

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061318.D
 Acq On : 6 May 2020 18:32
 Operator : JC/MD
 Sample : L2513-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 03:13:10 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	105535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	194229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	188838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	85952	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	88610	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
35) Dibromofluoromethane	7.55	113	47367	41.24	ug/l	0.00
Spiked Amount			Recovery	=	82.48%	
50) Toluene-d8	10.06	98	244974	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.38	95	96220	54.61	ug/l	0.00
Spiked Amount			Recovery	=	109.22%	

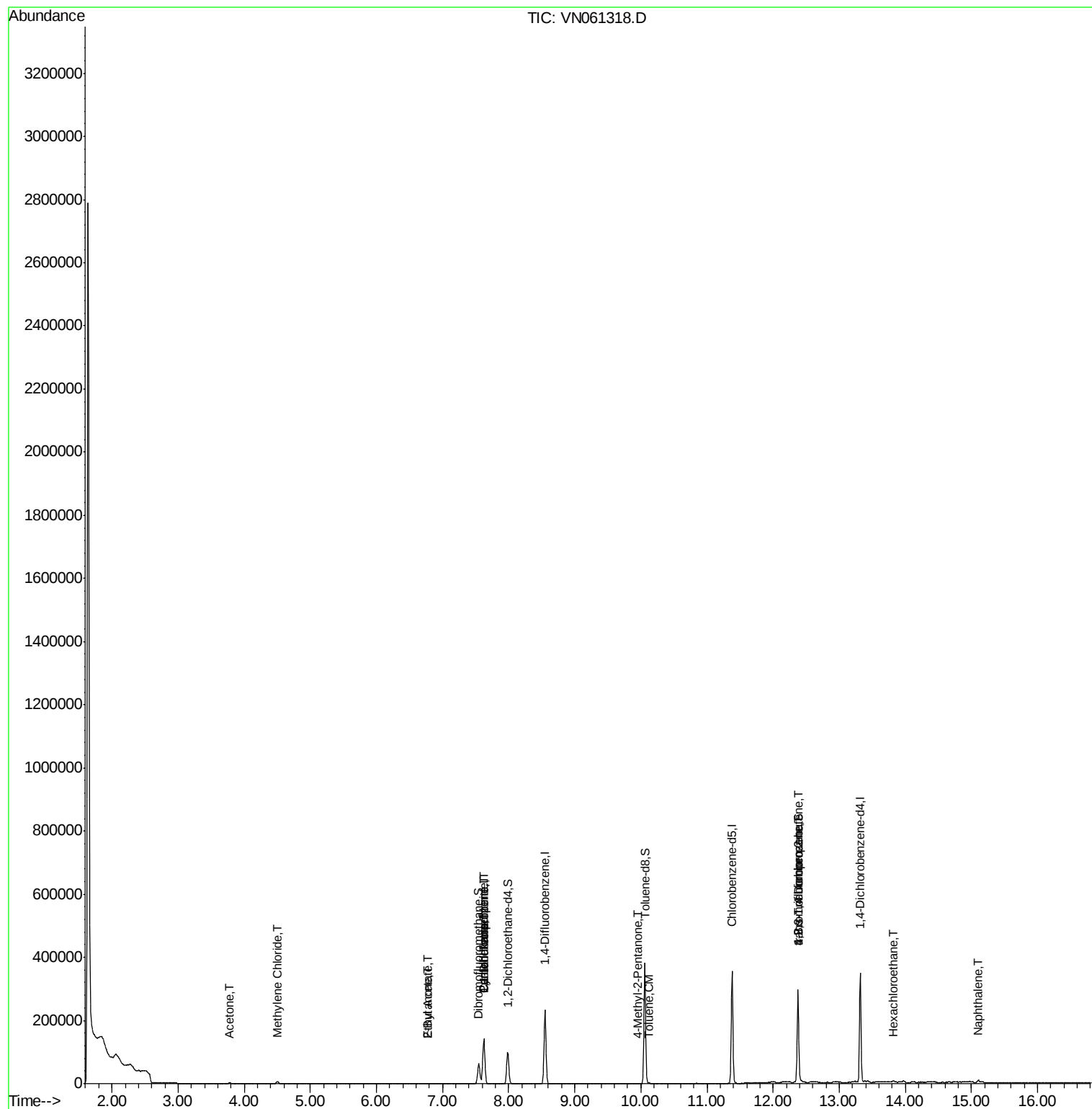
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	4993	2.256	ug/l #	89
20) Methylene Chloride	4.50	84	4190	3.218	ug/l	93
25) 2-Butanone	6.79	43	885	0.896	ug/l #	53
31) Cyclohexane	7.63	56	2940	1.210	ug/l #	33
36) 1,1-Dichloropropene	7.63	75	9886	5.085	ug/l #	50
37) Ethyl Acetate	6.79	43	885	0.388	ug/l #	71
38) Carbon Tetrachloride	7.62	117	11873	8.673	ug/l #	17
51) 4-Methyl-2-Pentanone	9.95	43	1003	0.450	ug/l #	53
52) Toluene	10.12	92	814	0.233	ug/l #	73
76) 1,2,3-Trichloropropane	12.38	75	54021	29.811	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54021	75.705	ug/l #	8
90) Hexachloroethane	13.82	117	91	7.762	ug/l #	14
95) Naphthalene	15.11	128	6624	1.297	ug/l #	93

(#) = 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: VN061318.D

Acq: 6 May 2020 18:32

Instrument :

MSVOA_N

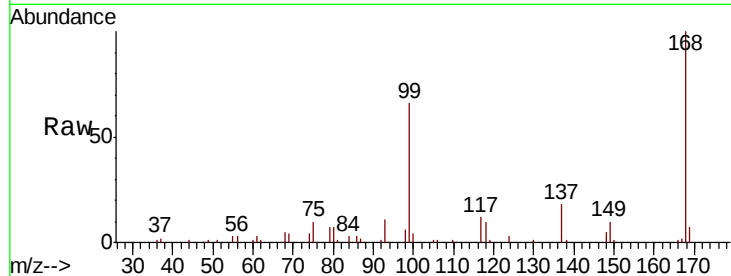
ClientSampleId :

Tot Ion:168 Resp: 105535

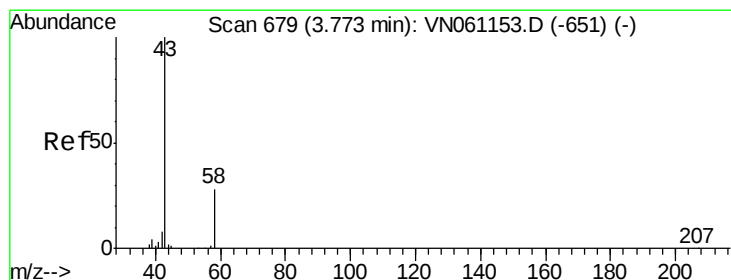
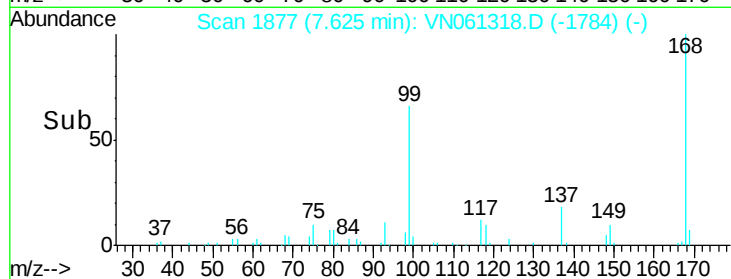
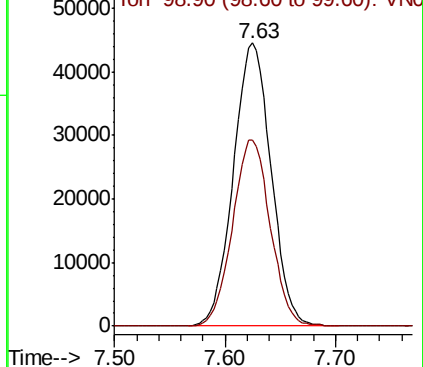
Ion Ratio Lower Upper

168 100

99 65.6 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): VN061318.D (-1784) (-)



#16

Acetone

Concen: 2.256 ug/l

RT: 3.78 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN061318.D

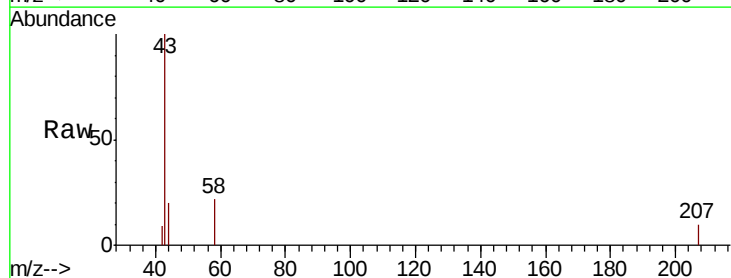
Acq: 6 May 2020 18:32

Tgt Ion: 43 Resp: 4993

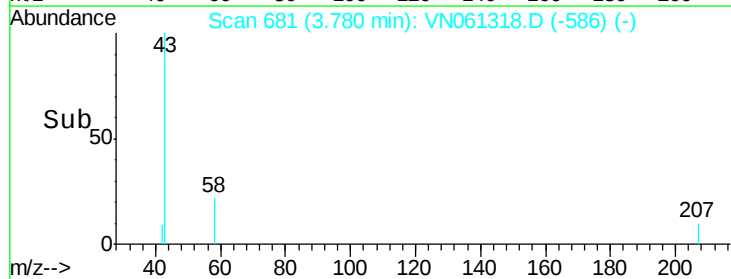
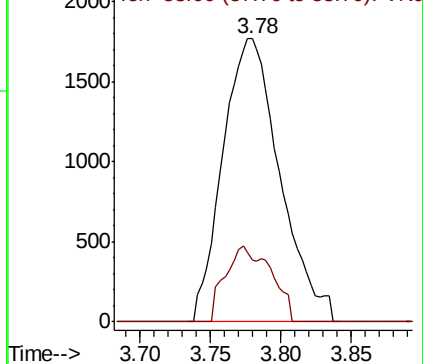
Ion Ratio Lower Upper

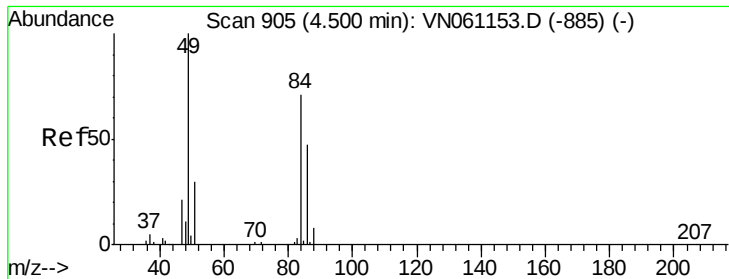
43 100

58 21.7 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VN061318.D (-586) (-)

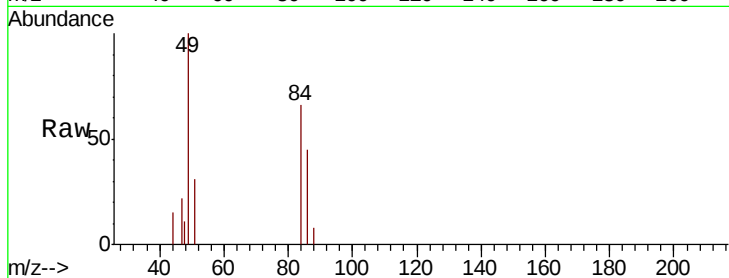




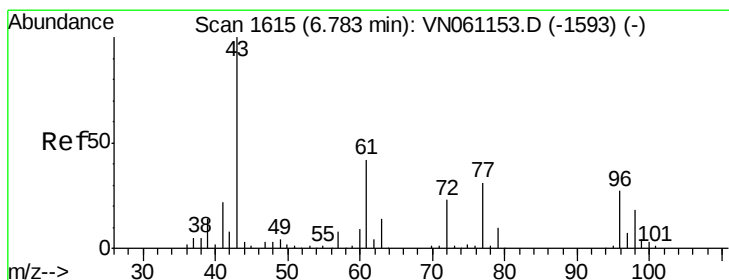
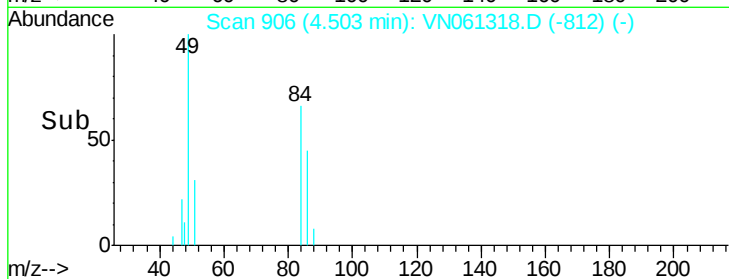
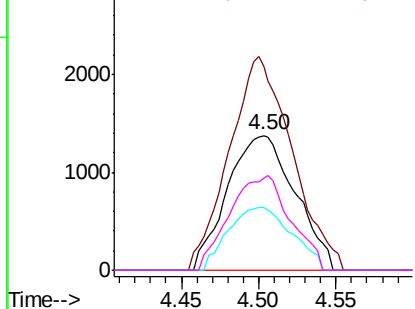
#20
Methvlene Chloride
Concen: 3.218 ug/l
RT: 4.50 min Scan# 906
Delta R.T. 0.00 min
Lab File: VN061318.D
Acq: 6 May 2020 18:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 4190
Ion Ratio Lower Upper
84 100
49 151.2 112.0 168.0
51 46.3 33.6 50.4
86 67.9 52.1 78.1

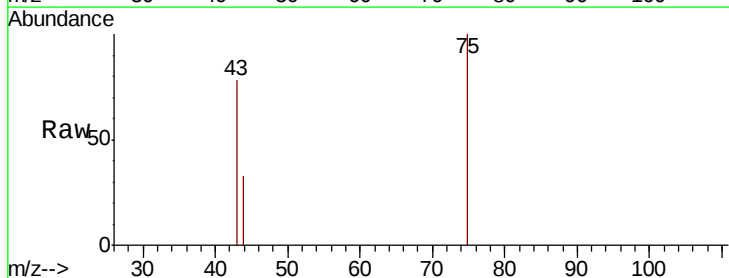


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

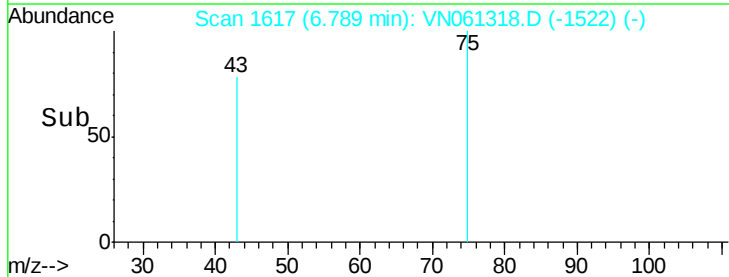
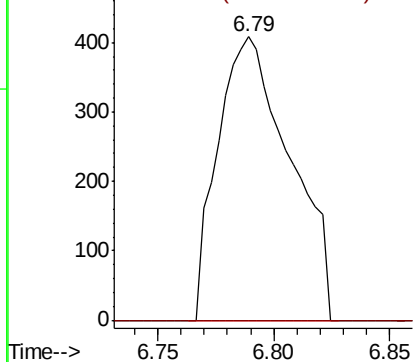


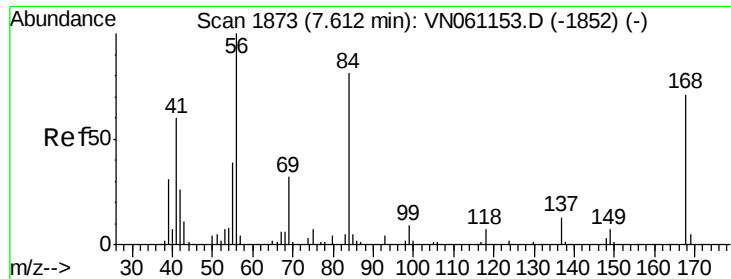
#25
2-Butanone
Concen: 0.896 ug/l
RT: 6.79 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VN061318.D
Acq: 6 May 2020 18:32

Tgt Ion: 43 Resp: 885
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC

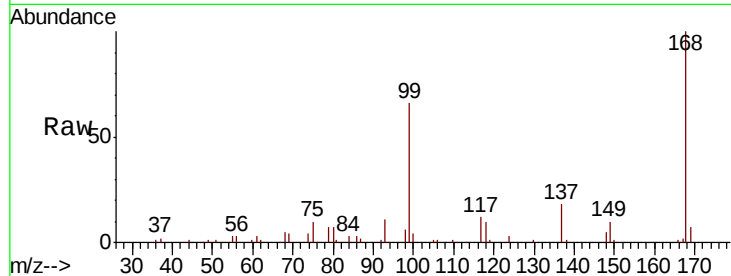




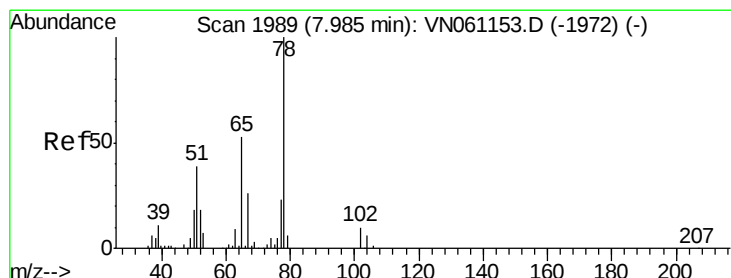
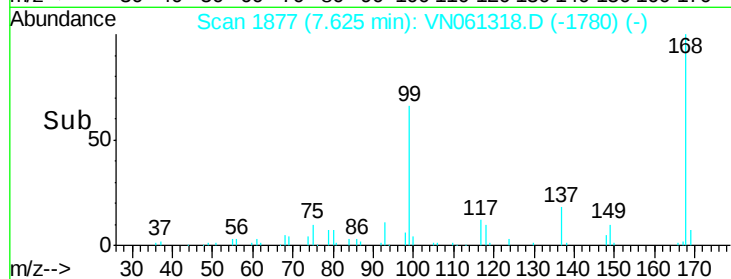
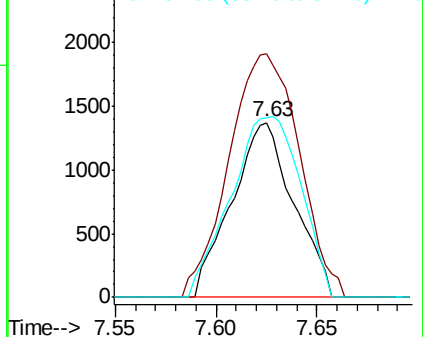
#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VN061318.D
Acq: 6 May 2020 18:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2940
Ion Ratio Lower Upper
56 100
69 128.3 25.7 38.5#
84 103.1 64.6 97.0#

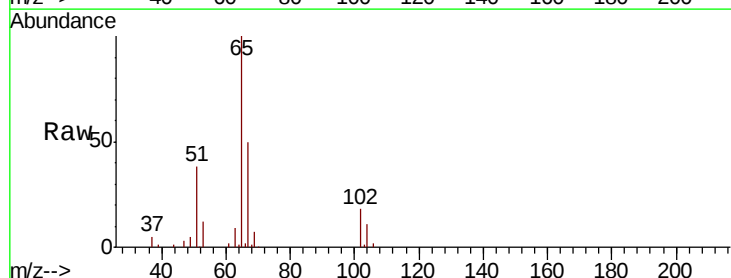


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

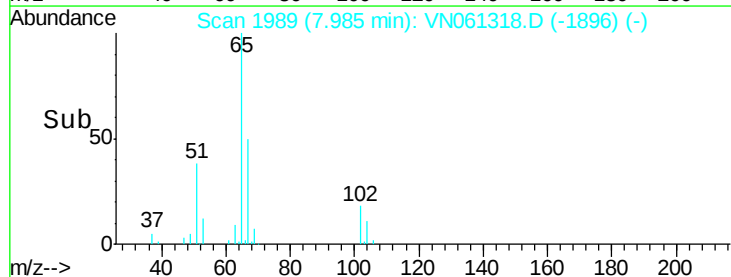
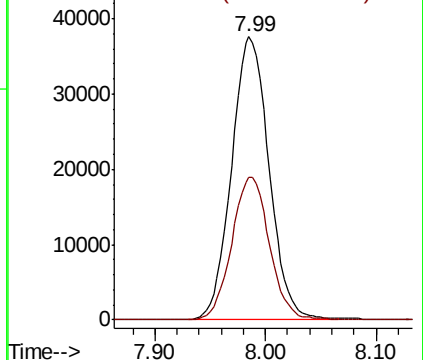


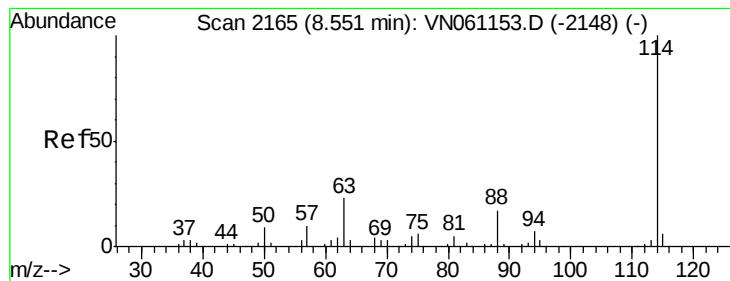
#33
1,2-Dichloroethane-d4
Concen: 53.063 ug/l
RT: 7.99 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN061318.D
Acq: 6 May 2020 18:32

Tgt Ion: 65 Resp: 88610
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.6



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# 2164

Delta R.T. -0.00 min

Lab File: VN061318.D

Acq: 6 May 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

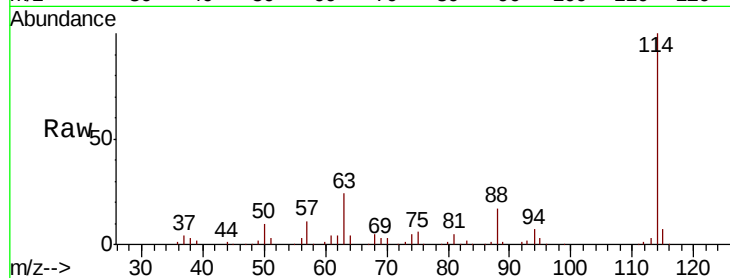
Tot Ion:114 Resp: 194229

Ion Ratio Lower Upper

114 100

63 24.2 0.0 46.6

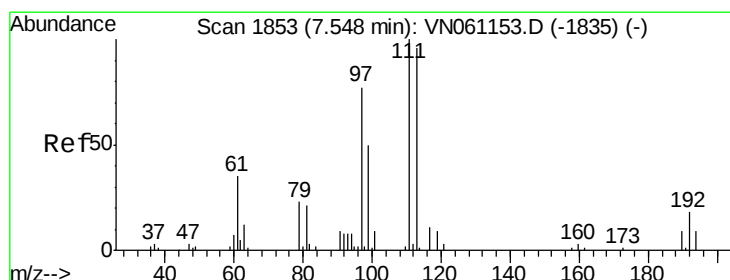
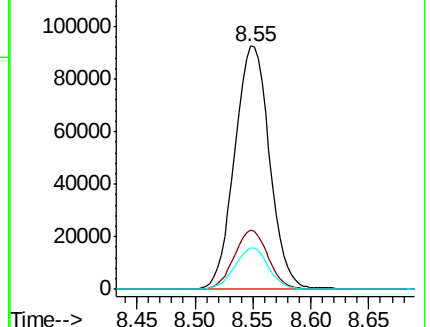
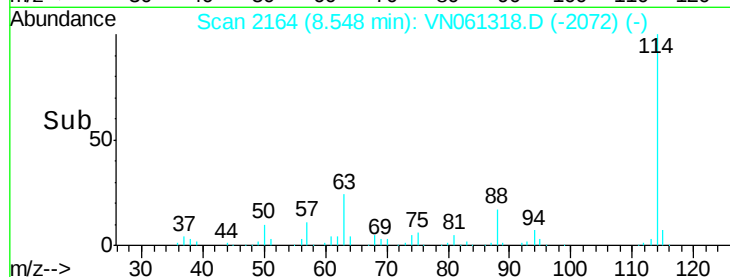
88 16.9 0.0 33.4



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: 41.242 ug/l

RT: 7.55 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061318.D

Acq: 6 May 2020 18:32

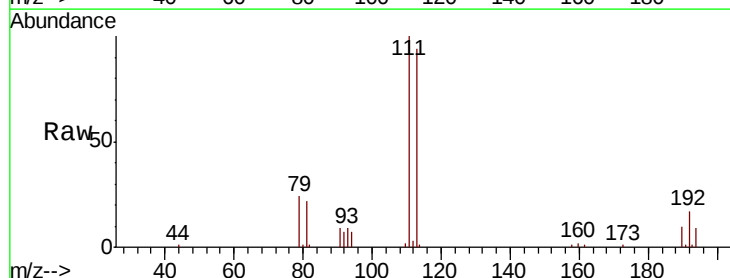
Tgt Ion:113 Resp: 47367

Ion Ratio Lower Upper

113 100

111 103.9 82.9 124.3

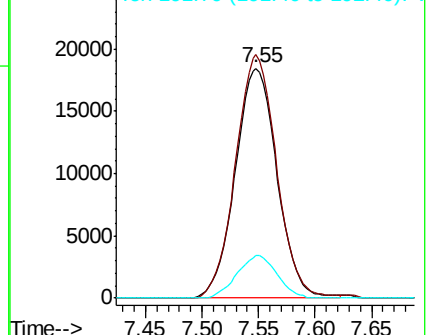
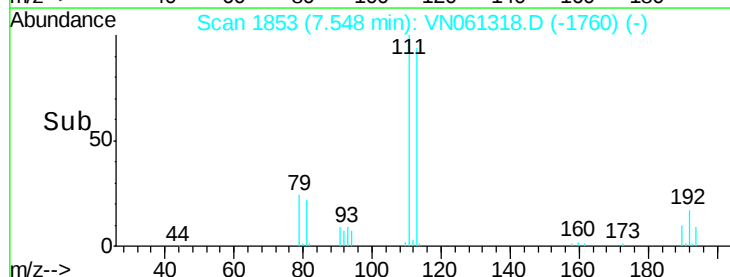
192 17.7 14.7 22.1

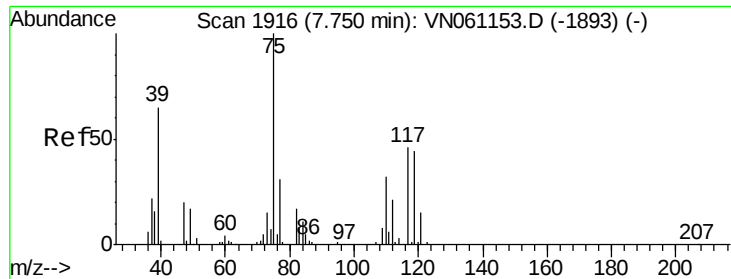


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

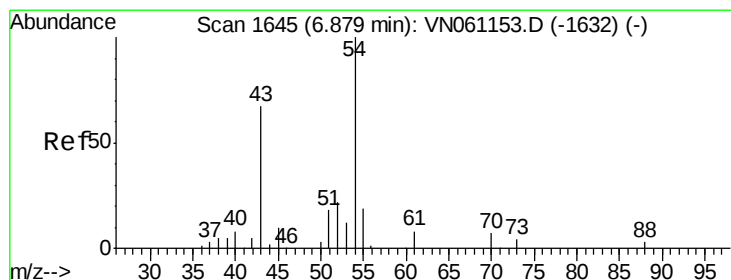
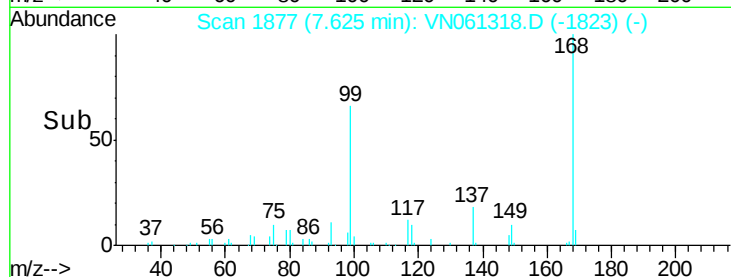
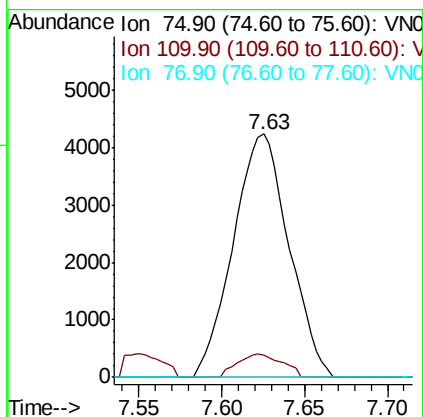
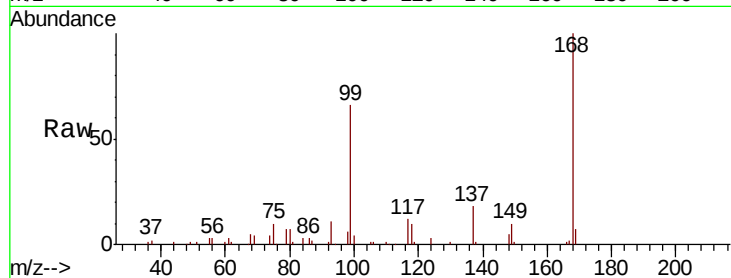




#36
 1,1-Dichloropropene
 Concen: 5.085 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061318.D
 Acq: 6 May 2020 18:32

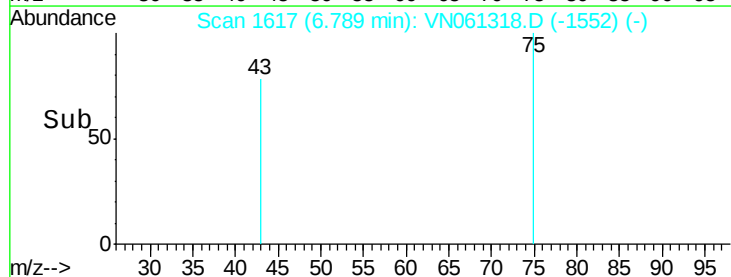
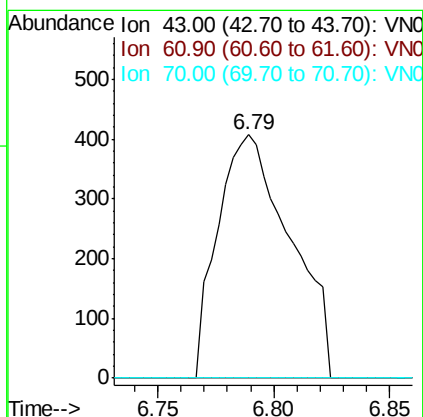
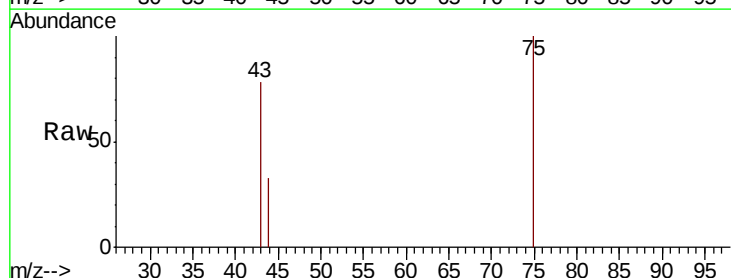
Instrument :
 MSVOA_N
 ClientSampled :

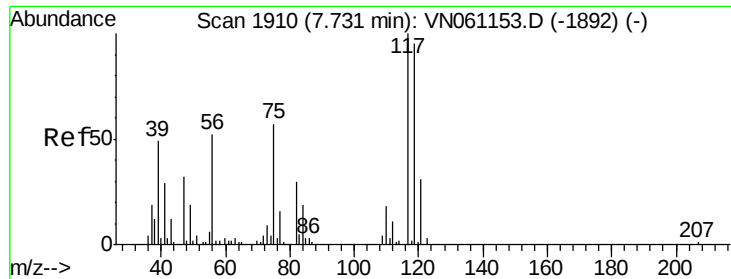
Tot Ion: 75 Resp: 9886
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.0 48.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 0.388 ug/l
 RT: 6.79 min Scan# 1617
 Delta R.T. -0.09 min
 Lab File: VN061318.D
 Acq: 6 May 2020 18:32

Tgt Ion: 43 Resp: 885
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.2#
 70 0.0 7.2 10.8#

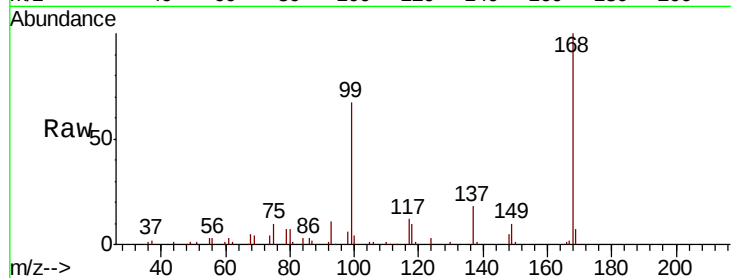




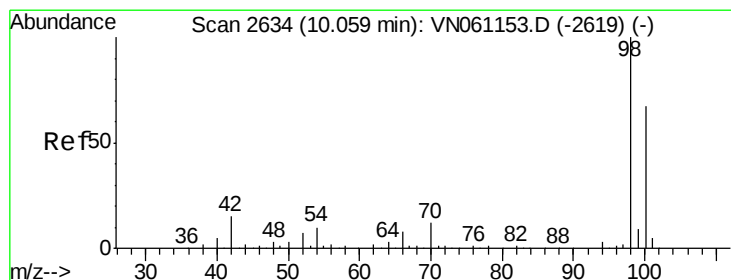
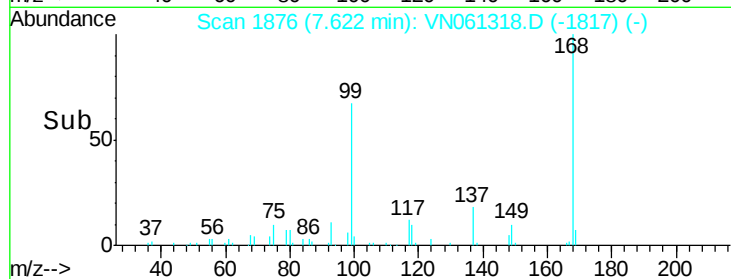
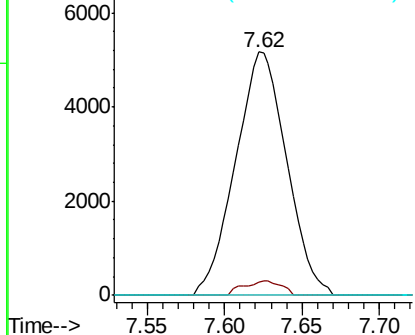
#38
Carbon Tetrachloride
Concen: 8.673 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. -0.11 min
Lab File: VN061318.D
Acq: 6 May 2020 18:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 11873
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.6#
121 0.0 24.7 37.1#

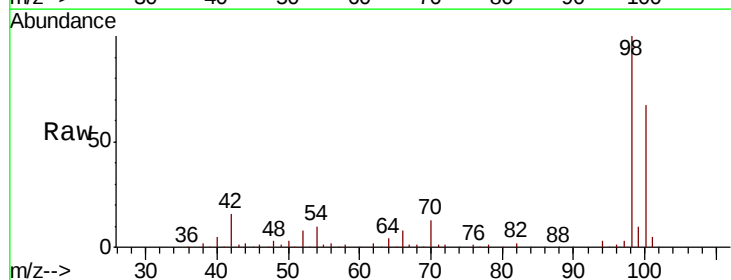


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

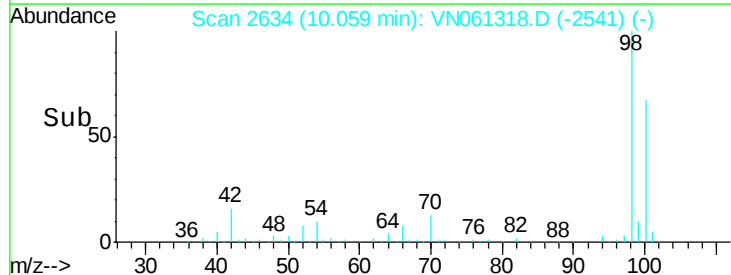
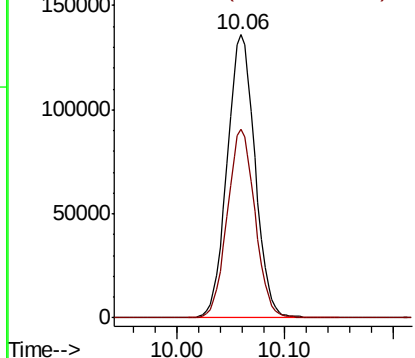


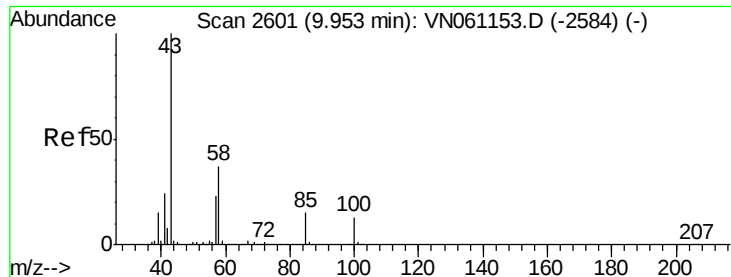
#50
Toluene-d8
Concen: 52.323 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061318.D
Acq: 6 May 2020 18:32

Tgt Ion: 98 Resp: 244974
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



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





#51

4-Methyl-2-Pentanone

Concen: 0.450 ug/l

RT: 9.95 min Scan# 2600

Delta R.T. -0.00 min

Lab File: VN061318.D

Acq: 6 May 2020 18:32

Instrument :

MSVOA_N

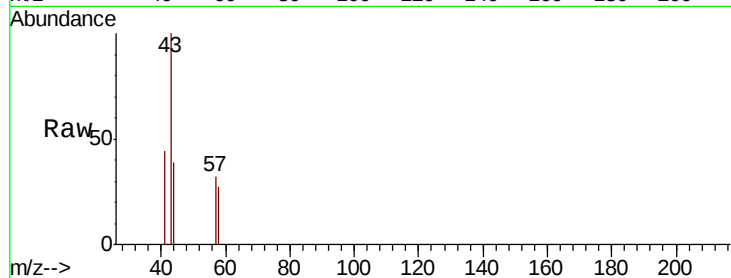
ClientSampled :

Tot Ion: 43 Resp: 1003

Ion Ratio Lower Upper

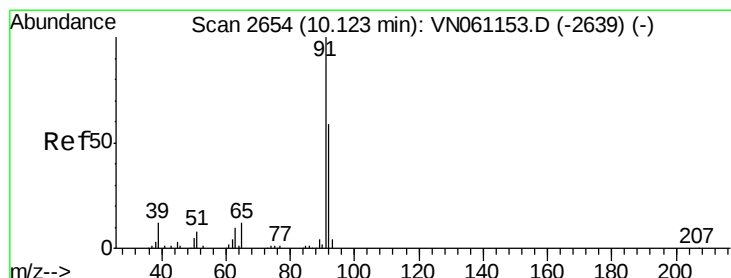
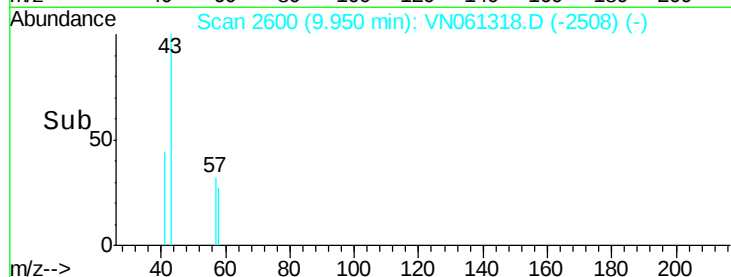
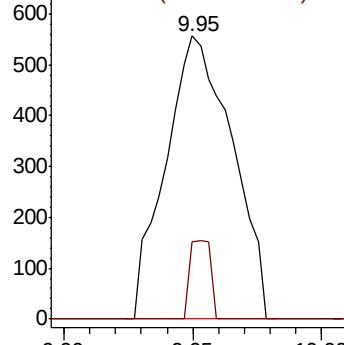
43 100

58 8.9 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.233 ug/l

RT: 10.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VN061318.D

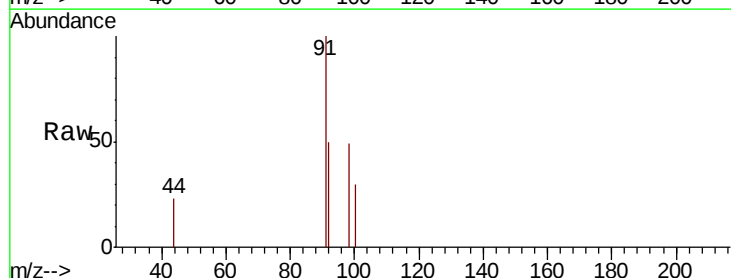
Acq: 6 May 2020 18:32

Tgt Ion: 92 Resp: 814

Ion Ratio Lower Upper

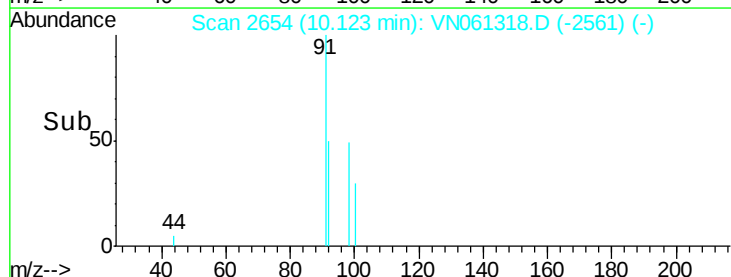
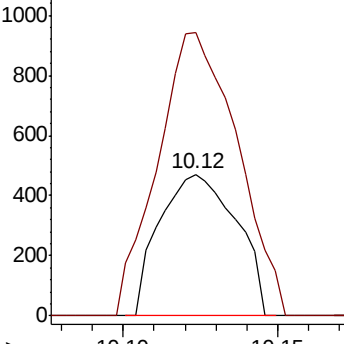
92 100

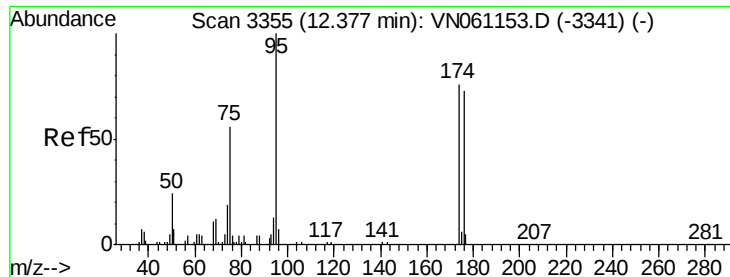
91 207.4 136.2 204.2#



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#62

4-Bromofluorobenzene

Concen: 54.611 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061318.D

Acq: 6 May 2020 18:32

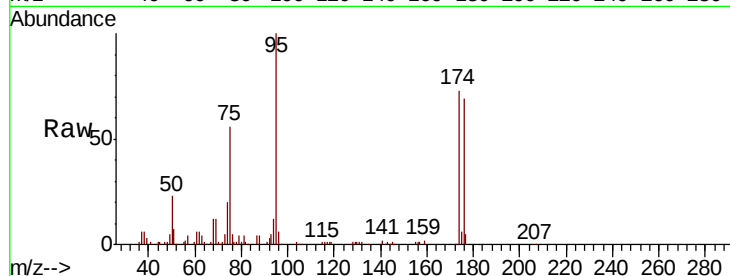
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 95 Resp: 96220

Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	149.4
176	67.9	0.0	144.8

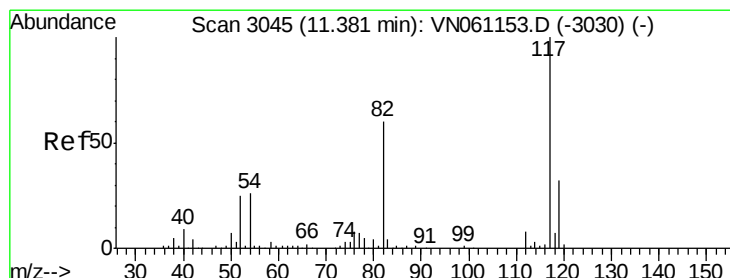
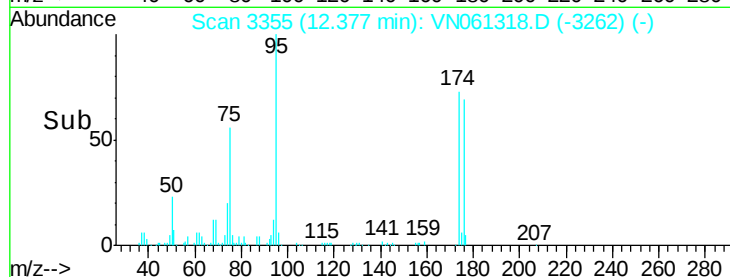
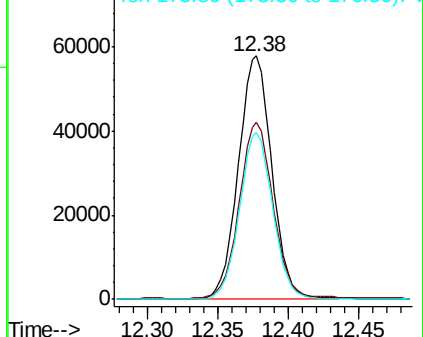


Abundance

Ion 94.90 (94.60 to 95.60): VN061153.D (-3341) (-)

Ion 173.80 (173.50 to 174.50): VN061153.D (-3341) (-)

Ion 175.80 (175.50 to 176.50): VN061153.D (-3341) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

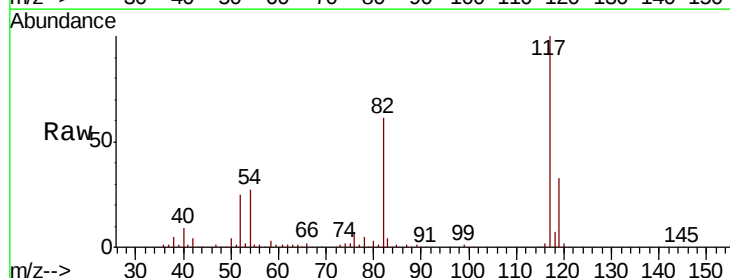
Delta R.T. 0.00 min

Lab File: VN061318.D

Acq: 6 May 2020 18:32

Tgt Ion: 117 Resp: 188838

Ion	Ratio	Lower	Upper
117	100		
82	61.1	47.8	71.8
119	32.7	25.8	38.6

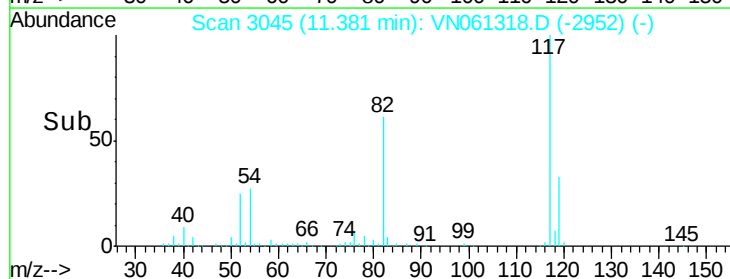
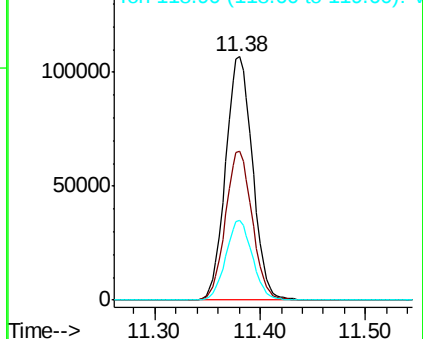


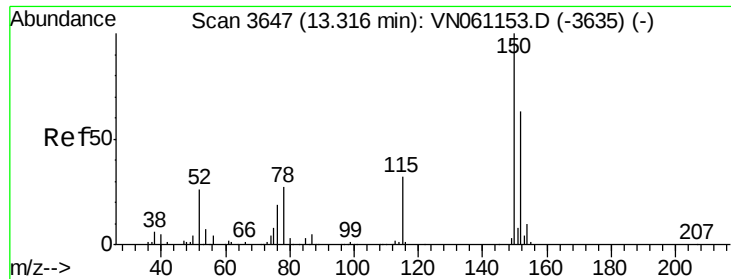
Abundance

Ion 116.90 (116.60 to 117.60): VN061153.D (-3030) (-)

Ion 82.00 (81.70 to 82.70): VN061153.D (-3030) (-)

Ion 118.90 (118.60 to 119.60): VN061153.D (-3030) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061318.D

Acq: 6 May 2020 18:32

Instrument :

MSVOA_N

ClientSampled :

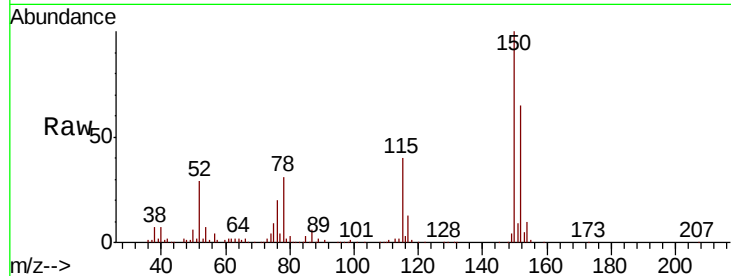
Tot Ion:152 Resp: 85952

Ion Ratio Lower Upper

152 100

115 60.9 31.0 93.0

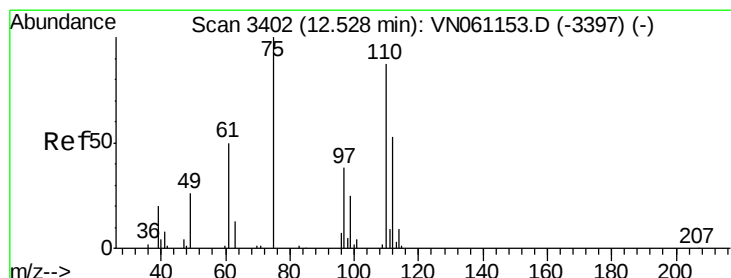
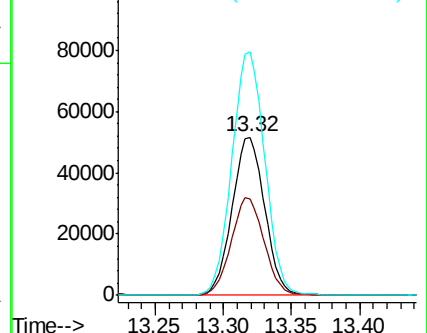
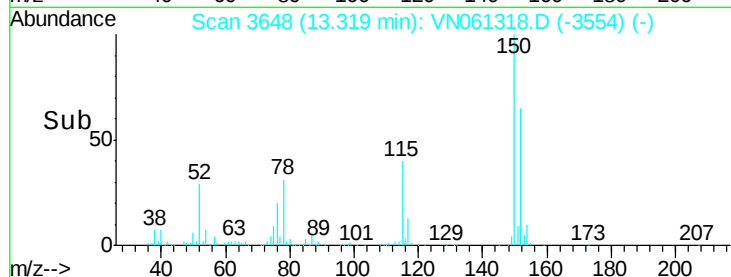
150 155.3 0.0 351.8



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: 29.811 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061318.D

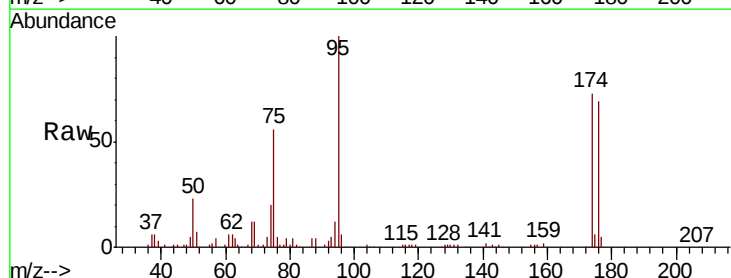
Acq: 6 May 2020 18:32

Tgt Ion: 75 Resp: 54021

Ion Ratio Lower Upper

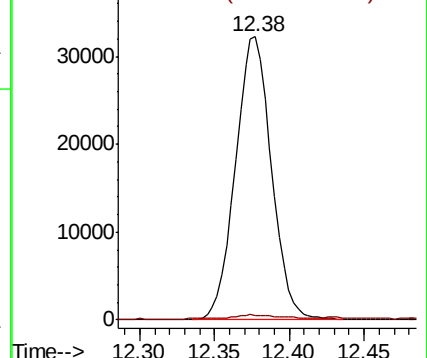
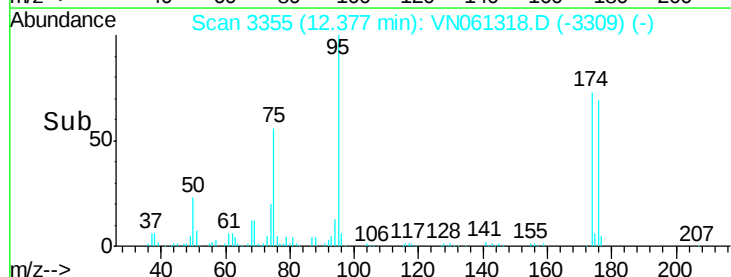
75 100

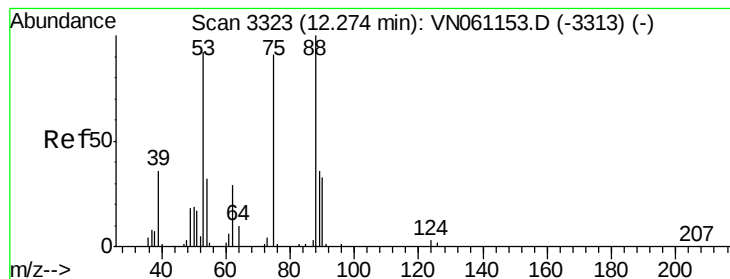
77 2.0 0.0 0.0#



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: 75.705 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061318.D

Acq: 6 May 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

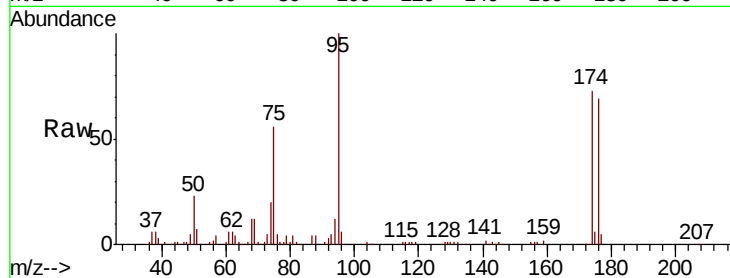
Tot Ion: 75 Resp: 54021

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#

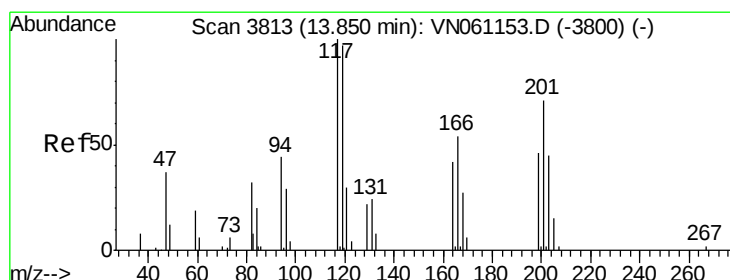
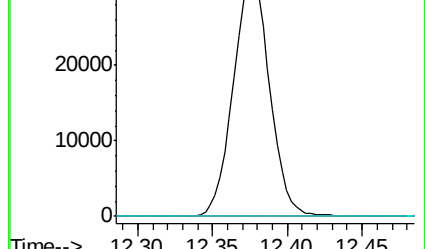
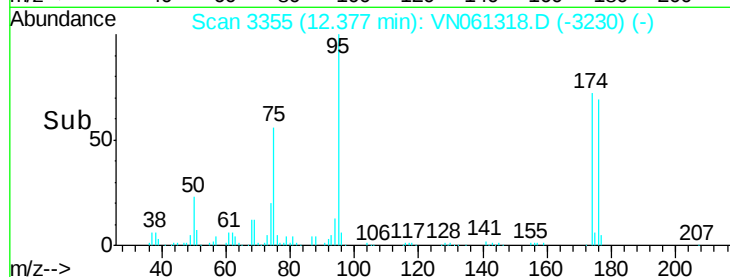


Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3313) (-)

Ion 53.00 (52.70 to 53.70): VN061153.D (-3313) (-)

Ion 88.90 (88.60 to 89.60): VN061153.D (-3313) (-)

Time-->



#90

Hexachloroethane

Concen: 7.762 ug/l

RT: 13.82 min Scan# 3804

Delta R.T. -0.03 min

Lab File: VN061318.D

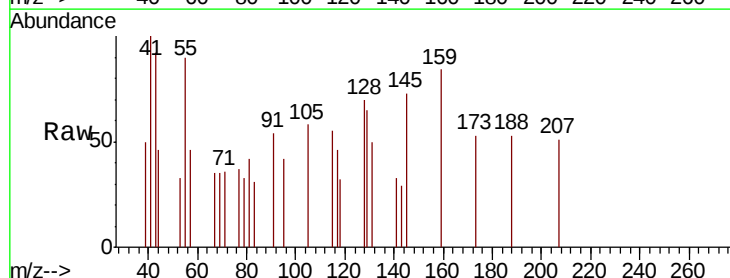
Acq: 6 May 2020 18:32

Tgt Ion: 117 Resp: 91

Ion Ratio Lower Upper

117 100

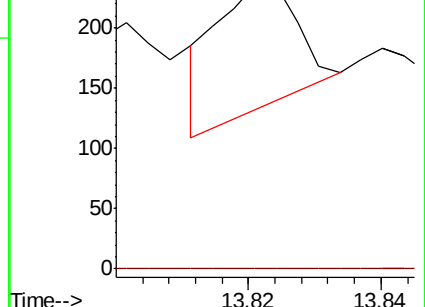
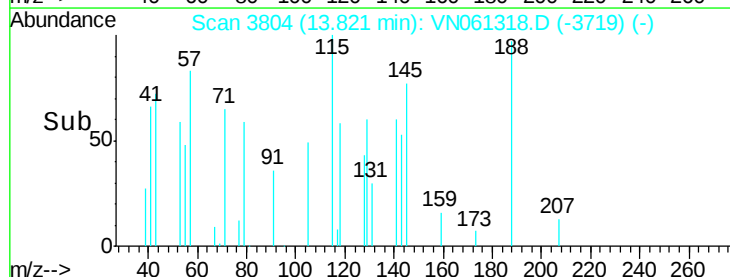
201 0.0 35.5 106.7#

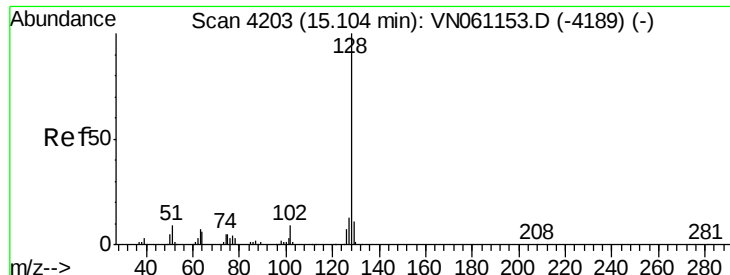


Abundance Ion 116.80 (116.50 to 117.50): VN061153.D (-3800) (-)

Ion 200.70 (200.40 to 201.40): VN061153.D (-3800) (-)

Time-->





#95
Naphthalene
Concen: 1.297 ug/l
RT: 15.11 min Scan# 4204
Delta R.T. 0.00 min
Lab File: VN061318.D
Acq: 6 May 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 6624
Ion Ratio Lower Upper
128 100
127 11.9 10.4 15.6
129 15.7 8.7 13.1#

