

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050520\
 Data File : VN061299.D
 Acq On : 5 May 2020 18:01
 Operator : JC/MD
 Sample : L2514-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 03:51:41 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	98618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	179889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	171755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	75796	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	81397	52.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.32%	
35) Dibromofluoromethane	7.55	113	53580	50.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.74%	
50) Toluene-d8	10.06	98	221027	50.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.38	95	81117	49.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.42%	

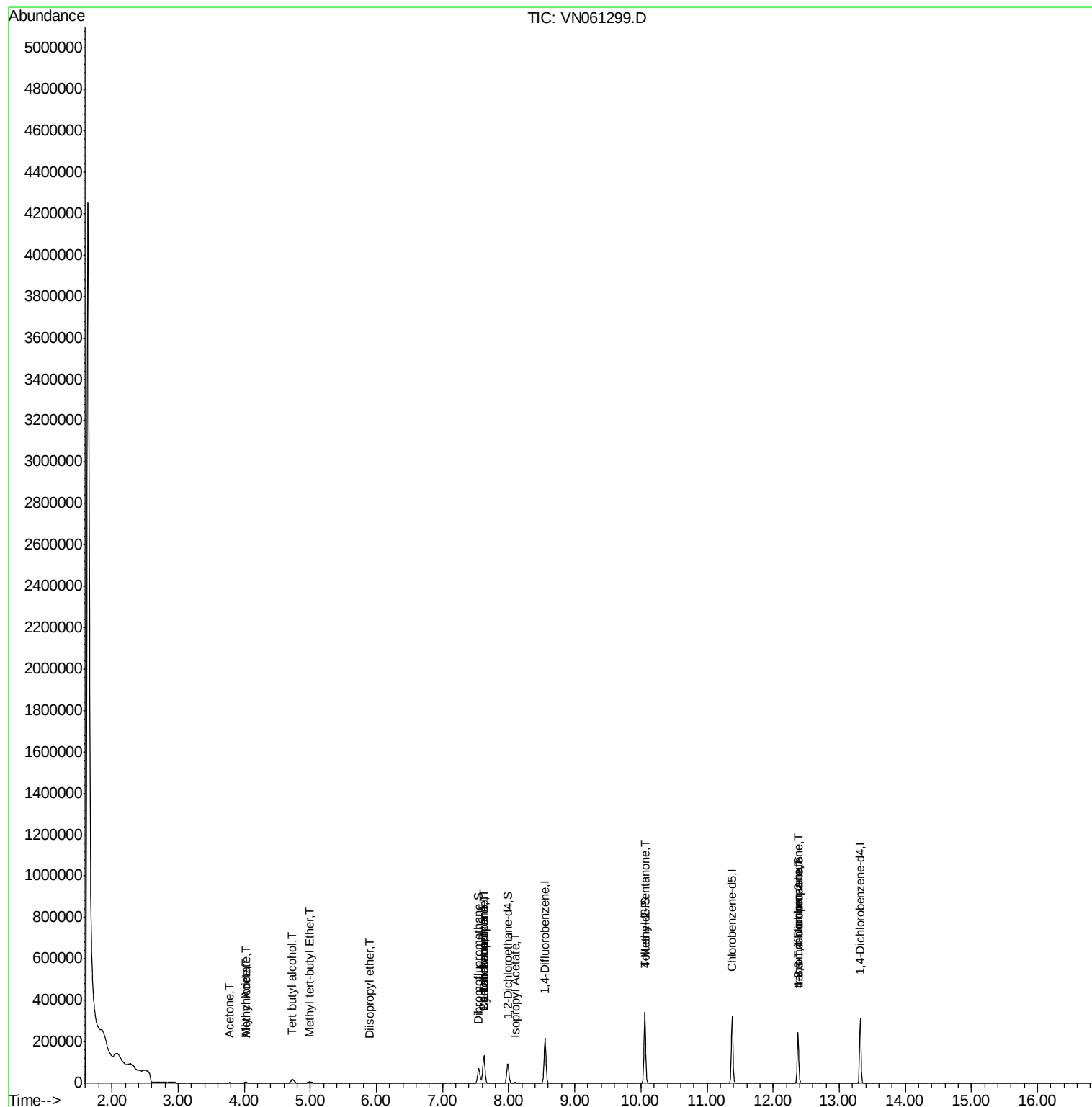
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	34091	163.089	ug/l	98
14) Allyl chloride	4.02	41	699	0.362	ug/l #	68
16) Acetone	3.78	43	4722	2.352	ug/l	96
18) Methyl Acetate	4.02	43	2046	1.704	ug/l #	55
19) Methyl tert-butyl Ether	4.99	73	11727	2.950	ug/l	96
22) Diisopropyl ether	5.90	45	1046	0.234	ug/l #	70
31) Cyclohexane	7.62	56	2787	1.228	ug/l #	46
36) 1,1-Dichloropropene	7.63	75	8984	4.989	ug/l #	51
38) Carbon Tetrachloride	7.63	117	10860	8.594	ug/l #	16
43) Isopropyl Acetate	8.09	43	821	0.234	ug/l #	57
51) 4-Methyl-2-Pentanone	10.06	43	1079	0.523	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	46196	28.909	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	46196	73.414	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: VN061299.D

Acq: 5 May 2020 18:01

Instrument :

MSVOA_N

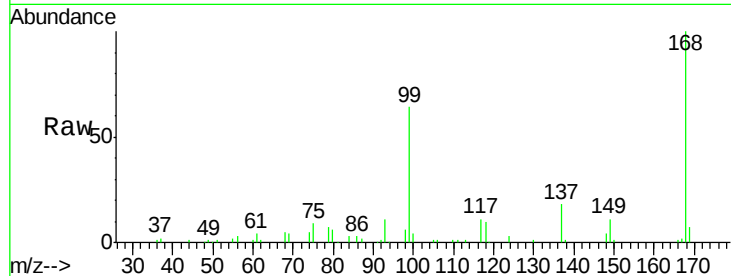
ClientSampled :

Tot Ion:168 Resp: 98618

Ion Ratio Lower Upper

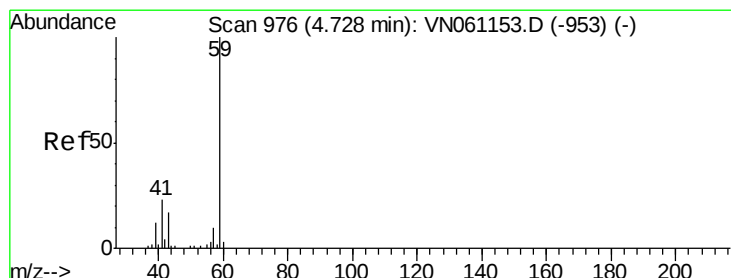
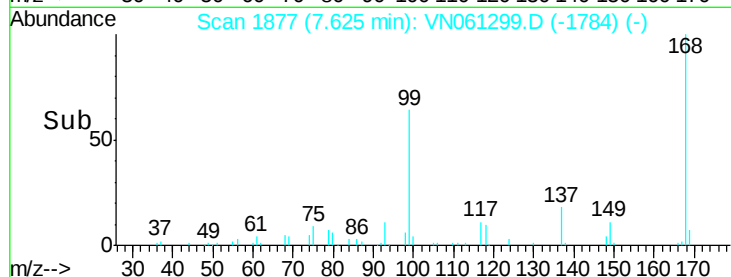
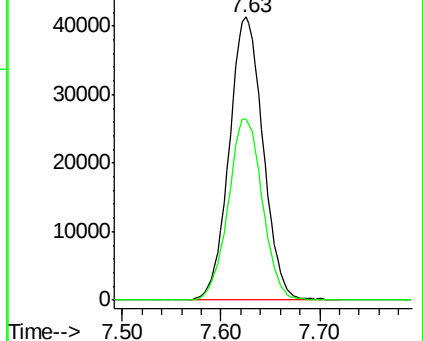
168 100

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): VNO



#11

Tert butyl alcohol

Concen: 163.089 ug/l

RT: 4.73 min Scan# 976

Delta R.T. 0.00 min

Lab File: VN061299.D

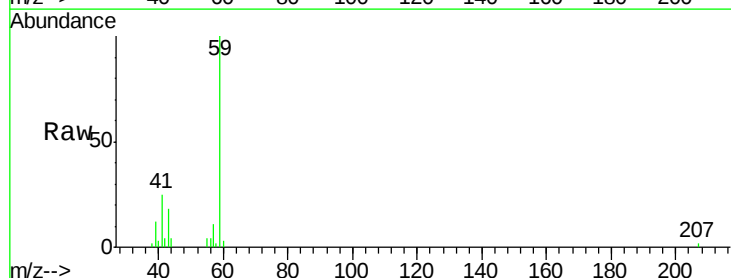
Acq: 5 May 2020 18:01

Tgt Ion: 59 Resp: 34091

Ion Ratio Lower Upper

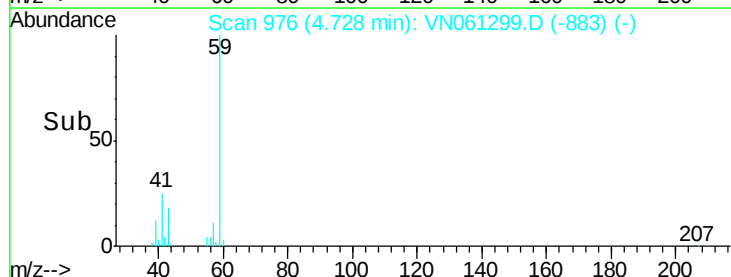
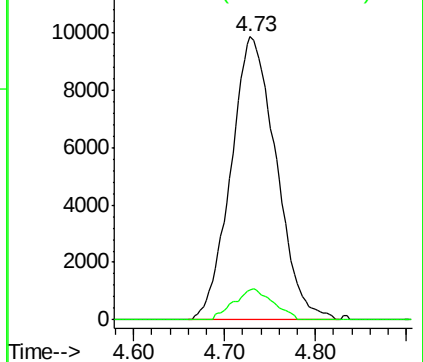
59 100

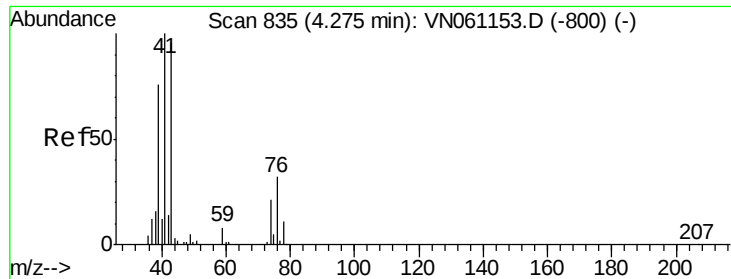
57 9.5 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#14

Allvl chloride

Concen: 0.362 ug/l

RT: 4.02 min Scan# 756

Delta R.T. -0.25 min

Lab File: VN061299.D

Acq: 5 May 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

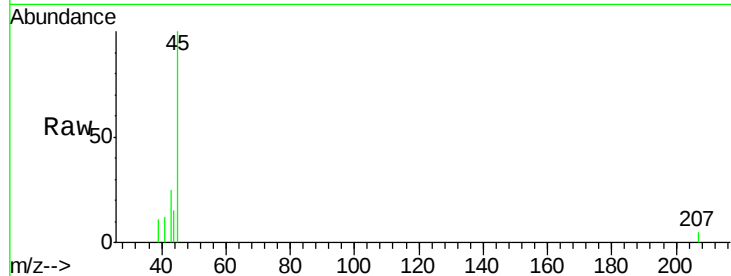
Tot Ion: 41 Resp: 699

Ion Ratio Lower Upper

41 100

39 89.0 57.1 85.7#

76 0.0 24.3 36.5#



Abundance Ion 41.00 (40.70 to 41.70): VN061153.D (-800) (-)

Ion 39.00 (38.70 to 39.70): VN061153.D (-800) (-)

Ion 75.90 (75.60 to 76.60): VN061153.D (-800) (-)

4.02

300

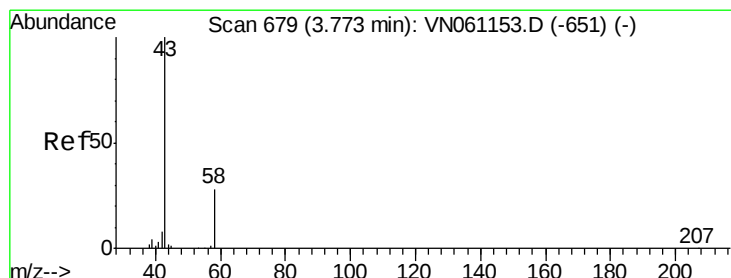
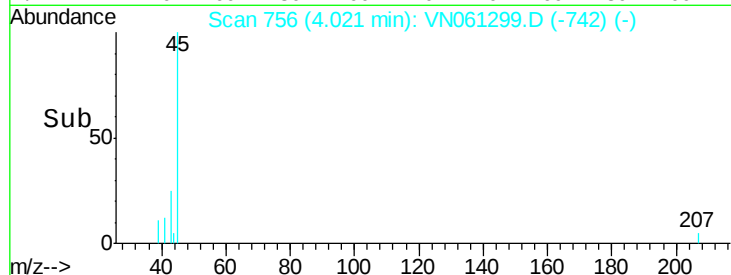
200

100

0

4.00 4.05

Time-->



#16

Acetone

Concen: 2.352 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061299.D

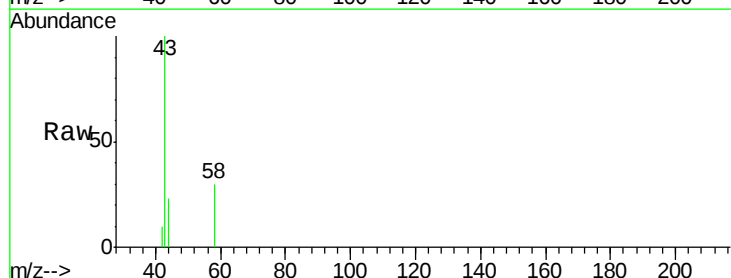
Acq: 5 May 2020 18:01

Tgt Ion: 43 Resp: 4722

Ion Ratio Lower Upper

43 100

58 29.6 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-651) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-651) (-)

3.78

1500

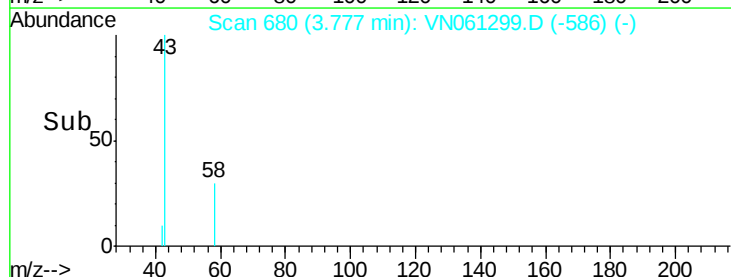
1000

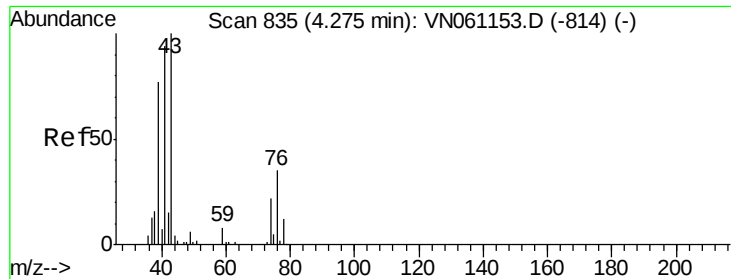
500

0

3.70 3.75 3.80 3.85

Time-->

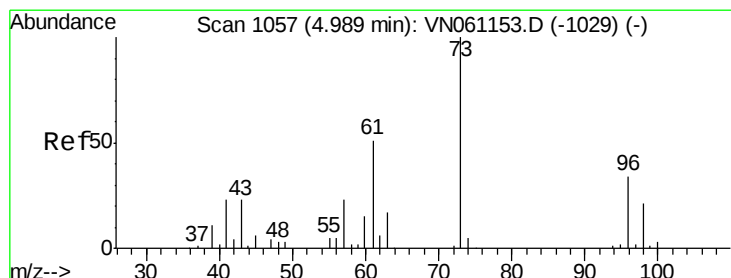
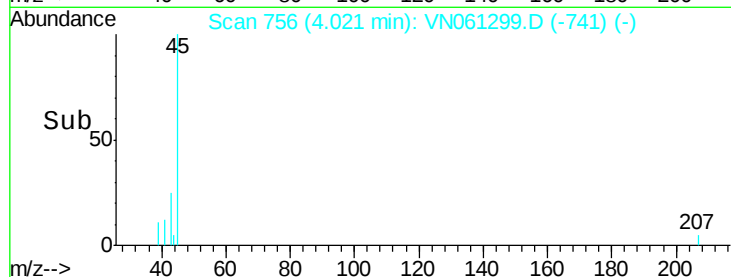
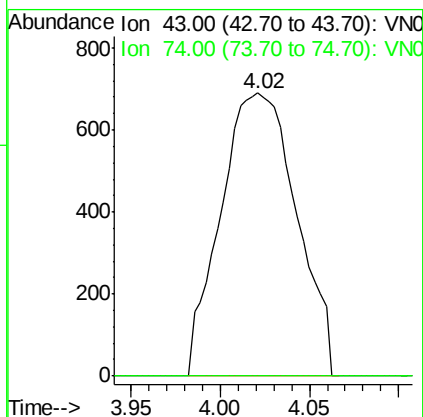
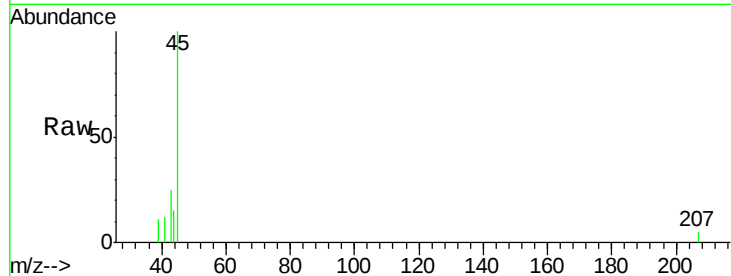




#18
Methyl Acetate
Concen: 1.704 ug/l
RT: 4.02 min Scan# 756
Delta R.T. -0.25 min
Lab File: VN061299.D
Acq: 5 May 2020 18:01

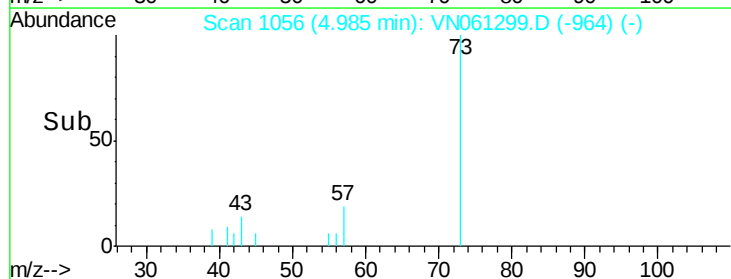
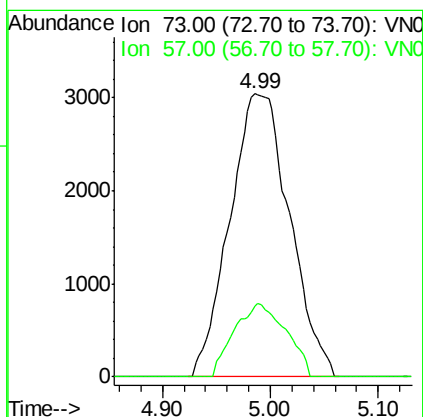
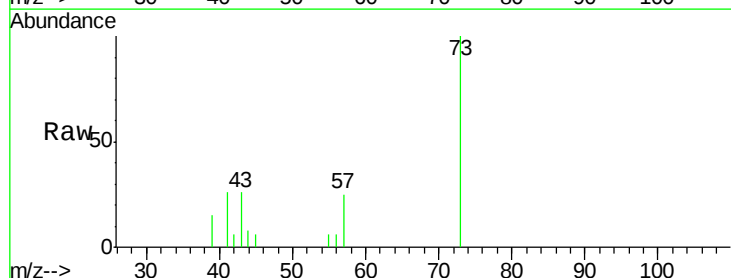
Instrument :
MSVOA_N
ClientSampled :

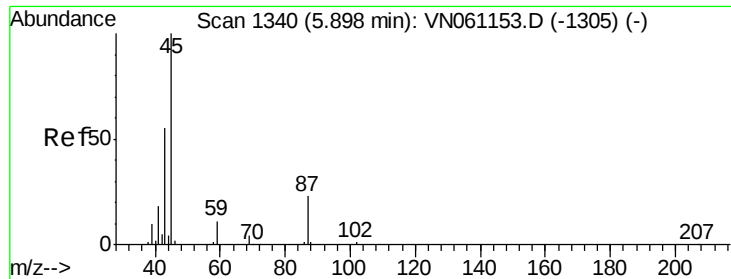
Tot Ion: 43 Resp: 2046
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#19
Methyl tert-butyl Ether
Concen: 2.950 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061299.D
Acq: 5 May 2020 18:01

Tgt Ion: 73 Resp: 11727
Ion Ratio Lower Upper
73 100
57 25.0 18.3 27.5

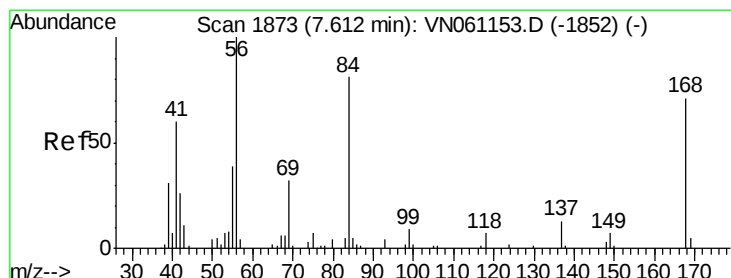
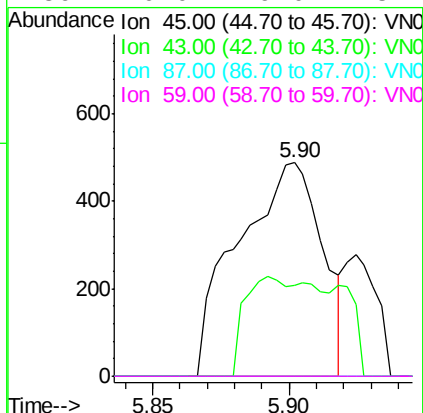
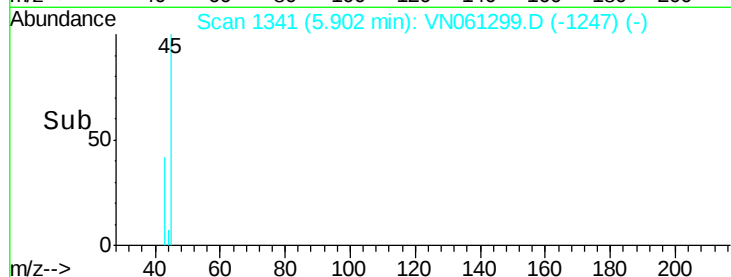
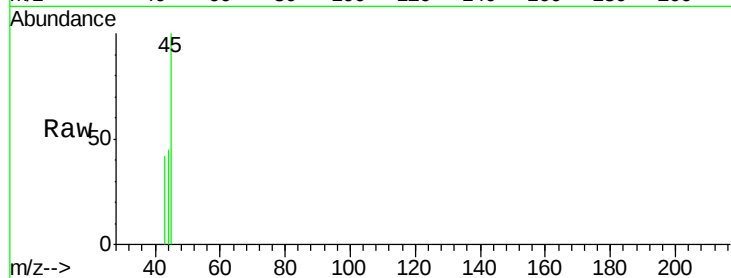




#22
Diisopropyl ether
Concen: 0.234 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN061299.D
Acq: 5 May 2020 18:01

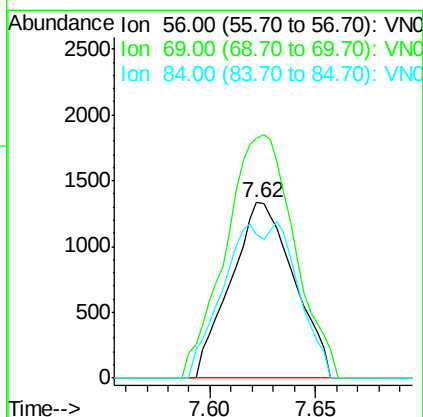
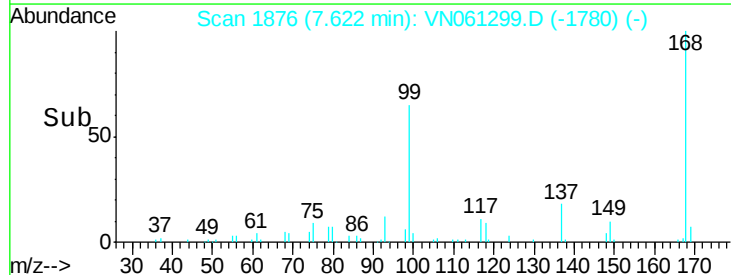
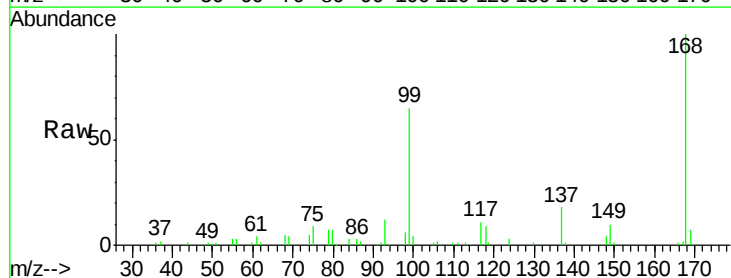
Instrument :
MSVOA_N
ClientSampleId :

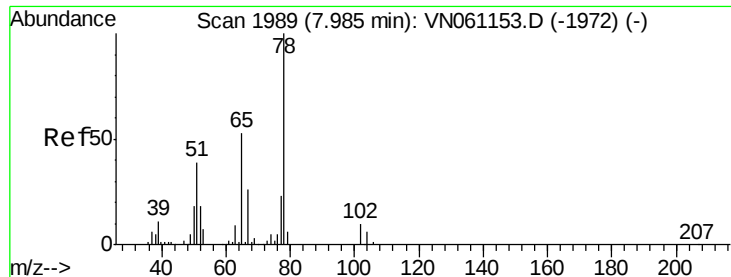
Tot Ion:	45	Resp:	1046
Ion	Ratio	Lower	Upper
45	100		
43	42.4	47.9	71.9#
87	0.0	19.2	28.8#
59	0.0	9.0	13.4#



#31
Cyclohexane
Concen: 1.228 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061299.D
Acq: 5 May 2020 18:01

Tgt Ion:	56	Resp:	2787
Ion	Ratio	Lower	Upper
56	100		
69	136.5	25.7	38.5#
84	82.1	64.6	97.0





#33

1,2-Dichloroethane-d4

Concen: 52.163 ug/l

RT: 7.99 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN061299.D

Acq: 5 May 2020 18:01

Instrument :

MSVOA_N

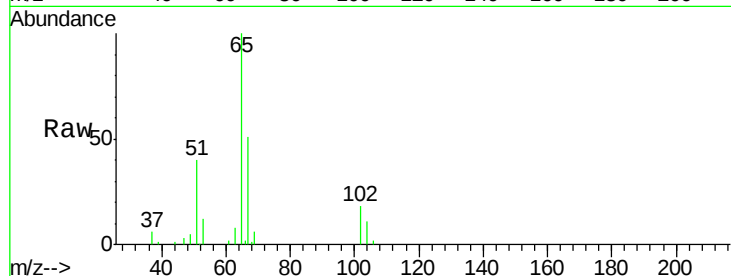
ClientSampleId :

Tot Ion: 65 Resp: 81397

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN061153.D (-1972) (-)

Ion 66.90 (66.60 to 67.60): VN061153.D (-1972) (-)

7.99

40000

30000

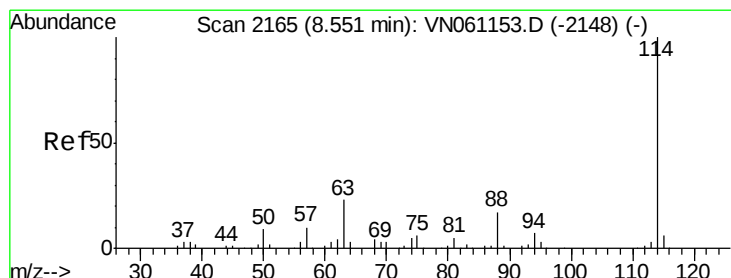
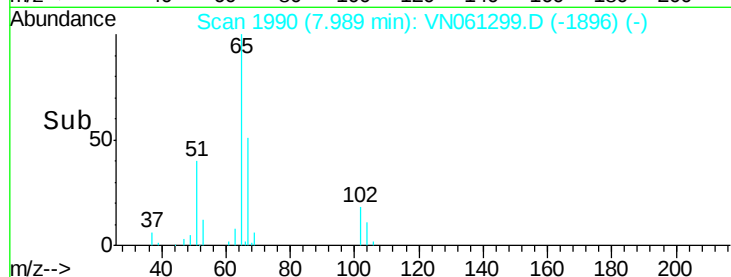
20000

10000

0

Time-->

7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VN061299.D

Acq: 5 May 2020 18:01

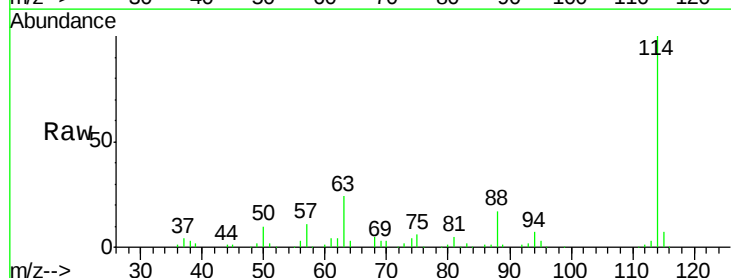
Tgt Ion: 114 Resp: 179889

Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.6

88 16.6 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VN061153.D (-2148) (-)

Ion 63.00 (62.70 to 63.70): VN061153.D (-2148) (-)

Ion 87.90 (87.60 to 88.60): VN061153.D (-2148) (-)

8.55

120000

100000

80000

60000

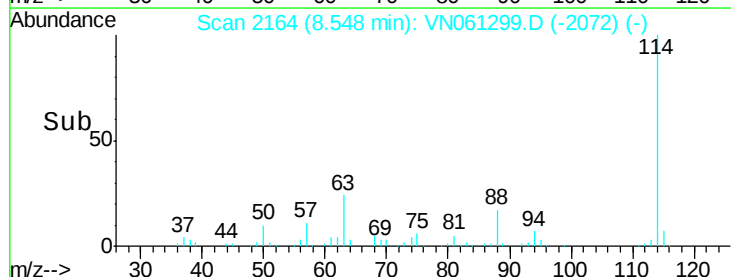
40000

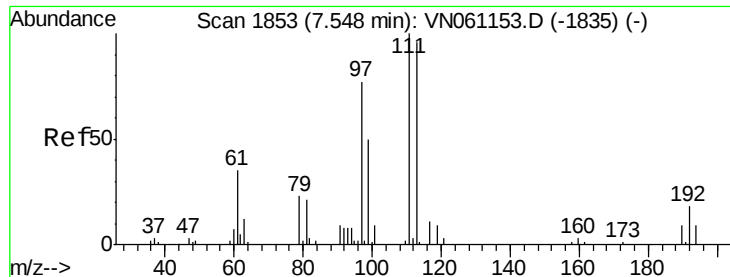
20000

0

Time-->

8.50 8.60

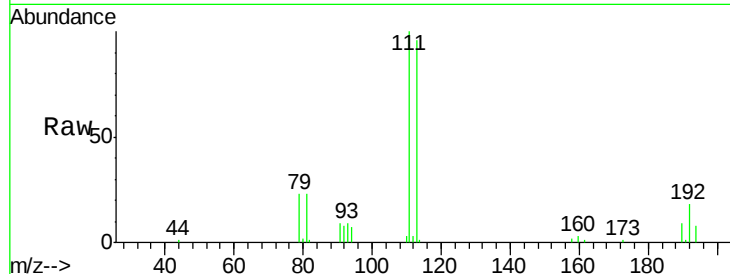




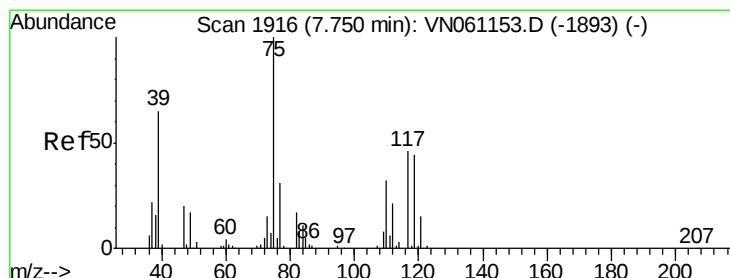
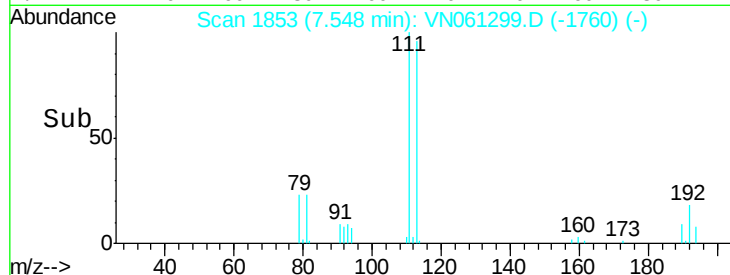
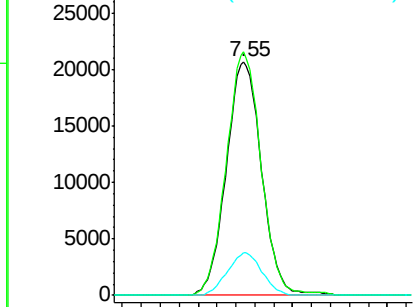
#35
 Dibromofluoromethane
 Concen: 50.370 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061299.D
 Acq: 5 May 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 53580
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.9 124.3
 192 17.8 14.7 22.1

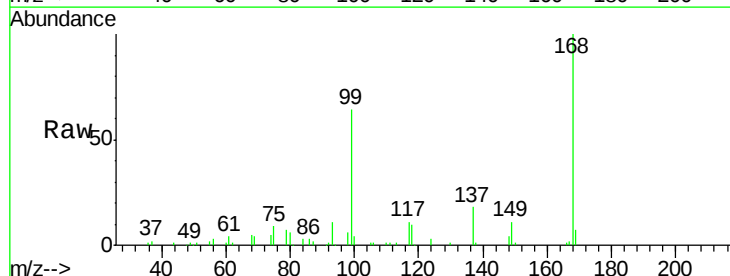


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

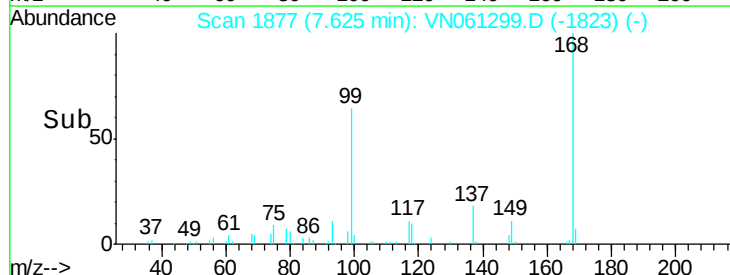
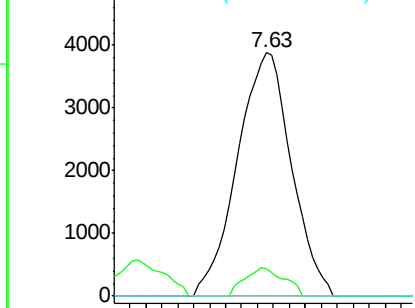


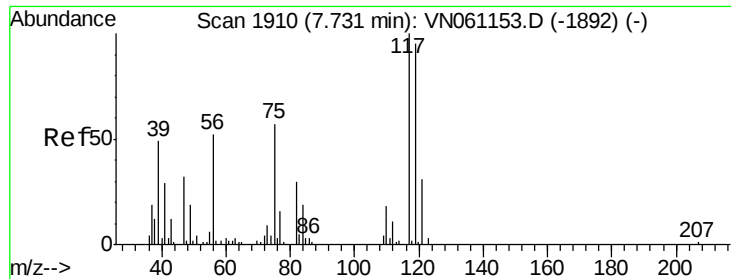
#36
 1,1-Dichloropropene
 Concen: 4.989 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061299.D
 Acq: 5 May 2020 18:01

Tgt Ion: 75 Resp: 8984
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.0 48.0#
 77 0.0 24.6 37.0#



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

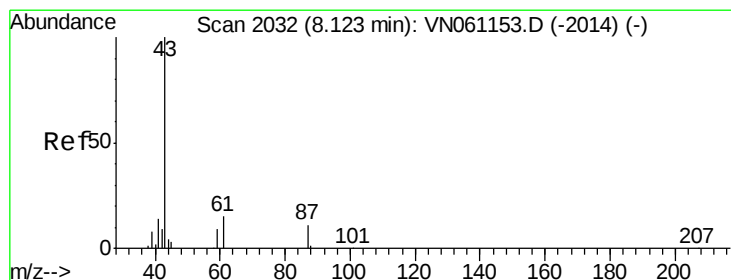
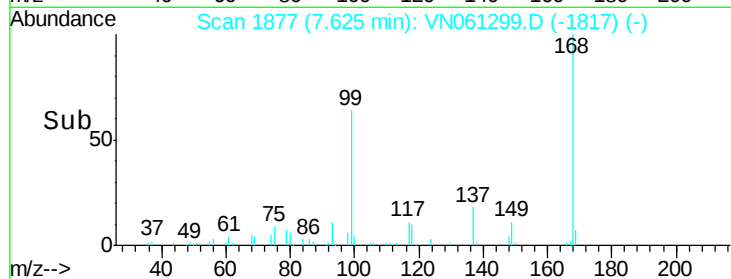
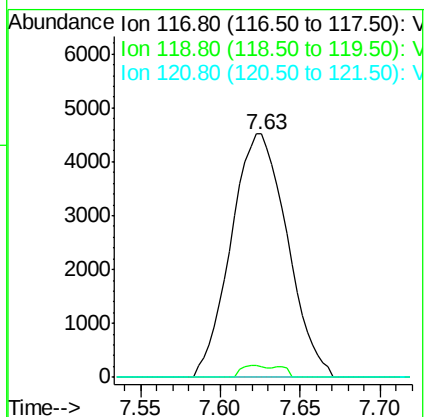
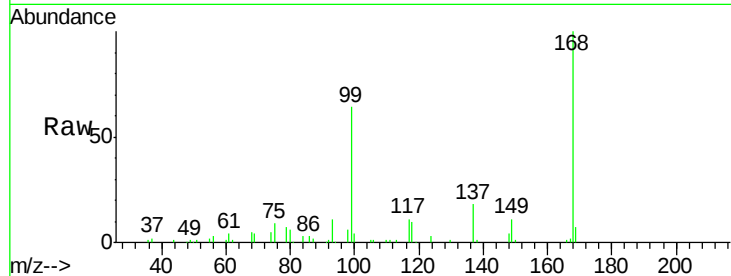




#38
Carbon Tetrachloride
Concen: 8.594 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. -0.11 min
Lab File: VN061299.D
Acq: 5 May 2020 18:01

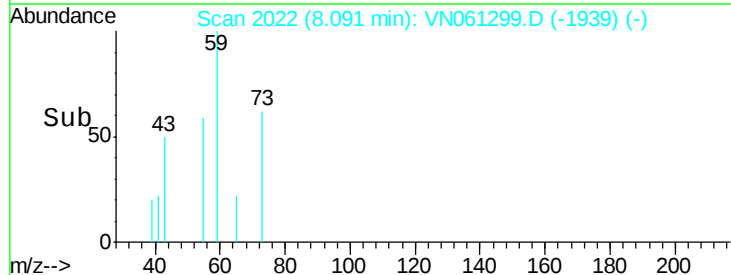
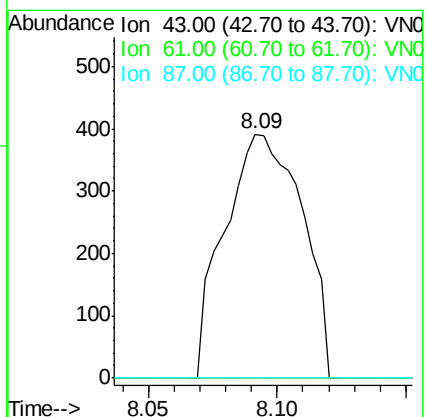
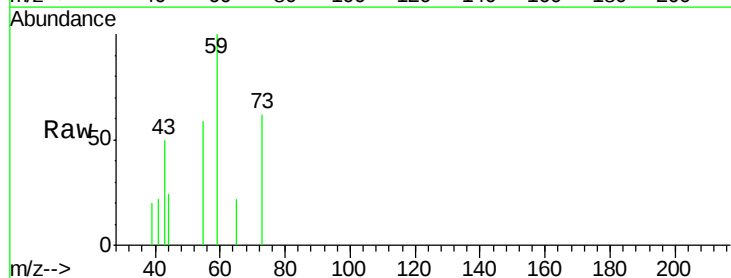
Instrument :
MSVOA_N
ClientSampled :

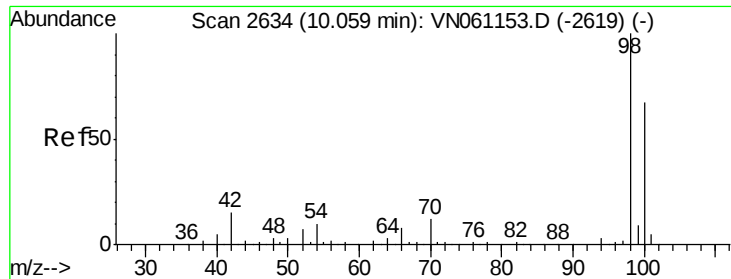
Tot Ion:117 Resp: 10860
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.6#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 0.234 ug/l
RT: 8.09 min Scan# 2022
Delta R.T. -0.03 min
Lab File: VN061299.D
Acq: 5 May 2020 18:01

Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
61 0.0 19.5 29.3#
87 0.0 8.9 13.3#

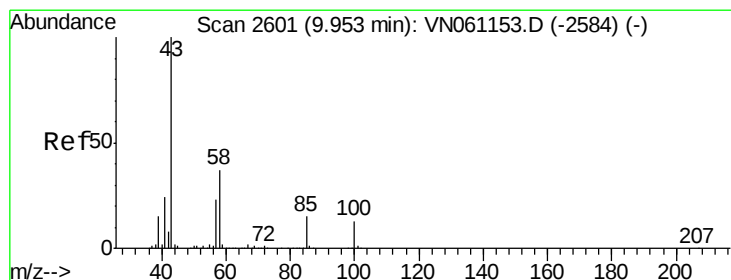
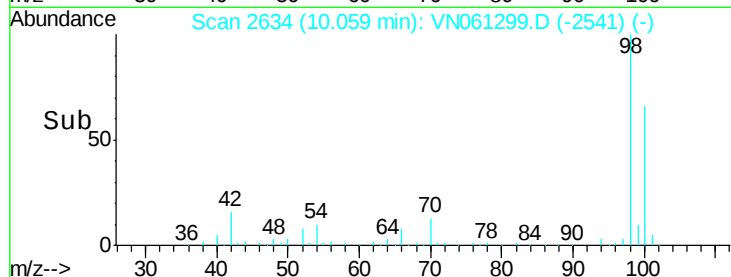
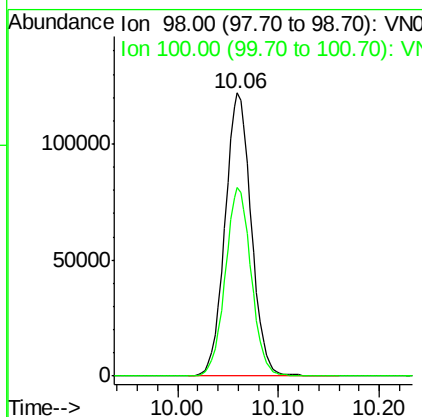
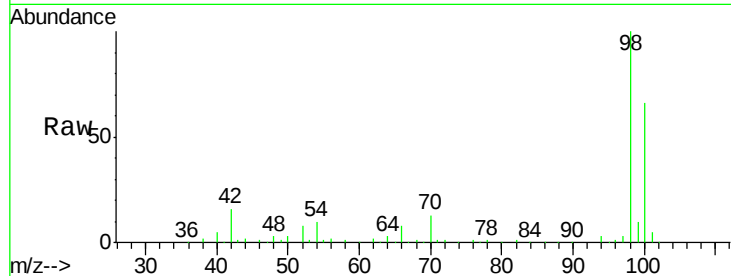




#50
Toluene-d8
Concen: 50.971 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061299.D
Acq: 5 May 2020 18:01

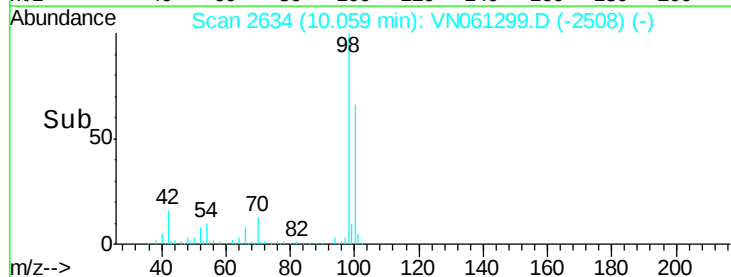
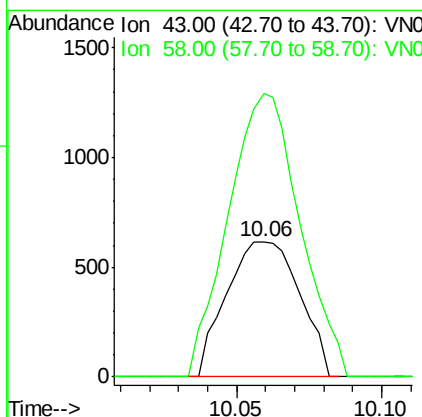
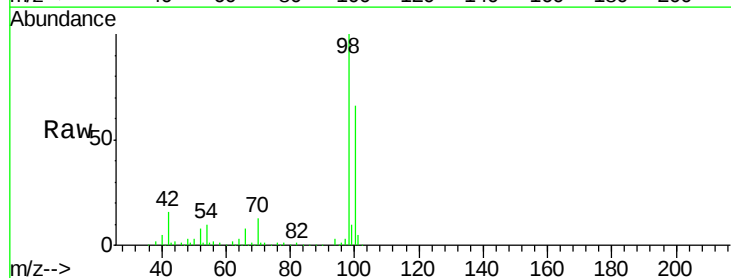
Instrument :
MSVOA_N
ClientSampled :

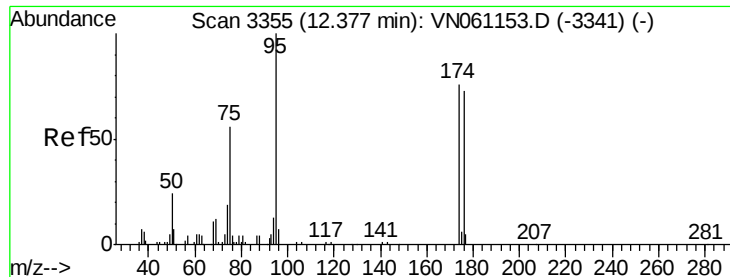
Tot Ion: 98 Resp: 221027
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.523 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.11 min
Lab File: VN061299.D
Acq: 5 May 2020 18:01

Tgt Ion: 43 Resp: 1079
Ion Ratio Lower Upper
43 100
58 204.9 29.1 43.7#





#62

4-Bromofluorobenzene

Concen: 49.709 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061299.D

Acq: 5 May 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

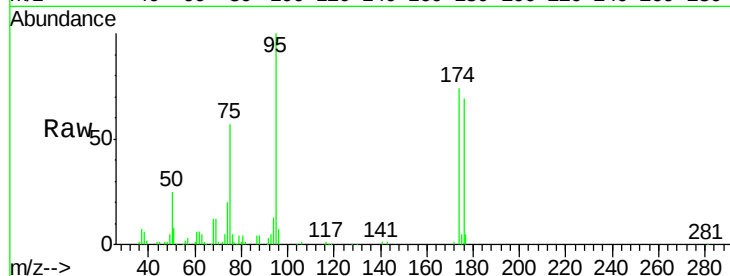
Tot Ion: 95 Resp: 81117

Ion Ratio Lower Upper

95 100

174 73.9 0.0 149.4

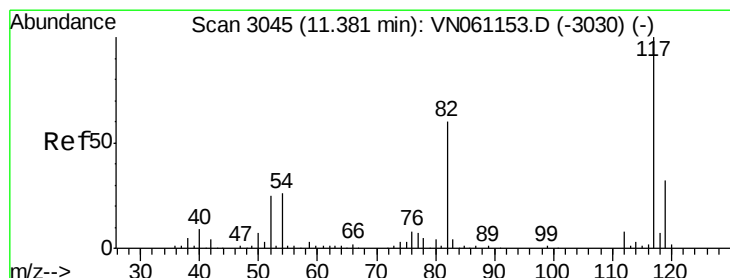
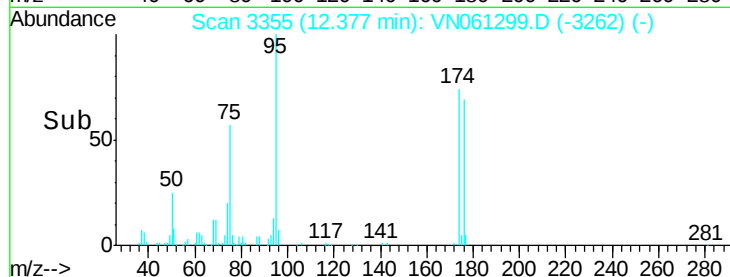
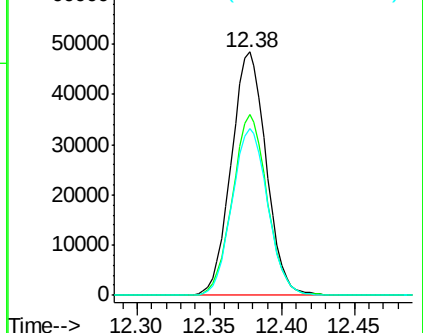
176 69.9 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061299.D (-3262) (-)

Ion 173.80 (173.50 to 174.50): VN061299.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061299.D (-3262) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061299.D

Acq: 5 May 2020 18:01

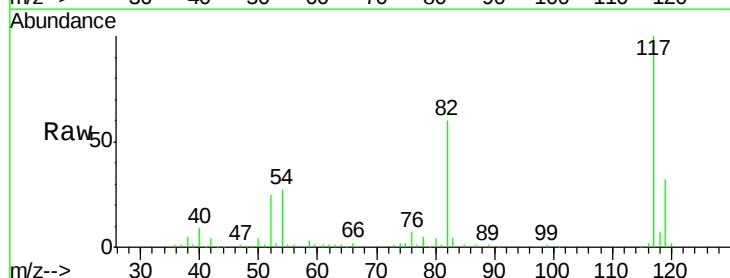
Tgt Ion: 117 Resp: 171755

Ion Ratio Lower Upper

117 100

82 60.5 47.8 71.8

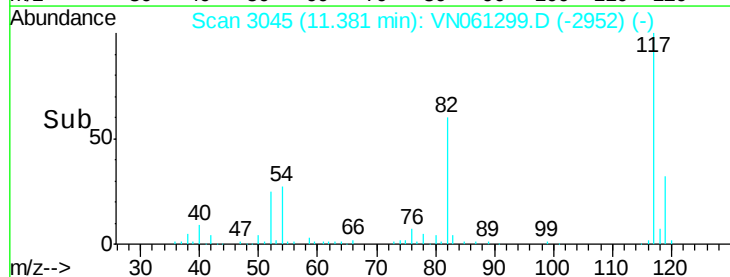
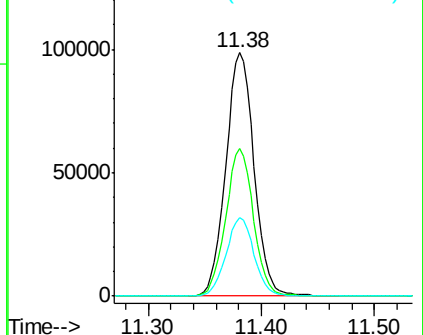
119 32.0 25.8 38.6

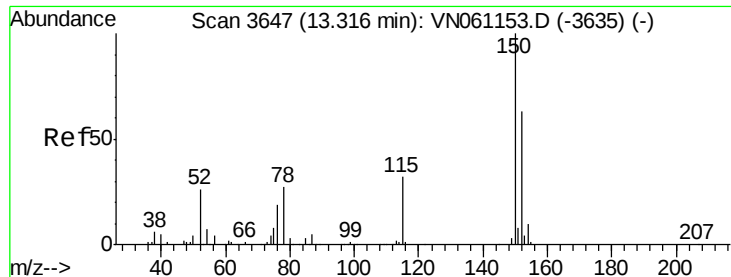


Abundance Ion 116.90 (116.60 to 117.60): VN061299.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061299.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061299.D (-2952) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061299.D

Acq: 5 May 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

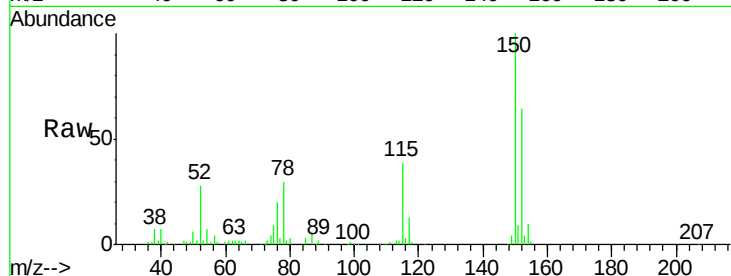
Tot Ion:152 Resp: 75796

Ion Ratio Lower Upper

152 100

115 62.6 31.0 93.0

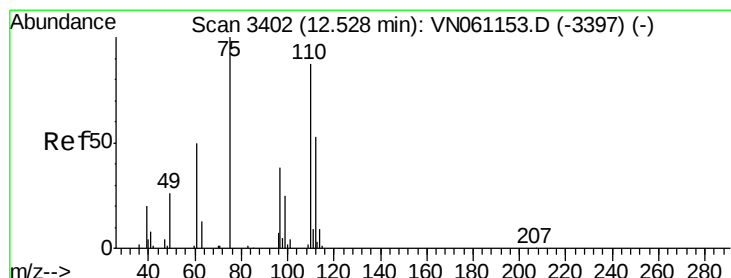
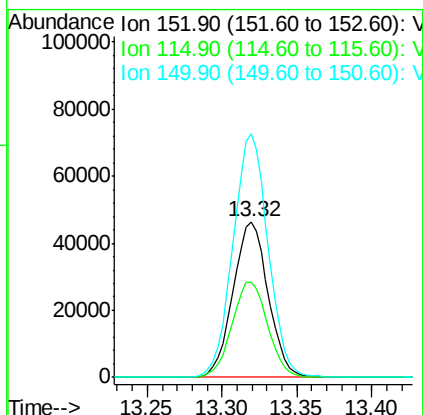
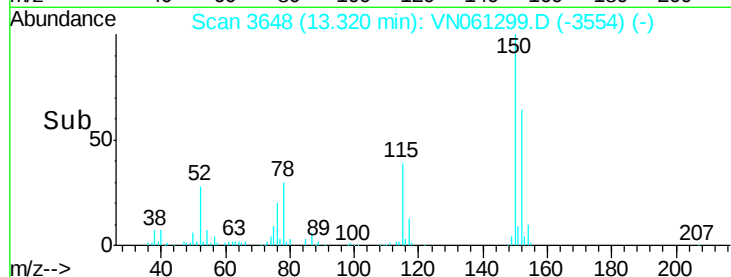
150 156.4 0.0 351.8



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: 28.909 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061299.D

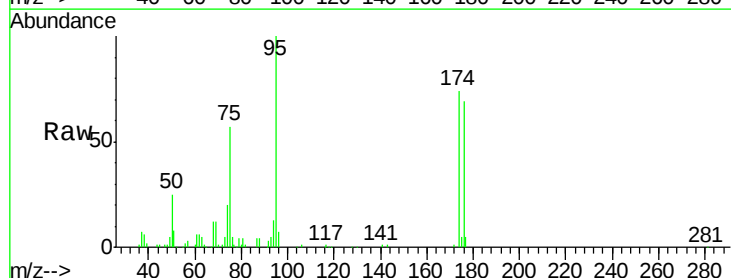
Acq: 5 May 2020 18:01

Tgt Ion: 75 Resp: 46196

Ion Ratio Lower Upper

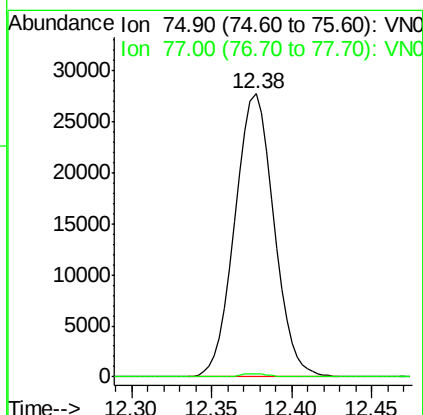
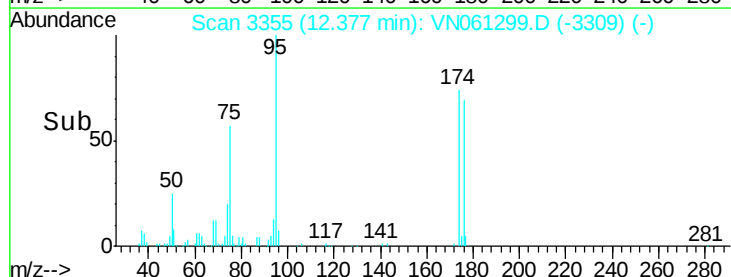
75 100

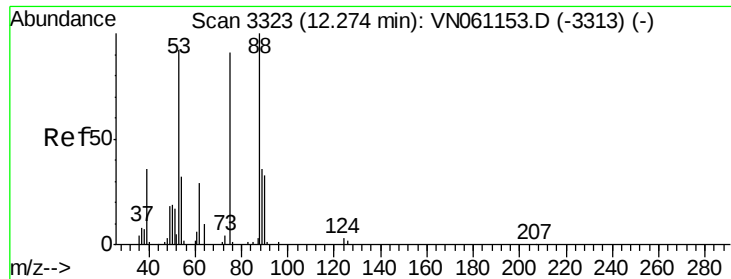
77 0.7 0.0 0.0#



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: 73.414 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061299.D

Acq: 5 May 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 46196

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#

