

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051120\
 Data File : VN061388.D
 Acq On : 11 May 2020 15:45
 Operator : JC/MD
 Sample : L2544-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 12 02:15:13 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	110248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	196796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	187487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80801	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	89561	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
35) Dibromofluoromethane	7.55	113	59451	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
50) Toluene-d8	10.06	98	245662	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.38	95	91475	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	

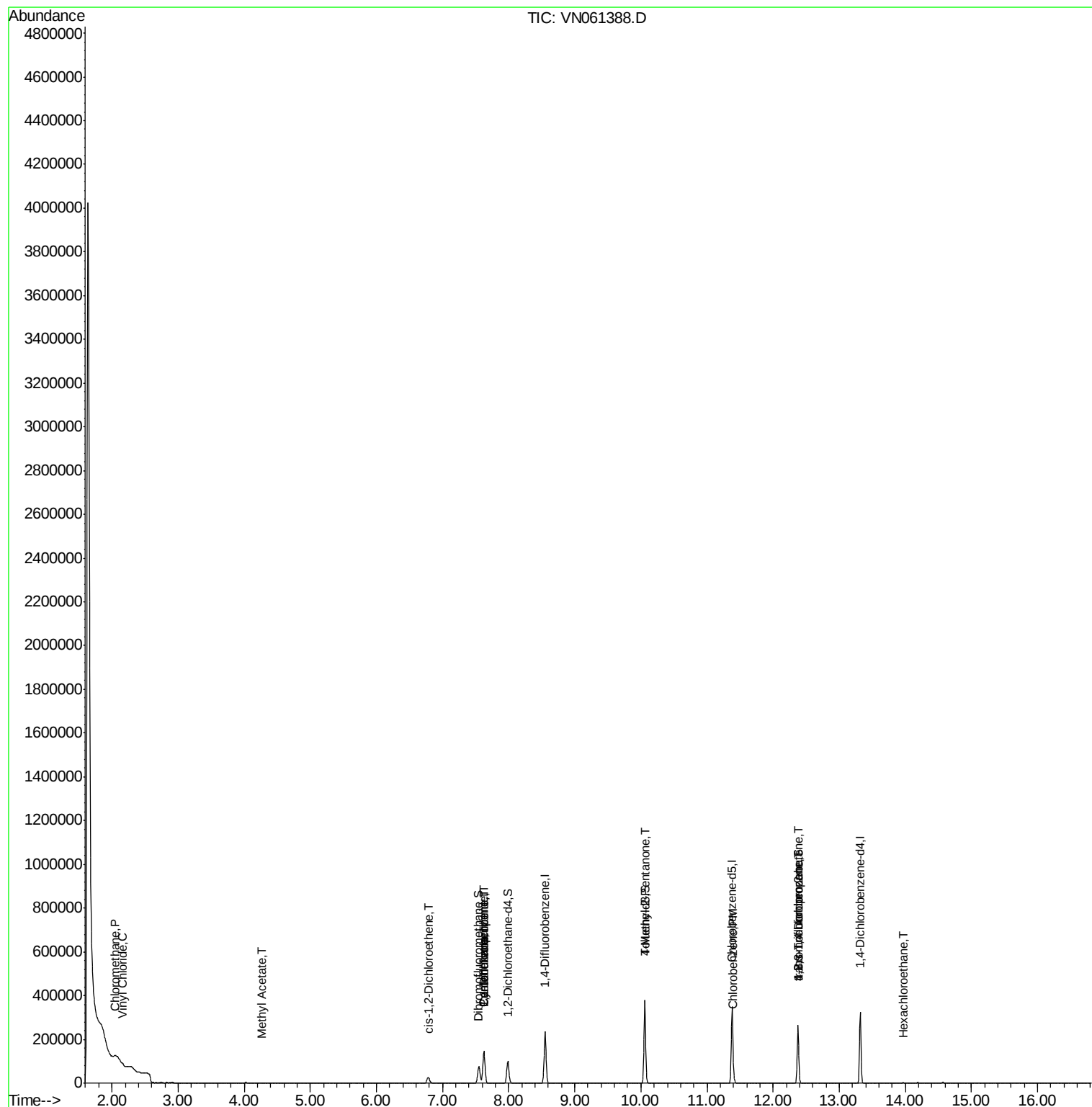
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	687	0.485	ug/l	97
4) Vinyl Chloride	2.16	62	5303	3.297	ug/l	94
16) Acetone	3.78	43	2522	Below Cal		91
18) Methyl Acetate	4.27	43	63	0.707	ug/l #	55
27) cis-1,2-Dichloroethene	6.78	96	16597	11.166	ug/l	89
31) Cyclohexane	7.62	56	2911	1.147	ug/l #	10
36) 1,1-Dichloropropene	7.63	75	9882	5.016	ug/l #	50
38) Carbon Tetrachloride	7.63	117	11636	8.464	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1228	0.544	ug/l #	1
65) Chlorobenzene	11.41	112	7852	2.111	ug/l	96
76) 1,2,3-Trichloropropane	12.38	75	50435	29.607	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50435	75.186	ug/l #	8
90) Hexachloroethane	13.97	117	1338	9.761	ug/l #	14

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

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QLast Update : Tue May 05 07:01:08 2020
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: VN061388.D

Acq: 11 May 2020 15:45

Instrument :

MSVOA_N

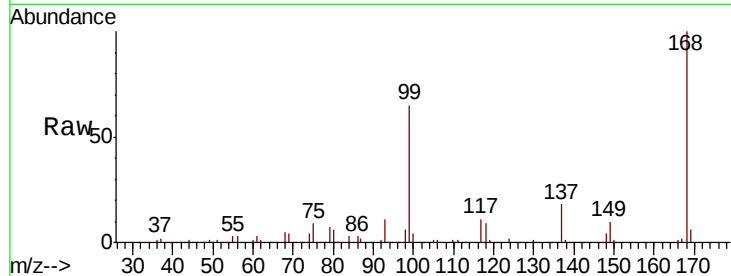
ClientSampleId :

Tot Ion:168 Resp: 110248

Ion Ratio Lower Upper

168 100

99 64.8 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

50000

40000

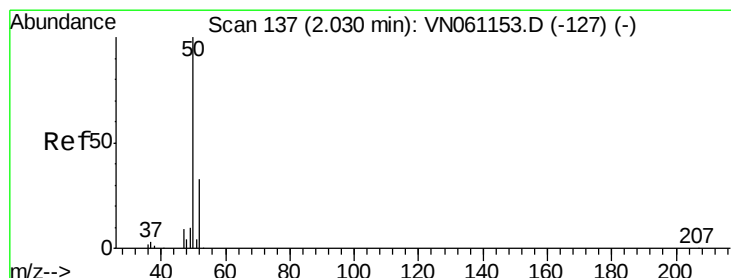
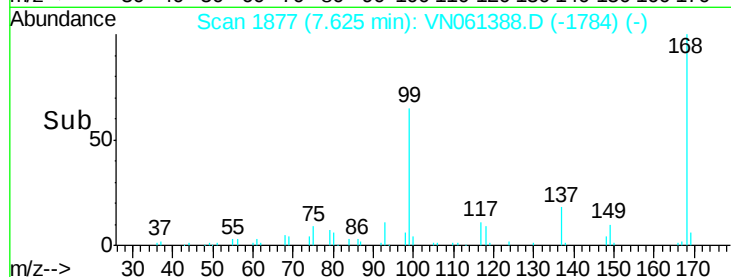
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.485 ug/l

RT: 2.04 min Scan# 139

Delta R.T. 0.01 min

Lab File: VN061388.D

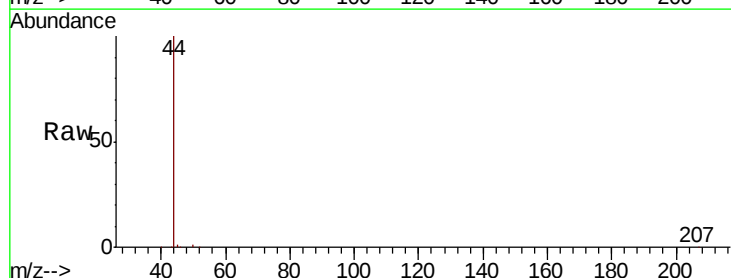
Acq: 11 May 2020 15:45

Tgt Ion: 50 Resp: 687

Ion Ratio Lower Upper

50 100

52 31.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

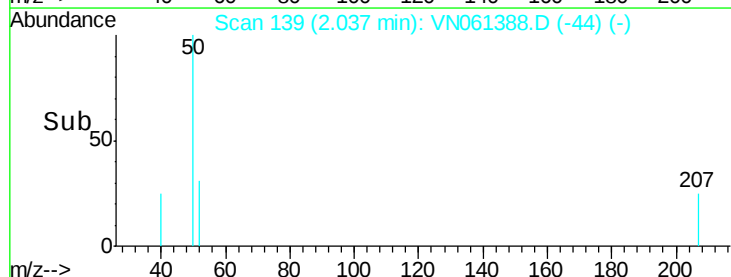
600

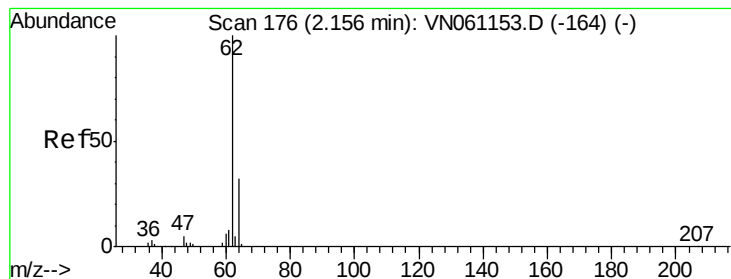
400

200

0

Time--> 2.00 2.02 2.04 2.06





#4

Vinyl Chloride

Concen: 3.297 ug/l

RT: 2.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VN061388.D

Acq: 11 May 2020 15:45

Instrument :

MSVOA_N

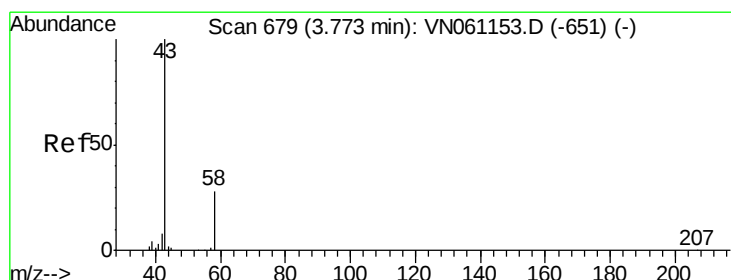
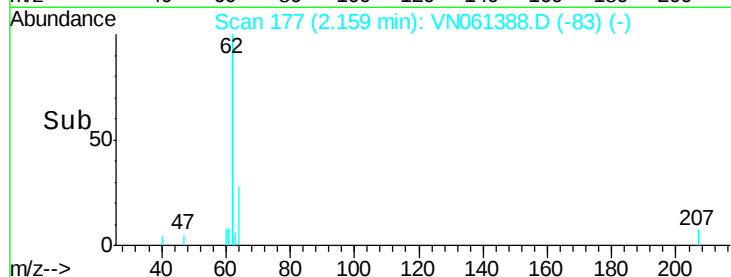
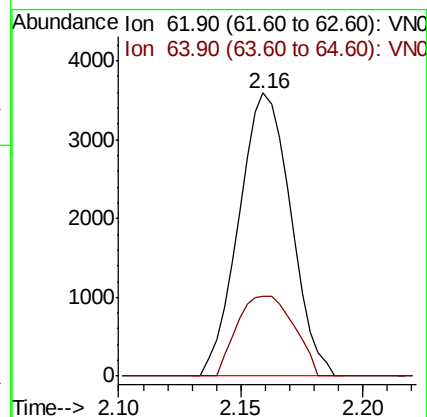
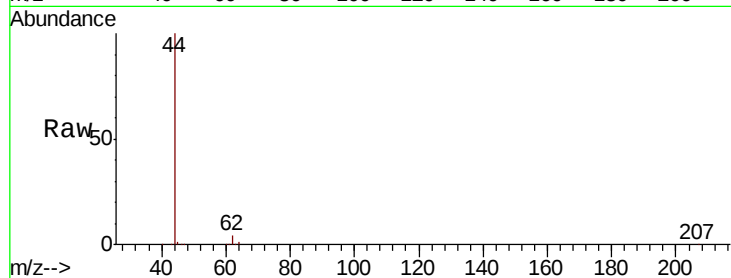
ClientSampled :

Tot Ion: 62 Resp: 5303

Ion Ratio Lower Upper

62 100

64 28.4 25.2 37.8



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061388.D

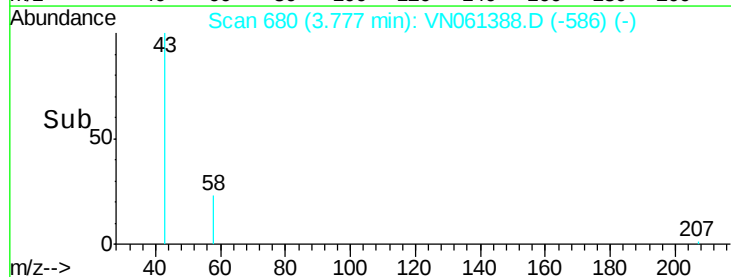
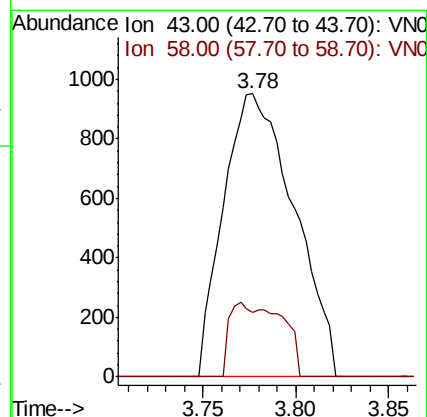
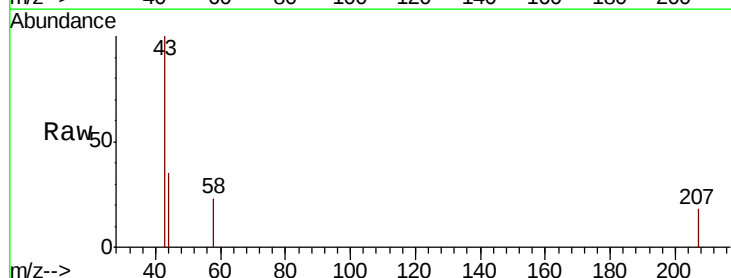
Acq: 11 May 2020 15:45

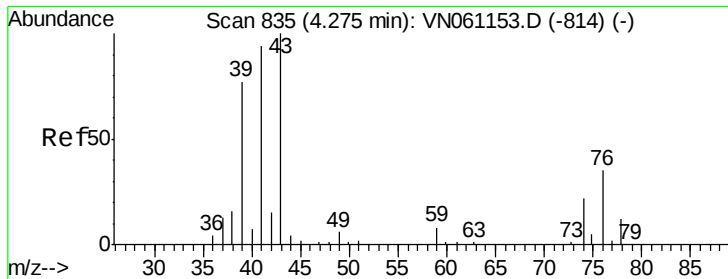
Tgt Ion: 43 Resp: 2522

Ion Ratio Lower Upper

43 100

58 22.8 22.2 33.2

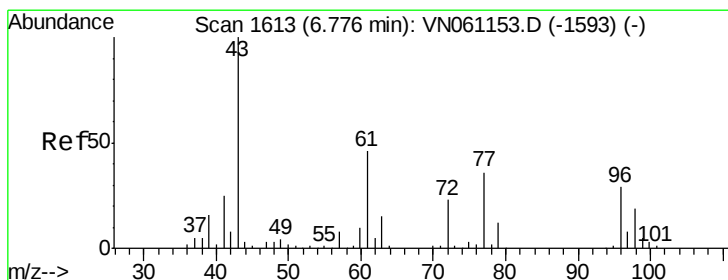
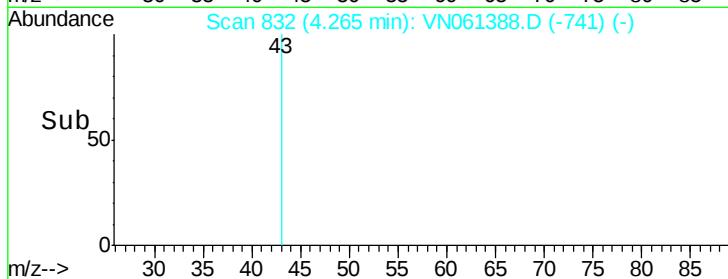
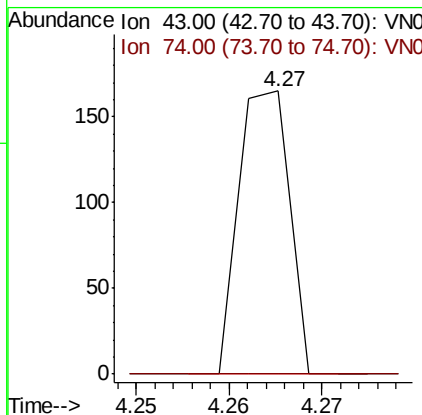
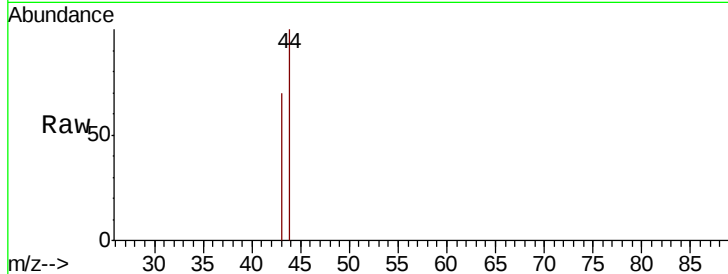




#18
Methvl Acetate
Concen: 0.707 ug/l
RT: 4.27 min Scan# 832
Delta R.T. -0.01 min
Lab File: VN061388.D
Acq: 11 May 2020 15:45

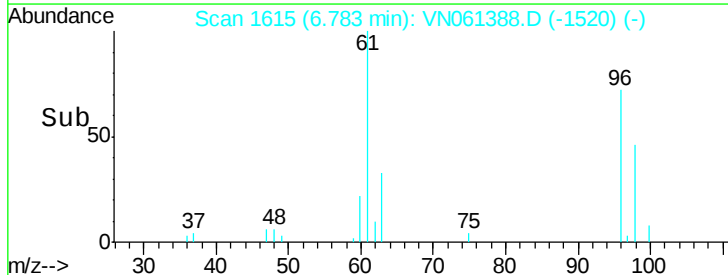
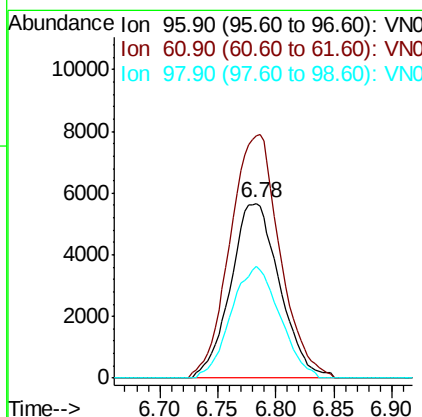
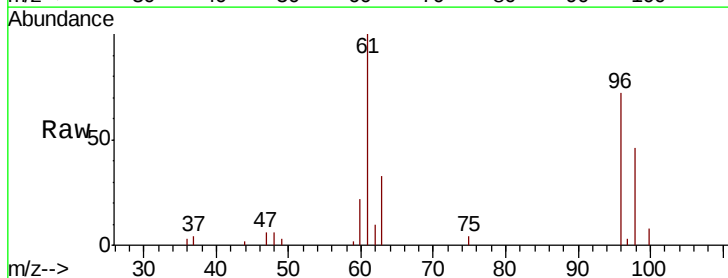
Instrument :
MSVOA_N
ClientSampleId :

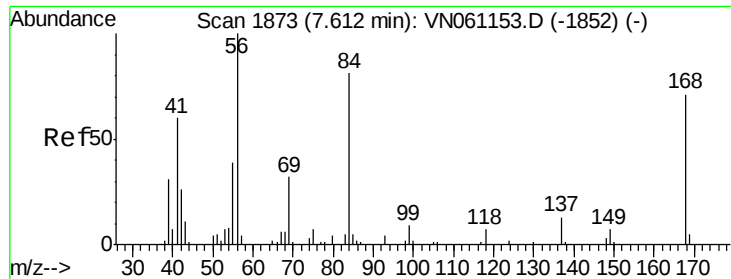
Tot Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#27
cis-1,2-Dichloroethene
Concen: 11.166 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.01 min
Lab File: VN061388.D
Acq: 11 May 2020 15:45

Tgt Ion: 96 Resp: 16597
Ion Ratio Lower Upper
96 100
61 142.1 0.0 322.0
98 63.6 0.0 129.6

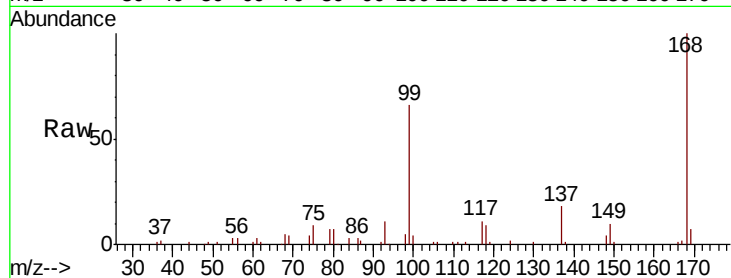




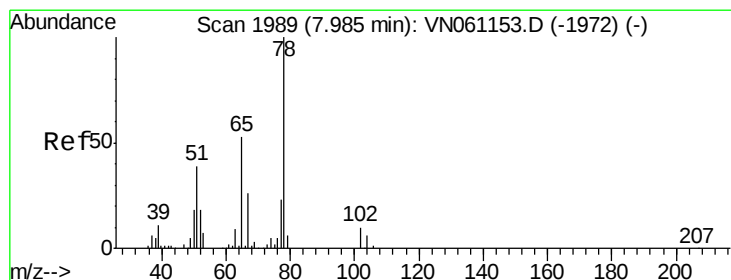
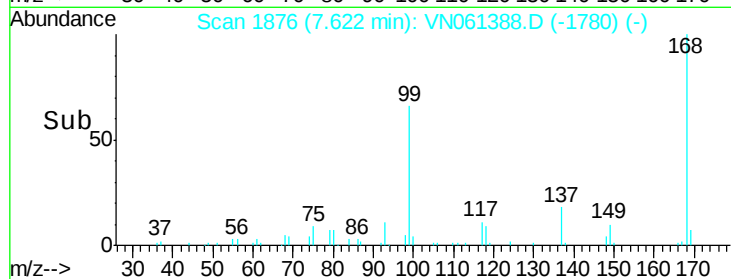
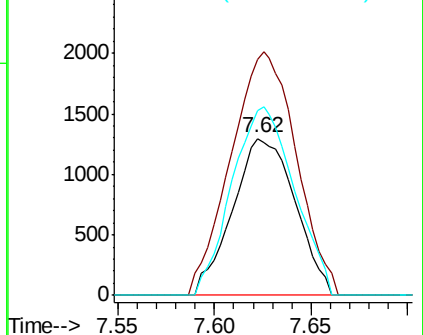
#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061388.D
Acq: 11 May 2020 15:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2911
Ion Ratio Lower Upper
56 100
69 151.0 25.7 38.5#
84 117.5 64.6 97.0#

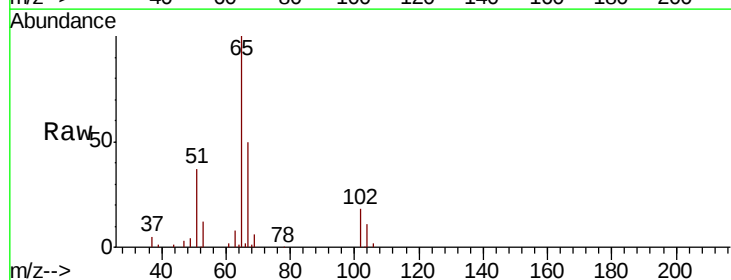


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

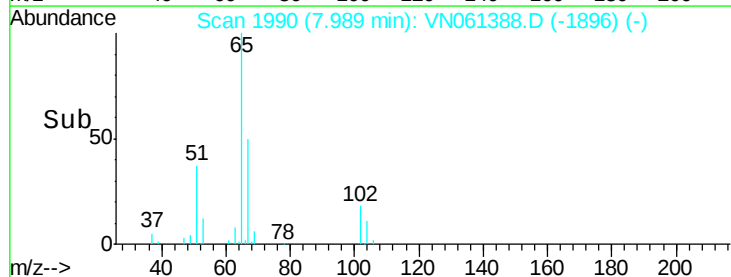
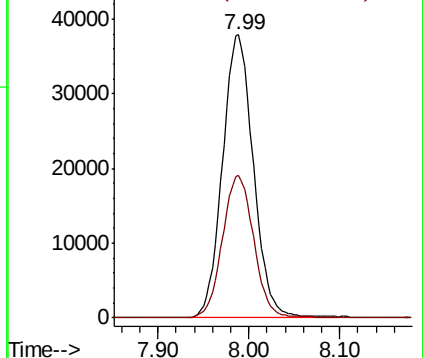


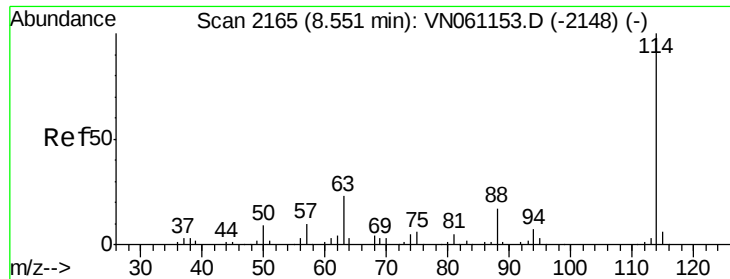
#33
1,2-Dichloroethane-d4
Concen: 51.340 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061388.D
Acq: 11 May 2020 15:45

Tgt Ion: 65 Resp: 89561
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.6



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

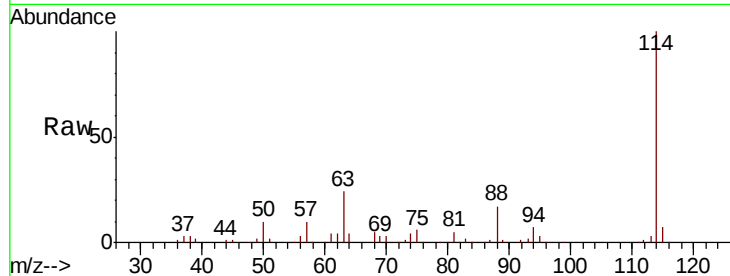




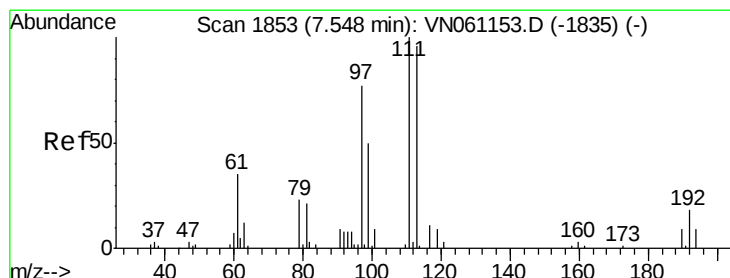
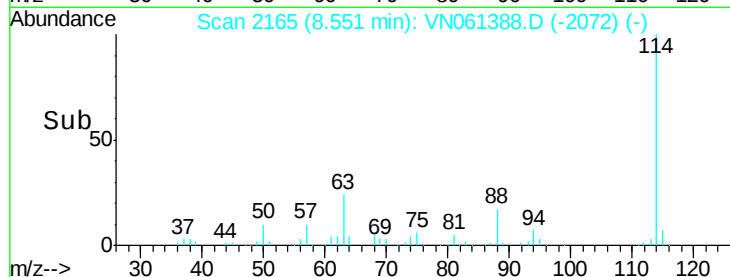
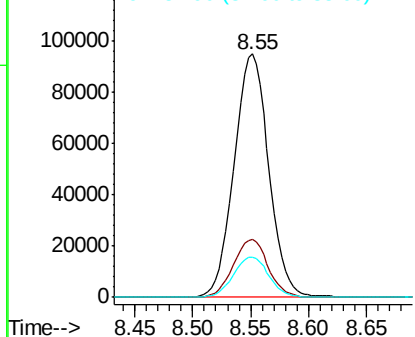
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VN061388.D
Acq: 11 May 2020 15:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 196796
Ion Ratio Lower Upper
114 100
63 23.6 0.0 46.6
88 16.5 0.0 33.4

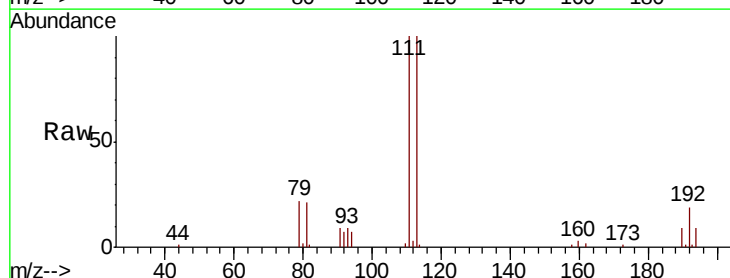


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

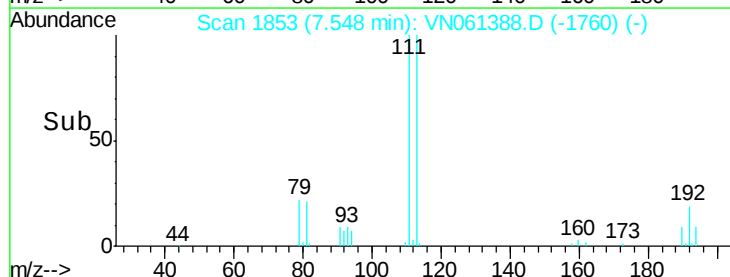
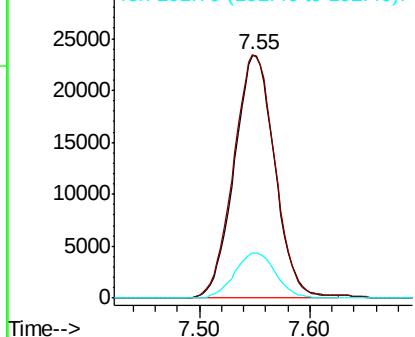


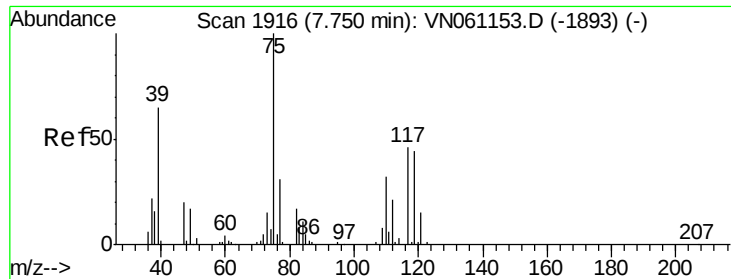
#35
Dibromofluoromethane
Concen: 51.088 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061388.D
Acq: 11 May 2020 15:45

Tgt Ion:113 Resp: 59451
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 18.8 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

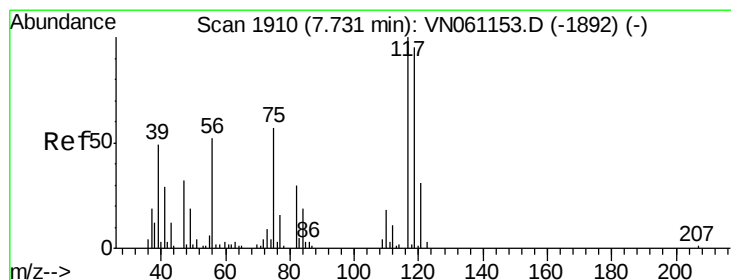
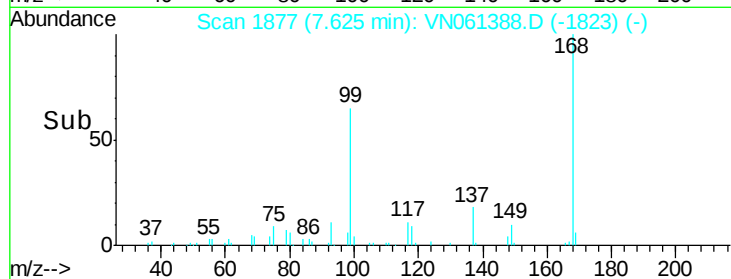
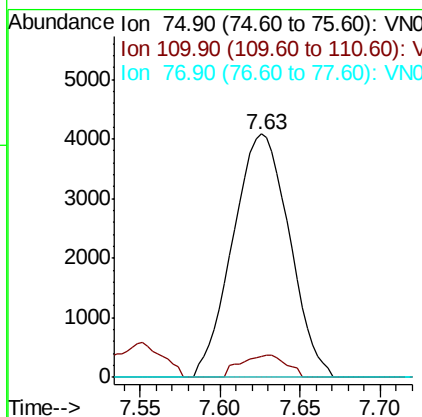
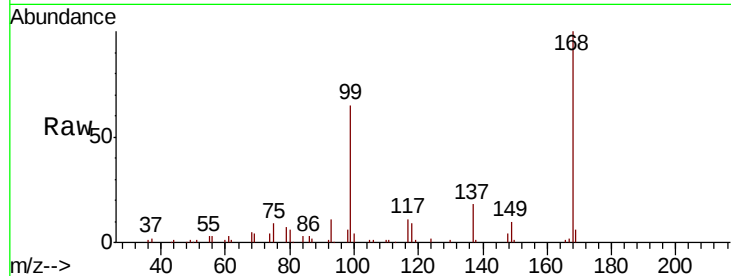




#36
 1,1-Dichloropropene
 Concen: 5.016 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061388.D
 Acq: 11 May 2020 15:45

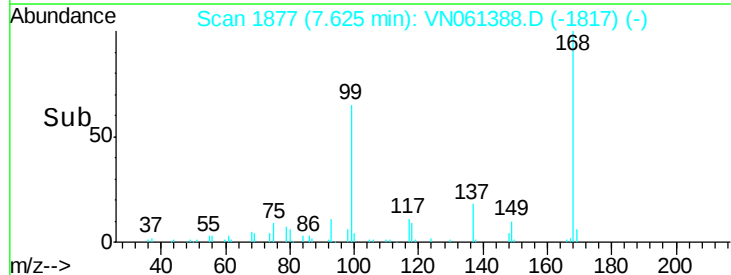
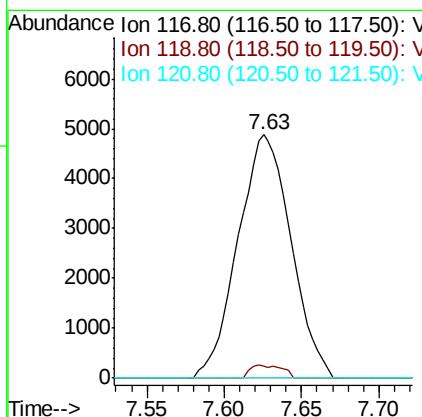
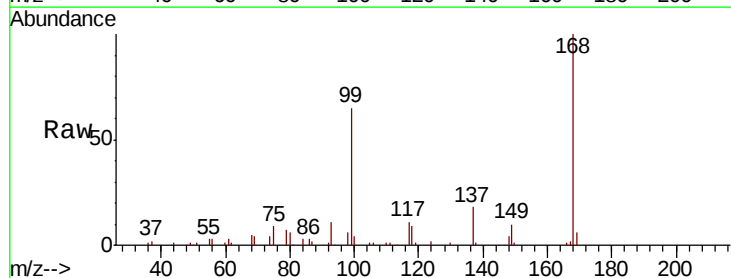
Instrument :
 MSVOA_N
 ClientSampled :

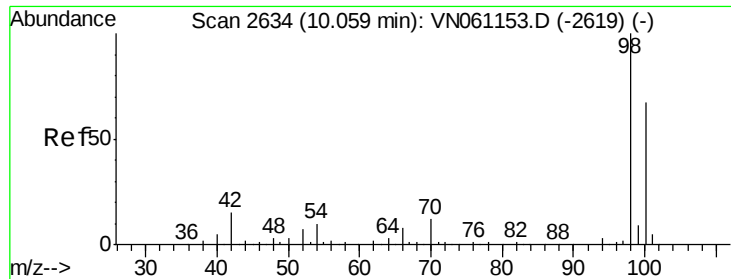
Tot Ion	75	Resp	9882
Ion Ratio	Lower	Upper	
75	100		
110	7.4	16.0	48.0#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 8.464 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.11 min
 Lab File: VN061388.D
 Acq: 11 May 2020 15:45

Tgt Ion	117	Resp	11636
Ion Ratio	Lower	Upper	
117	100		
119	4.9	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 51.785 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061388.D

Acq: 11 May 2020 15:45

Instrument :

MSVOA_N

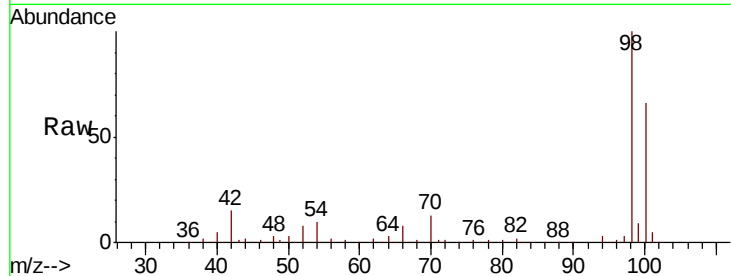
ClientSampled :

Tot Ion: 98 Resp: 245662

Ion Ratio Lower Upper

98 100

100 65.8 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

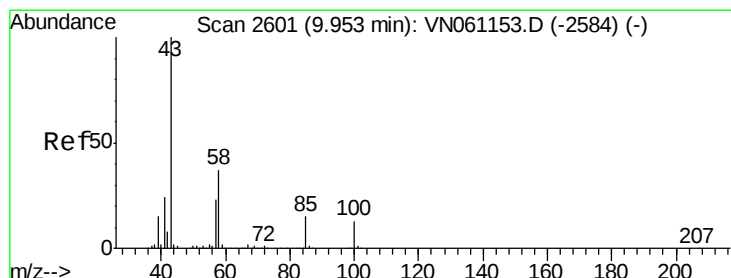
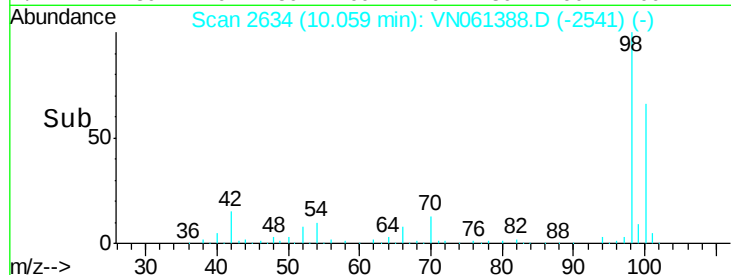
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.544 ug/l

RT: 10.06 min Scan# 2633

Delta R.T. 0.10 min

Lab File: VN061388.D

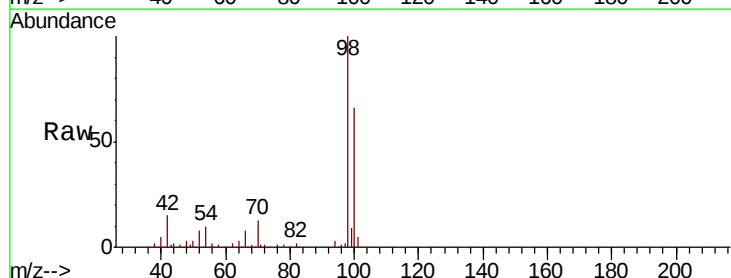
Acq: 11 May 2020 15:45

Tgt Ion: 43 Resp: 1228

Ion Ratio Lower Upper

43 100

58 175.5 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

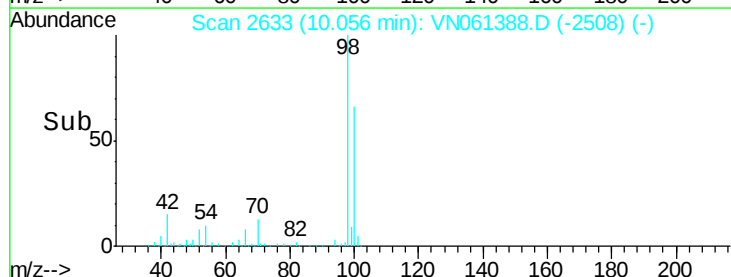
10.06

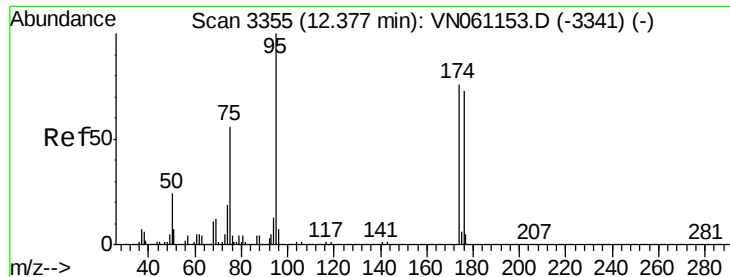
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 51.241 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061388.D

Acq: 11 May 2020 15:45

Instrument :

MSVOA_N

ClientSampleId :

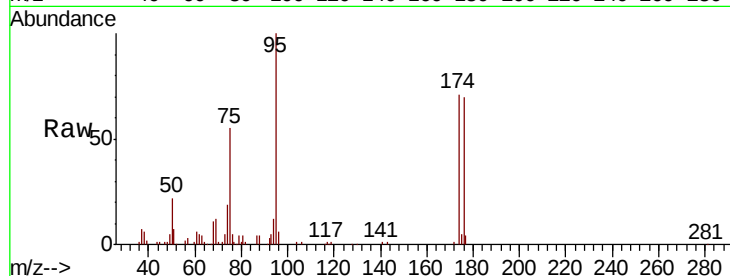
Tot Ion: 95 Resp: 91475

Ion Ratio Lower Upper

95 100

174 71.5 0.0 149.4

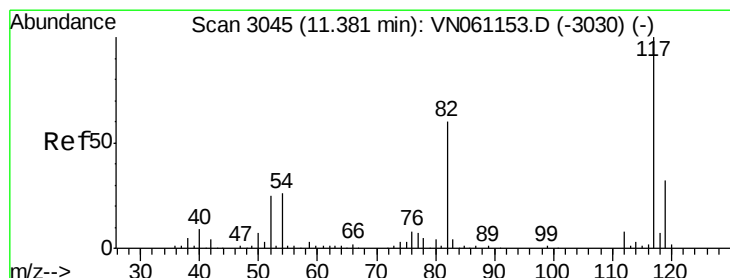
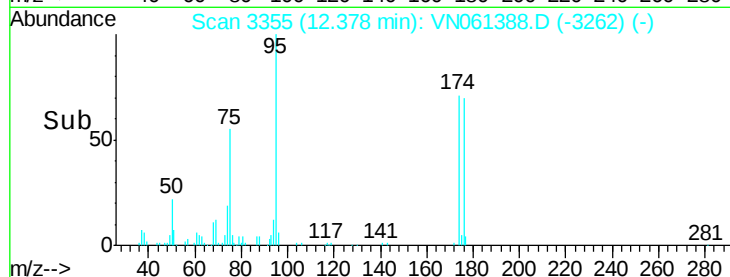
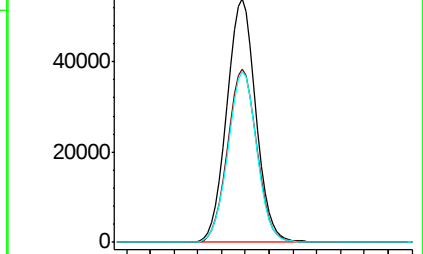
176 69.4 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061388.D (-3262) (-)

Ion 173.80 (173.50 to 174.50): VN061388.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061388.D (-3262) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061388.D

Acq: 11 May 2020 15:45

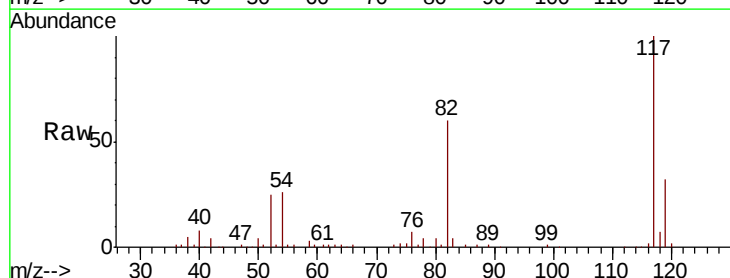
Tgt Ion: 117 Resp: 187487

Ion Ratio Lower Upper

117 100

82 60.4 47.8 71.8

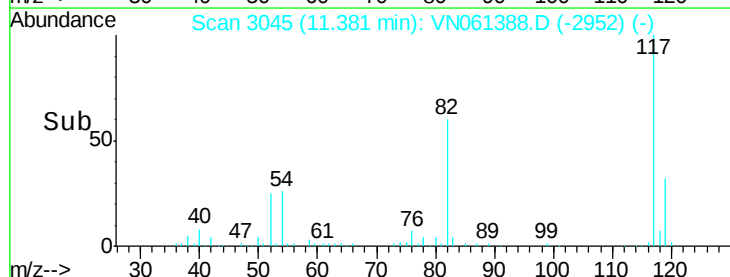
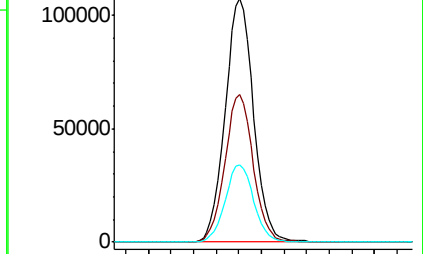
119 31.9 25.8 38.6

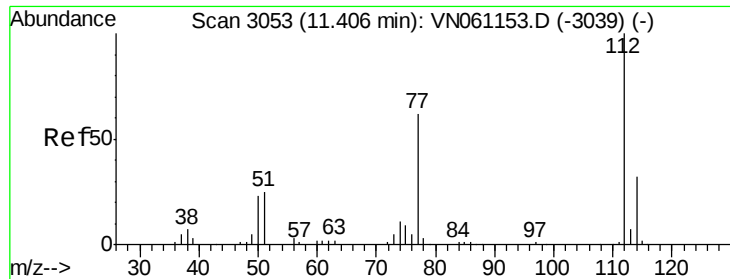


Abundance Ion 116.90 (116.60 to 117.60): VN061388.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061388.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061388.D (-2952) (-)

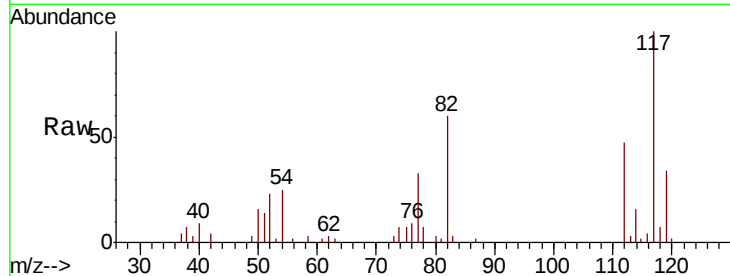




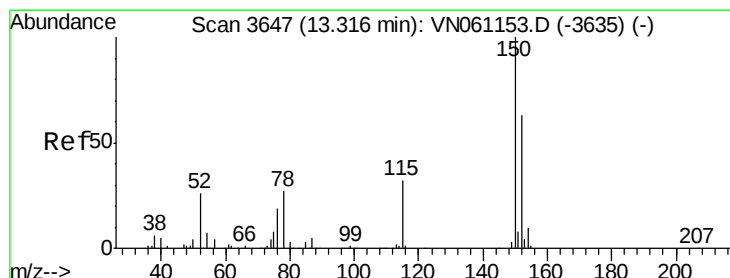
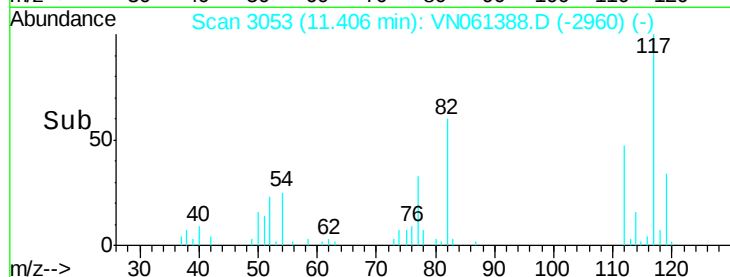
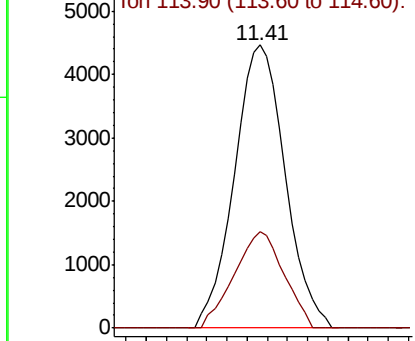
#65
Chlorobenzene
Concen: 2.111 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061388.D
Acq: 11 May 2020 15:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:112 Resp: 7852
Ion Ratio Lower Upper
112 100
114 34.1 25.4 38.2

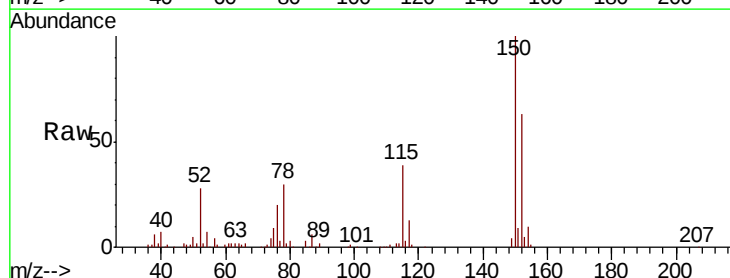


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

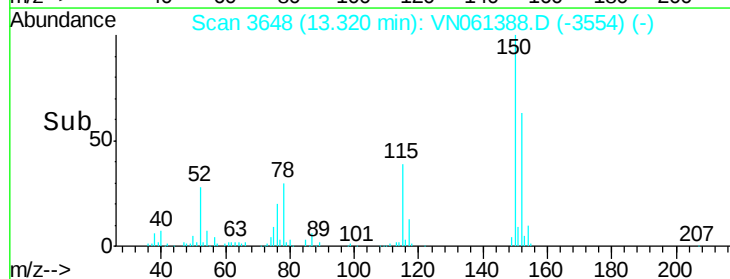
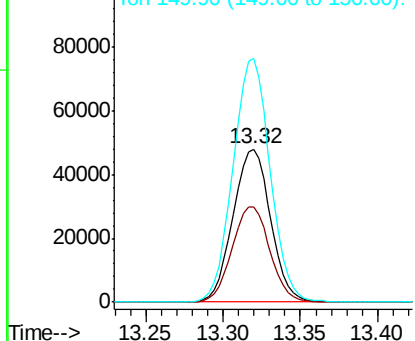


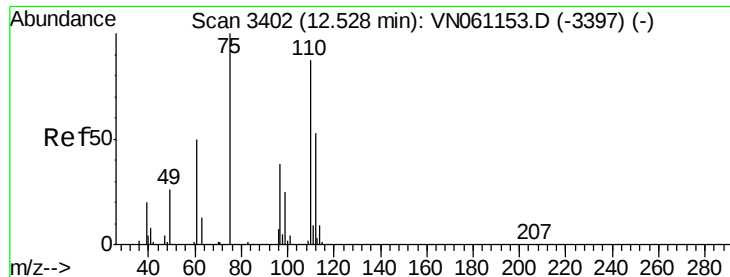
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061388.D
Acq: 11 May 2020 15:45

Tgt Ion:152 Resp: 80801
Ion Ratio Lower Upper
152 100
115 62.7 31.0 93.0
150 158.0 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: 29.607 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061388.D

Acq: 11 May 2020 15:45

Instrument :

MSVOA_N

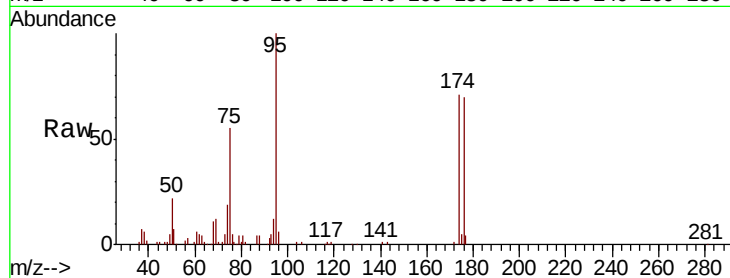
ClientSampleId :

Tot Ion: 75 Resp: 50435

Ion Ratio Lower Upper

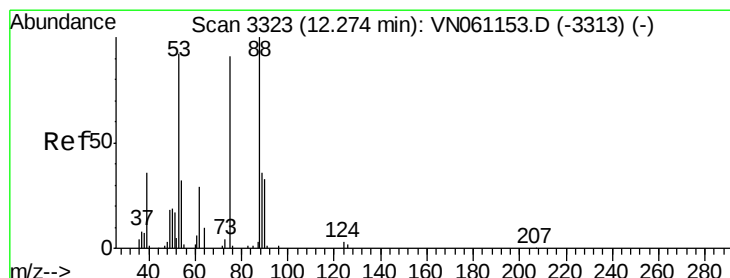
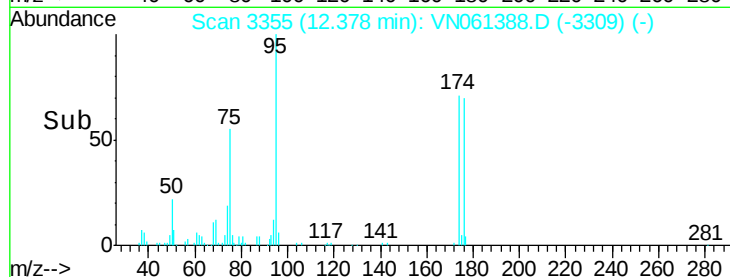
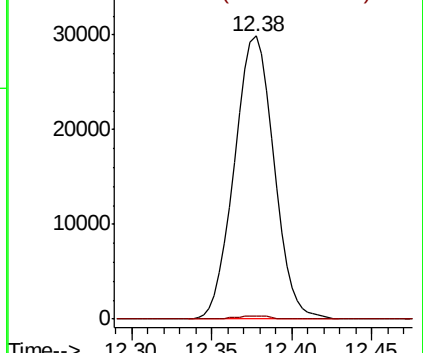
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 75.186 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061388.D

Acq: 11 May 2020 15:45

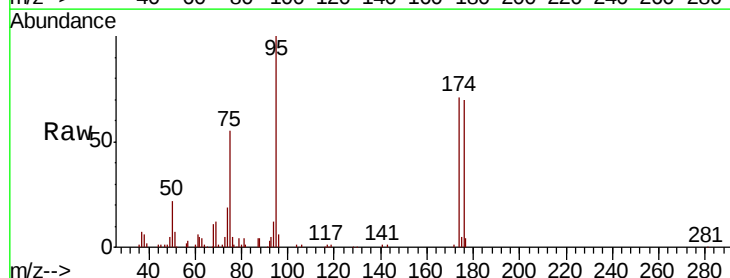
Tgt Ion: 75 Resp: 50435

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

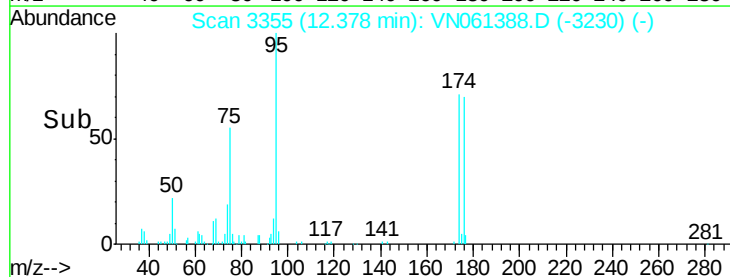
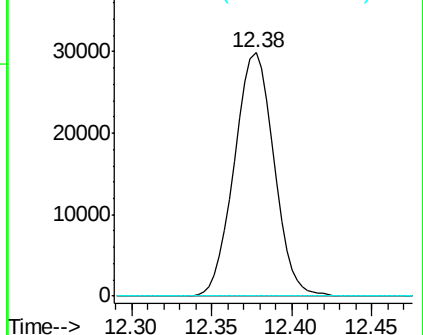
89 0.0 35.2 52.8#

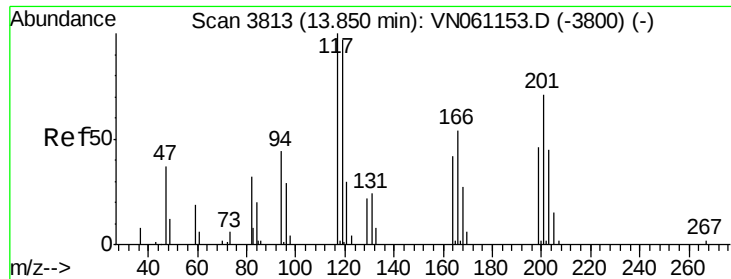


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#90

Hexachloroethane

Concen: 9.761 ug/l

RT: 13.97 min Scan# 3851

Delta R.T. 0.12 min

Lab File: VN061388.D

Acq: 11 May 2020 15:45

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:117 Resp: 1338

Ion Ratio Lower Upper

117 100

201 0.0 35.5 106.7#

