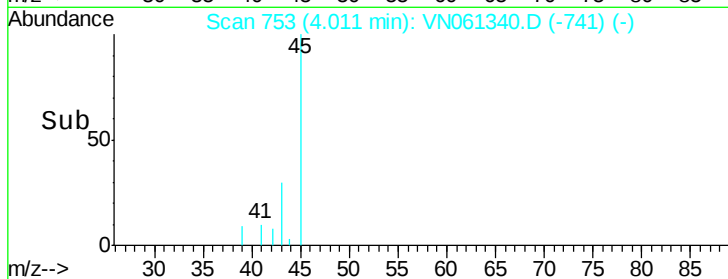
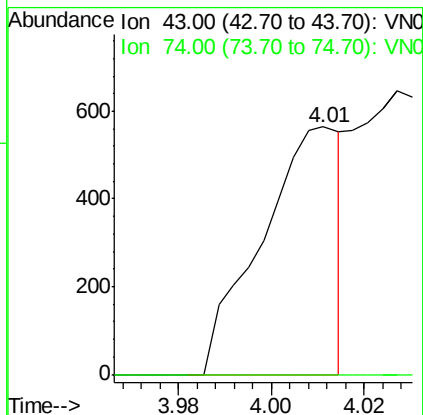
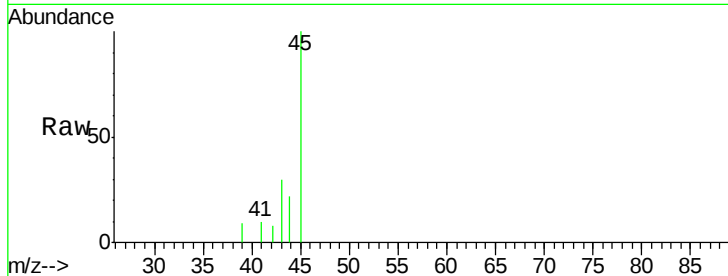




#18
Methvl Acetate
Concen: 1.057 ug/l
RT: 4.01 min Scan# 753
Delta R.T. -0.26 min
Lab File: VN061340.D
Acq: 7 May 2020 17:39

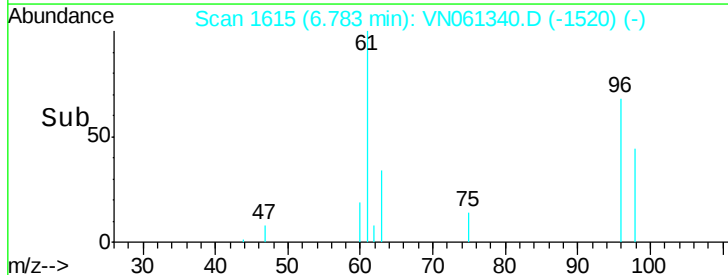
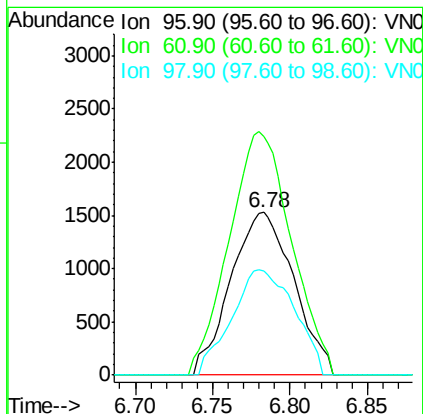
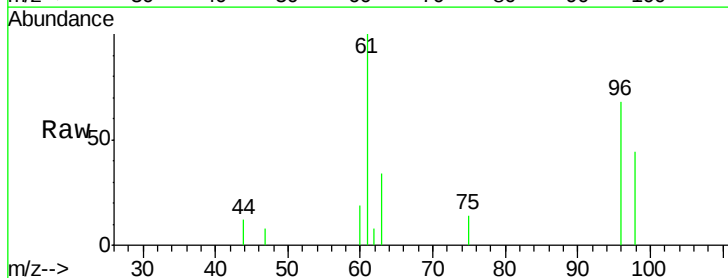
Instrument :
MSVOA_N
ClientSampled :

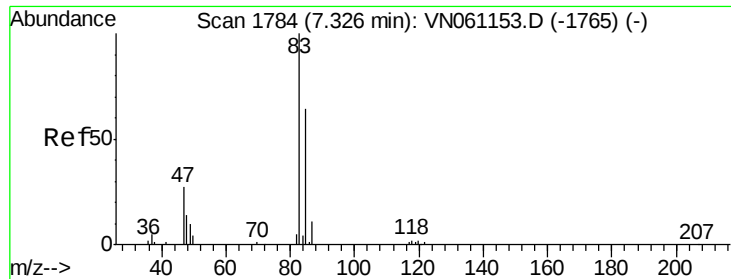
Tot Ion: 43 Resp: 670
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#27
cis-1,2-Dichloroethene
Concen: 3.664 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.01 min
Lab File: VN061340.D
Acq: 7 May 2020 17:39

Tgt Ion: 96 Resp: 4325
Ion Ratio Lower Upper
96 100
61 147.8 0.0 322.0
98 64.5 0.0 129.6

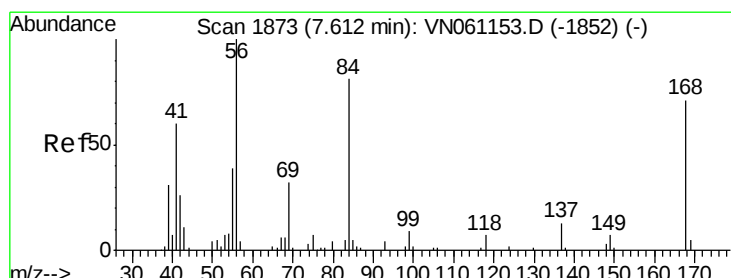
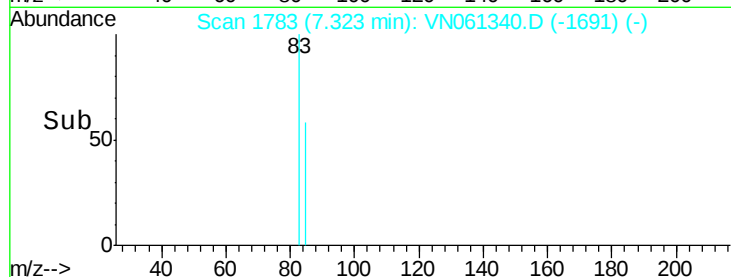
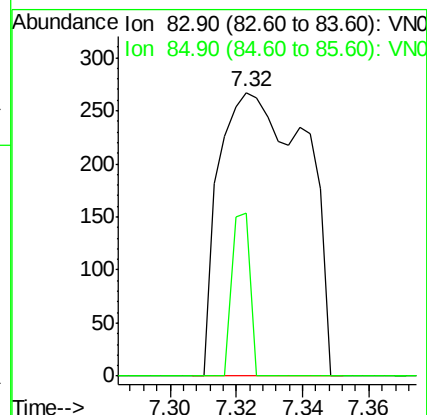
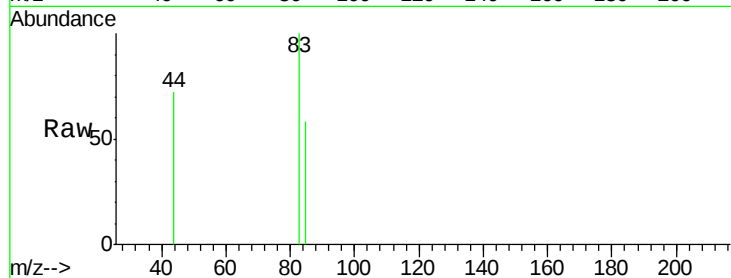




#30
Chloroform
Concen: 0.230 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061340.D
Acq: 7 May 2020 17:39

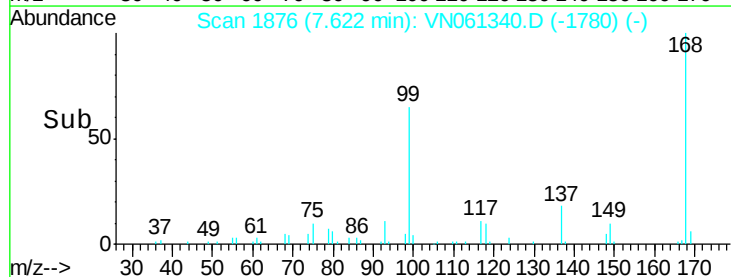
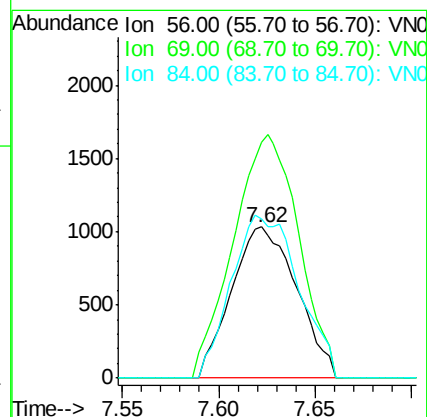
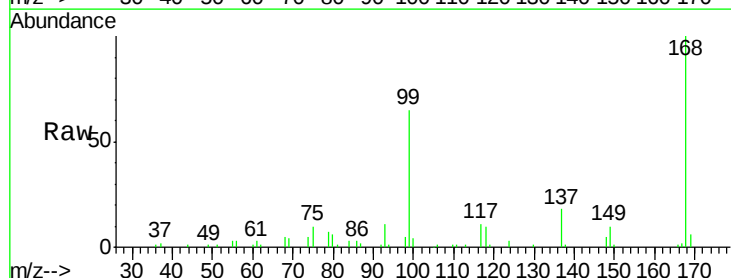
Instrument :
MSVOA_N
ClientSampleId :

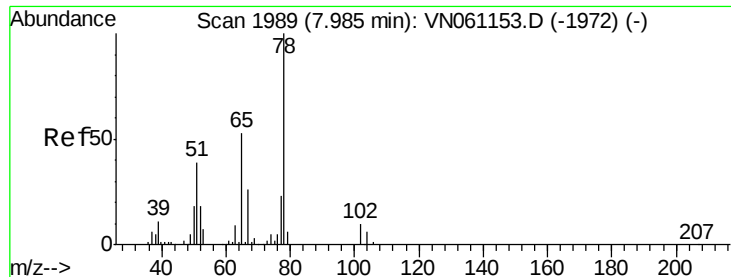
Tot Ion: 83 Resp: 484
Ion Ratio Lower Upper
83 100
85 57.7 51.1 76.7



#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061340.D
Acq: 7 May 2020 17:39

Tgt Ion: 56 Resp: 2418
Ion Ratio Lower Upper
56 100
69 156.1 25.7 38.5#
84 105.3 64.6 97.0#

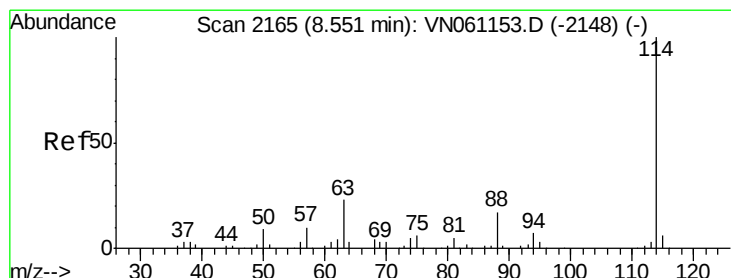
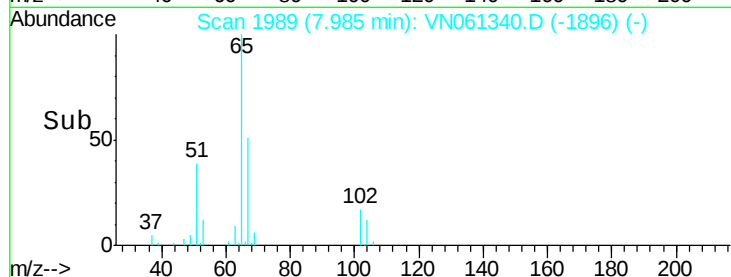
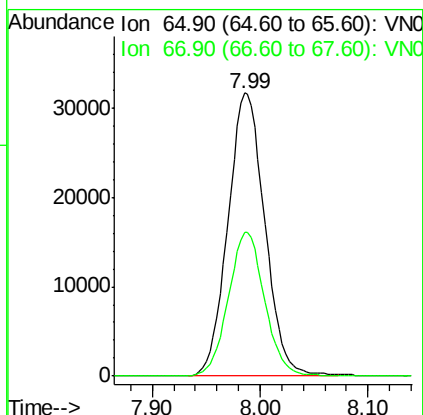
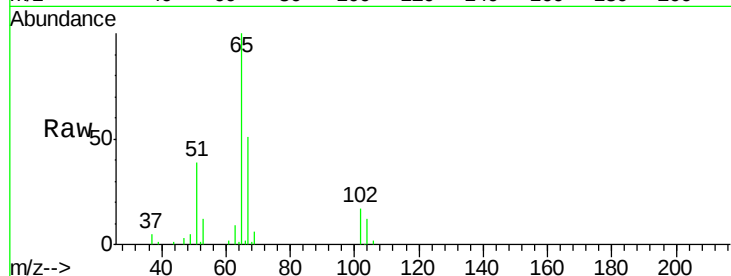




#33
 1,2-Dichloroethane-d4
 Concen: 54.475 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061340.D
 Acq: 7 May 2020 17:39

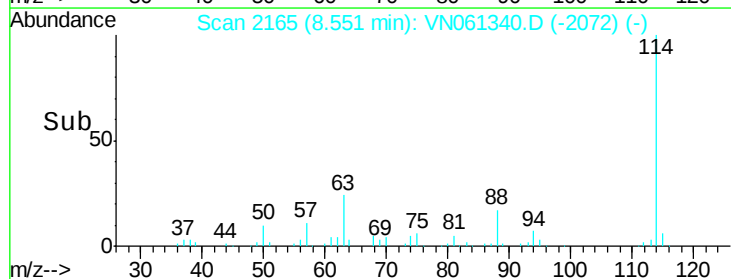
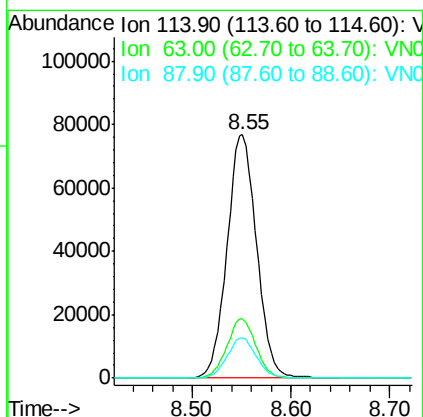
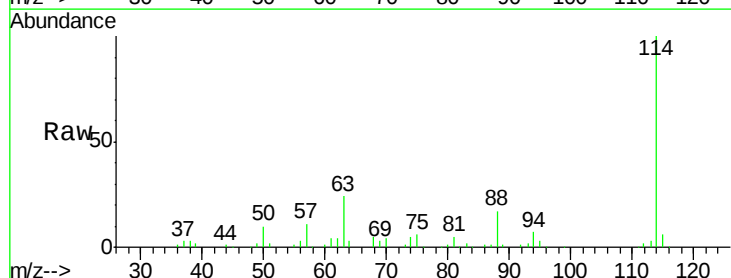
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 MSVOA_N
 ClientSampleId :

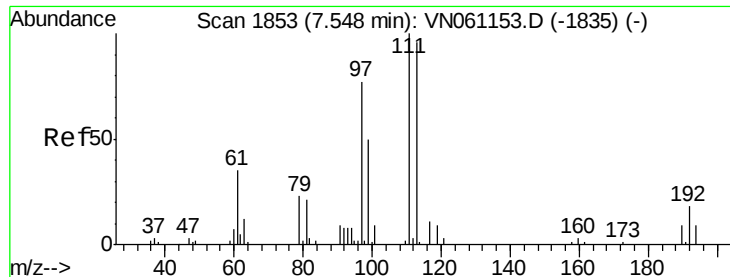
Tot Ion: 65 Resp: 75461
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061340.D
 Acq: 7 May 2020 17:39

Tgt Ion: 114 Resp: 160369
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 46.6
 88 16.7 0.0 33.4

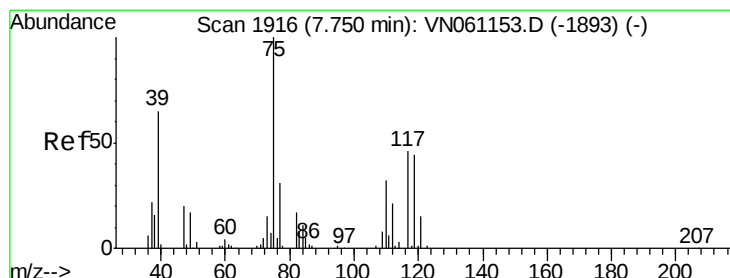
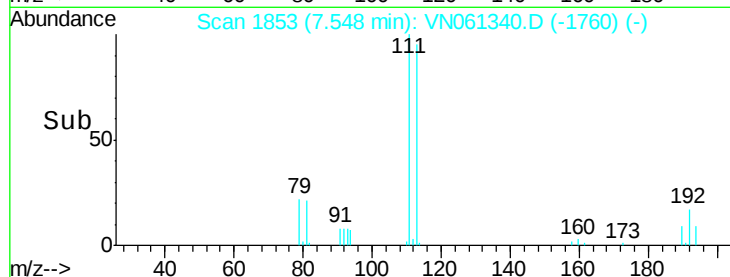
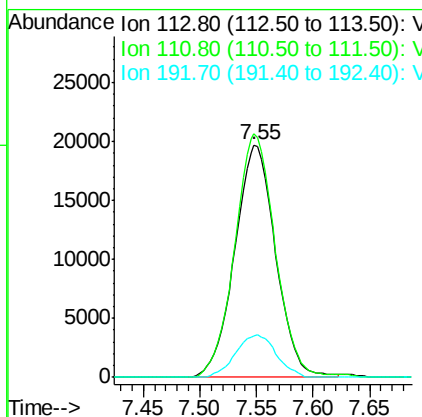
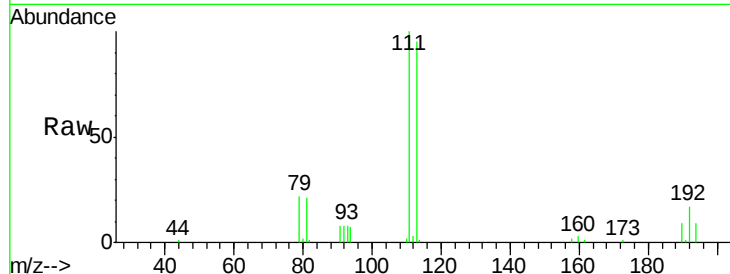




#35
 Dibromofluoromethane
 Concen: 52.303 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061340.D
 Acq: 7 May 2020 17:39

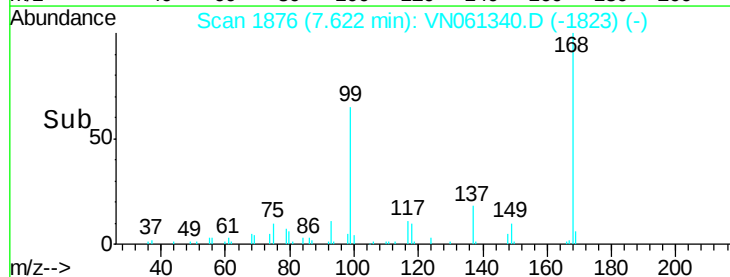
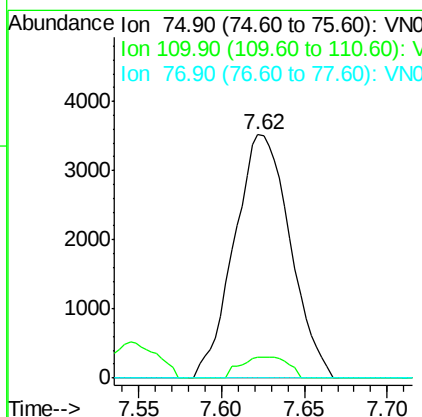
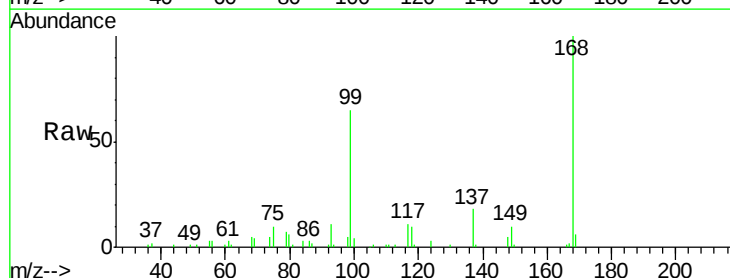
Instrument :
 MSVOA_N
 ClientSampled :

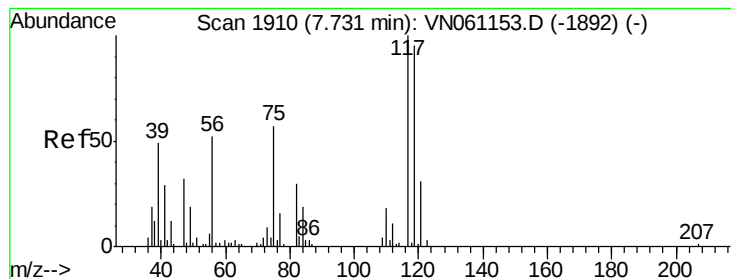
Tot Ion:113 Resp: 49599
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.9 124.3
 192 18.2 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 5.136 ug/l
 RT: 7.62 min Scan# 1876
 Delta R.T. -0.13 min
 Lab File: VN061340.D
 Acq: 7 May 2020 17:39

Tgt Ion: 75 Resp: 8245
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.0 48.0#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 8.435 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061340.D

Acq: 7 May 2020 17:39

Instrument :

MSVOA_N

ClientSampled :

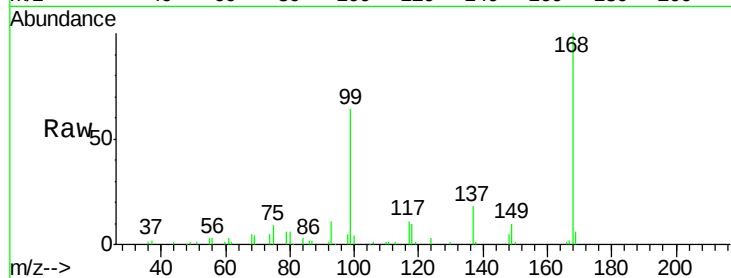
Tot Ion:117 Resp: 9437

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.6#

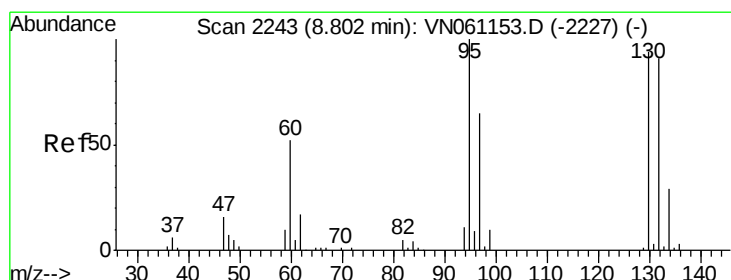
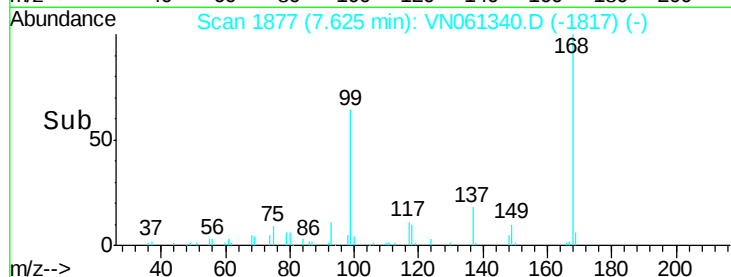
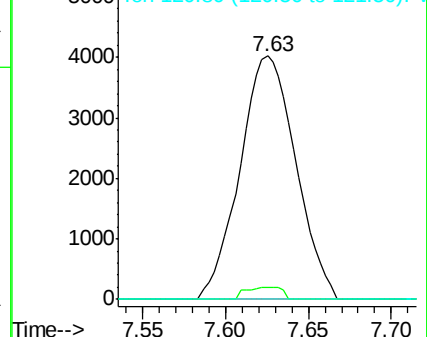
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 4.627 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061340.D

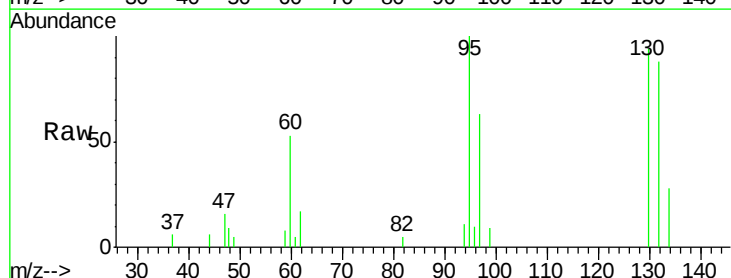
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Tgt Ion:130 Resp: 5983

Ion Ratio Lower Upper

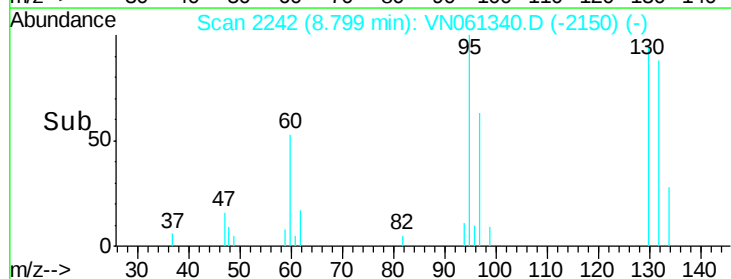
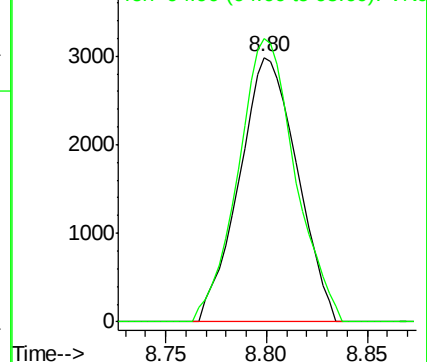
130 100

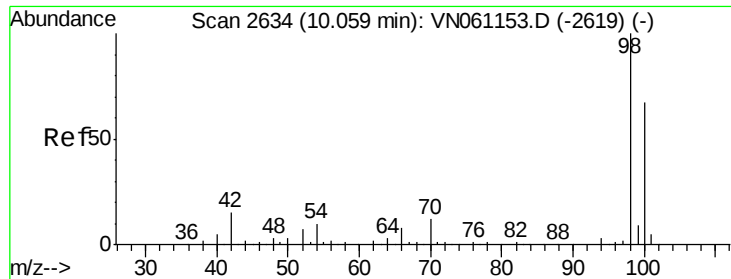
95 106.9 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 51.928 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061340.D

Acq: 7 May 2020 17:39

Instrument :

MSVOA_N

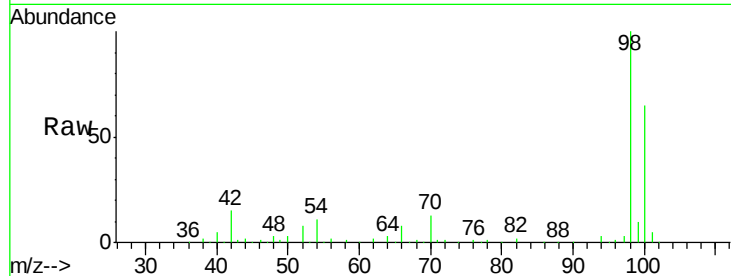
ClientSampleId :

Tot Ion: 98 Resp: 200743

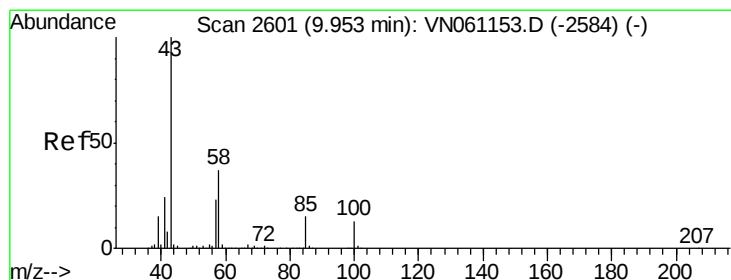
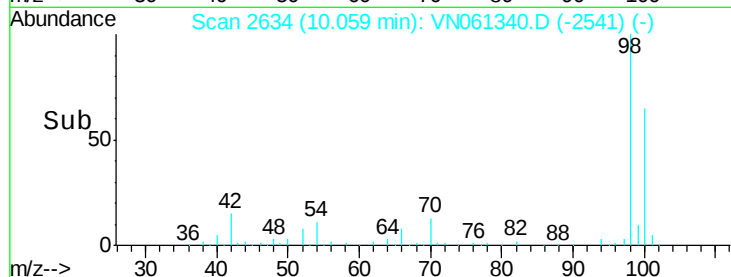
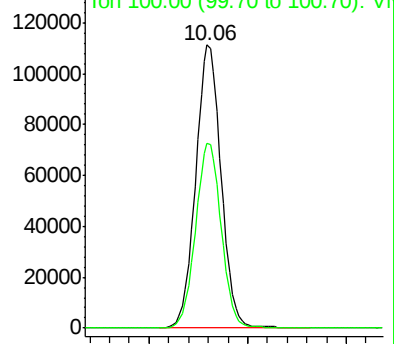
Ion Ratio Lower Upper

98 100

100 65.9 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN061153.D (-2619) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.615 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.11 min

Lab File: VN061340.D

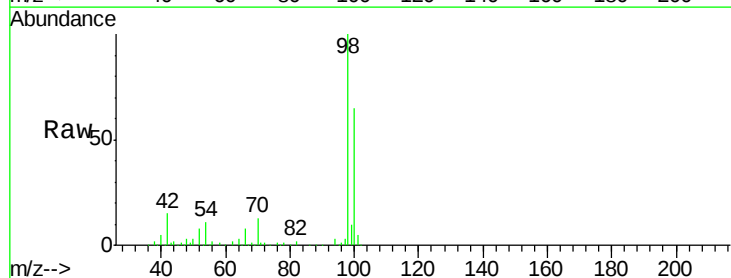
Acq: 7 May 2020 17:39

Tgt Ion: 43 Resp: 1130

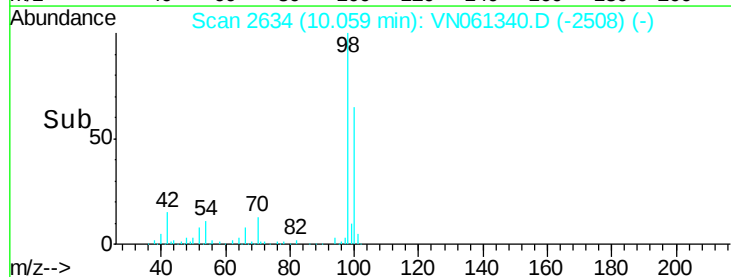
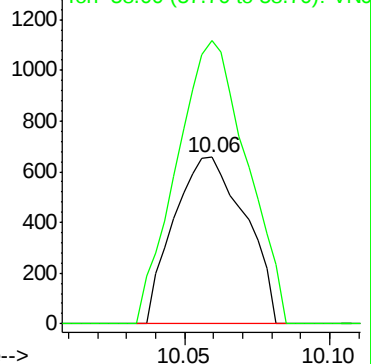
Ion Ratio Lower Upper

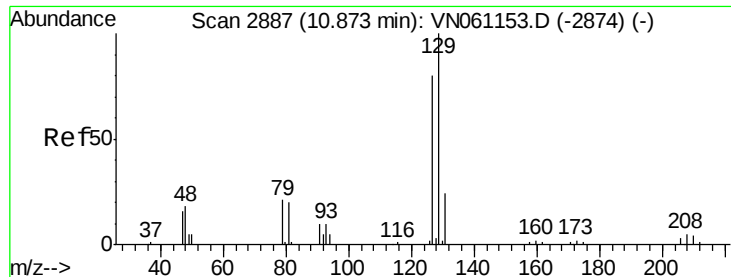
43 100

58 166.5 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2584) (-)

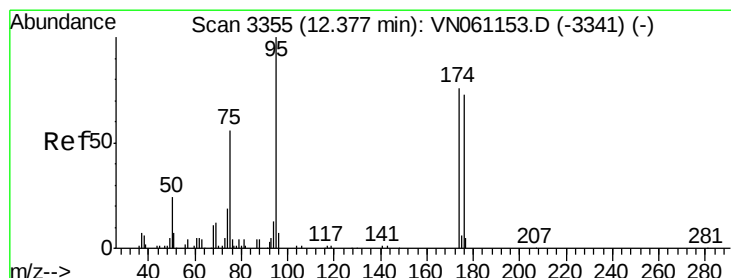
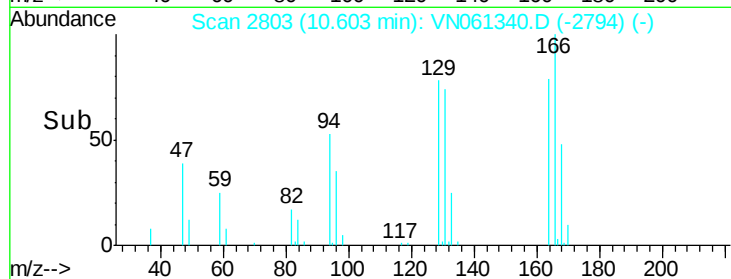
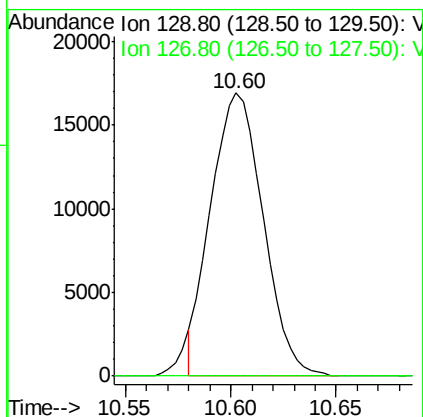
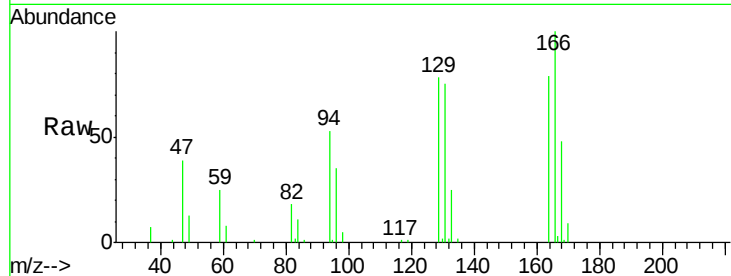




#60
Dibromochloromethane
Concen: 24.220 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. -0.27 min
Lab File: VN061340.D
Acq: 7 May 2020 17:39

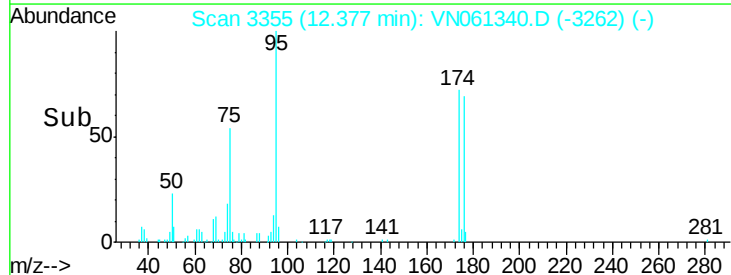
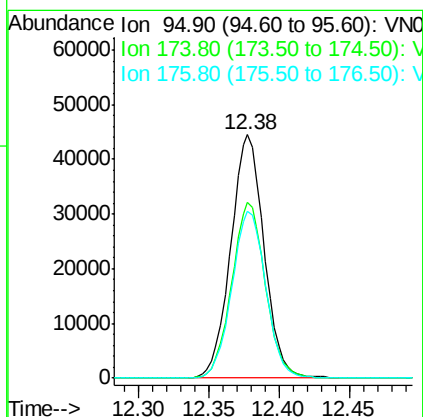
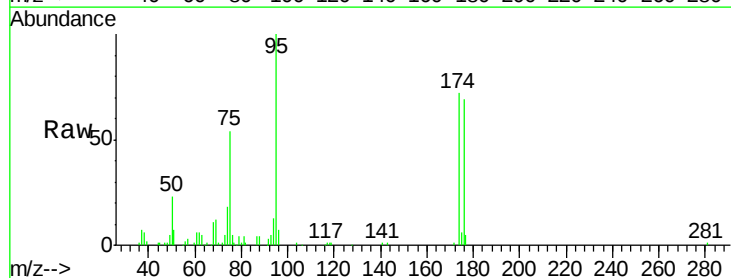
Instrument :
MSVOA_N
ClientSampled :

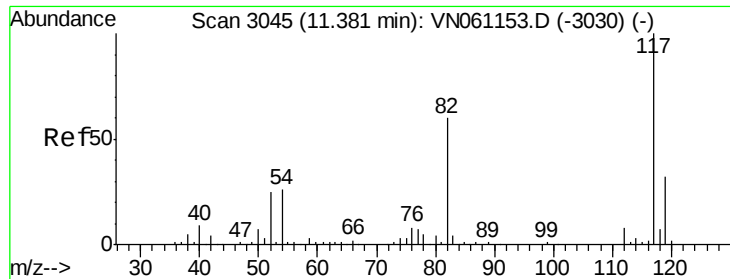
Tot Ion:129 Resp: 29148
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#



#62
4-Bromofluorobenzene
Concen: 50.517 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061340.D
Acq: 7 May 2020 17:39

Tgt Ion: 95 Resp: 73490
Ion Ratio Lower Upper
95 100
174 72.7 0.0 149.4
176 69.9 0.0 144.8

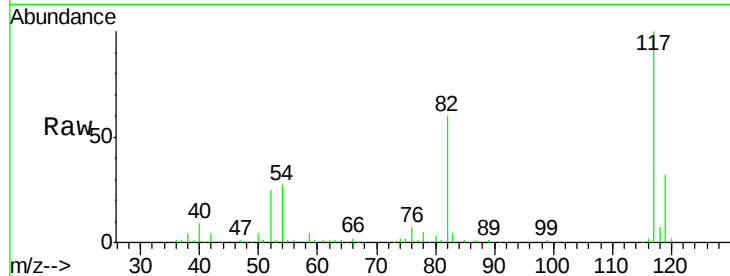




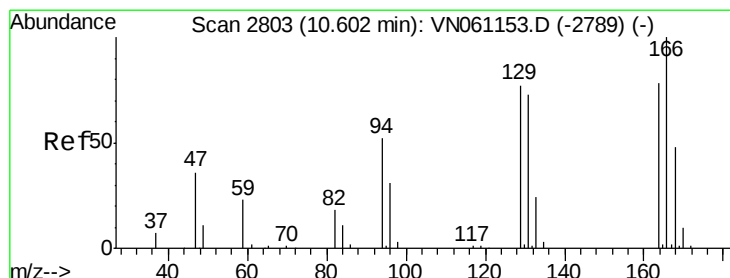
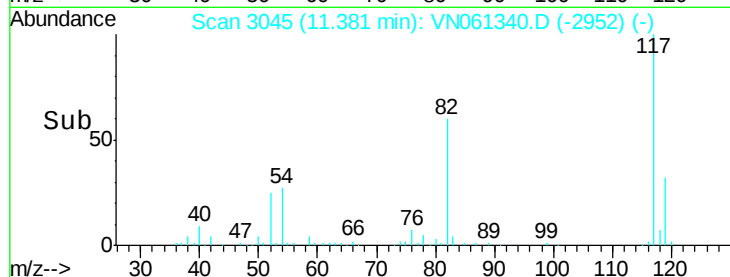
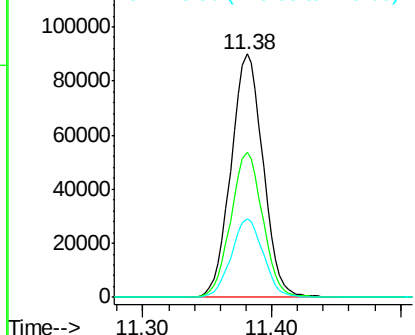
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061340.D
Acq: 7 May 2020 17:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 155335
Ion Ratio Lower Upper
117 100
82 59.6 47.8 71.8
119 32.0 25.8 38.6

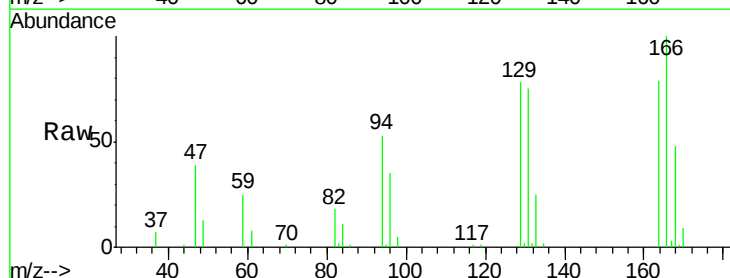


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

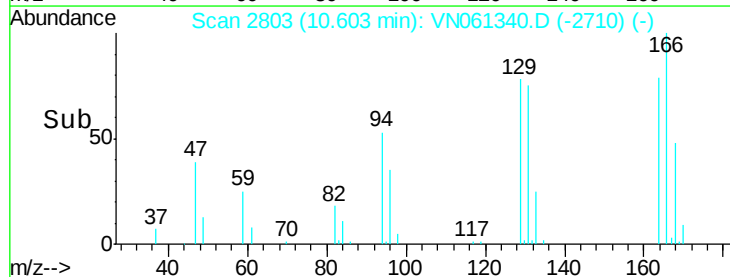
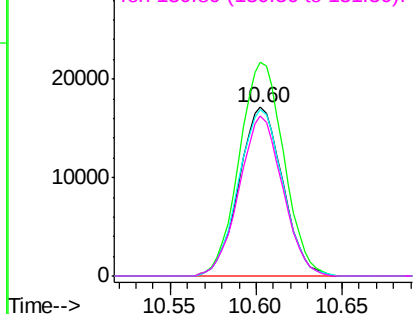


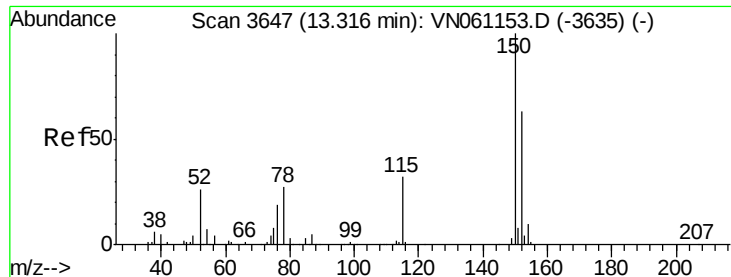
#64
Tetrachloroethene
Concen: 22.514 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061340.D
Acq: 7 May 2020 17:39

Tgt Ion:164 Resp: 30289
Ion Ratio Lower Upper
164 100
166 126.7 102.0 153.0
129 98.8 78.2 117.2
131 95.0 74.5 111.7



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061340.D

Acq: 7 May 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

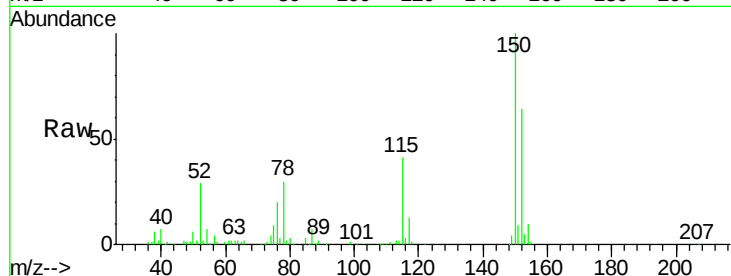
Tot Ion:152 Resp: 67814

Ion Ratio Lower Upper

152 100

115 62.2 31.0 93.0

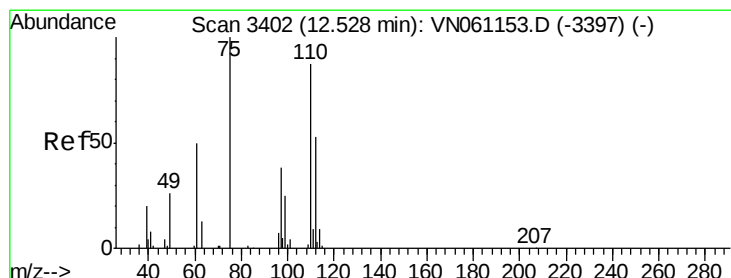
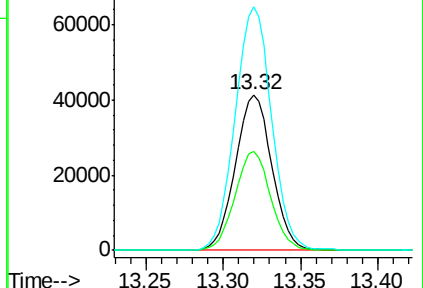
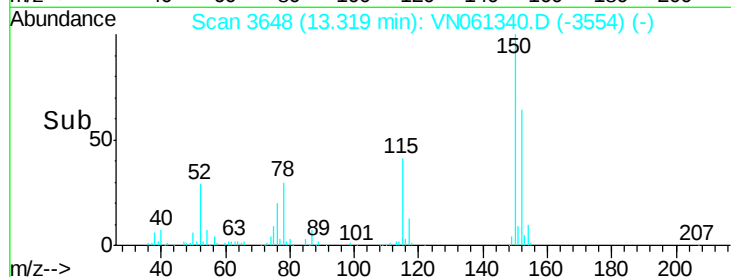
150 156.8 0.0 351.8



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



#76

1,2,3-Trichloropropane

Concen: 28.711 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061340.D

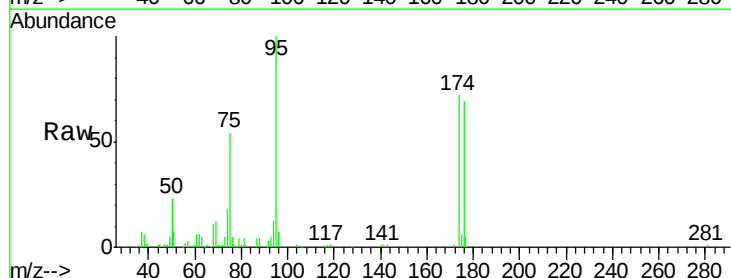
Acq: 7 May 2020 17:39

Tgt Ion: 75 Resp: 41048

Ion Ratio Lower Upper

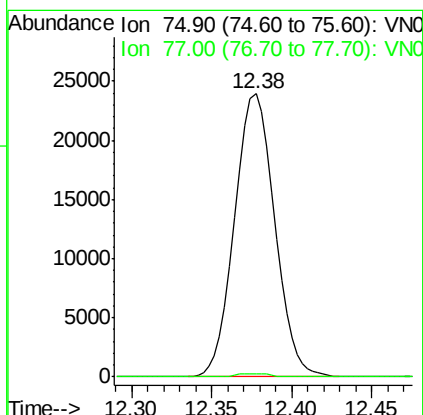
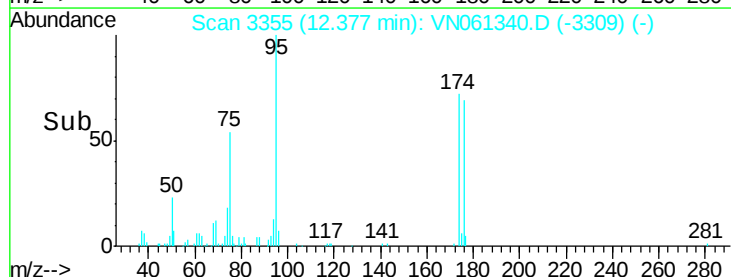
75 100

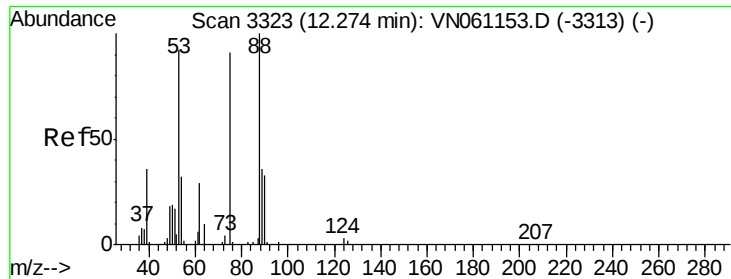
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 72.911 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061340.D

Acq: 7 May 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 41048

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#

