

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050520\
 Data File : VN061292.D
 Acq On : 5 May 2020 15:18
 Operator : JC/MD
 Sample : L2462-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 03:48:23 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	102340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	184730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	174776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	76628	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	83638	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
35) Dibromofluoromethane	7.55	113	54202	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
50) Toluene-d8	10.06	98	226884	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.38	95	85171	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	

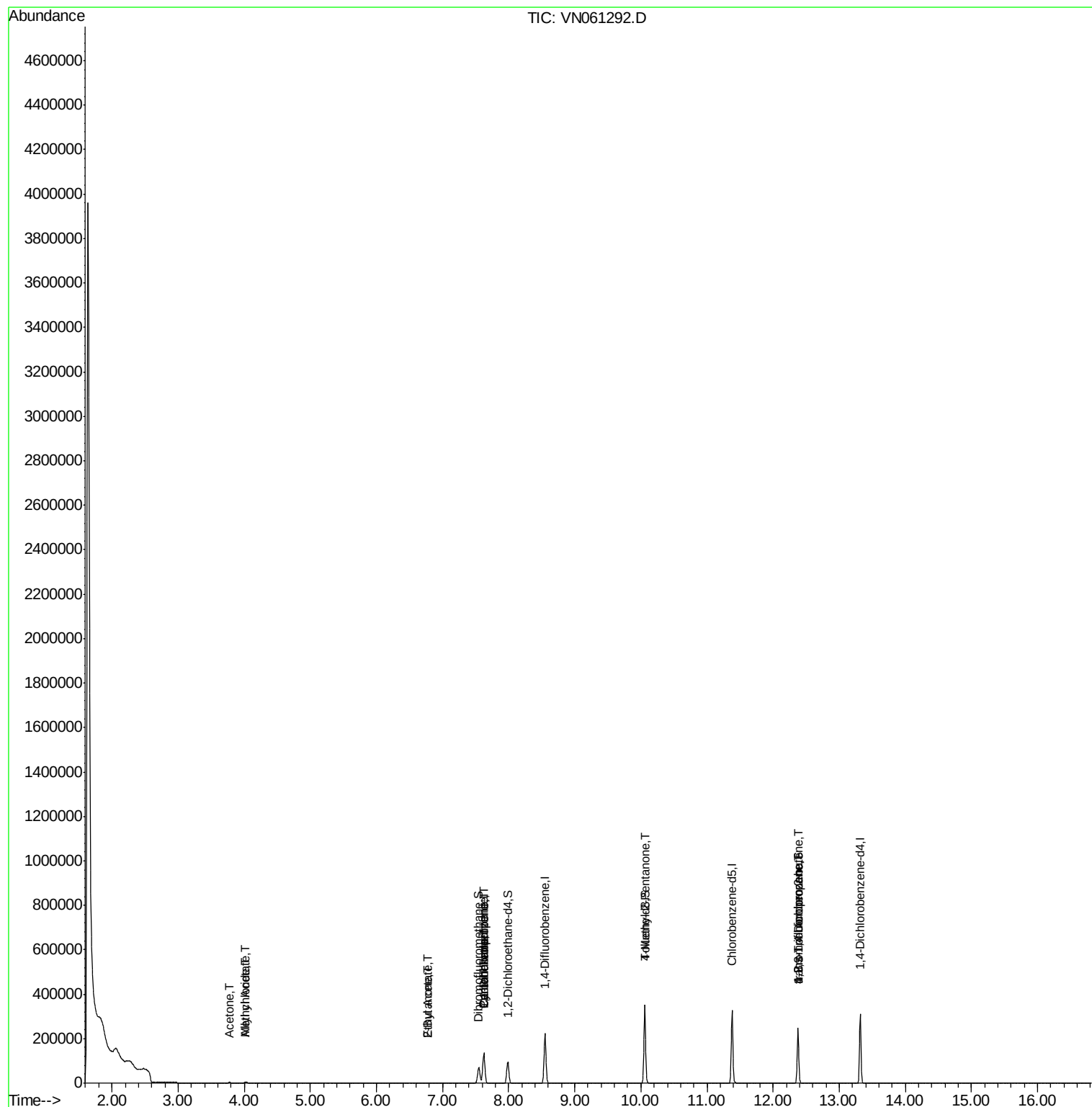
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.02	41	793	0.396	ug/l #	73
16) Acetone	3.77	43	6279	4.603	ug/l	95
18) Methyl Acetate	4.02	43	2361	1.818	ug/l #	55
25) 2-Butanone	6.78	43	587	0.613	ug/l #	53
31) Cyclohexane	7.63	56	2798	1.188	ug/l #	21
36) 1,1-Dichloropropene	7.63	75	9623	5.204	ug/l #	48
37) Ethyl Acetate	6.78	43	587	0.271	ug/l #	71
38) Carbon Tetrachloride	7.63	117	10974	8.493	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1280	0.604	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	46911	29.038	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	46911	73.741	ug/l #	8

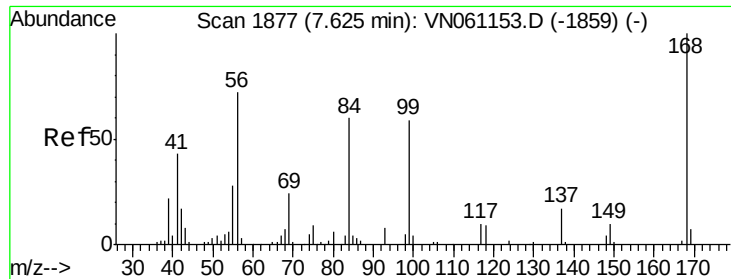
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061292.D

Acq: 5 May 2020 15:18

Instrument :

MSVOA_N

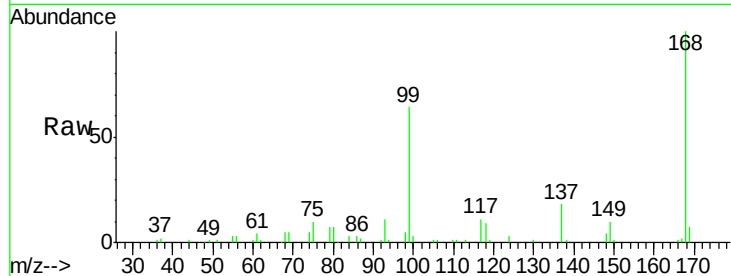
ClientSampleId :

Tot Ion:168 Resp: 102340

Ion Ratio Lower Upper

168 100

99 63.6 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

40000

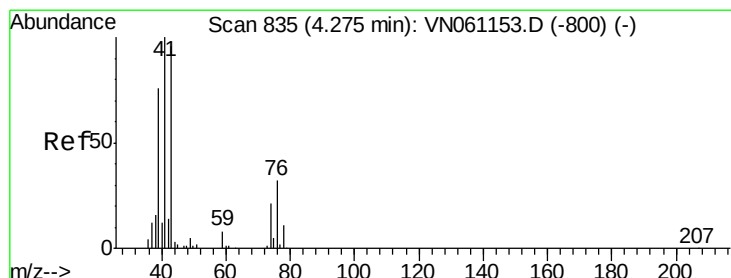
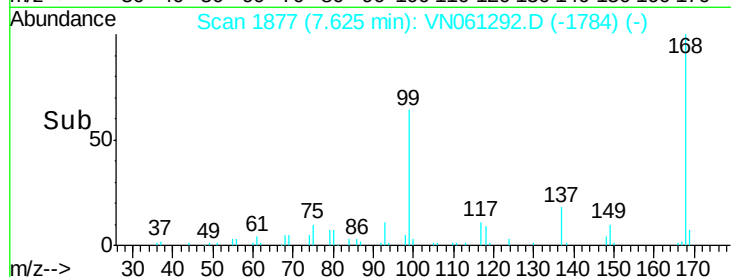
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#14

Allyl chloride

Concen: 0.396 ug/l

RT: 4.02 min Scan# 756

Delta R.T. -0.25 min

Lab File: VN061292.D

Acq: 5 May 2020 15:18

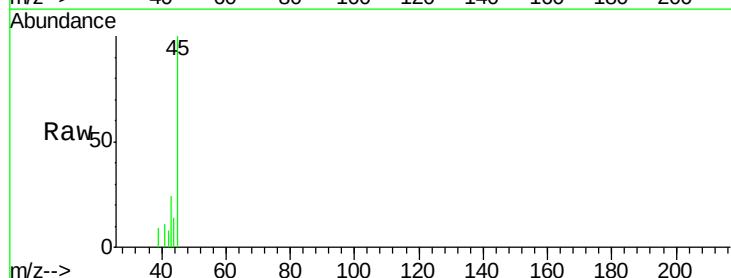
Tgt Ion: 41 Resp: 793

Ion Ratio Lower Upper

41 100

39 89.3 57.1 85.7#

76 8.2 24.3 36.5#



Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

4.02

500

400

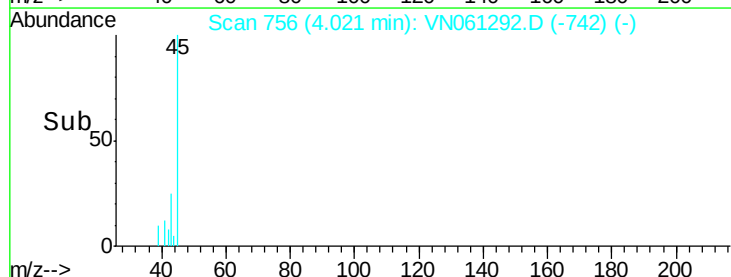
300

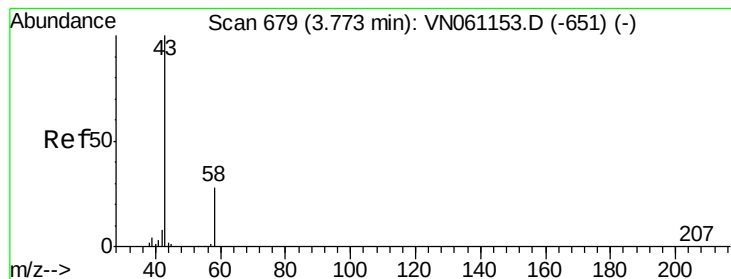
200

100

0

Time--> 4.00 4.05





#16

Acetone

Concen: 4.603 ug/l

RT: 3.77 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN061292.D

Acq: 5 May 2020 15:18

Instrument :

MSVOA_N

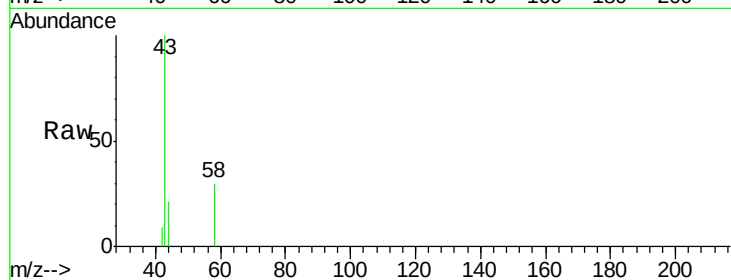
ClientSampled :

Tot Ion: 43 Resp: 6279

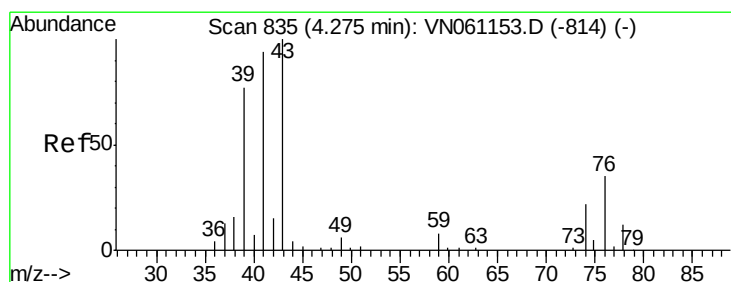
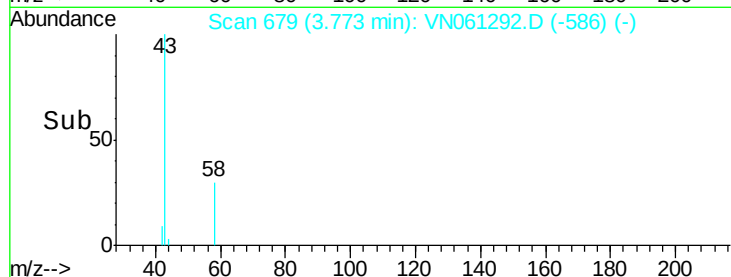
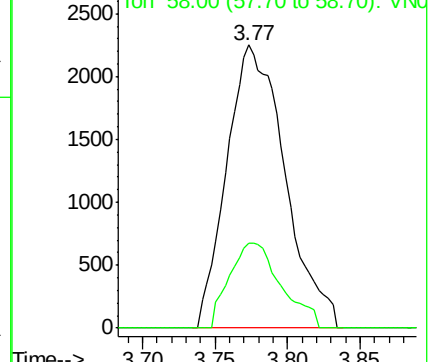
Ion Ratio Lower Upper

43 100

58 30.2 22.2 33.2



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



#18

Methyl Acetate

Concen: 1.818 ug/l

RT: 4.02 min Scan# 756

Delta R.T. -0.25 min

Lab File: VN061292.D

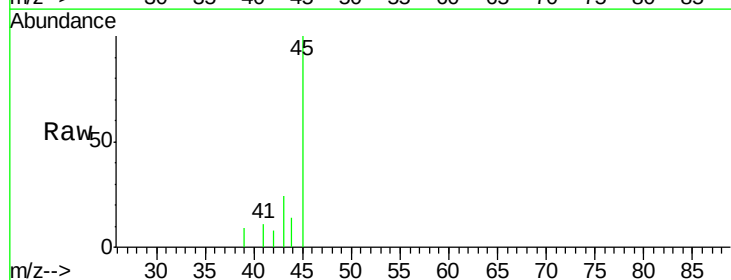
Acq: 5 May 2020 15:18

Tgt Ion: 43 Resp: 2361

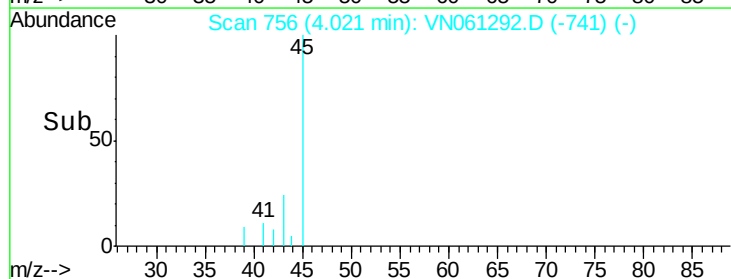
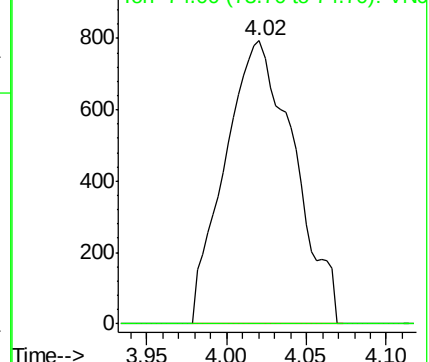
Ion Ratio Lower Upper

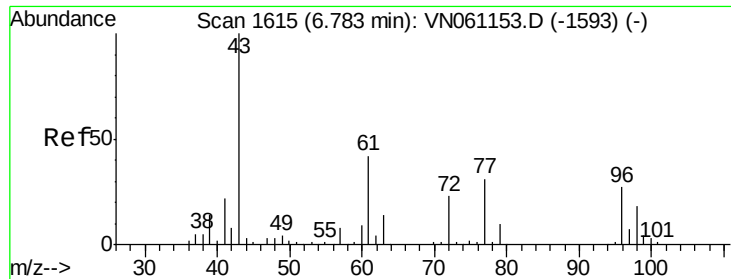
43 100

74 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-814) (-)

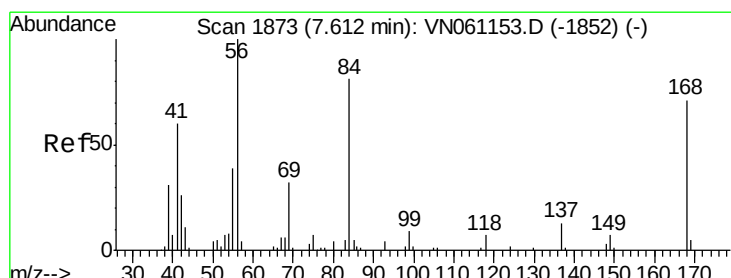
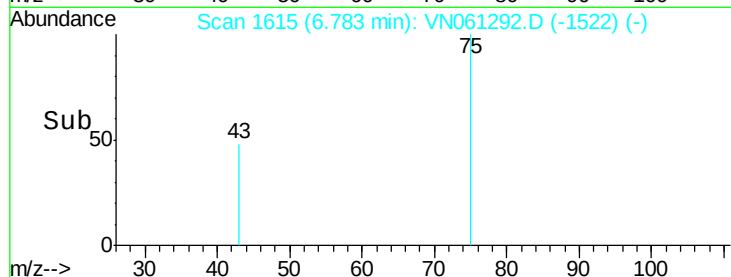
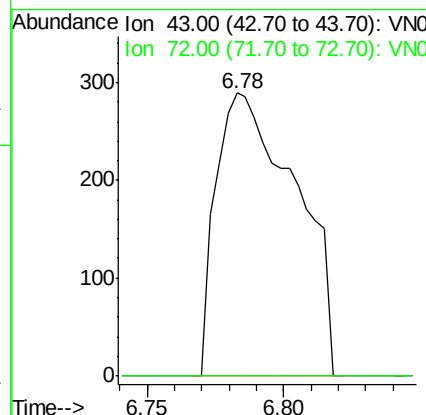
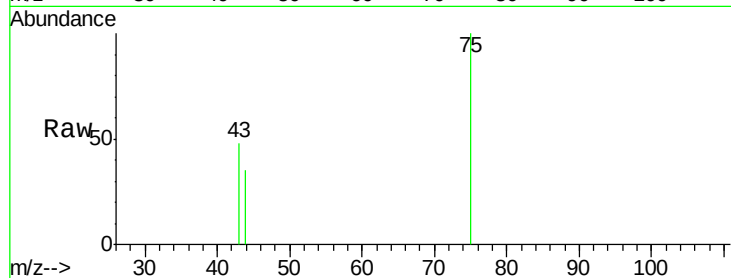




#25
2-Butanone
Concen: 0.613 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VN061292.D
Acq: 5 May 2020 15:18

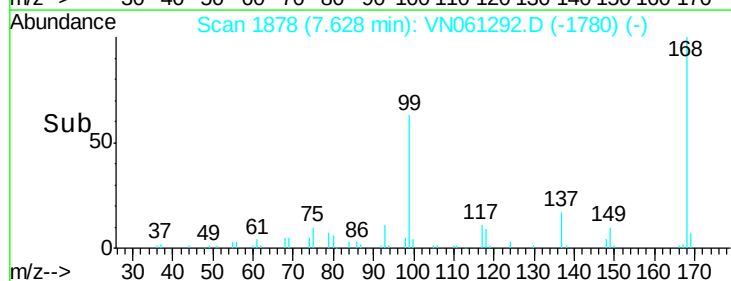
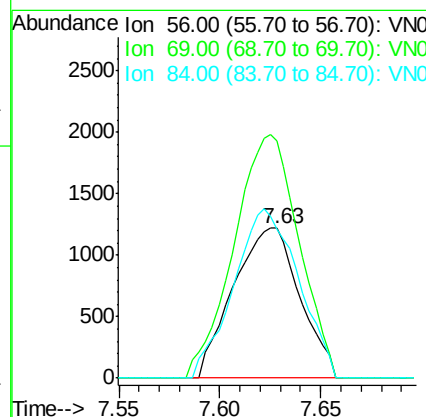
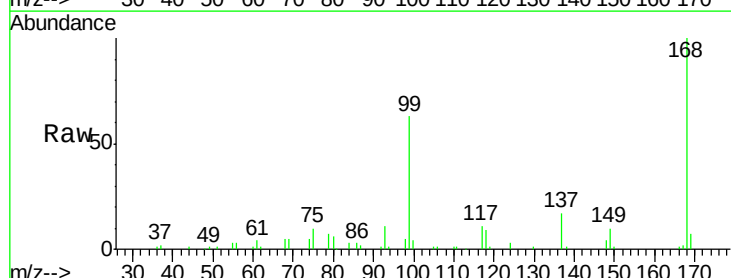
Instrument :
MSVOA_N
ClientSampleId :

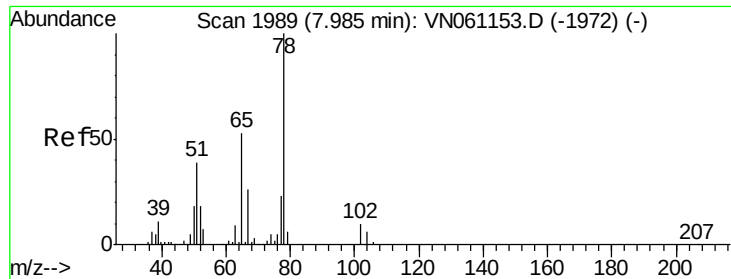
Tot Ion: 43 Resp: 587
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#



#31
Cyclohexane
Concen: 1.188 ug/l
RT: 7.63 min Scan# 1878
Delta R.T. 0.02 min
Lab File: VN061292.D
Acq: 5 May 2020 15:18

Tgt Ion: 56 Resp: 2798
Ion Ratio Lower Upper
56 100
69 158.3 25.7 38.5#
84 99.5 64.6 97.0#

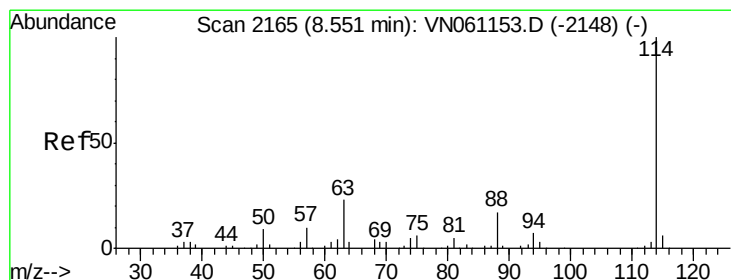
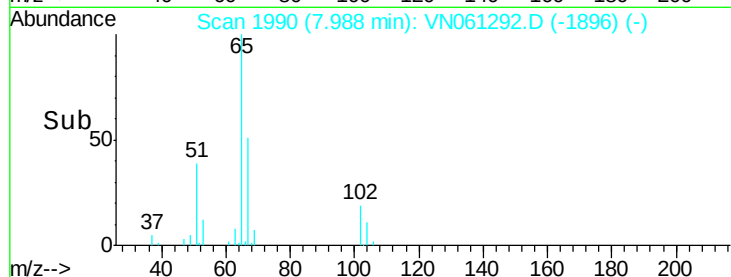
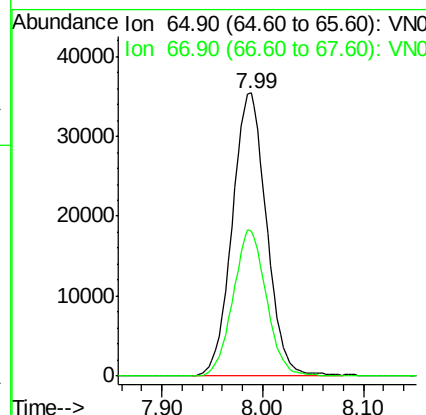
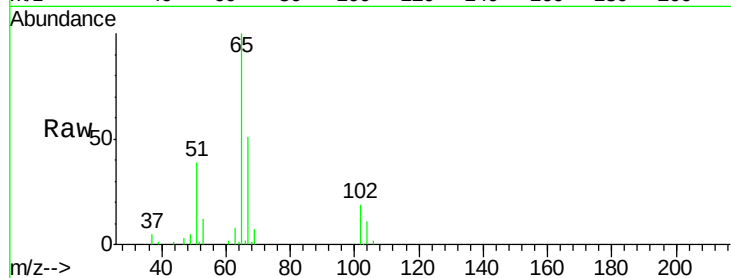




#33
 1,2-Dichloroethane-d4
 Concen: 51.650 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061292.D
 Acq: 5 May 2020 15:18

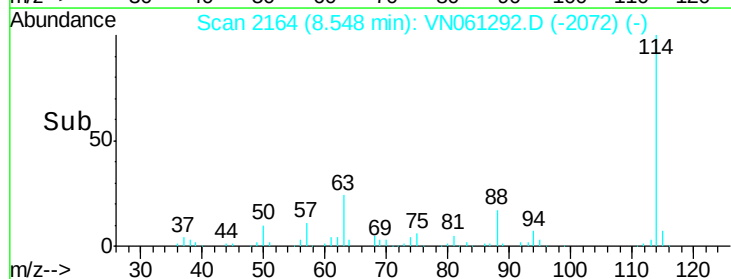
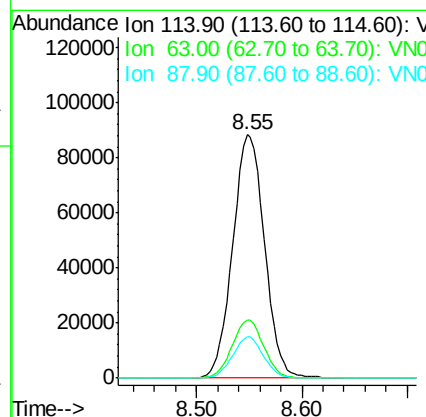
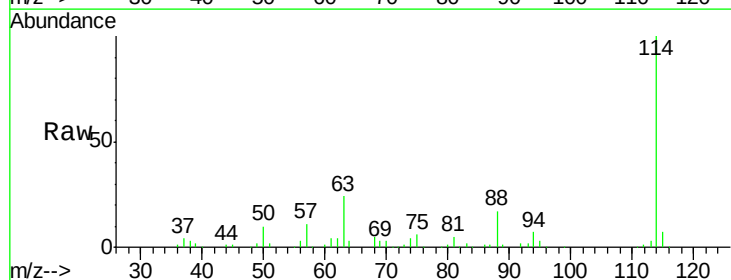
Instrument :
 MSVOA_N
 ClientSampleId :

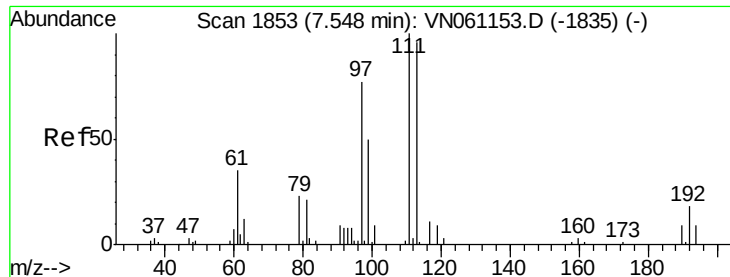
Tot Ion: 65 Resp: 83638
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061292.D
 Acq: 5 May 2020 15:18

Tgt Ion: 114 Resp: 184730
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 46.6
 88 17.1 0.0 33.4

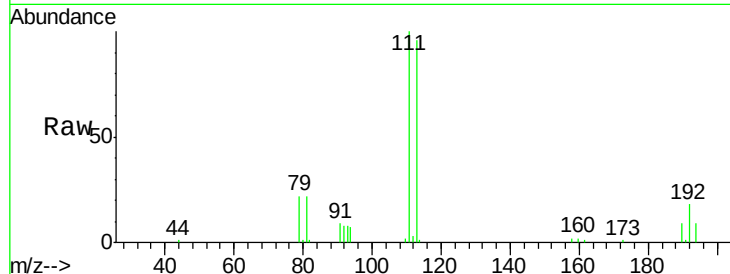




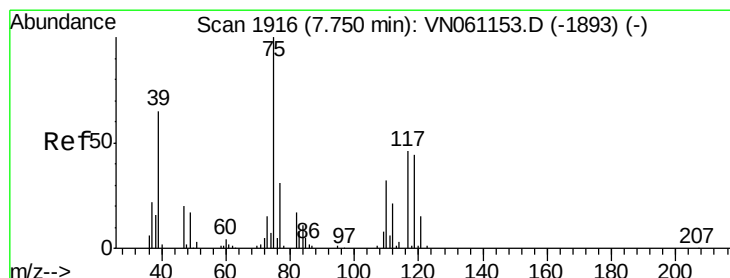
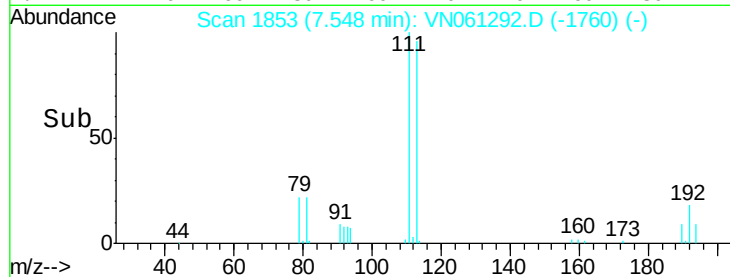
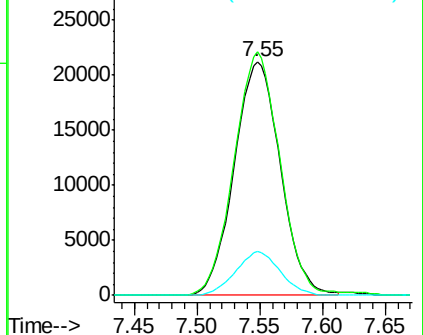
#35
 Dibromofluoromethane
 Concen: 49.620 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061292.D
 Acq: 5 May 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 54202
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.9 124.3
 192 18.0 14.7 22.1

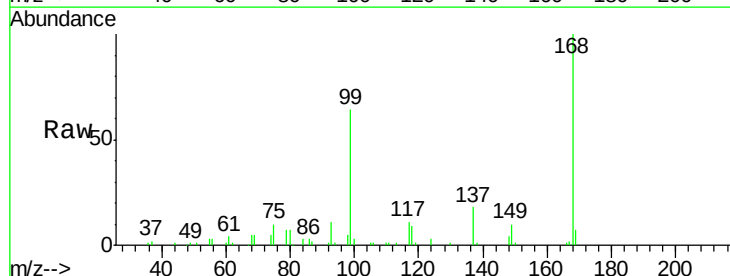


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

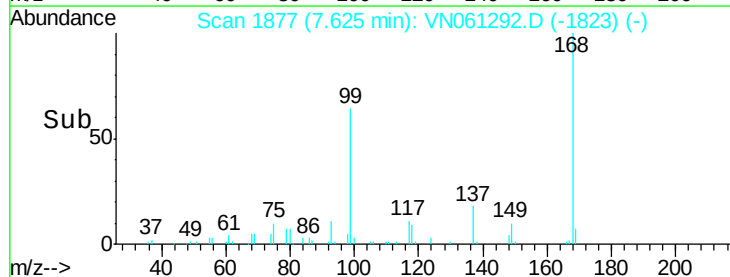
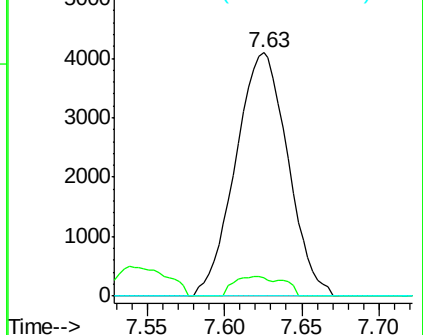


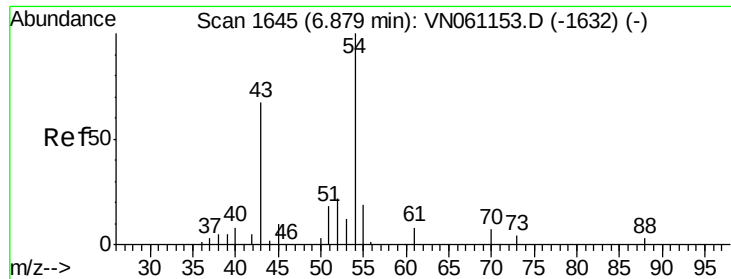
#36
 1,1-Dichloropropene
 Concen: 5.204 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061292.D
 Acq: 5 May 2020 15:18

Tgt Ion: 75 Resp: 9623
 Ion Ratio Lower Upper
 75 100
 110 5.5 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

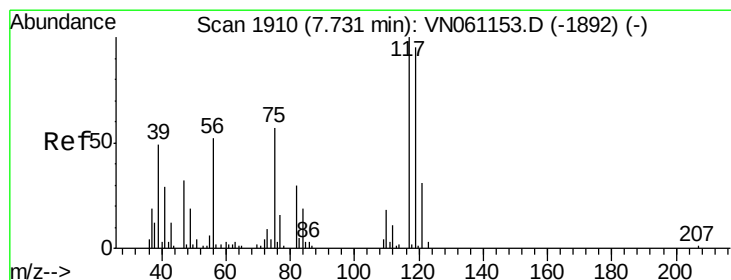
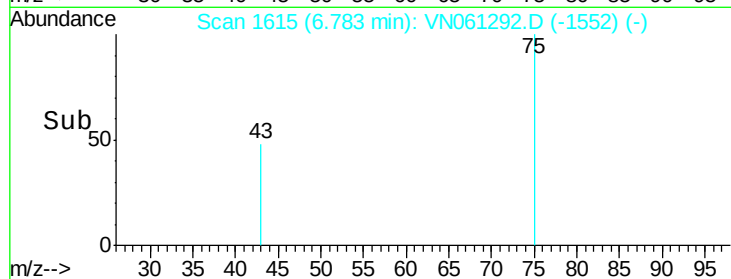
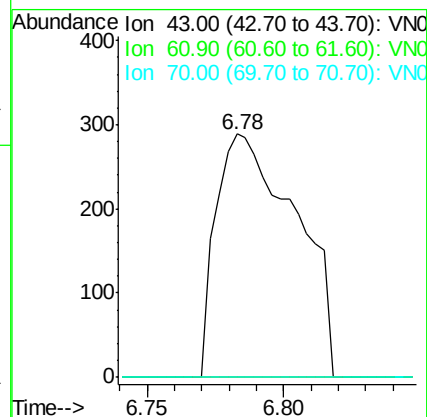
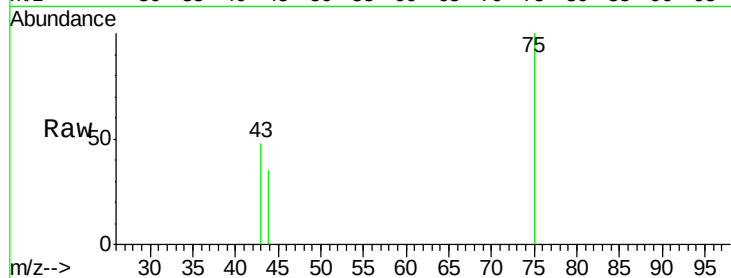




#37
Ethyl Acetate
Concen: 0.271 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. -0.10 min
Lab File: VN061292.D
Acq: 5 May 2020 15:18

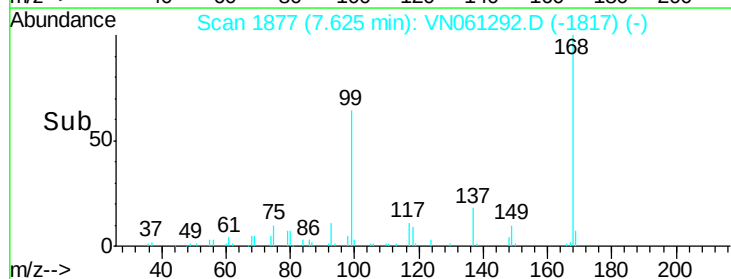
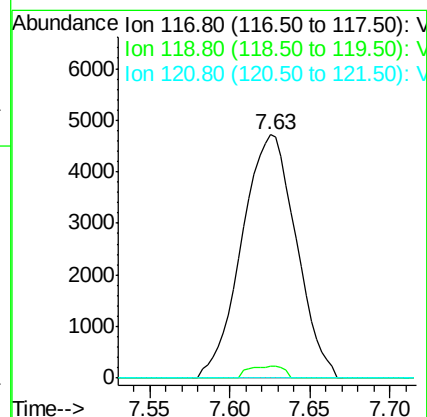
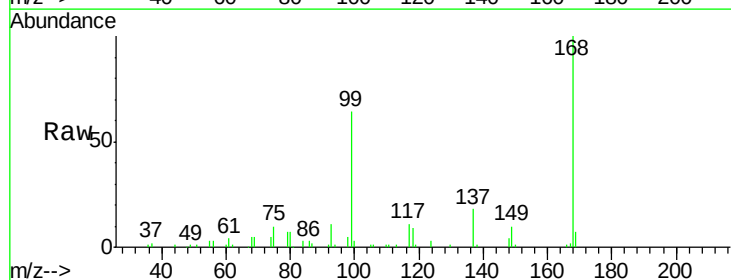
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MSVOA_N
ClientSampleId :

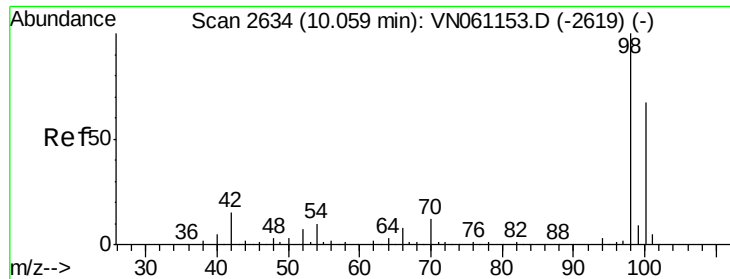
Tot Ion: 43 Resp: 587
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.2#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 8.493 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. -0.11 min
Lab File: VN061292.D
Acq: 5 May 2020 15:18

Tgt Ion: 117 Resp: 10974
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 50.951 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061292.D

Acq: 5 May 2020 15:18

Instrument :

MSVOA_N

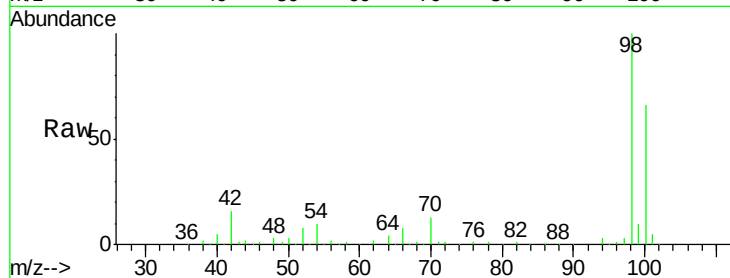
ClientSampled :

Tot Ion: 98 Resp: 226884

Ion Ratio Lower Upper

98 100

100 65.7 53.4 80.0



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

Ion 100.00 (99.70 to 100.70): VN061153.D (-2619) (-)

10.06

150000

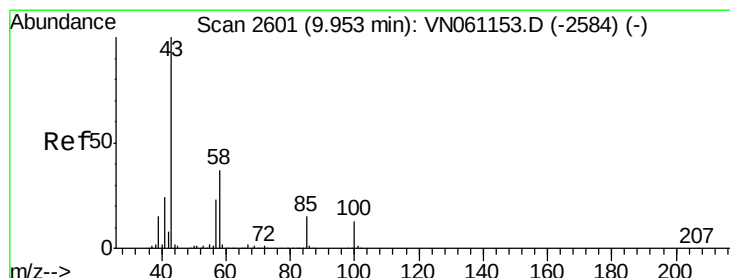
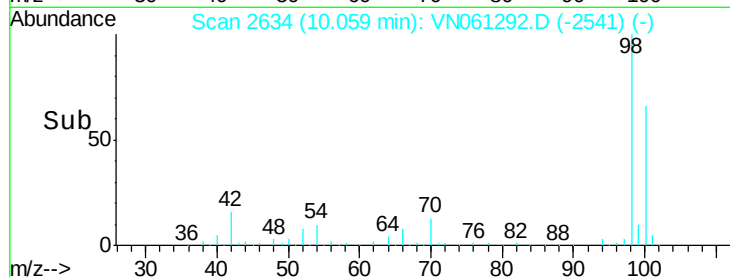
100000

50000

0

Time-->

10.00 10.10 10.20



#51

4-Methyl-2-Pentanone

Concen: 0.604 ug/l

RT: 10.06 min Scan# 2633

Delta R.T. 0.10 min

Lab File: VN061292.D

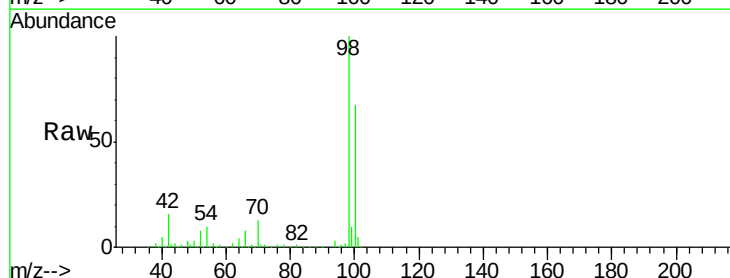
Acq: 5 May 2020 15:18

Tgt Ion: 43 Resp: 1280

Ion Ratio Lower Upper

43 100

58 165.2 29.1 43.7#



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

Ion 58.00 (57.70 to 58.70): VN061153.D (-2584) (-)

10.06

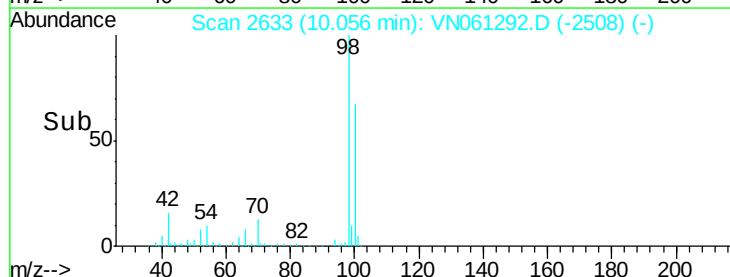
1000

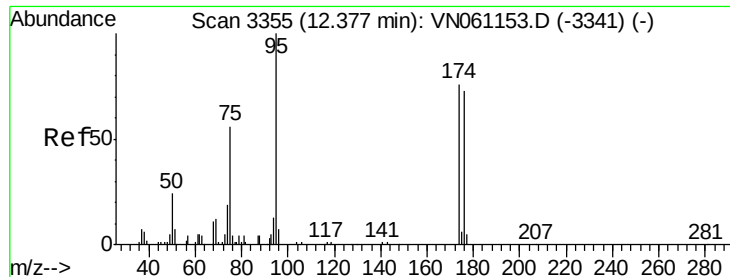
500

0

Time-->

10.05 10.10





#62

4-Bromofluorobenzene

Concen: 50.826 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061292.D

Acq: 5 May 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

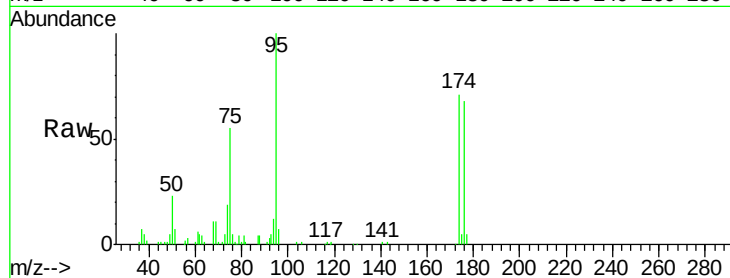
Tot Ion: 95 Resp: 85171

Ion Ratio Lower Upper

95 100

174 71.3 0.0 149.4

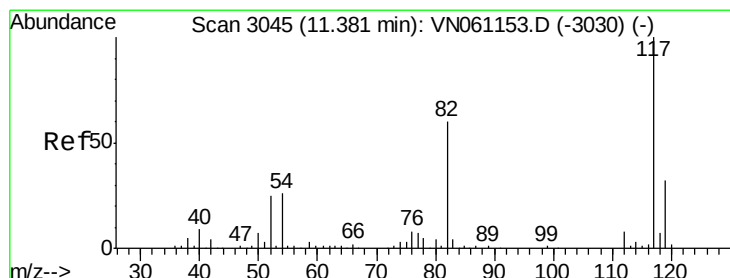
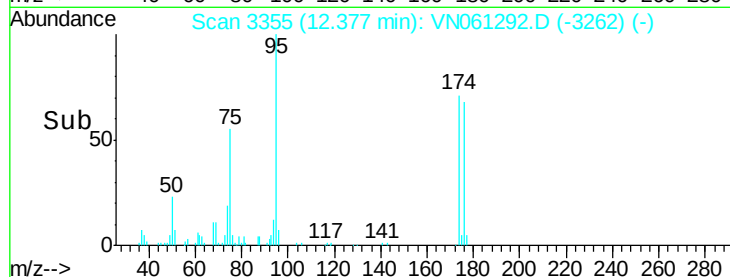
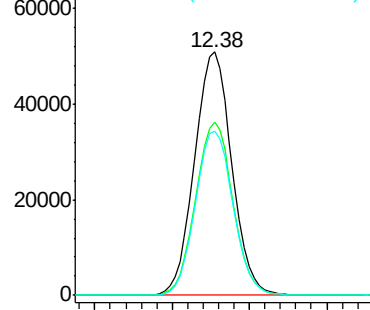
176 68.5 0.0 144.8



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: VN061292.D

Acq: 5 May 2020 15:18

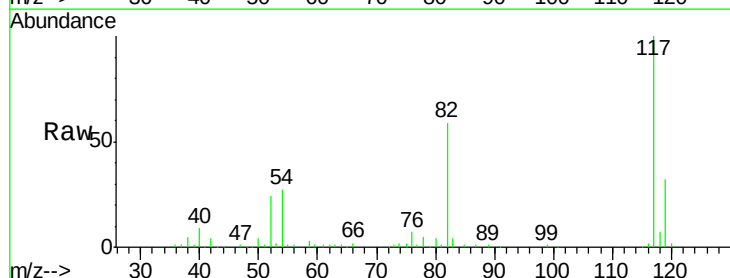
Tgt Ion: 117 Resp: 174776

Ion Ratio Lower Upper

117 100

82 58.6 47.8 71.8

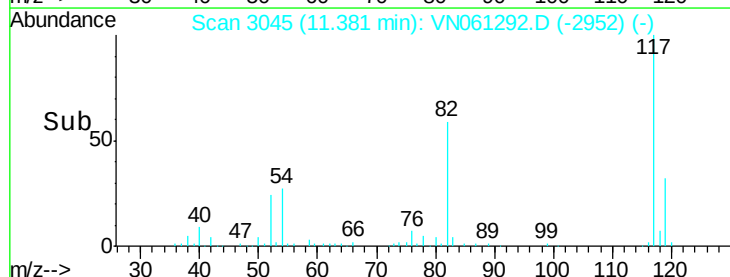
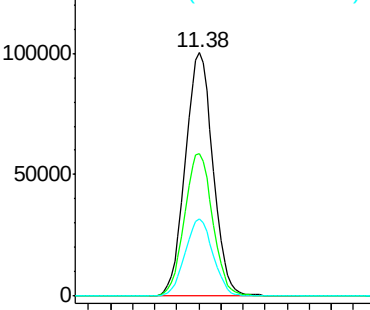
119 31.7 25.8 38.6

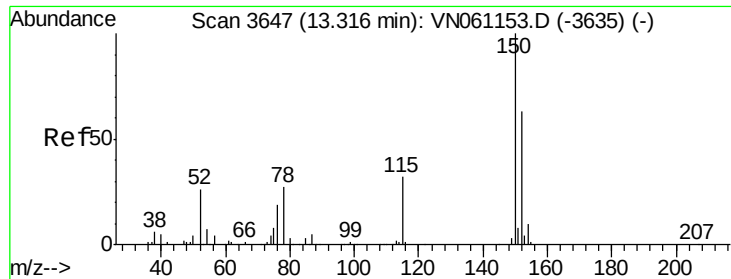


Abundance Ion 116.90 (116.60 to 117.60): VN061153.D (-3030) (-)

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: VN061292.D

Acq: 5 May 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

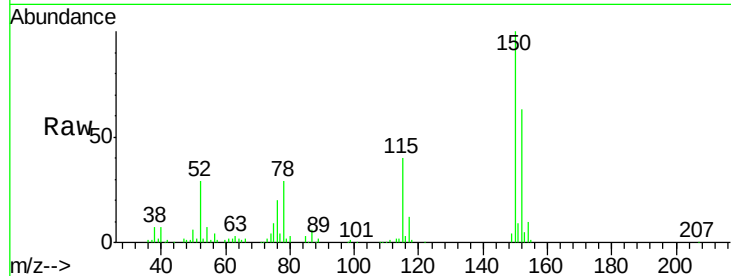
Tot Ion:152 Resp: 76628

Ion Ratio Lower Upper

152 100

115 62.2 31.0 93.0

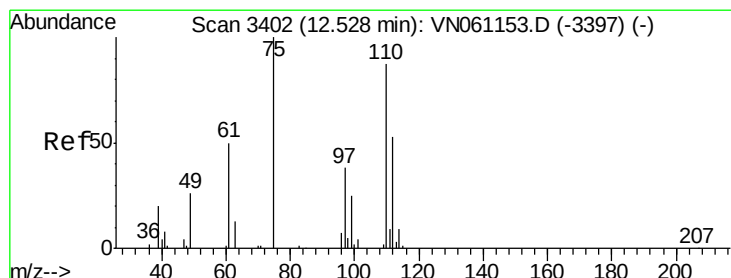
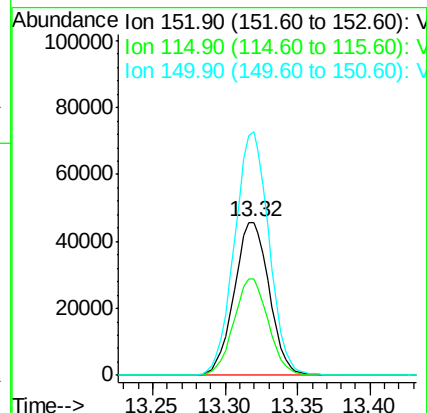
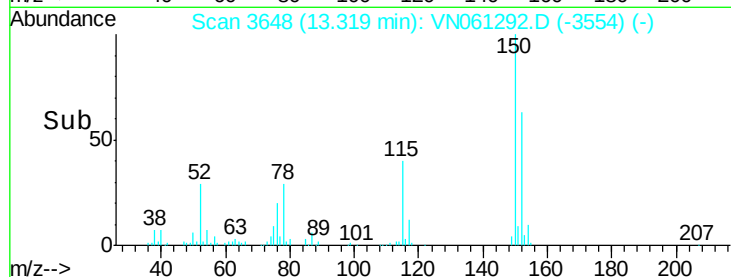
150 156.7 0.0 351.8



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: 29.038 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061292.D

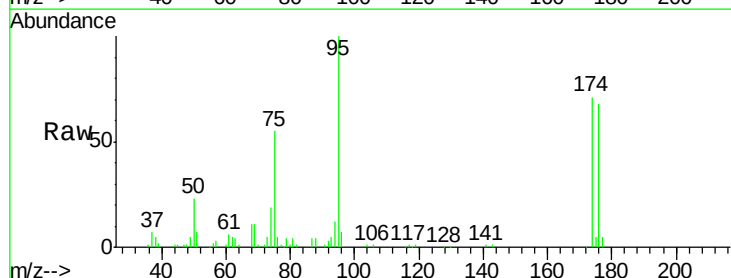
Acq: 5 May 2020 15:18

Tgt Ion: 75 Resp: 46911

Ion Ratio Lower Upper

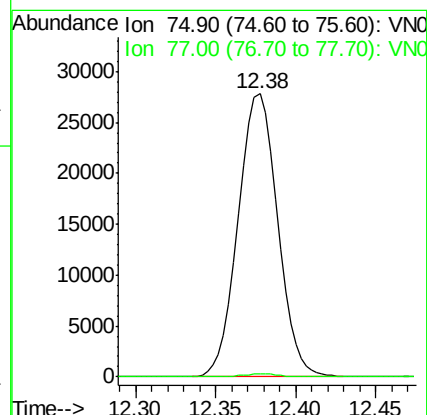
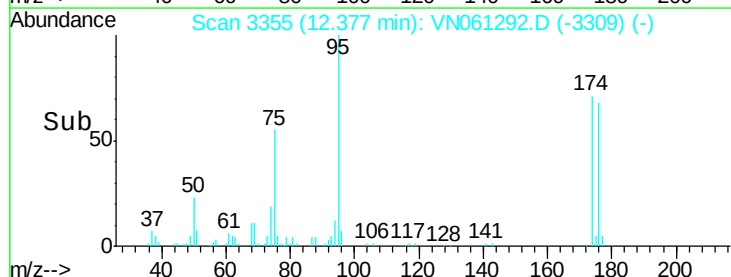
75 100

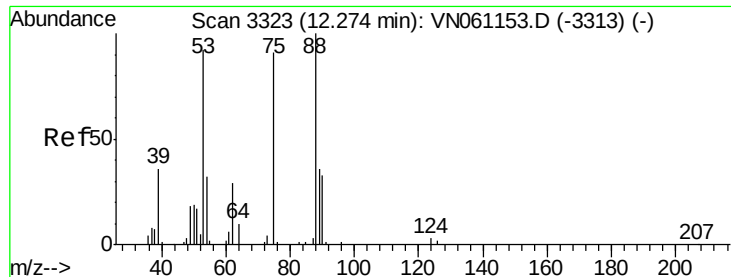
77 0.9 0.0 0.0#



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: 73.741 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061292.D

Acq: 5 May 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

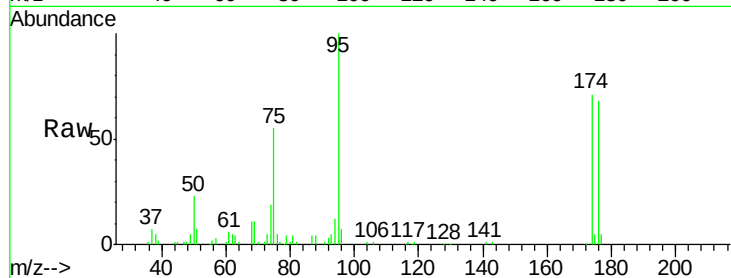
Tot Ion: 75 Resp: 46911

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

