

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061229.D
 Acq On : 1 May 2020 14:45
 Operator : JC/MD
 Sample : L2445-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 04 00:54:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	120507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	215386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	204704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	87163	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	92108	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
35) Dibromofluoromethane	7.55	113	62171	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	10.06	98	267321	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.38	95	97412	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	

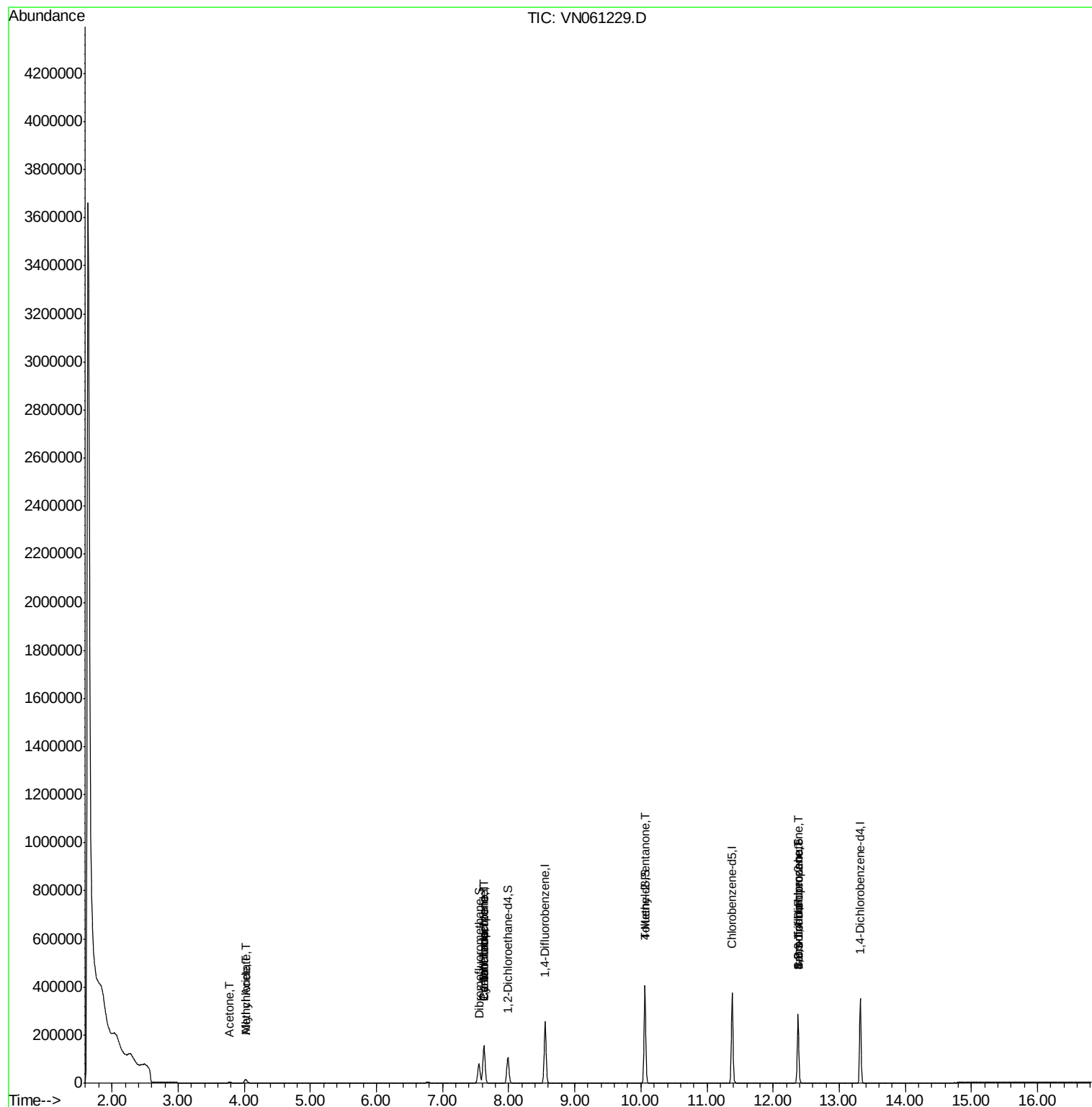
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.02	41	2398	1.017	ug/l #	74
16) Acetone	3.78	43	8376	5.965	ug/l	98
18) Methyl Acetate	4.02	43	6077	3.170	ug/l #	55
31) Cyclohexane	7.63	56	2798	1.009	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10814	5.016	ug/l #	47
38) Carbon Tetrachloride	7.63	117	12392	8.298	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1458	0.590	ug/l #	1
71) Bromoform	12.38	173	417	0.390	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	52647	28.649	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	52647	72.755	ug/l #	8

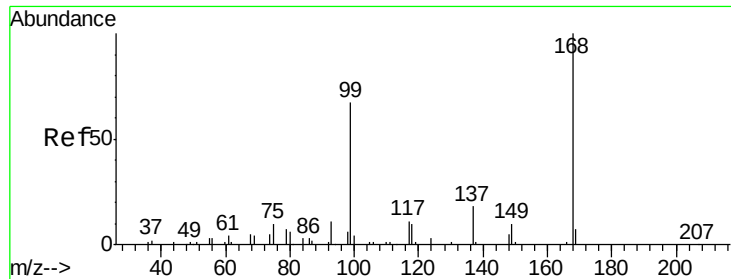
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 29 08:14:26 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VN061229.D

Acq: 1 May 2020 14:45

Instrument :

MSVOA_N

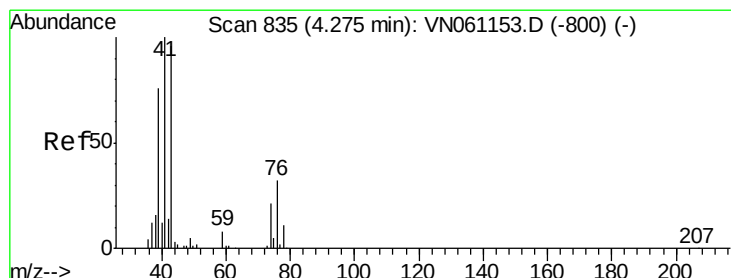
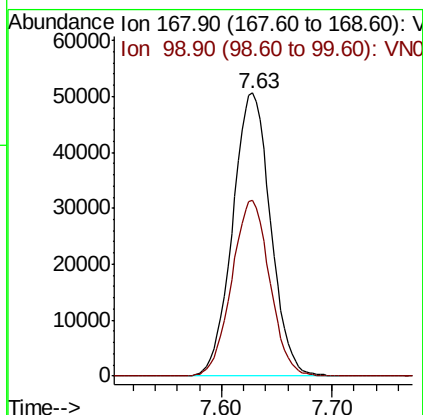
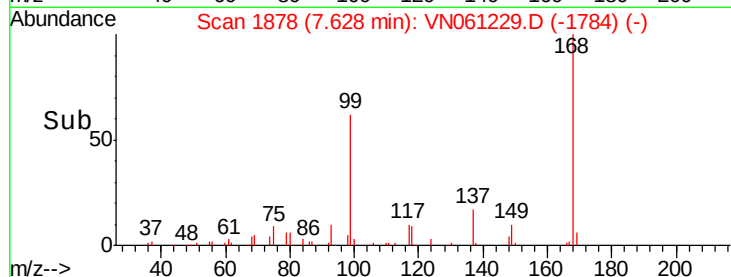
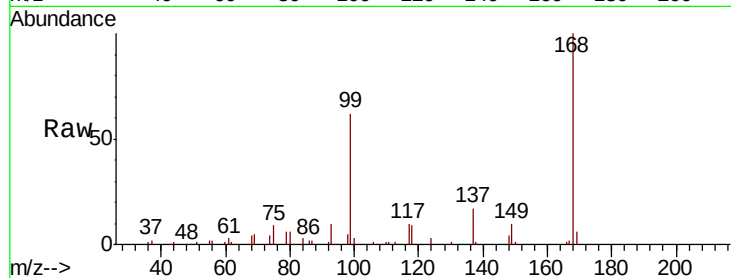
ClientSampleId :

Tot Ion:168 Resp: 120507

Ion Ratio Lower Upper

168 100

99 62.0 51.2 76.8



#14

Allyl chloride

Concen: 1.017 ug/l

RT: 4.02 min Scan# 756

Delta R.T. -0.25 min

Lab File: VN061229.D

Acq: 1 May 2020 14:45

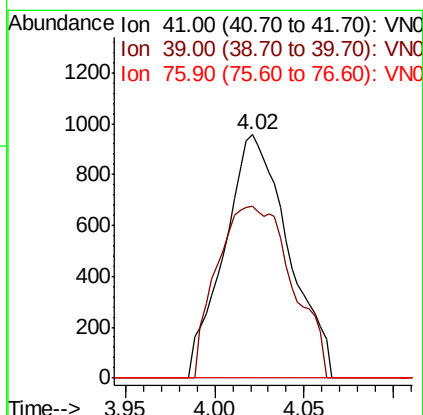
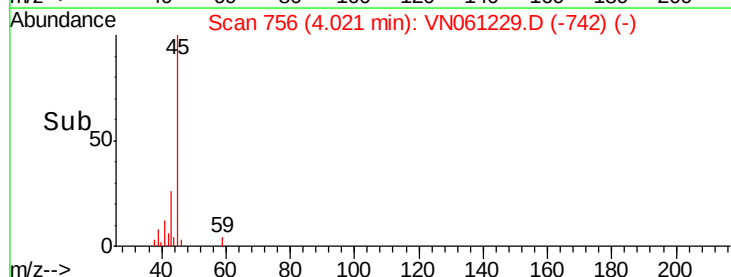
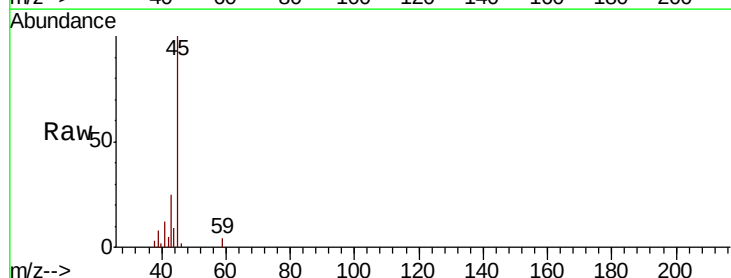
Tgt Ion: 41 Resp: 2398

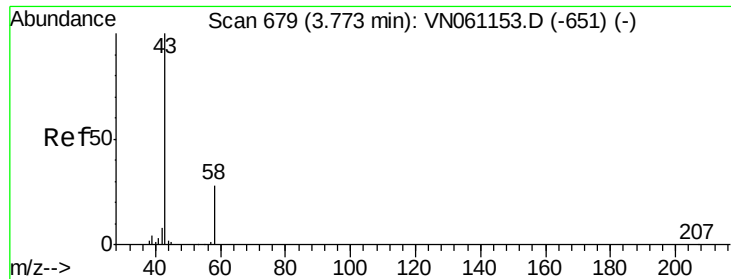
Ion Ratio Lower Upper

41 100

39 82.5 57.1 85.7

76 0.0 24.3 36.5#





#16

Acetone

Concen: 5.965 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061229.D

Acq: 1 May 2020 14:45

Instrument :

MSVOA_N

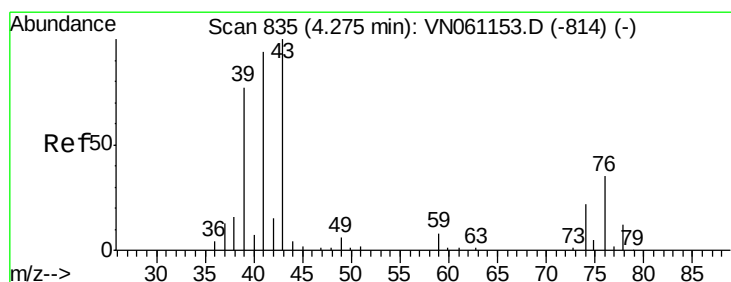
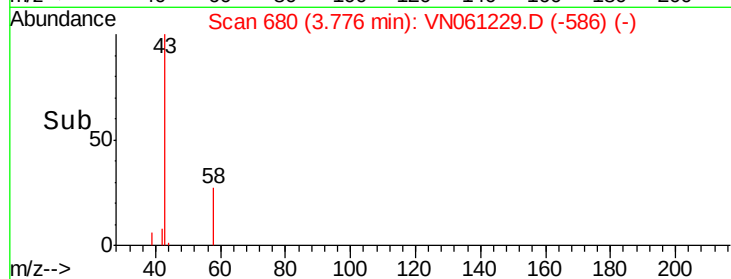
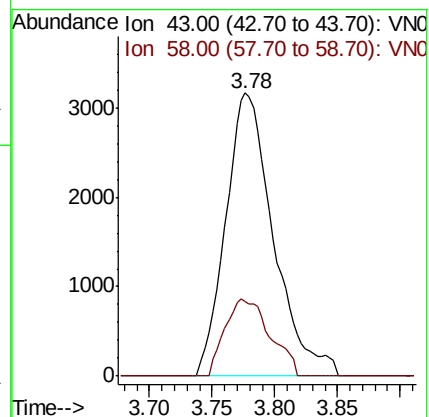
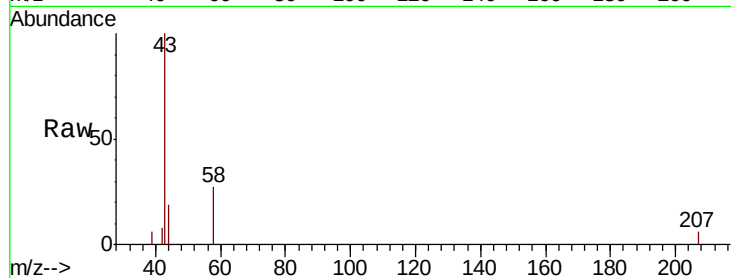
ClientSampleId :

Tot Ion: 43 Resp: 8376

Ion Ratio Lower Upper

43 100

58 26.6 22.2 33.2



#18

Methyl Acetate

Concen: 3.170 ug/l

RT: 4.02 min Scan# 756

Delta R.T. -0.25 min

Lab File: VN061229.D

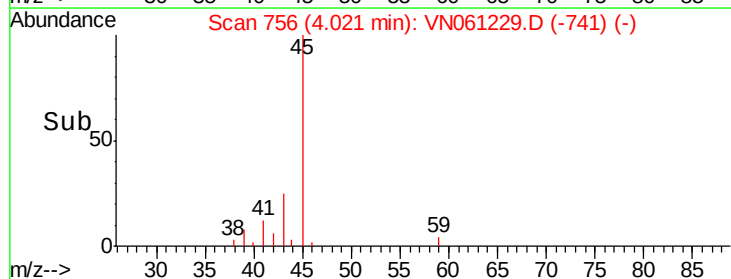
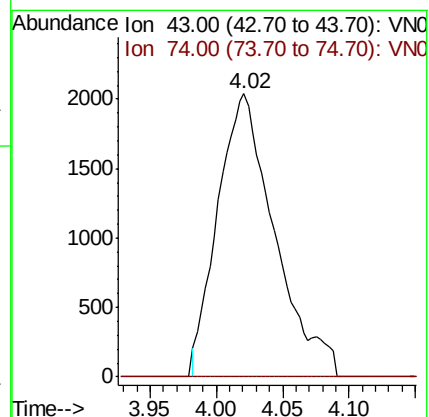
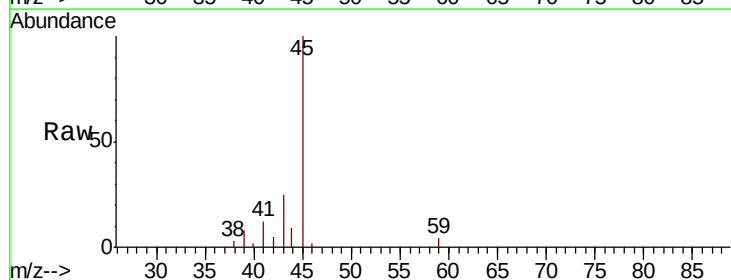
Acq: 1 May 2020 14:45

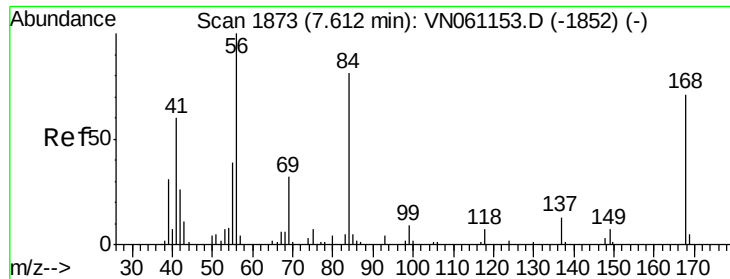
Tgt Ion: 43 Resp: 6077

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#

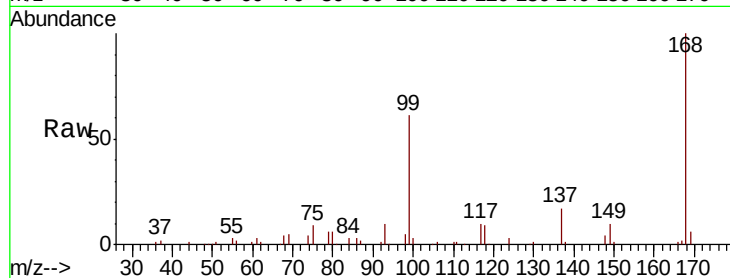




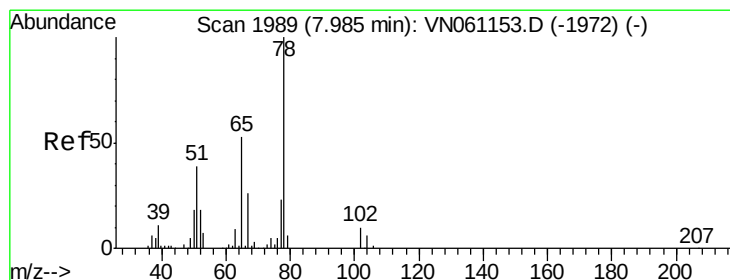
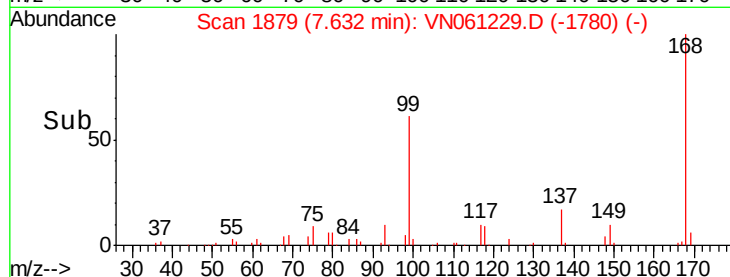
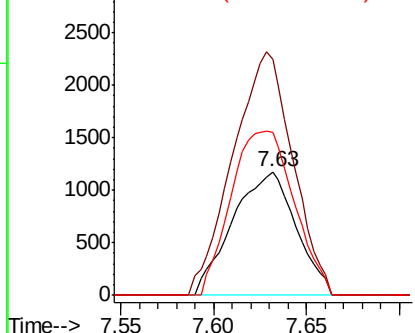
#31
Cyclohexane
Concen: 1.009 ug/l
RT: 7.63 min Scan# 1879
Delta R.T. 0.02 min
Lab File: VN061229.D
Acq: 1 May 2020 14:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2798
Ion Ratio Lower Upper
56 100
69 190.5 25.7 38.5#
84 131.7 64.6 97.0#

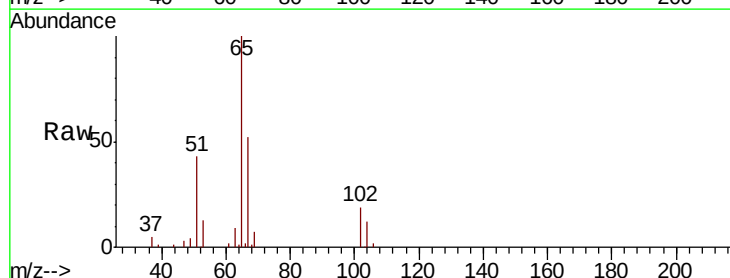


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

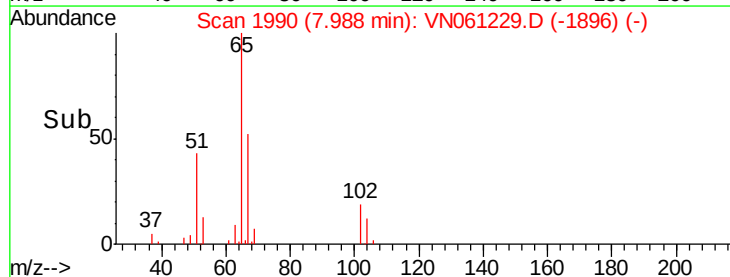
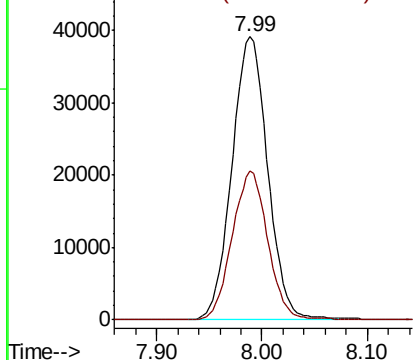


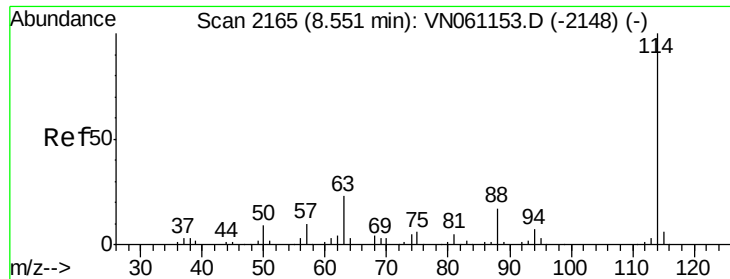
#33
1,2-Dichloroethane-d4
Concen: 48.305 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061229.D
Acq: 1 May 2020 14:45

Tgt Ion: 65 Resp: 92108
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.6



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

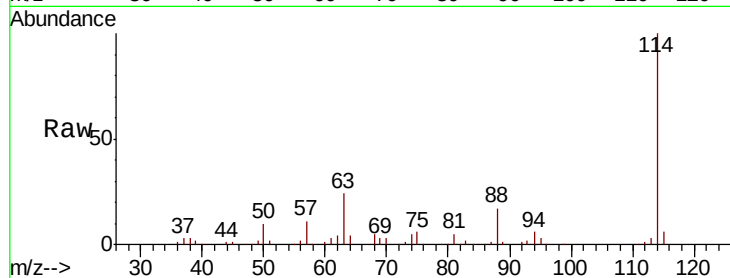




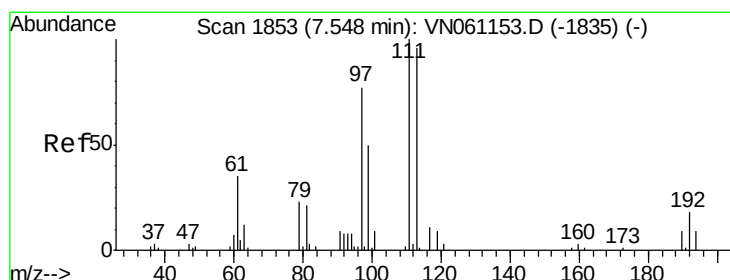
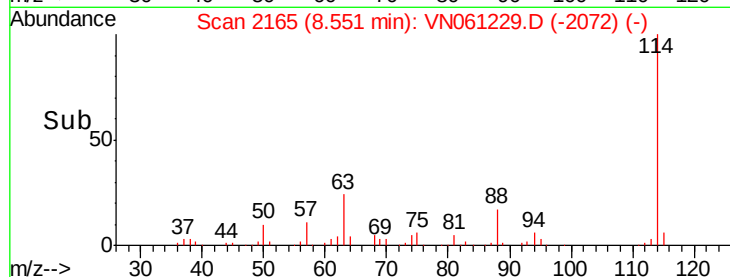
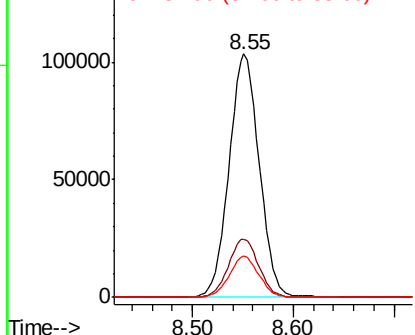
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061229.D
 Acq: 1 May 2020 14:45

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 215386
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 46.6
 88 17.1 0.0 33.4

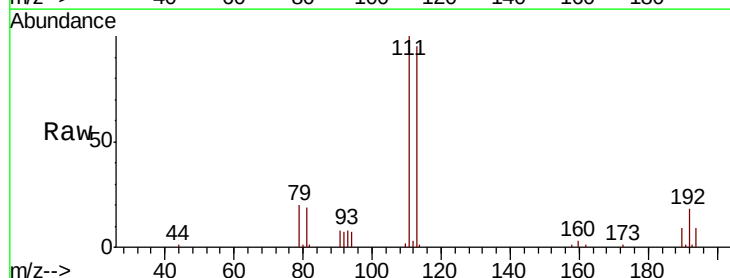


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

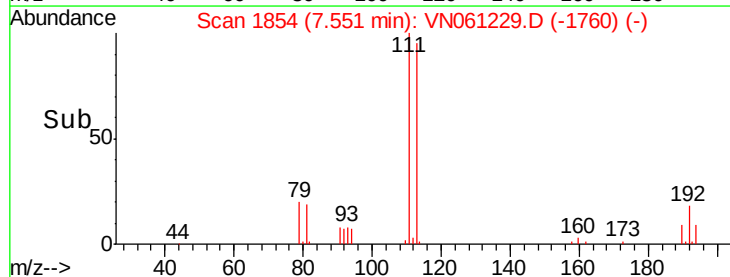
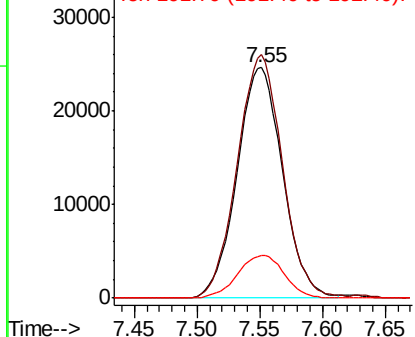


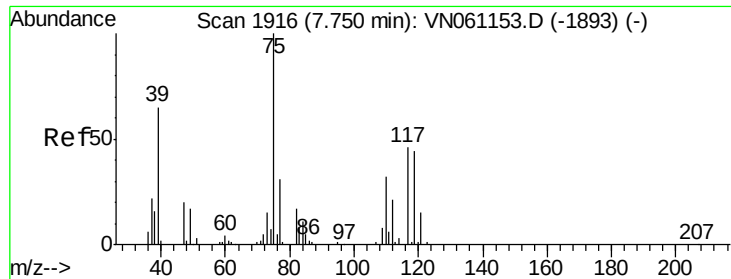
#35
 Dibromofluoromethane
 Concen: 48.814 ug/l
 RT: 7.55 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VN061229.D
 Acq: 1 May 2020 14:45

Tgt Ion:113 Resp: 62171
 Ion Ratio Lower Upper
 113 100
 111 104.8 82.9 124.3
 192 18.9 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: 5.016 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.13 min

Lab File: VN061229.D

Acq: 1 May 2020 14:45

Instrument :

MSVOA_N

ClientSampleId :

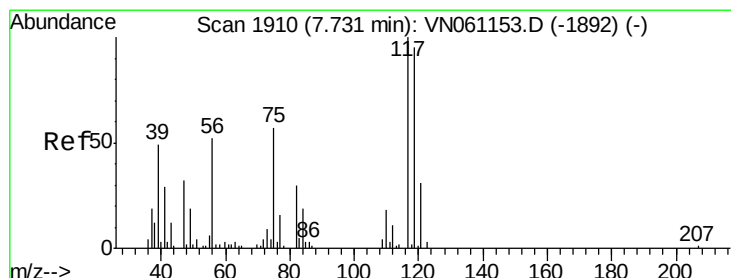
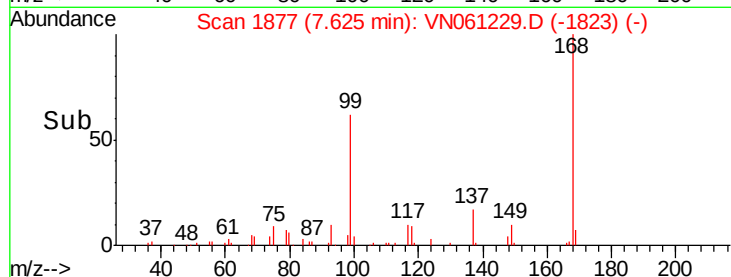
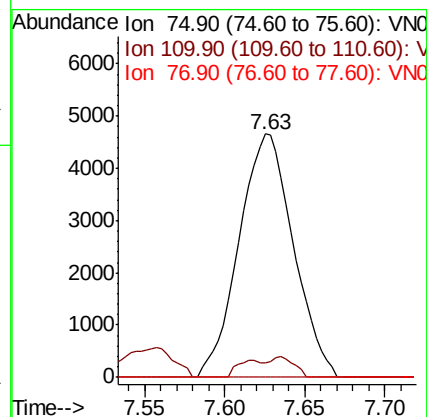
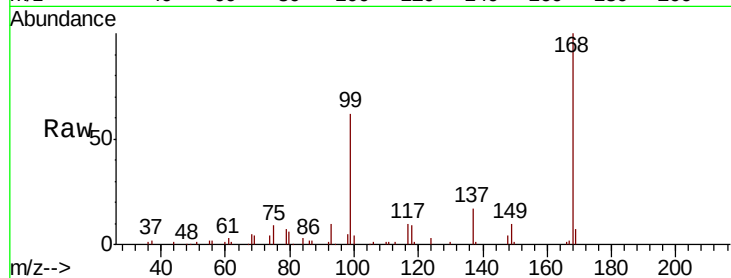
Tot Ion: 75 Resp: 10814

Ion Ratio Lower Upper

75 100

110 3.7 16.0 48.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 8.298 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. -0.10 min

Lab File: VN061229.D

Acq: 1 May 2020 14:45

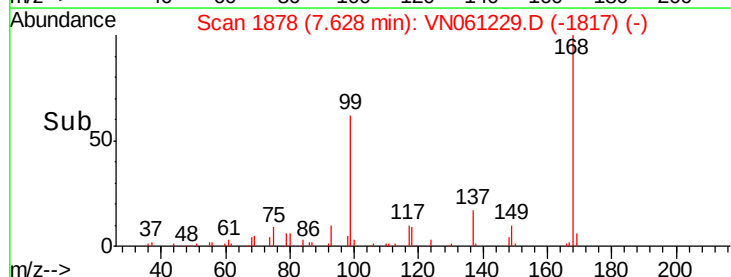
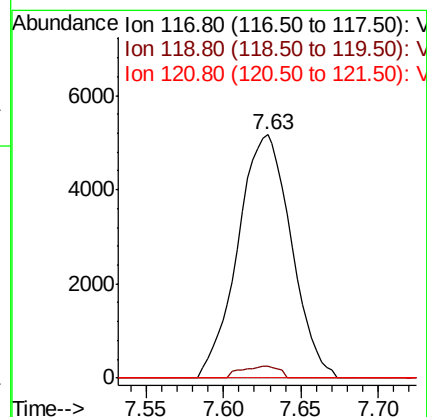
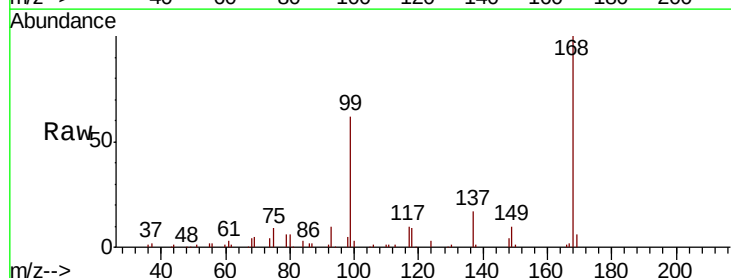
Tgt Ion: 117 Resp: 12392

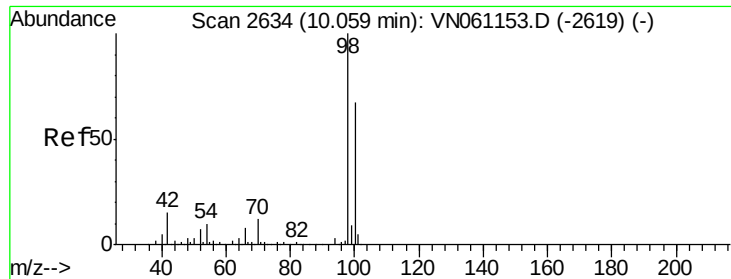
Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.6#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 51.487 ug/l

RT: 10.06 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VN061229.D

Acq: 1 May 2020 14:45

Instrument :

MSVOA_N

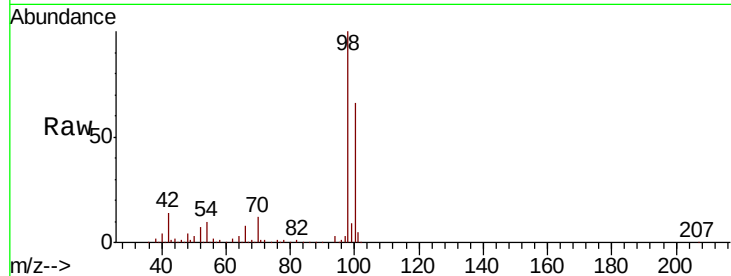
ClientSampleId :

Tot Ion: 98 Resp: 267321

Ion Ratio Lower Upper

98 100

100 66.5 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) (-)

150000

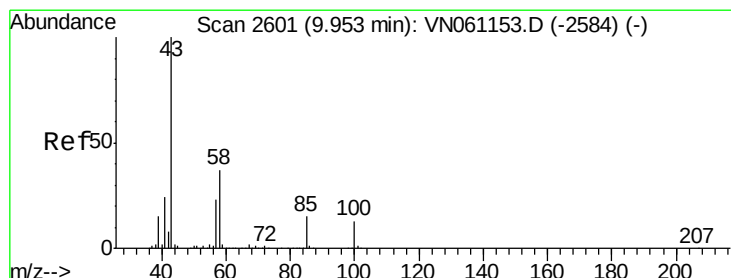
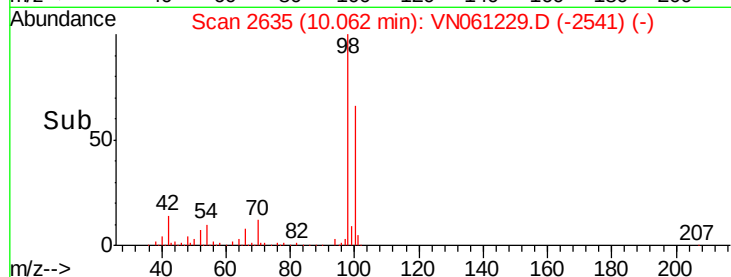
100000

50000

0

10.00 10.10

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.590 ug/l

RT: 10.06 min Scan# 2633

Delta R.T. 0.10 min

Lab File: VN061229.D

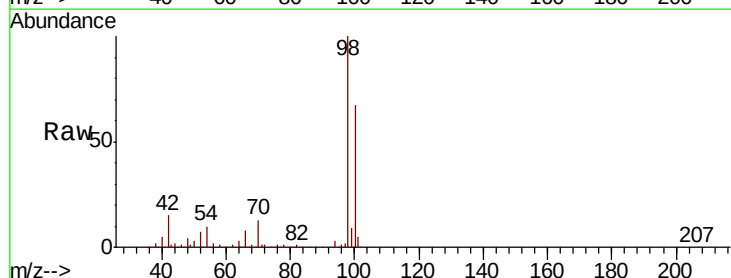
Acq: 1 May 2020 14:45

Tgt Ion: 43 Resp: 1458

Ion Ratio Lower Upper

43 100

58 174.8 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) (-)

1500

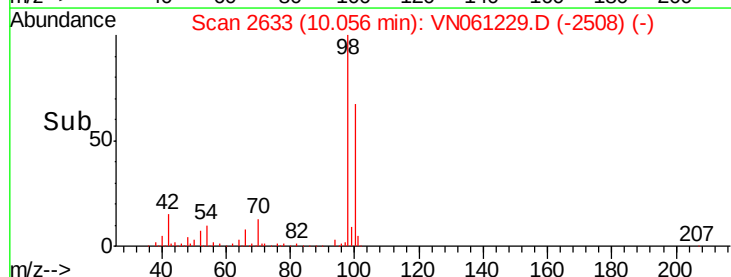
1000

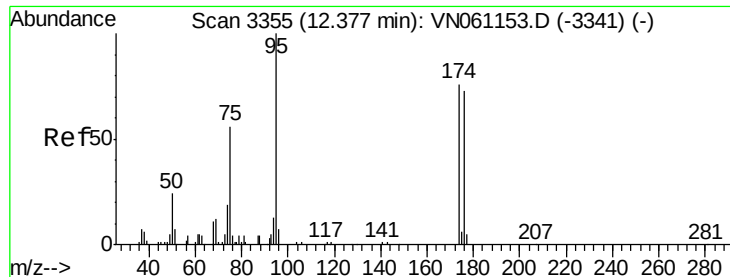
500

0

10.05 10.10

Time-->





#62

4-Bromofluorobenzene

Concen: 49.857 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061229.D

Acq: 1 May 2020 14:45

Instrument :

MSVOA_N

ClientSampleId :

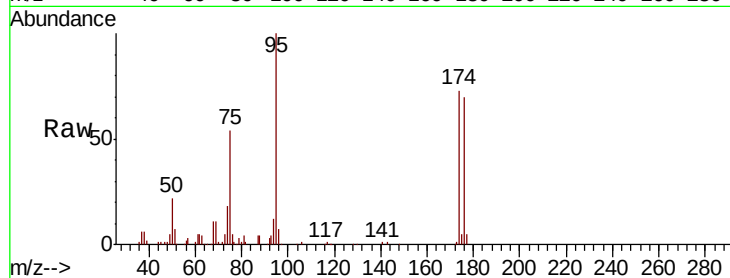
Tot Ion: 95 Resp: 97412

Ion Ratio Lower Upper

95 100

174 73.0 0.0 149.4

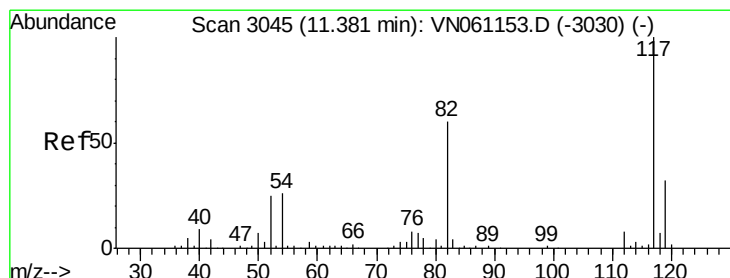
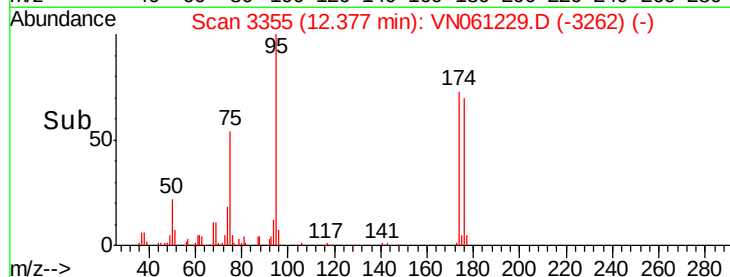
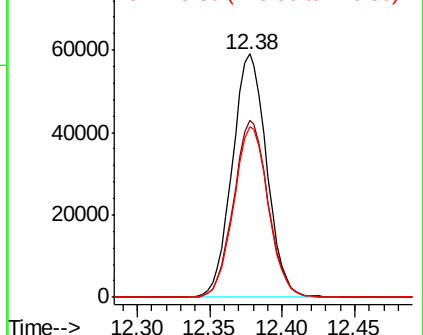
176 70.4 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061229.D (-3262) (-)

Ion 173.80 (173.50 to 174.50): VN061229.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061229.D (-3262) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061229.D

Acq: 1 May 2020 14:45

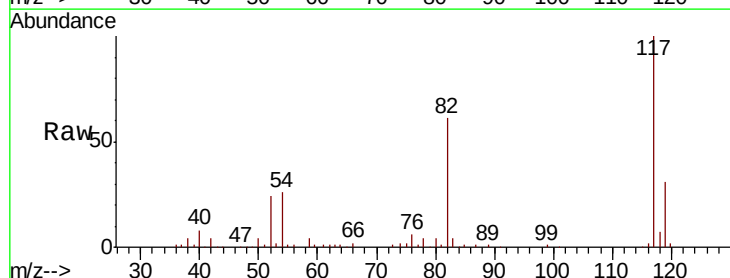
Tgt Ion: 117 Resp: 204704

Ion Ratio Lower Upper

117 100

82 61.0 47.8 71.8

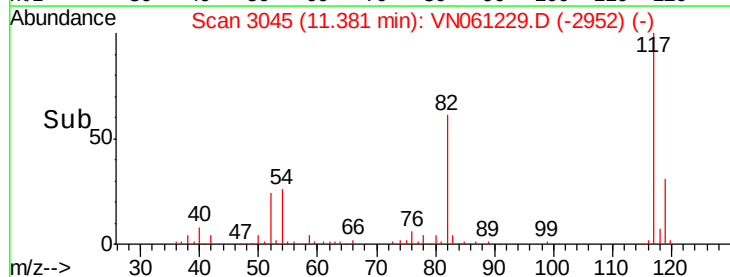
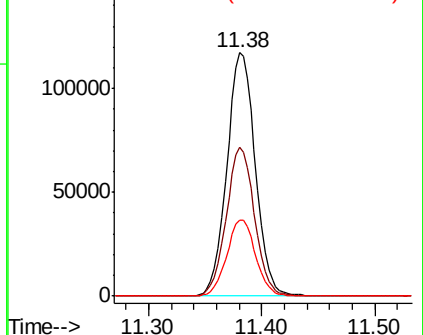
119 31.4 25.8 38.6

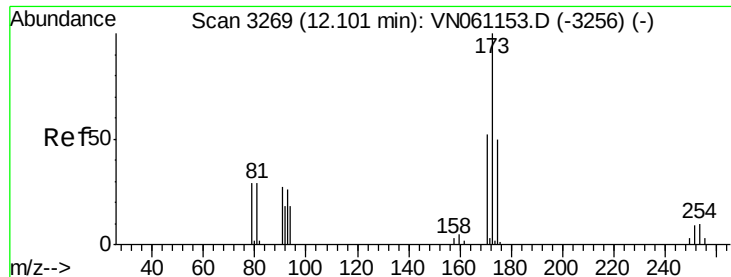


Abundance Ion 116.90 (116.60 to 117.60): VN061229.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061229.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061229.D (-2952) (-)





#71

Bromoform

Concen: 0.390 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.28 min

Lab File: VN061229.D

Acq: 1 May 2020 14:45

Instrument :

MSVOA_N

ClientSampleId :

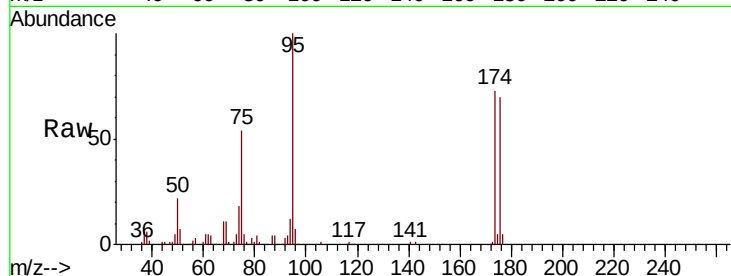
Tot Ion:173 Resp: 417

Ion Ratio Lower Upper

173 100

175 1058.3 24.1 72.4#

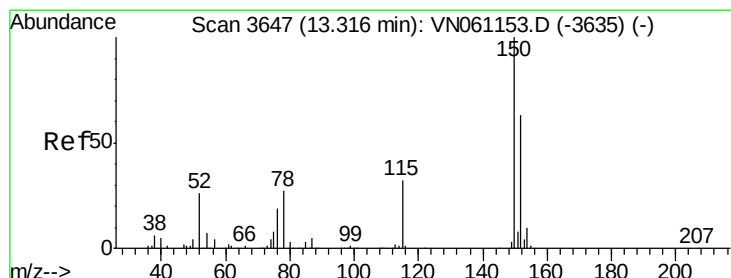
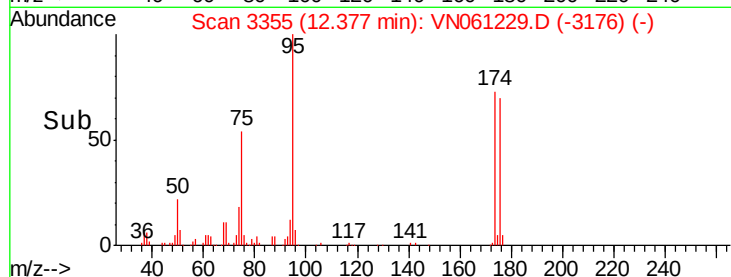
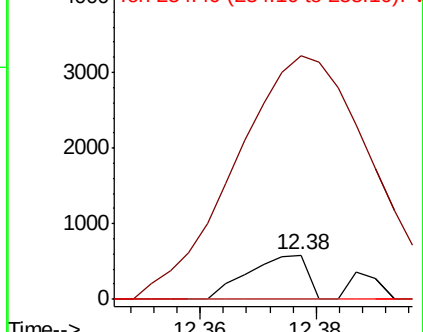
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VN061229.D

Acq: 1 May 2020 14:45

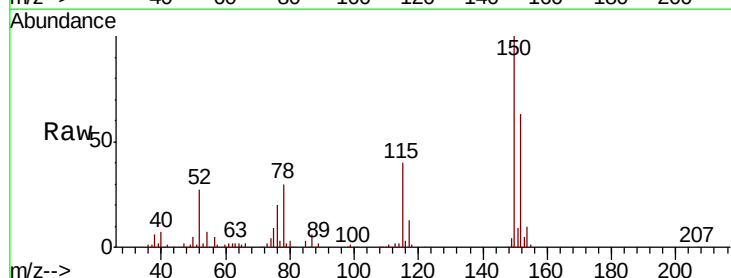
Tgt Ion:152 Resp: 87163

Ion Ratio Lower Upper

152 100

115 62.1 31.0 93.0

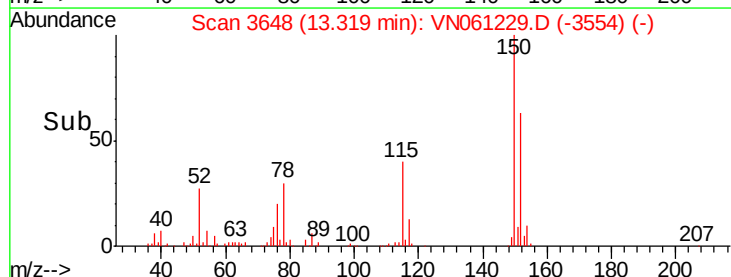
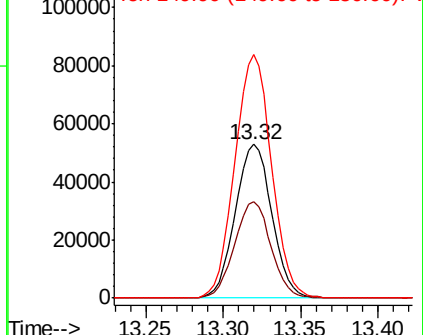
150 158.3 0.0 351.8

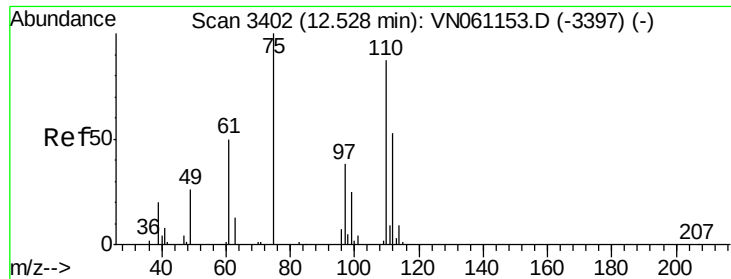


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

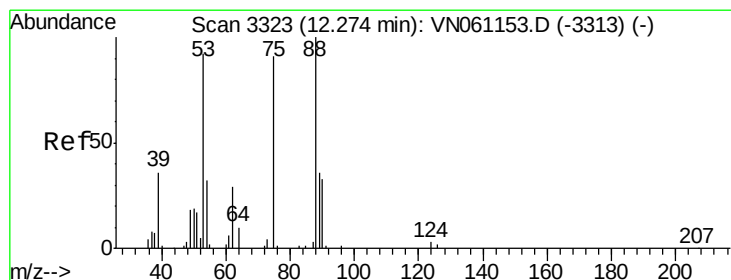
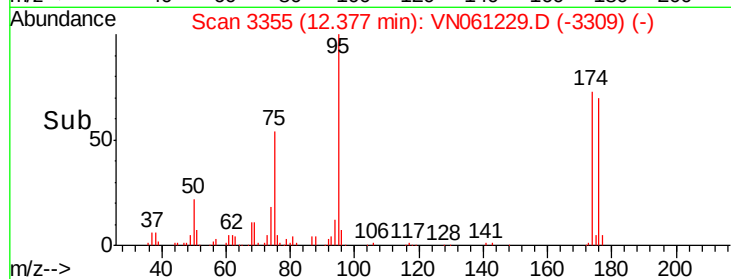
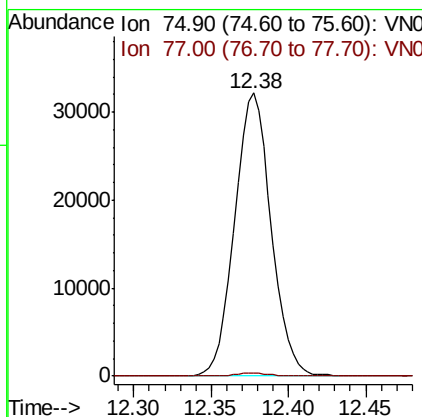
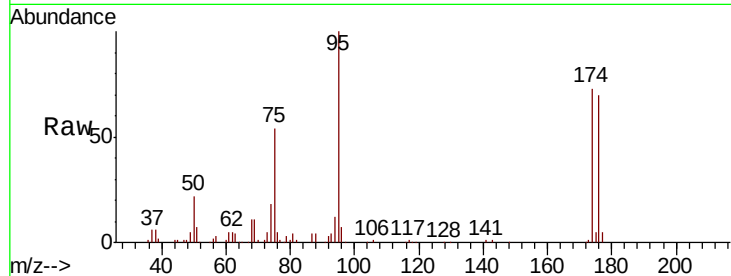




#76
 1,2,3-Trichloropropane
 Concen: 28.649 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. -0.15 min
 Lab File: VN061229.D
 Acq: 1 May 2020 14:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 52647
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.755 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.10 min
 Lab File: VN061229.D
 Acq: 1 May 2020 14:45

Tgt Ion: 75 Resp: 52647
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.1 126.1#
 89 0.0 35.2 52.8#

