

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061308.D
 Acq On : 6 May 2020 14:40
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 03:09:44 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

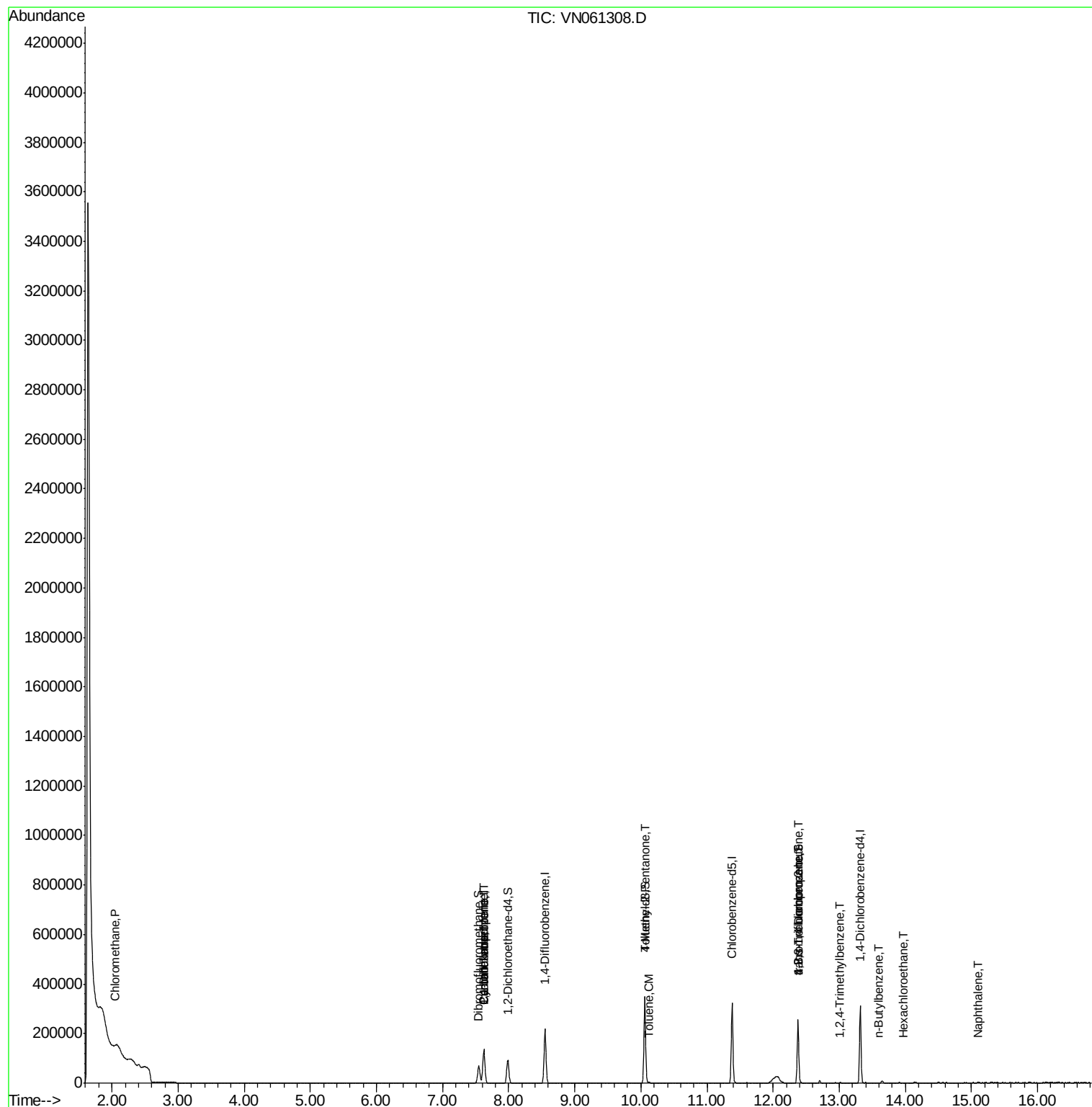
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	101138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	182056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	172759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	74770	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	82057	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
35) Dibromofluoromethane	7.55	113	52130	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.06	98	225746	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.38	95	87664	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	417	0.321	ug/l #	42
16) Acetone	3.78	43	588	Below Cal	#	47
31) Cyclohexane	7.63	56	2569	1.103	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	9239	5.070	ug/l #	50
38) Carbon Tetrachloride	7.62	117	10874	8.527	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1197	0.574	ug/l #	1
52) Toluene	10.12	92	1435	0.439	ug/l	100
76) 1,2,3-Trichloropropane	12.38	75	48069	30.494	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48069	77.438	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.01	105	1207	0.258	ug/l	98
89) n-Butylbenzene	13.59	91	899	0.208	ug/l #	75
90) Hexachloroethane	13.97	117	218	8.002	ug/l #	14
95) Naphthalene	15.11	128	1824	0.411	ug/l #	71

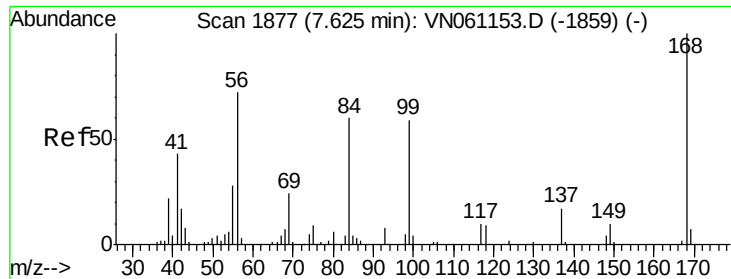
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061308.D

Acq: 6 May 2020 14:40

Instrument :

MSVOA_N

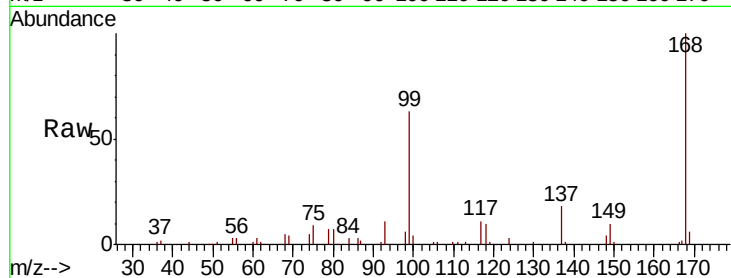
ClientSampled :

Tot Ion:168 Resp: 101138

Ion Ratio Lower Upper

168 100

99 63.2 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

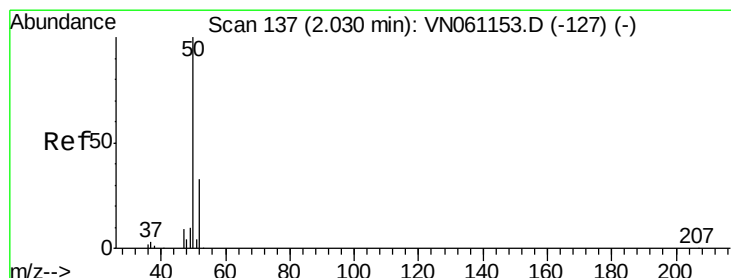
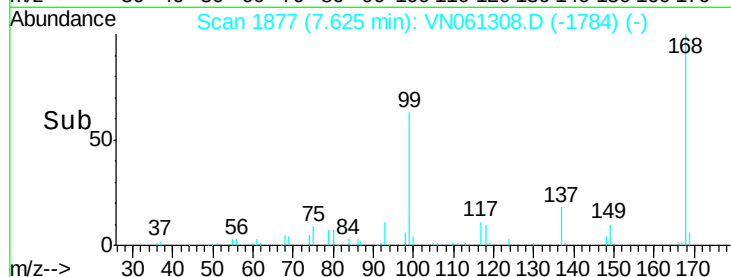
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.321 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061308.D

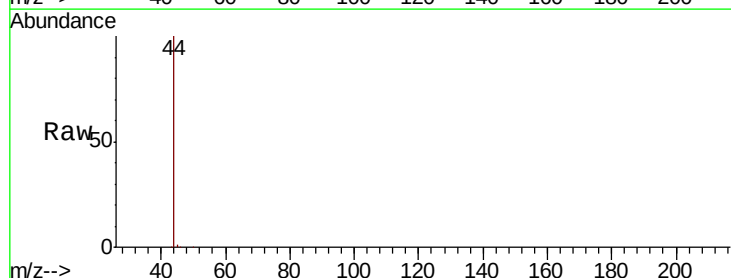
Acq: 6 May 2020 14:40

Tgt Ion: 50 Resp: 417

Ion Ratio Lower Upper

50 100

52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

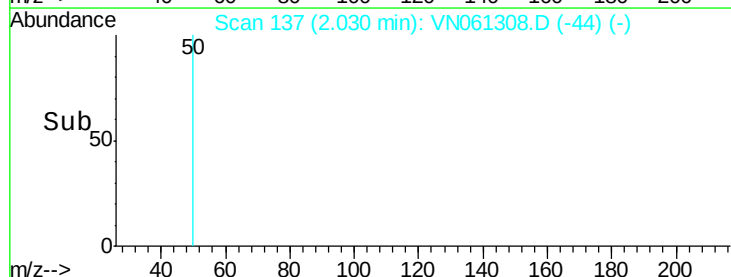
300

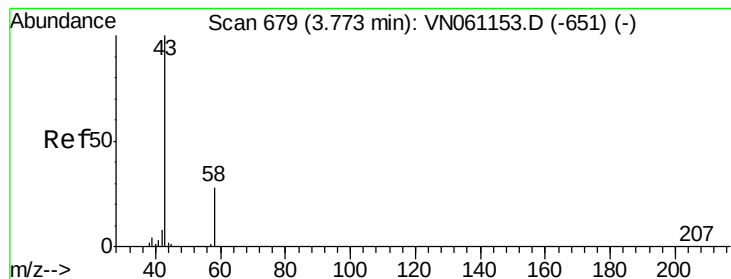
200

100

0

Time--> 2.00 2.02 2.04 2.06





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN061308.D

Acq: 6 May 2020 14:40

Instrument :

MSVOA_N

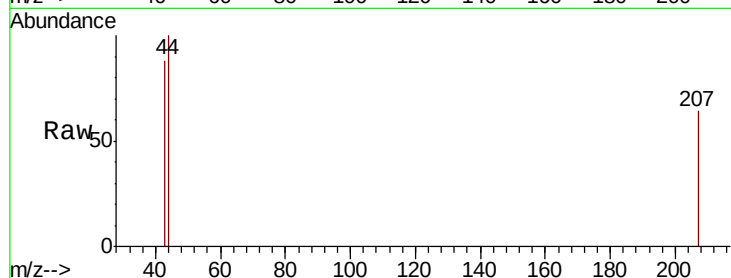
ClientSampled :

Tot Ion: 43 Resp: 588

Ion Ratio Lower Upper

43 100

58 0.0 22.2 33.2#



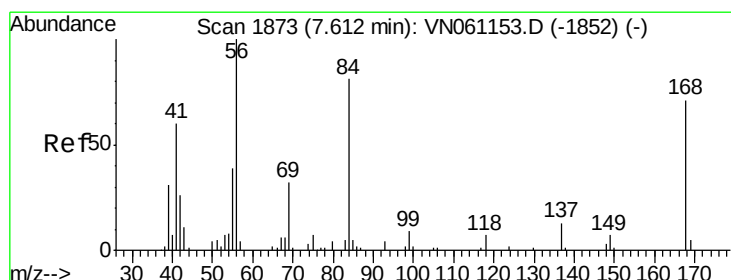
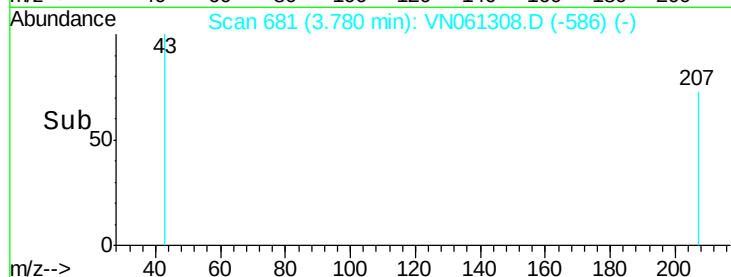
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

3.80

Time-->



#31

Cyclohexane

Concen: 1.103 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VN061308.D

Acq: 6 May 2020 14:40

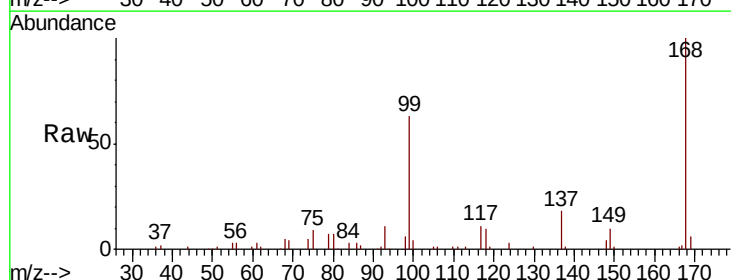
Tgt Ion: 56 Resp: 2569

Ion Ratio Lower Upper

56 100

69 178.1 25.7 38.5#

84 128.7 64.6 97.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

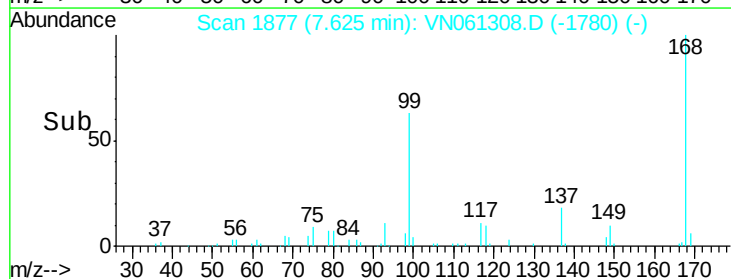
Ion 69.00 (68.70 to 69.70): VN0

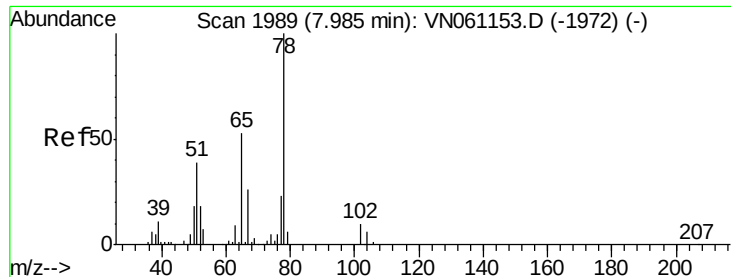
Ion 84.00 (83.70 to 84.70): VN0

7.63

7.65

Time-->

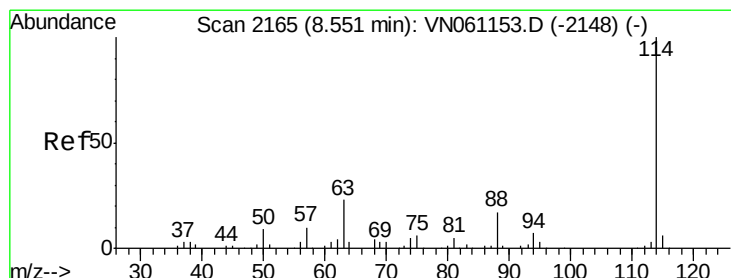
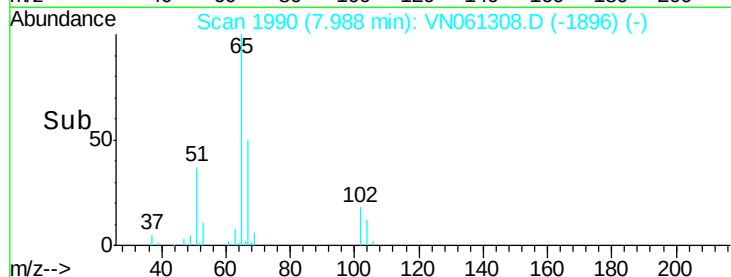
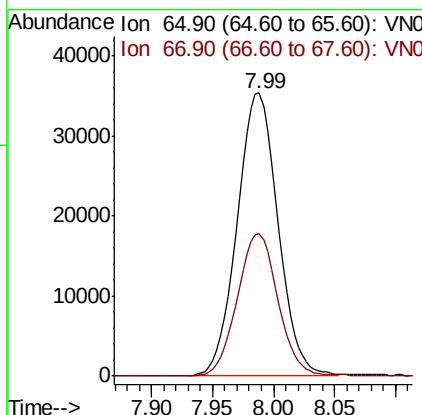
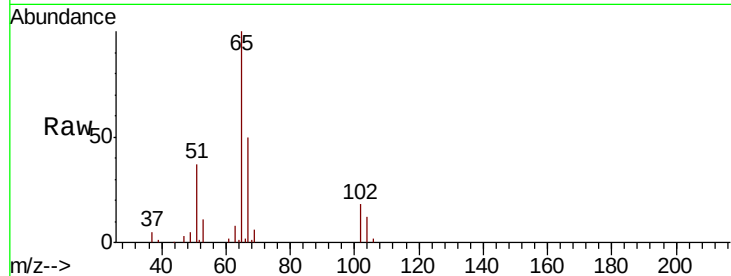




#33
 1,2-Dichloroethane-d4
 Concen: 51.275 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061308.D
 Acq: 6 May 2020 14:40

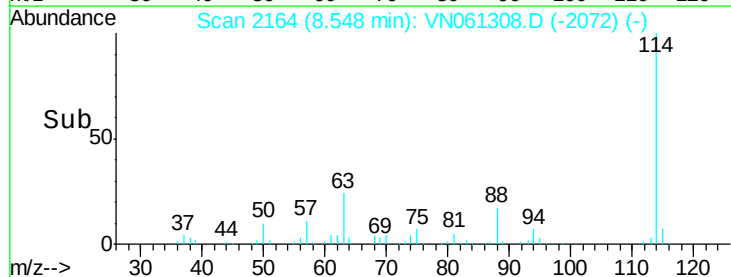
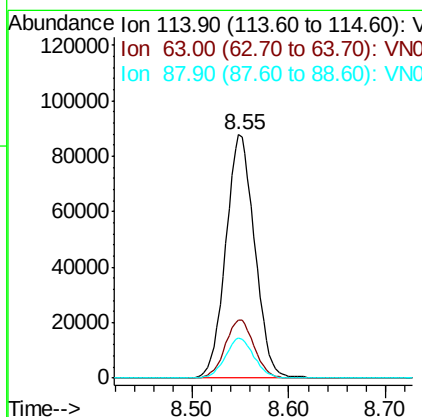
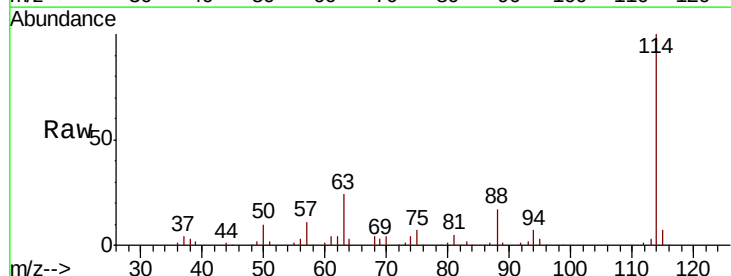
Instrument :
 MSVOA_N
 ClientSampleId :

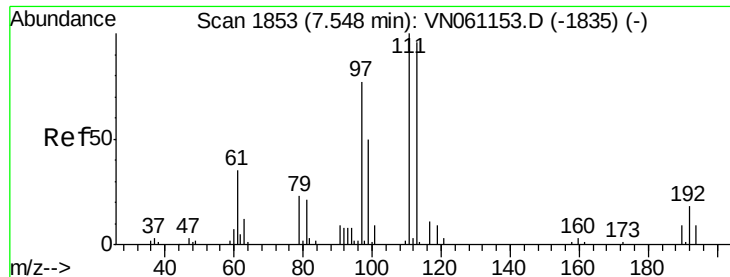
Tot Ion: 65 Resp: 82057
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061308.D
 Acq: 6 May 2020 14:40

Tgt Ion: 114 Resp: 182056
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 46.6
 88 16.5 0.0 33.4

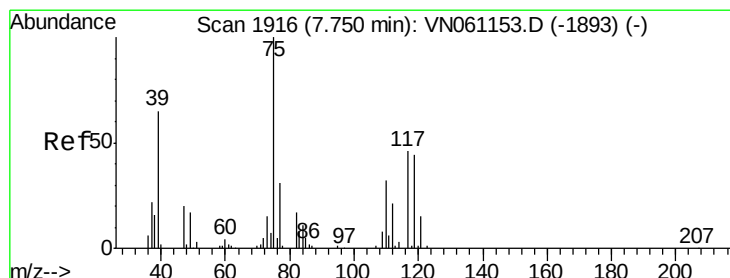
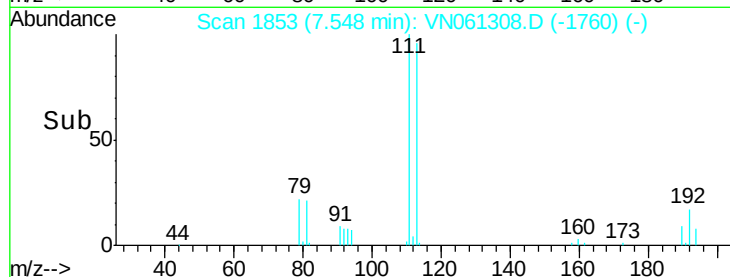
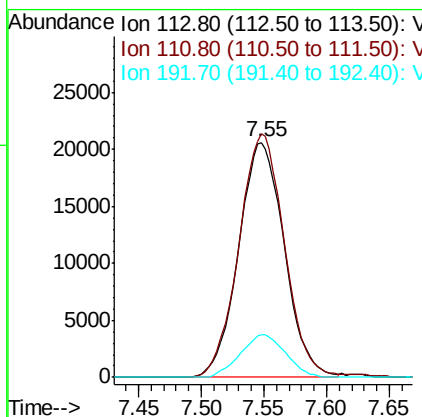
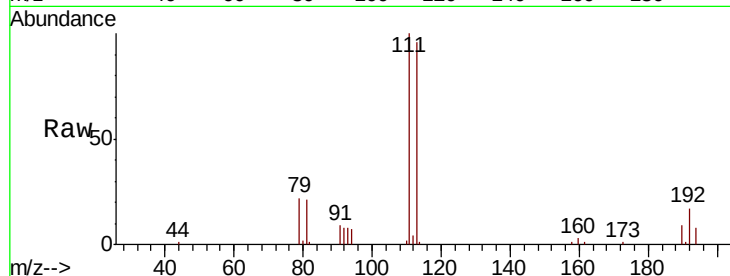




#35
 Dibromofluoromethane
 Concen: 48.424 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061308.D
 Acq: 6 May 2020 14:40

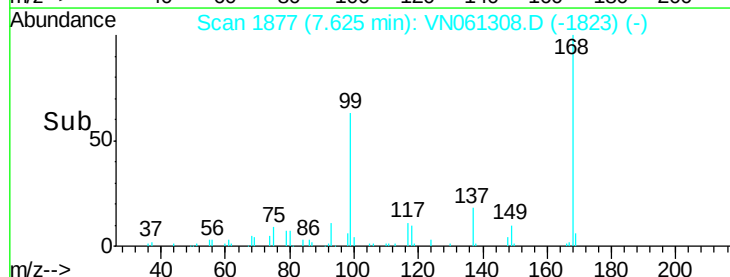
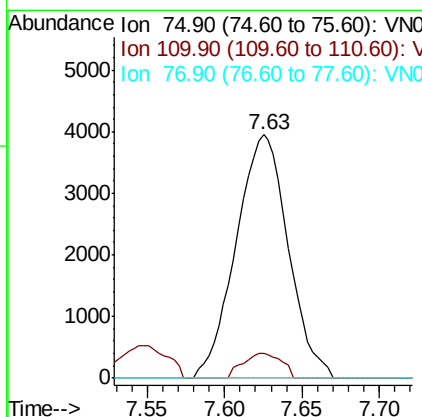
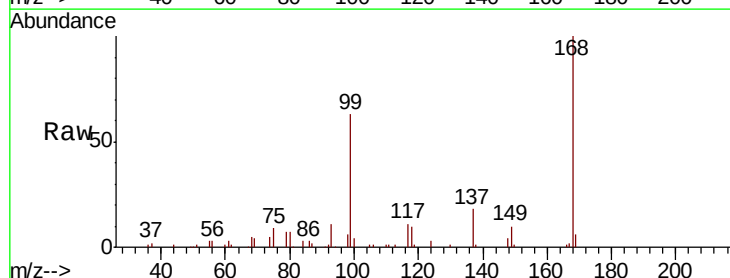
Instrument :
 MSVOA_N
 ClientSampled :

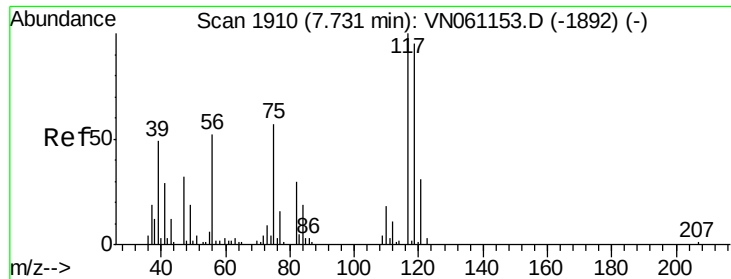
Tot Ion:113 Resp: 52130
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.9 124.3
 192 18.0 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 5.070 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061308.D
 Acq: 6 May 2020 14:40

Tgt Ion: 75 Resp: 9239
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.0 48.0#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 8.527 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.11 min

Lab File: VN061308.D

Acq: 6 May 2020 14:40

Instrument :

MSVOA_N

ClientSampled :

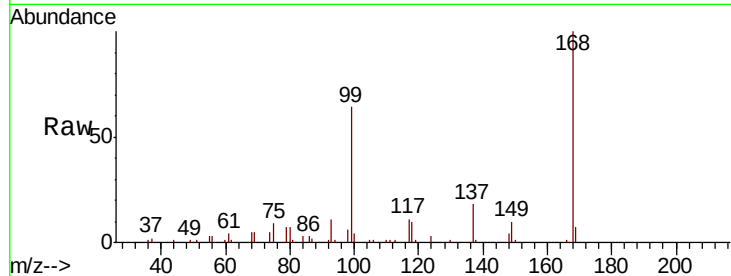
Tot Ion:117 Resp: 10874

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

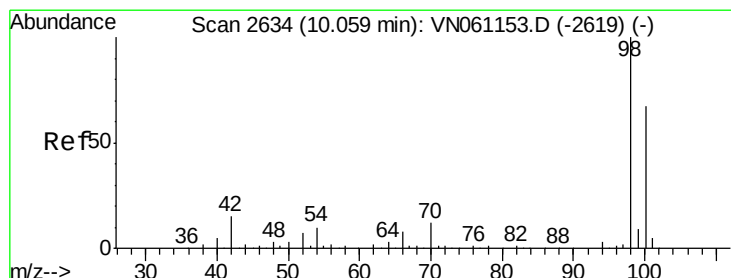
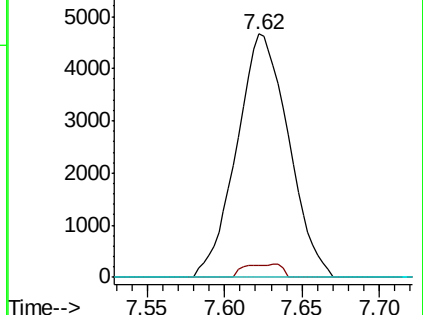
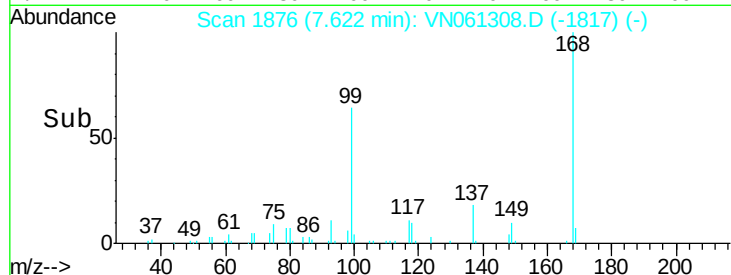
121 0.0 24.7 37.1#



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: 51.440 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061308.D

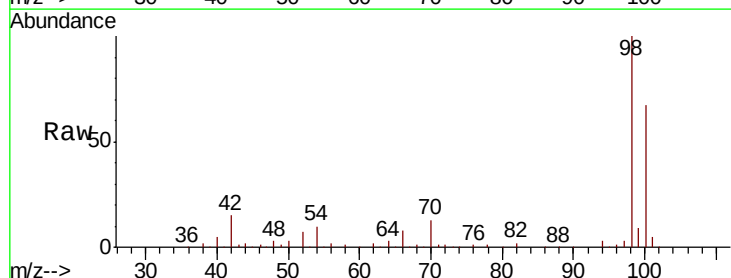
Acq: 6 May 2020 14:40

Tgt Ion: 98 Resp: 225746

Ion Ratio Lower Upper

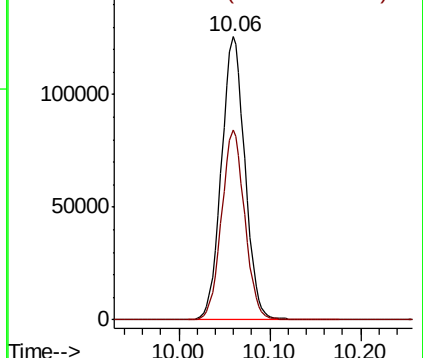
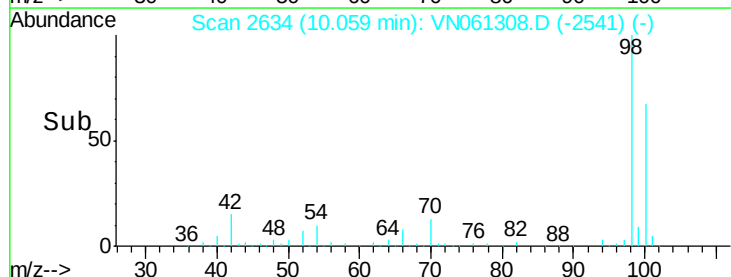
98 100

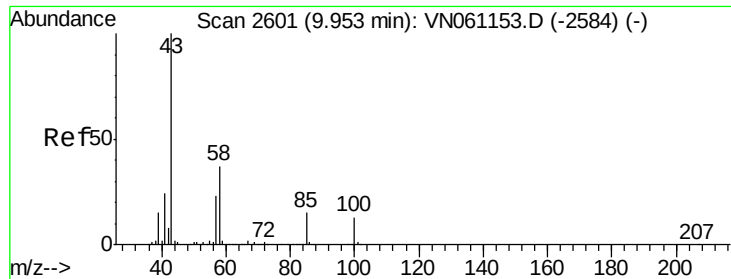
100 65.9 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

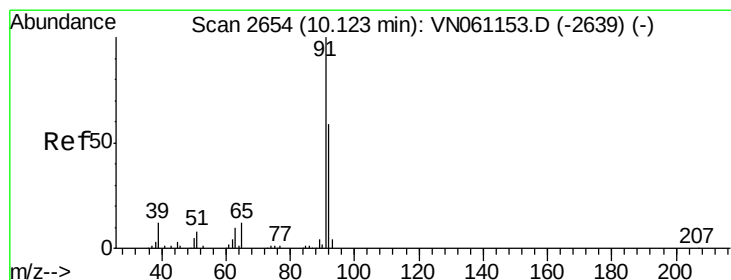
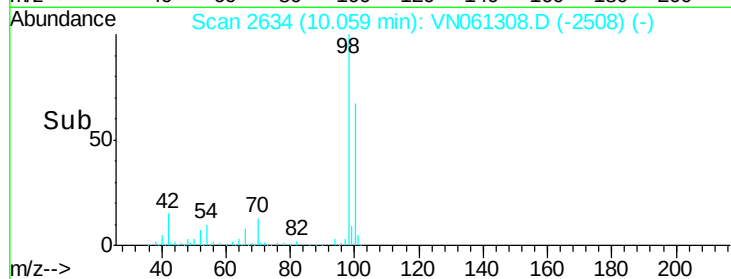
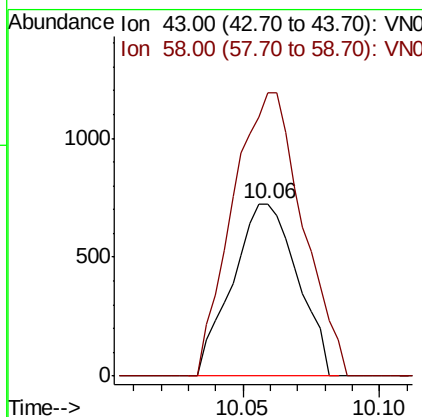
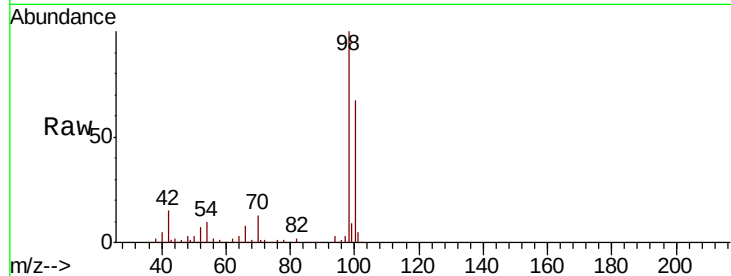




#51
 4-Methyl-2-Pentanone
 Concen: 0.574 ug/l
 RT: 10.06 min Scan# 2634
 Delta R.T. 0.11 min
 Lab File: VN061308.D
 Acq: 6 May 2020 14:40

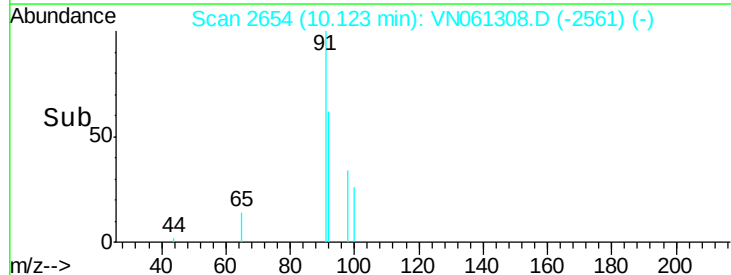
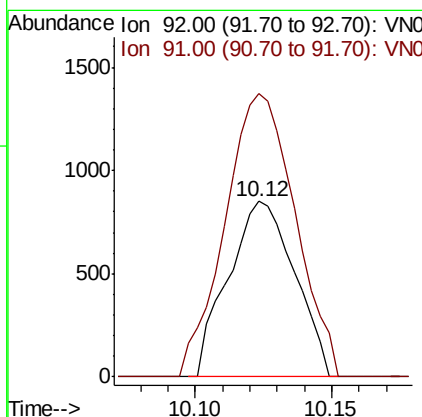
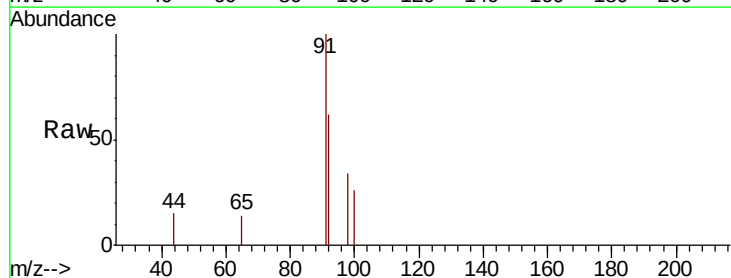
Instrument :
 MSVOA_N
 ClientSampled :

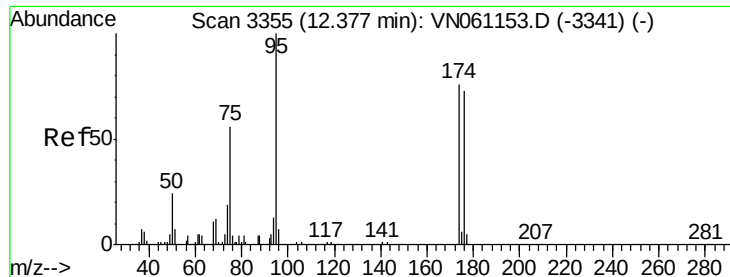
Tot Ion: 43 Resp: 1197
 Ion Ratio Lower Upper
 43 100
 58 177.3 29.1 43.7#



#52
 Toluene
 Concen: 0.439 ug/l
 RT: 10.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VN061308.D
 Acq: 6 May 2020 14:40

Tgt Ion: 92 Resp: 1435
 Ion Ratio Lower Upper
 92 100
 91 170.7 136.2 204.2





#62

4-Bromofluorobenzene

Concen: 53.082 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061308.D

Acq: 6 May 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

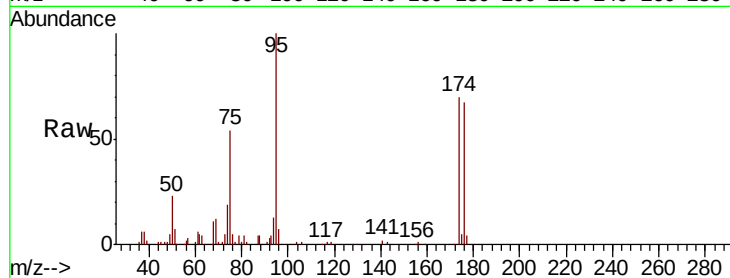
Tot Ion: 95 Resp: 87664

Ion Ratio Lower Upper

95 100

174 71.1 0.0 149.4

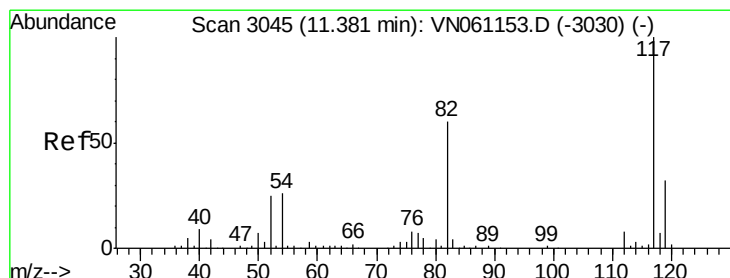
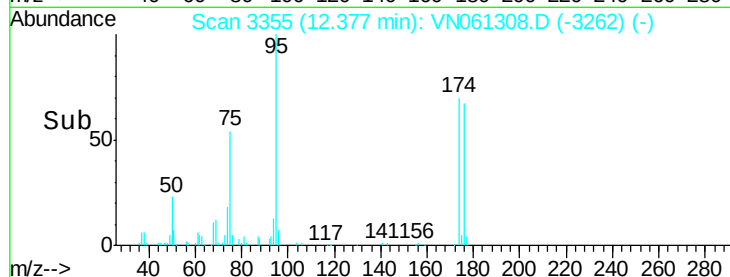
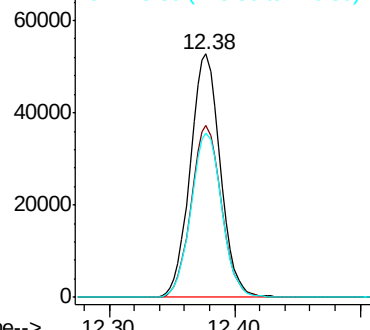
176 68.7 0.0 144.8



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: VN061308.D

Acq: 6 May 2020 14:40

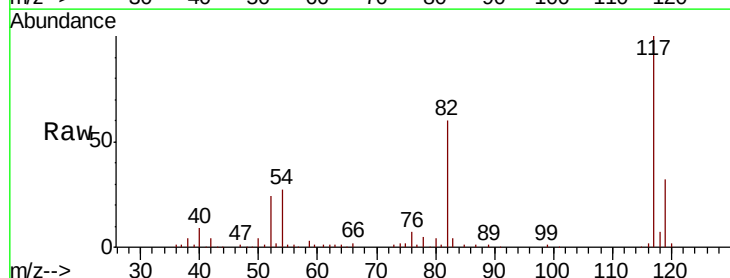
Tgt Ion: 117 Resp: 172759

Ion Ratio Lower Upper

117 100

82 60.1 47.8 71.8

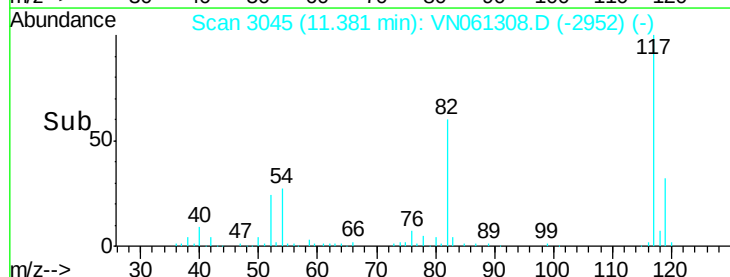
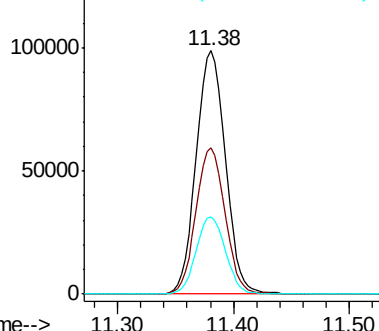
119 32.0 25.8 38.6

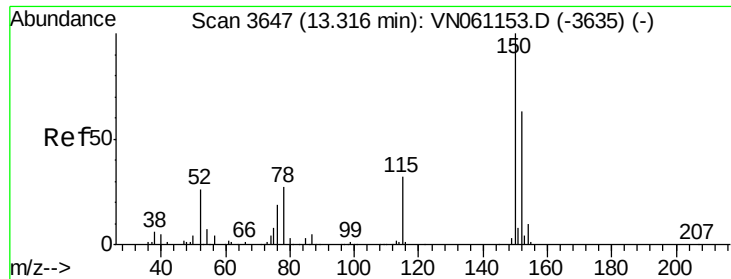


Abundance Ion 116.90 (116.60 to 117.60): VN061153.D (-3030) (-)

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: VN061308.D

Acq: 6 May 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

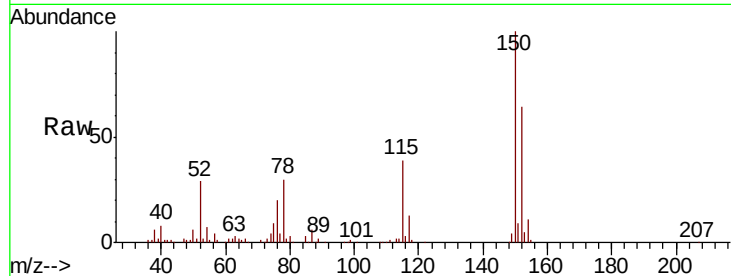
Tot Ion:152 Resp: 74770

Ion Ratio Lower Upper

152 100

115 62.2 31.0 93.0

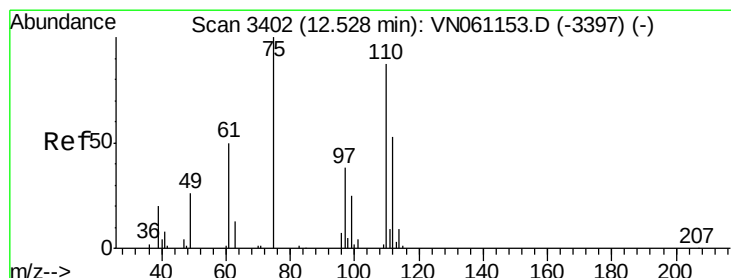
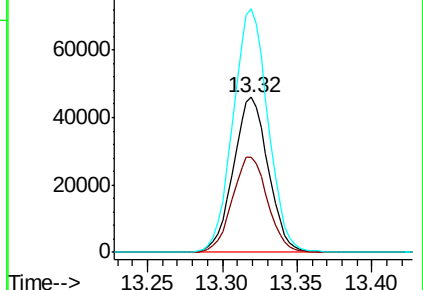
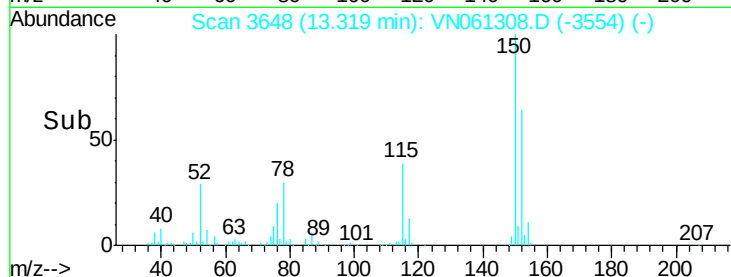
150 157.8 0.0 351.8



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: 30.494 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061308.D

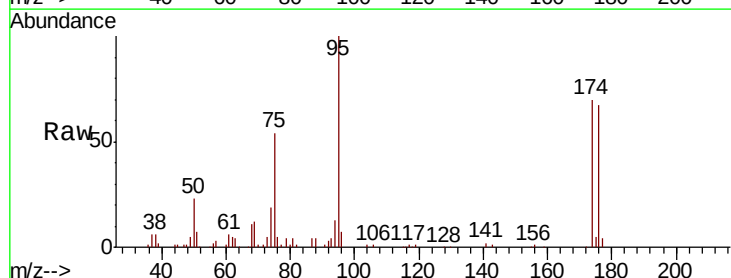
Acq: 6 May 2020 14:40

Tgt Ion: 75 Resp: 48069

Ion Ratio Lower Upper

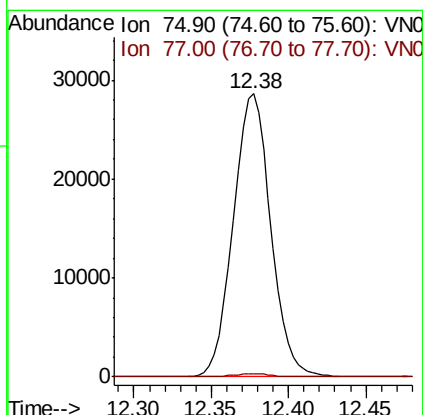
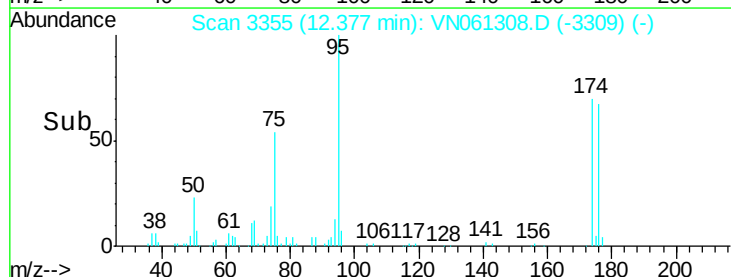
75 100

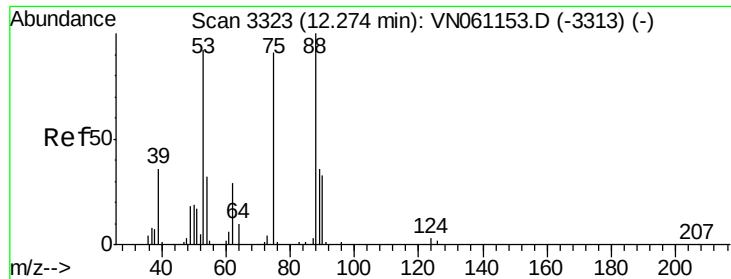
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

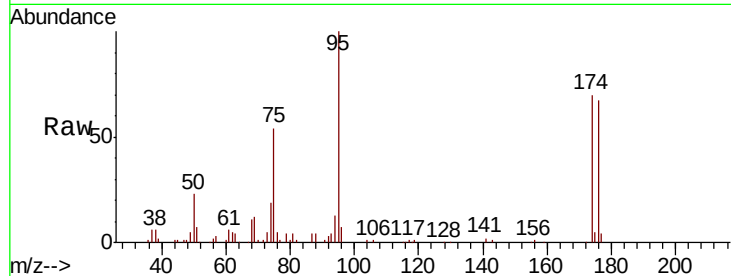




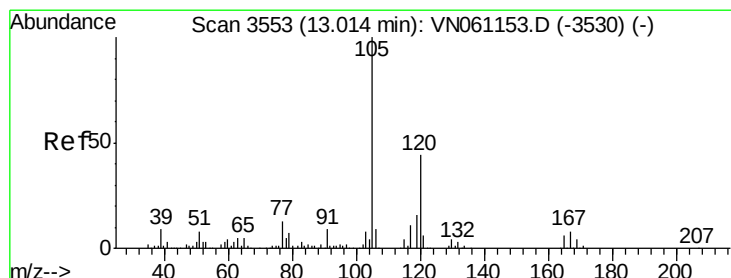
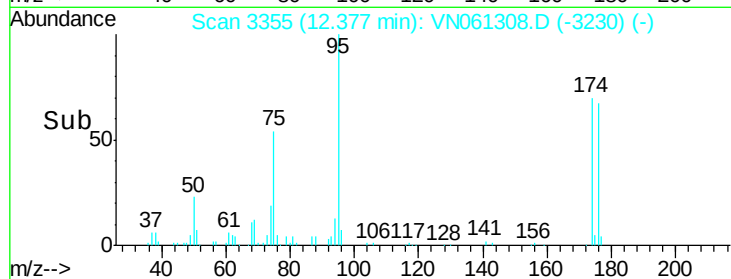
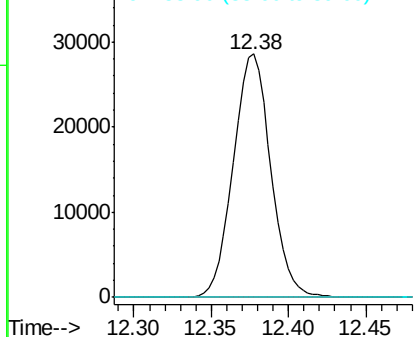
#81
trans-1,4-Dichloro-2-butene
Concen: 77.438 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.10 min
Lab File: VN061308.D
Acq: 6 May 2020 14:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 48069
Ion Ratio Lower Upper
75 100
53 0.0 84.1 126.1#
89 0.0 35.2 52.8#

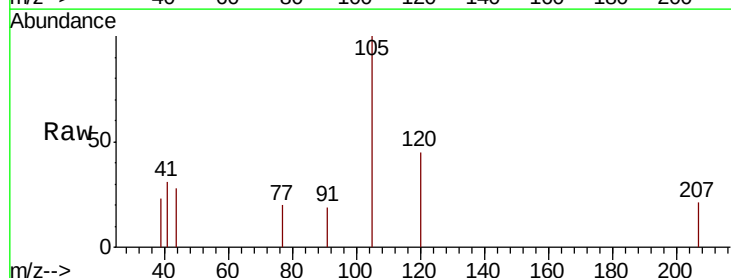


Abundance Ion 74.90 (74.60 to 75.60): VN061308.D (-3230) (-)
Ion 53.00 (52.70 to 53.70): VN061308.D (-3230) (-)
Ion 88.90 (88.60 to 89.60): VN061308.D (-3230) (-)

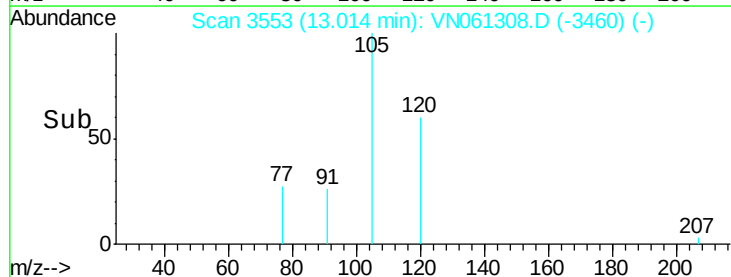
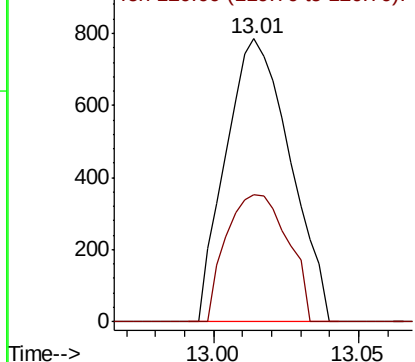


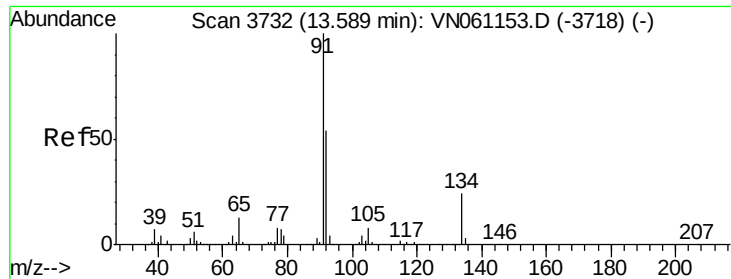
#84
1,2,4-Trimethylbenzene
Concen: 0.258 ug/l
RT: 13.01 min Scan# 3553
Delta R.T. 0.00 min
Lab File: VN061308.D
Acq: 6 May 2020 14:40

Tgt Ion: 105 Resp: 1207
Ion Ratio Lower Upper
105 100
120 43.0 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): VN061308.D (-3460) (-)
Ion 120.00 (119.70 to 120.70): VN061308.D (-3460) (-)





#89

n-Butylbenzene

Concen: 0.208 ug/l

RT: 13.59 min Scan# 3732

Delta R.T. 0.00 min

Lab File: VN061308.D

Acq: 6 May 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

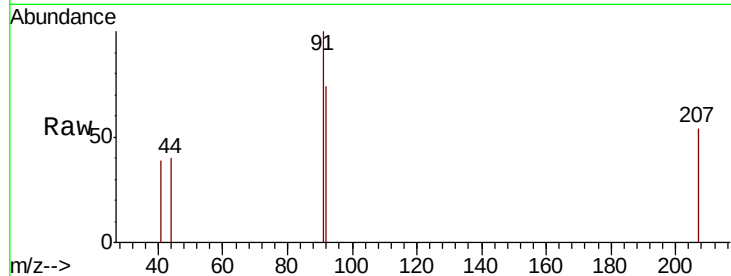
Tot Ion: 91 Resp: 899

Ion Ratio Lower Upper

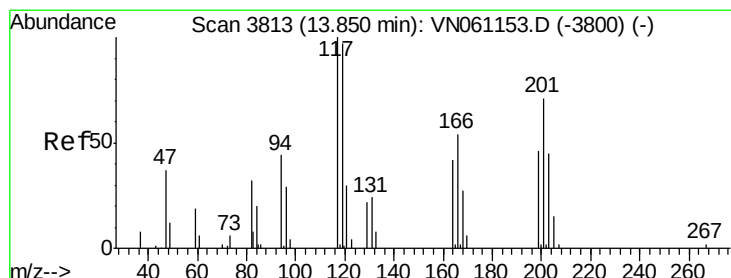
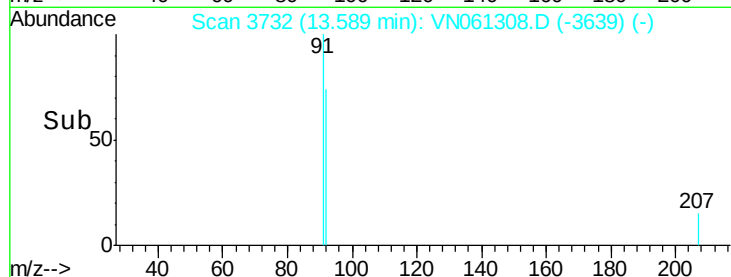
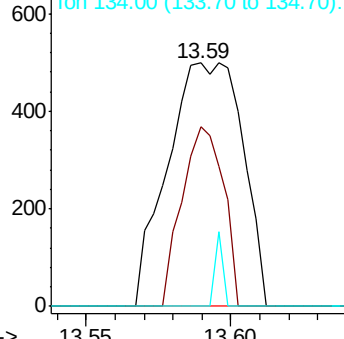
91 100

92 40.8 26.8 80.3

134 3.2 11.9 35.5#



Abundance Ion 91.00 (90.70 to 91.70): VN061308.D (-3639) (-)



#90

Hexachloroethane

Concen: 8.002 ug/l

RT: 13.97 min Scan# 3849

Delta R.T. 0.12 min

Lab File: VN061308.D

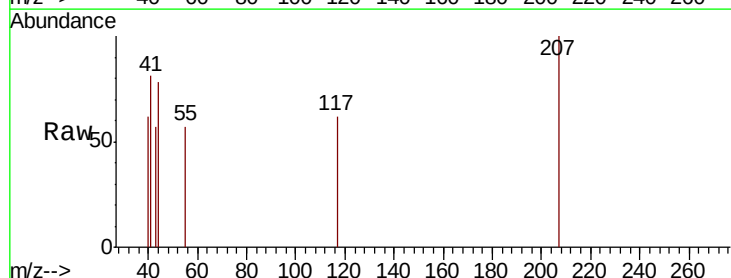
Acq: 6 May 2020 14:40

Tgt Ion: 117 Resp: 218

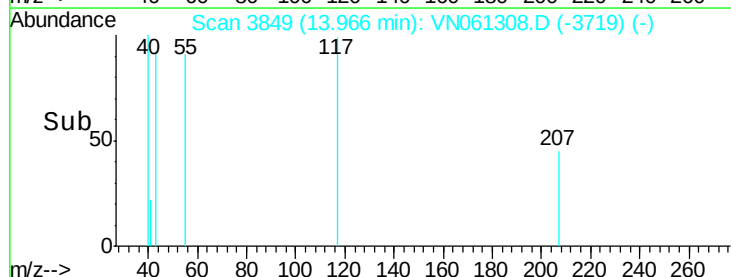
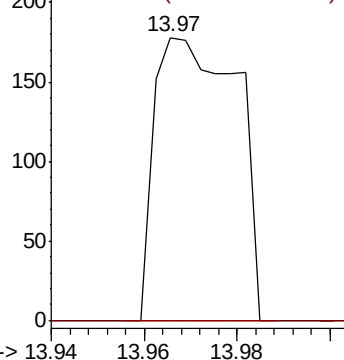
Ion Ratio Lower Upper

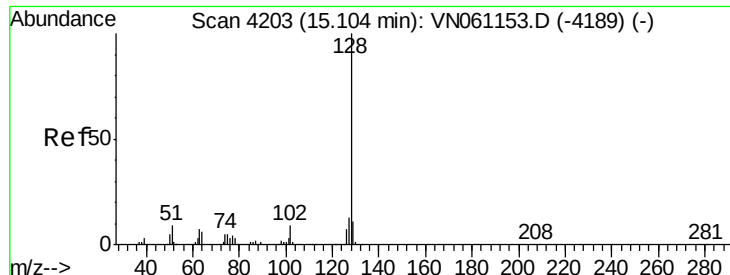
117 100

201 0.0 35.5 106.7#



Abundance Ion 116.80 (116.50 to 117.50): VN061308.D (-3719) (-)

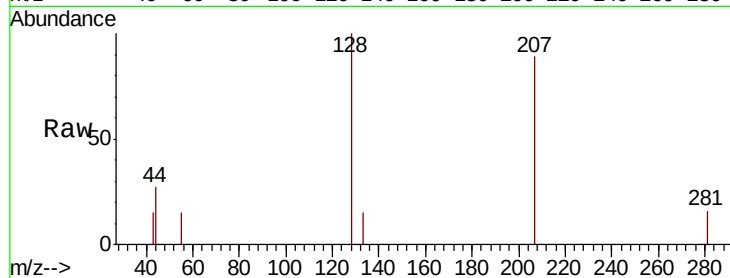




#95
Naphthalene
Concen: 0.411 ug/l
RT: 15.11 min Scan# 4204
Delta R.T. 0.00 min
Lab File: VN061308.D
Acq: 6 May 2020 14:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 1824
Ion Ratio Lower Upper
128 100
127 1.6 10.4 15.6#
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

