

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061878.D
 Acq On : 18 Jun 2020 3:53
 Operator : JC/MD
 Sample : L3011-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20200612

Quant Time: Jun 18 07:09:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	130963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	239184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	232773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	88451	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	87709	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
35) Dibromofluoromethane	7.55	113	77481	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
50) Toluene-d8	10.06	98	300437	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.38	95	100032	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	

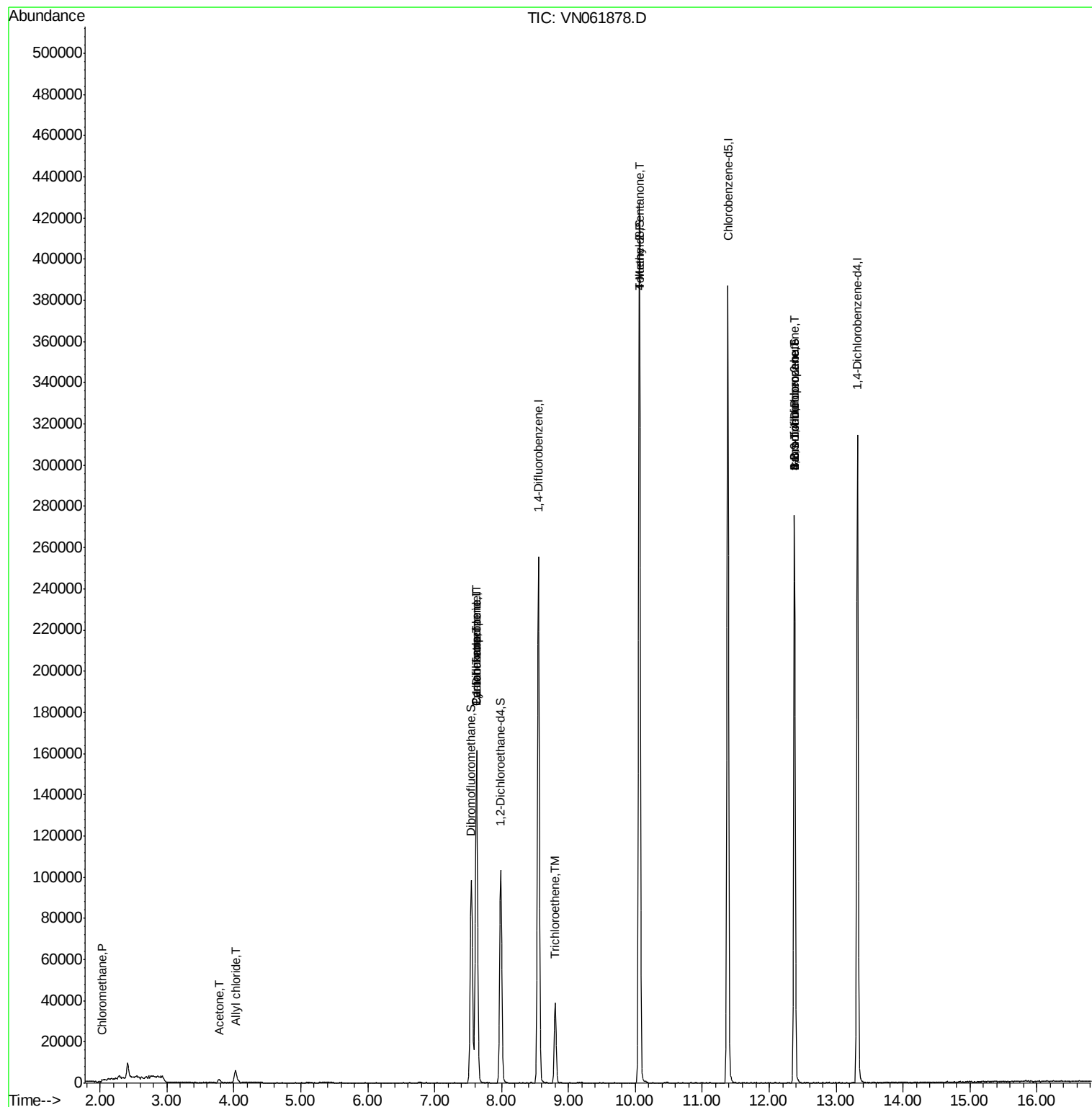
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	520	0.286	ug/l #	66
14) Allyl chloride	4.03	41	988	0.559	ug/l #	69
16) Acetone	3.78	43	2934	5.655	ug/l	91
31) Cyclohexane	7.63	56	2634	1.138	ug/l #	10
36) 1,1-Dichloropropene	7.63	75	9831	4.506	ug/l #	44
38) Carbon Tetrachloride	7.63	117	12893	5.968	ug/l #	18
44) Trichloroethene	8.80	130	14982	8.614	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	963	0.568	ug/l #	1
71) Bromoform	12.38	173	972	0.778	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	49103	28.277	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49103	77.123	ug/l #	14

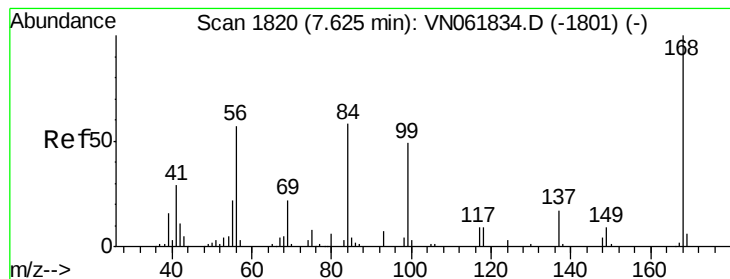
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061720\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061878.D

Acq: 18 Jun 2020 3:53

Instrument :

MSVOA_N

ClientSampleId :

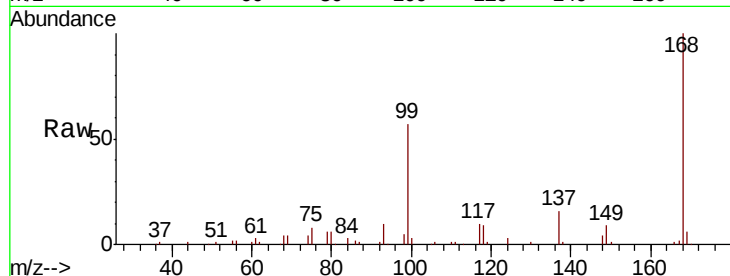
RE123D1-20200612

Tot Ion:168 Resp: 130963

Ion Ratio Lower Upper

168 100

99 56.7 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

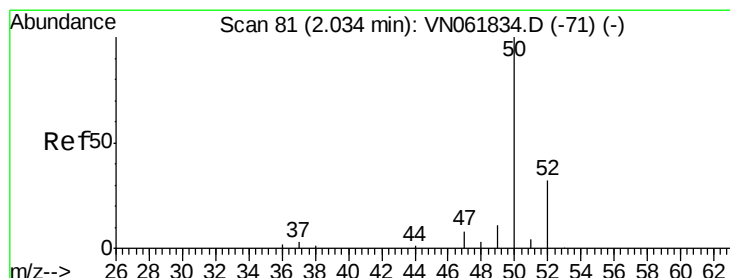
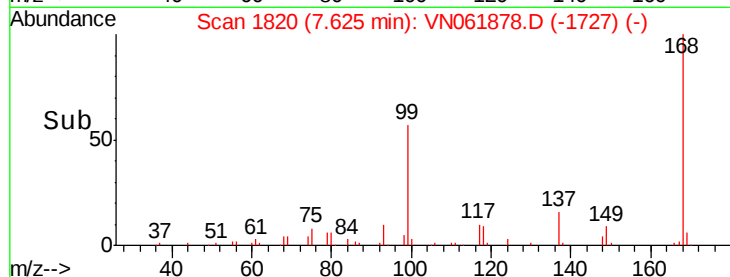
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.286 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061878.D

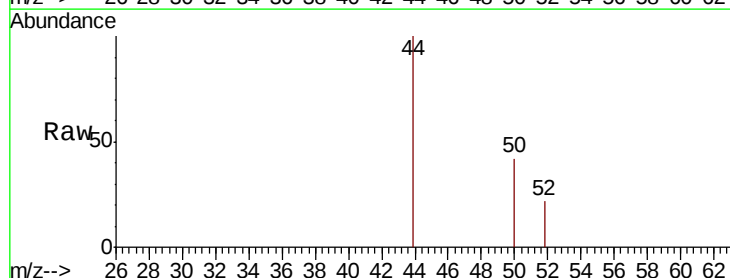
Acq: 18 Jun 2020 3:53

Tgt Ion: 50 Resp: 520

Ion Ratio Lower Upper

50 100

52 51.5 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

500

400

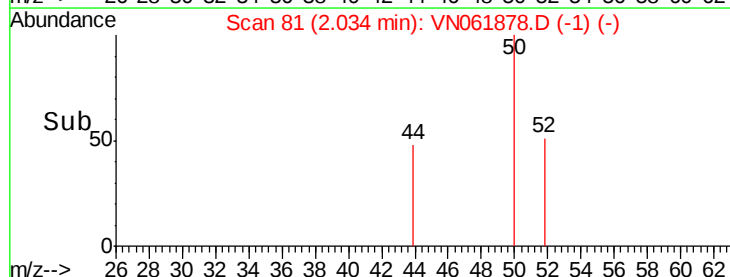
300

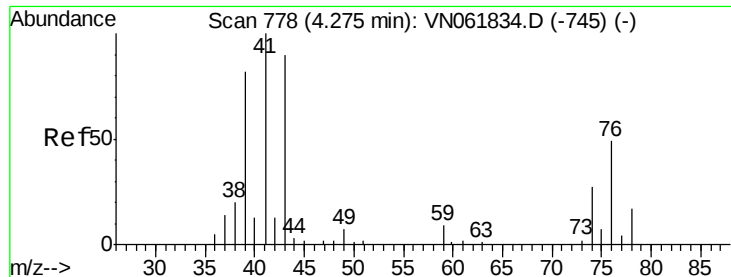
200

100

0

Time--> 2.00 2.02 2.04 2.06

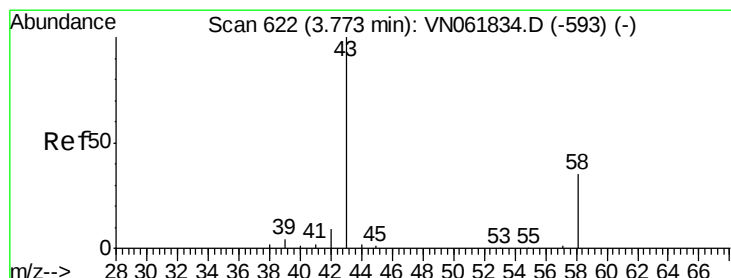
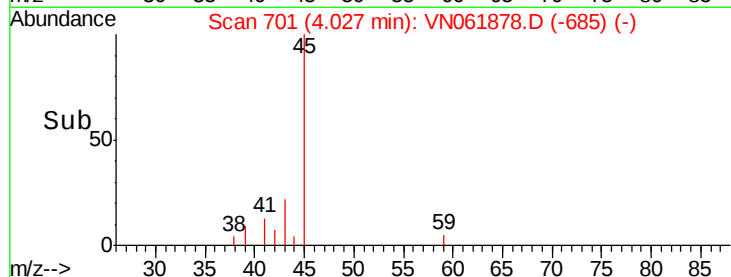
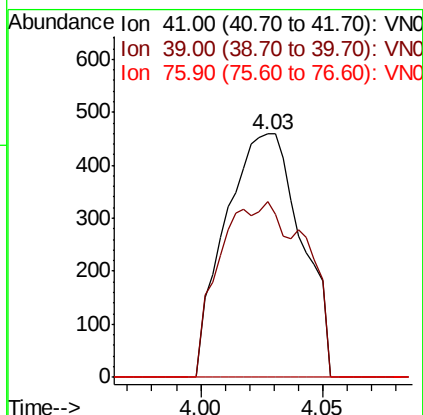
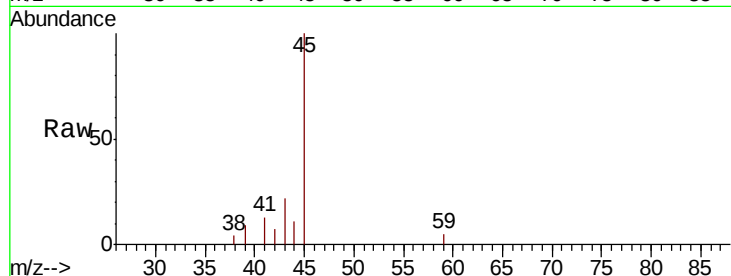




#14
Allvl chloride
Concen: 0.559 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.25 min
Lab File: VN061878.D
Acq: 18 Jun 2020 3:53

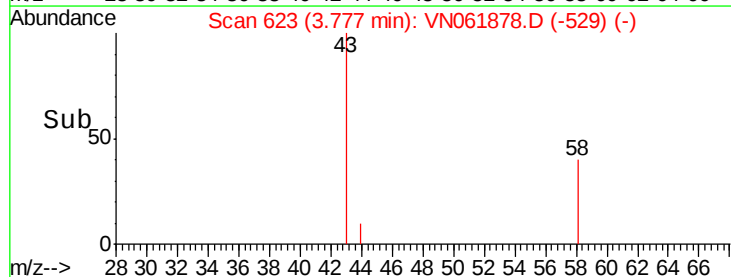
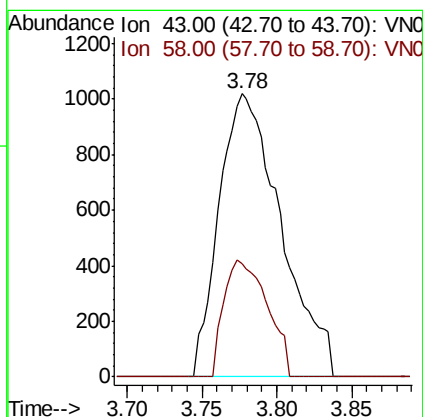
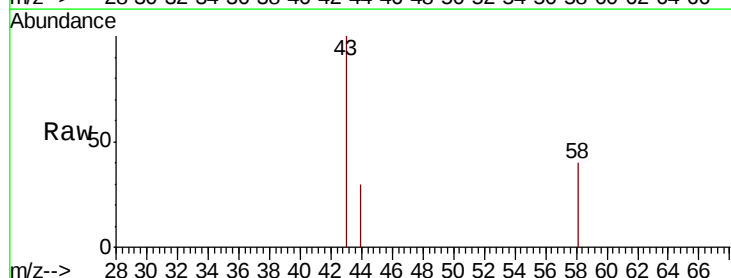
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20200612

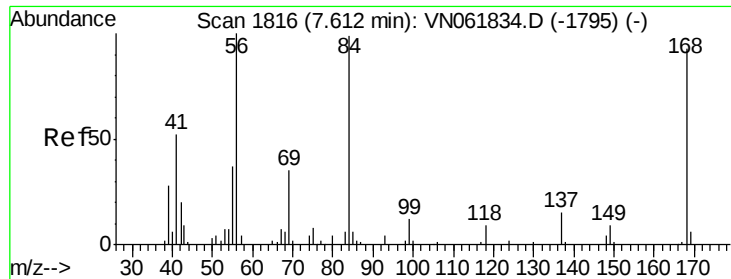
Tot Ion: 41 Resp: 988
Ion Ratio Lower Upper
41 100
39 82.0 60.2 90.2
76 0.0 36.3 54.5#



#16
Acetone
Concen: 5.655 ug/l
RT: 3.78 min Scan# 623
Delta R.T. 0.00 min
Lab File: VN061878.D
Acq: 18 Jun 2020 3:53

Tgt Ion: 43 Resp: 2934
Ion Ratio Lower Upper
43 100
58 40.1 27.8 41.8

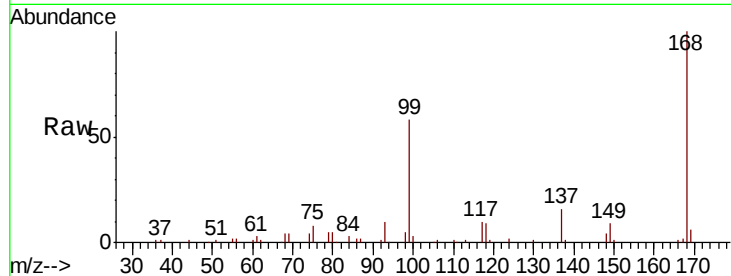




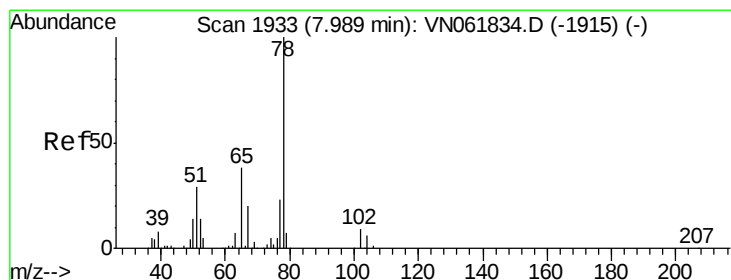
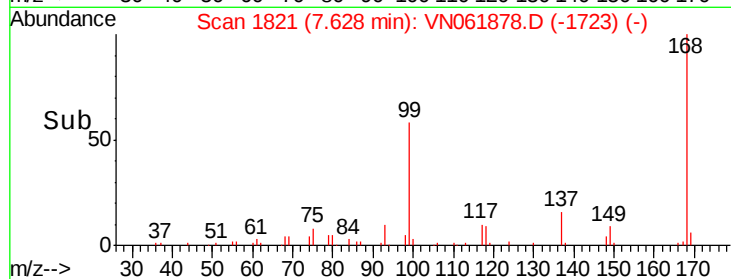
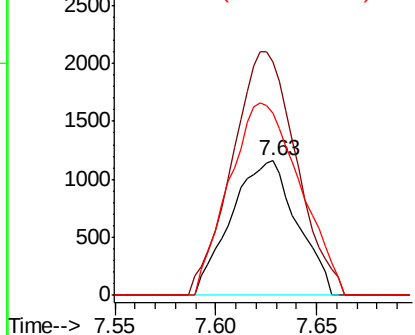
#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN061878.D
Acq: 18 Jun 2020 3:53

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20200612

Tot Ion: 56 Resp: 2634
Ion Ratio Lower Upper
56 100
69 174.1 27.7 41.5#
84 135.6 79.1 118.7#

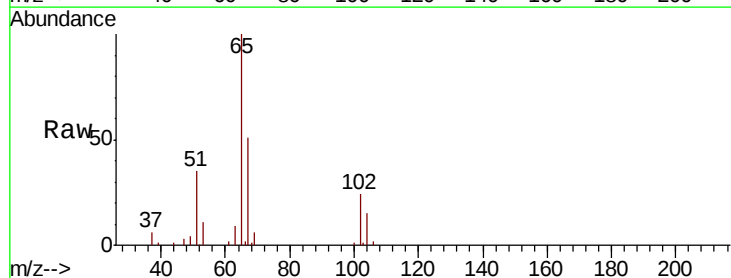


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

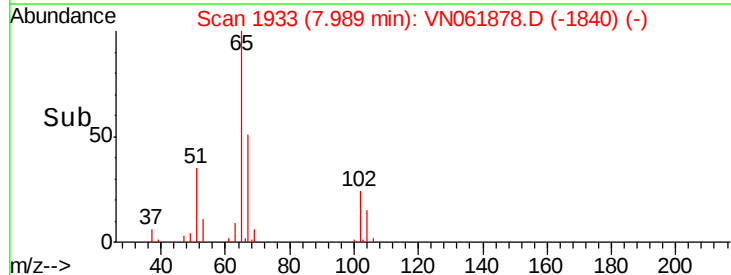
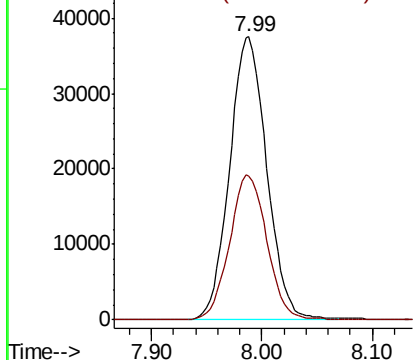


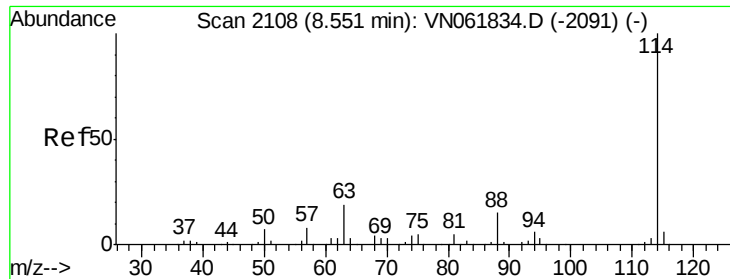
#33
1,2-Dichloroethane-d4
Concen: 49.937 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN061878.D
Acq: 18 Jun 2020 3:53

Tgt Ion: 65 Resp: 87709
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.2



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

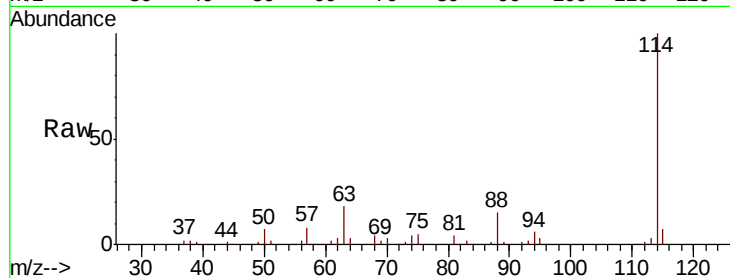




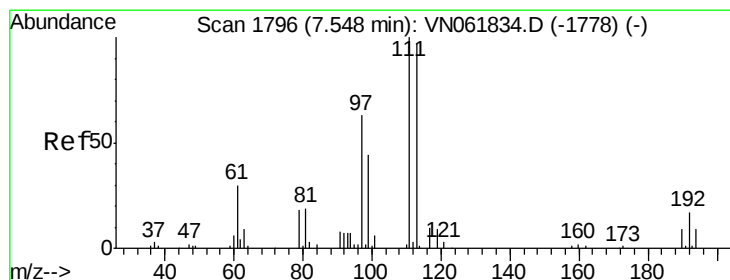
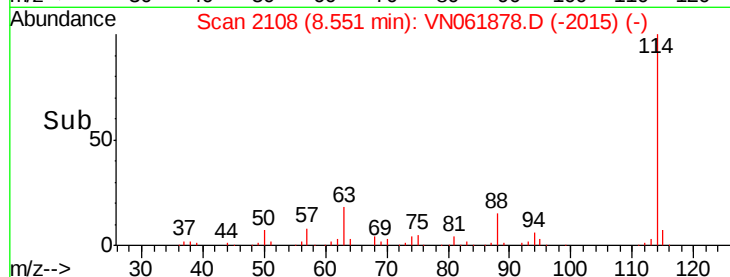
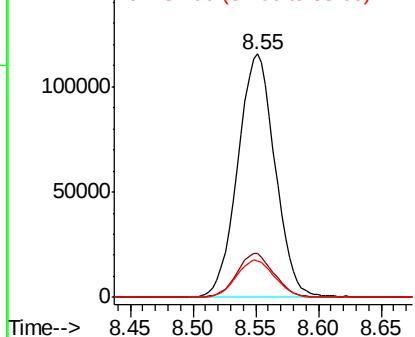
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN061878.D
Acq: 18 Jun 2020 3:53

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20200612

Tot Ion:114 Resp: 239184
Ion Ratio Lower Upper
114 100
63 17.8 0.0 37.6
88 15.0 0.0 31.0

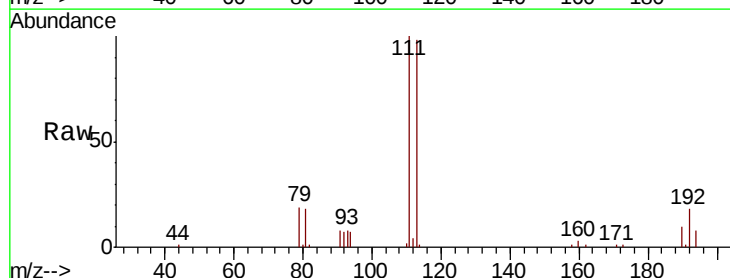


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

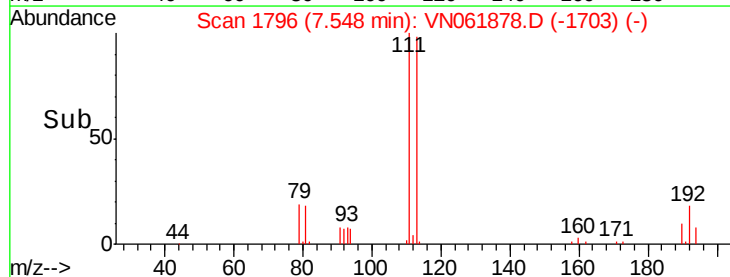
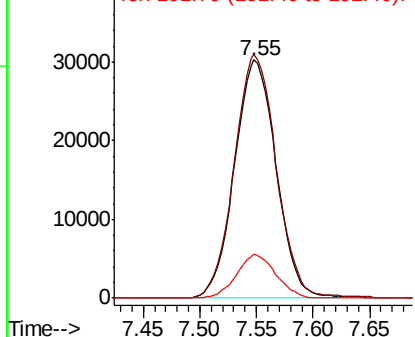


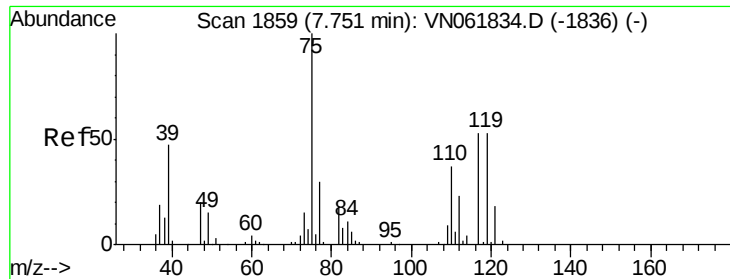
#35
Dibromofluoromethane
Concen: 50.635 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061878.D
Acq: 18 Jun 2020 3:53

Tgt Ion:113 Resp: 77481
Ion Ratio Lower Upper
113 100
111 103.4 83.7 125.5
192 17.2 13.9 20.9



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: 4.506 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN061878.D

Acq: 18 Jun 2020 3:53

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20200612

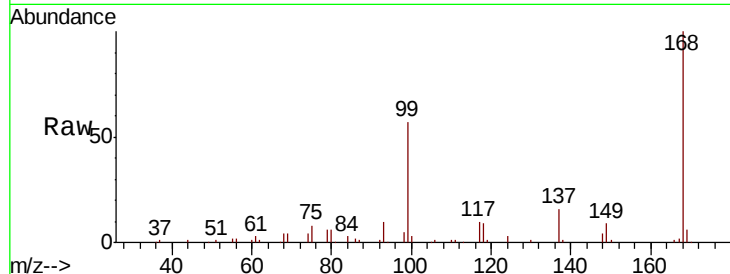
Tot Ion: 75 Resp: 9831

Ion Ratio Lower Upper

75 100

110 3.3 18.2 54.6#

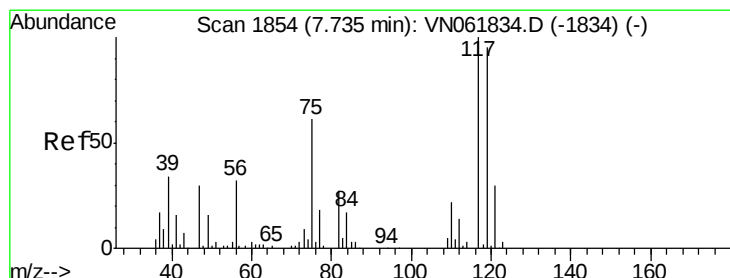
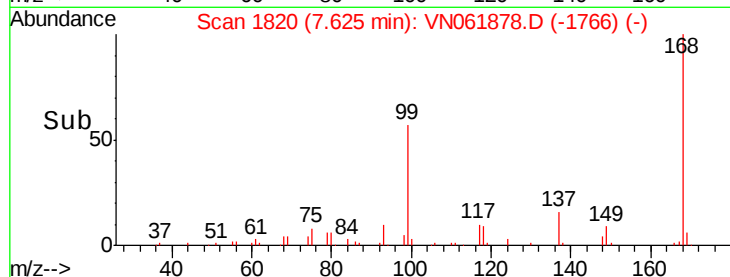
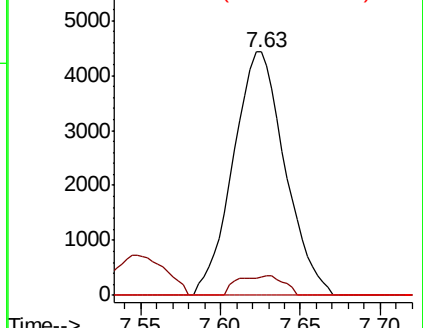
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VN061878.D (-1766) (-)

Ion 109.90 (109.60 to 110.60): VN061878.D (-1766) (-)

Ion 76.90 (76.60 to 77.60): VN061878.D (-1766) (-)



#38

Carbon Tetrachloride

Concen: 5.968 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061878.D

Acq: 18 Jun 2020 3:53

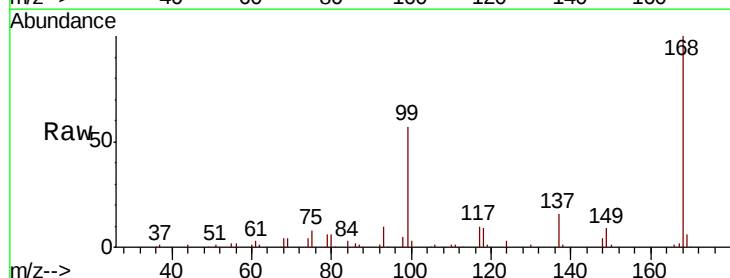
Tgt Ion: 117 Resp: 12893

Ion Ratio Lower Upper

117 100

119 7.0 75.8 113.6#

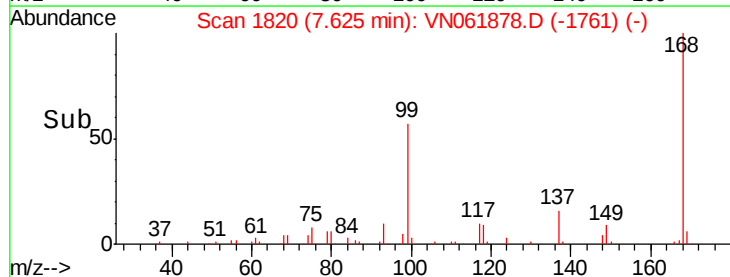
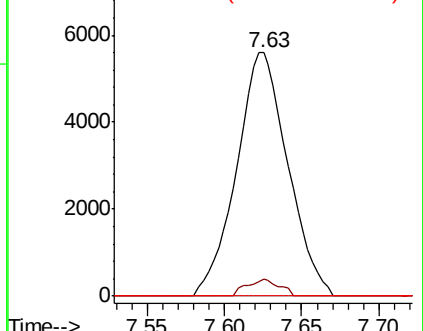
121 0.0 23.8 35.6#

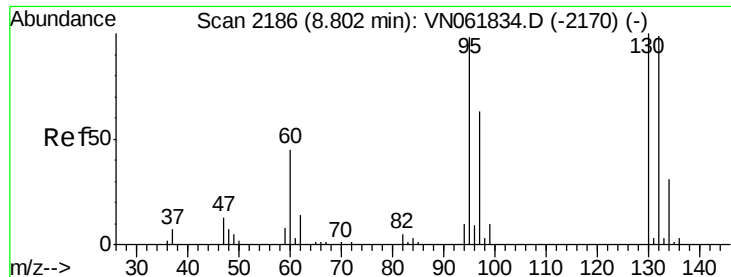


Abundance Ion 116.80 (116.50 to 117.50): VN061878.D (-1761) (-)

Ion 118.80 (118.50 to 119.50): VN061878.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN061878.D (-1761) (-)





#44

Trichloroethene

Concen: 8.614 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061878.D

Acq: 18 Jun 2020 3:53

Instrument :

MSVOA_N

ClientSampleId :

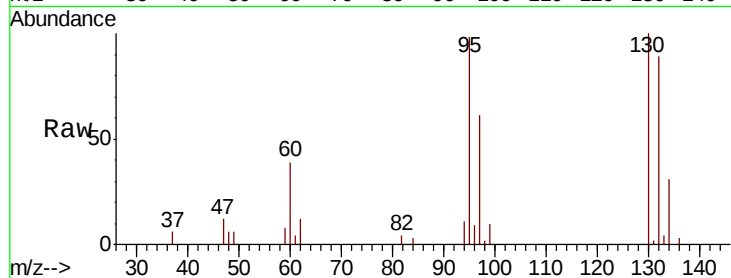
RE123D1-20200612

Tot Ion:130 Resp: 14982

Ion Ratio Lower Upper

130 100

95 98.3 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.80

8000

6000

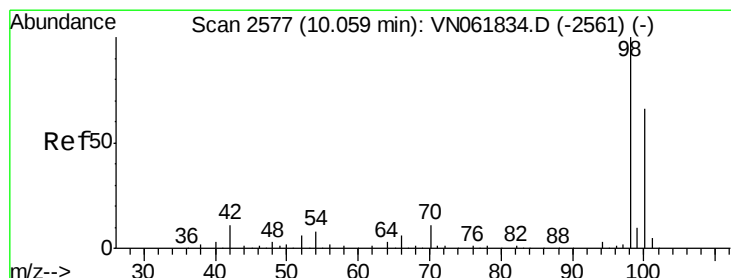
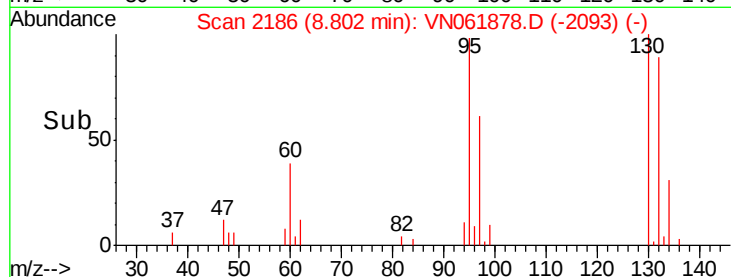
4000

2000

0

8.75 8.80 8.85

Time-->



#50

Toluene-d8

Concen: 49.942 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061878.D

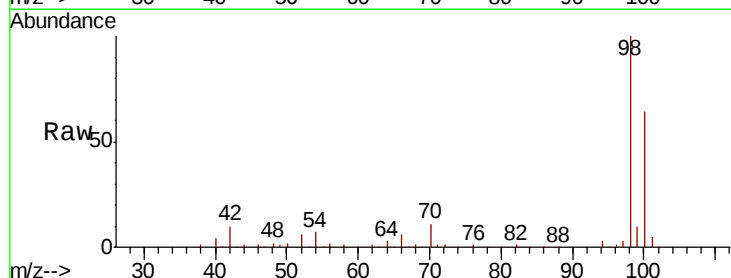
Acq: 18 Jun 2020 3:53

Tgt Ion: 98 Resp: 300437

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.06

200000

150000

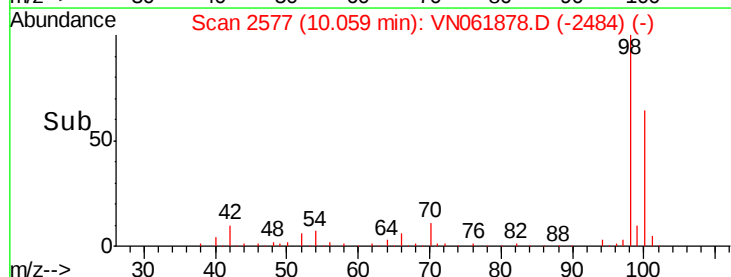
100000

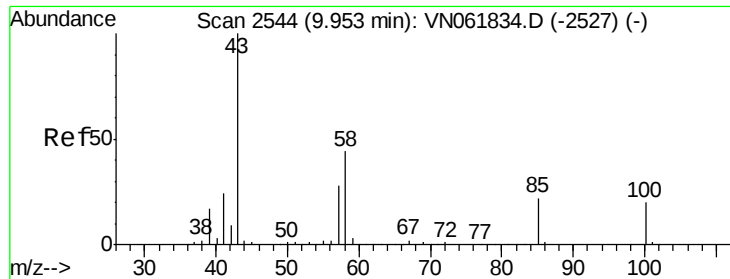
50000

0

10.00 10.06 10.10

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.568 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN061878.D

Acq: 18 Jun 2020 3:53

Instrument :

MSVOA_N

ClientSampleId :

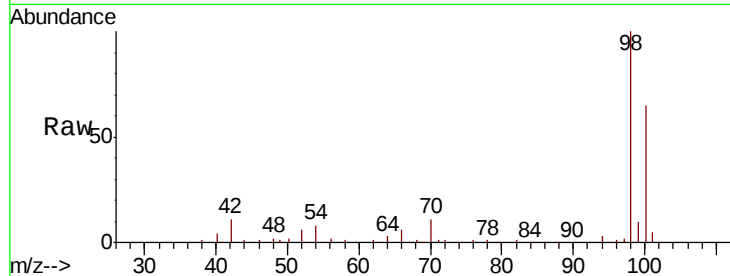
RE123D1-20200612

Tot Ion: 43 Resp: 963

Ion Ratio Lower Upper

43 100

58 225.0 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1500

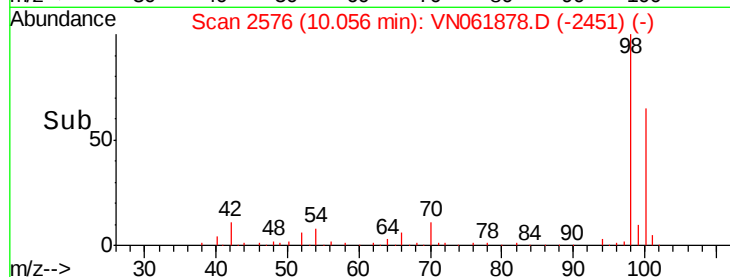
1000

500

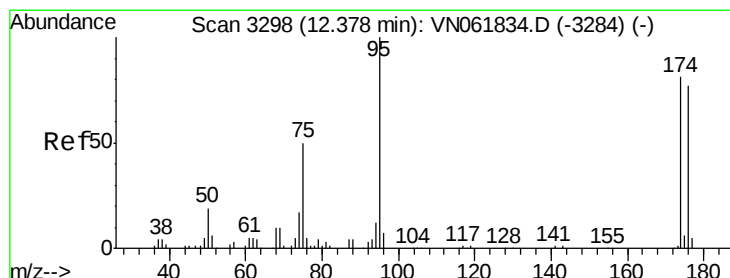
0

10.05

10.10



Time-->



#62

4-Bromofluorobenzene

Concen: 48.477 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061878.D

Acq: 18 Jun 2020 3:53

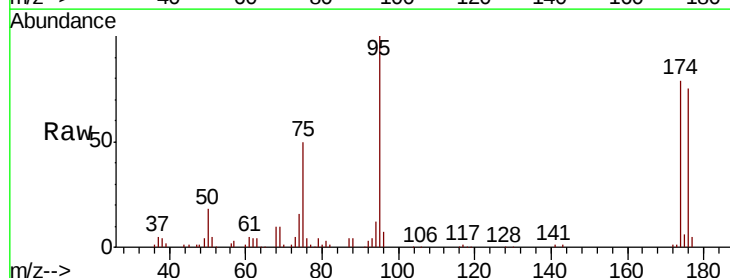
Tgt Ion: 95 Resp: 100032

Ion Ratio Lower Upper

95 100

174 77.7 0.0 158.6

176 74.4 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

80000

60000

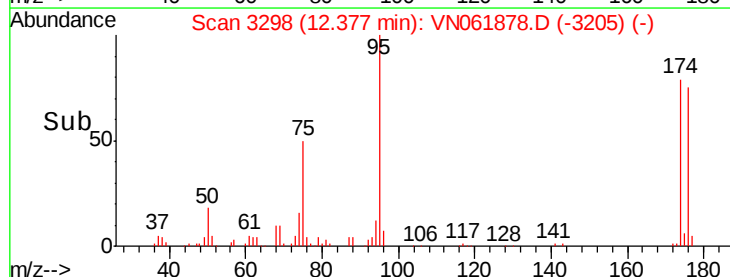
40000

20000

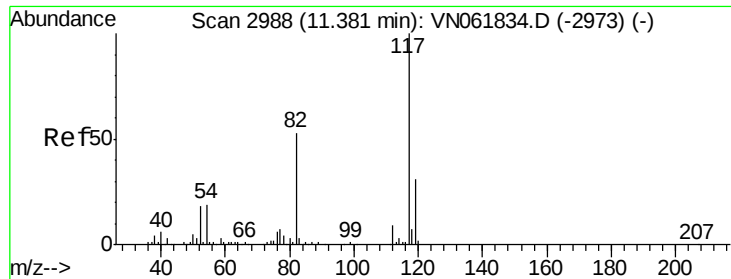
0

12.38

12.40



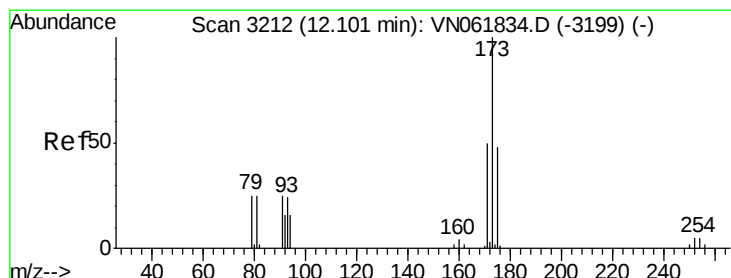
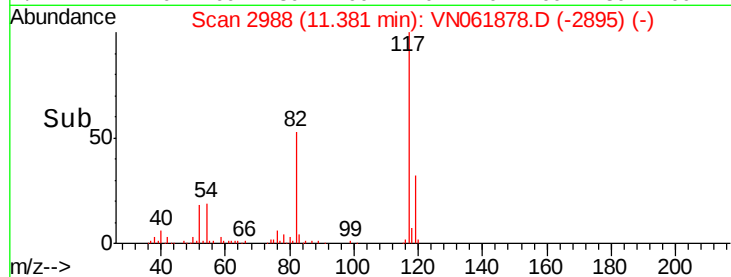
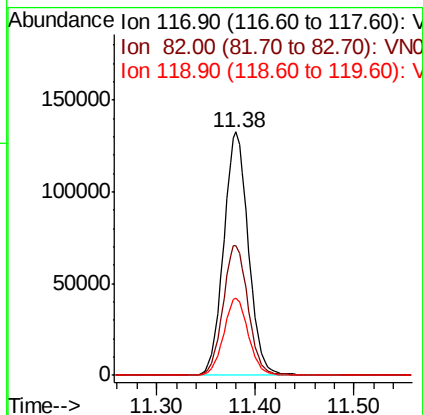
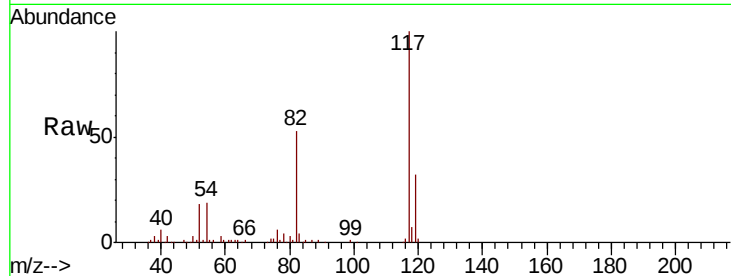
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061878.D
Acq: 18 Jun 2020 3:53

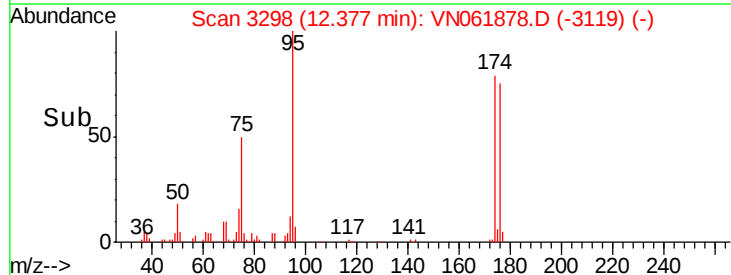
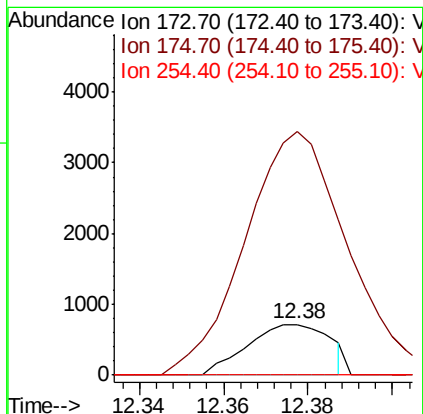
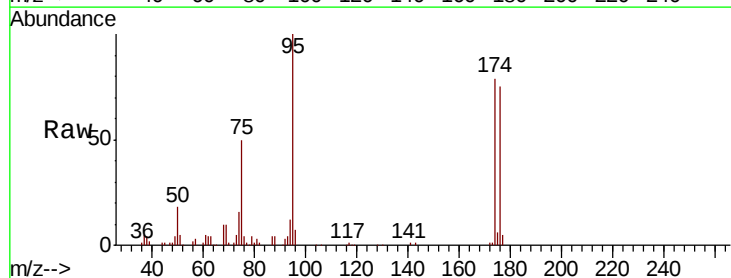
Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20200612

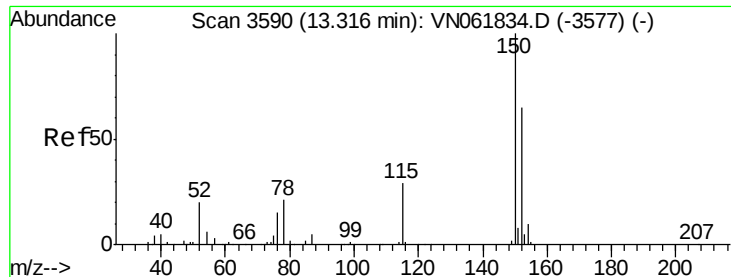
Tot Ion:117 Resp: 232773
Ion Ratio Lower Upper
117 100
82 53.5 42.6 64.0
119 31.9 24.7 37.1



#71
Bromoform
Concen: 0.778 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061878.D
Acq: 18 Jun 2020 3:53

Tgt Ion:173 Resp: 972
Ion Ratio Lower Upper
173 100
175 498.1 23.9 71.7#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061878.D

Acq: 18 Jun 2020 3:53

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20200612

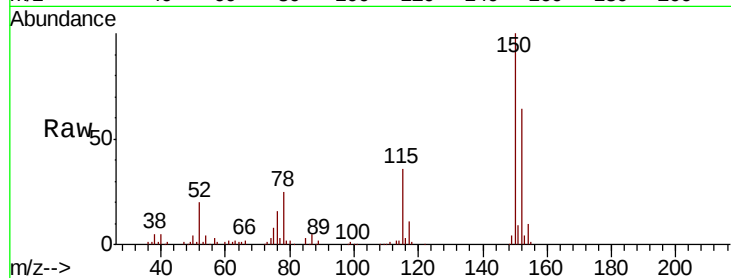
Tot Ion:152 Resp: 88451

Ion Ratio Lower Upper

152 100

115 57.8 29.1 87.3

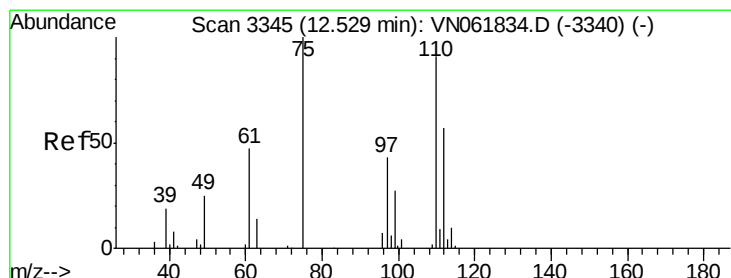
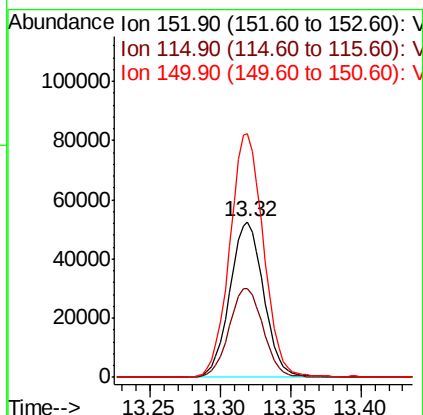
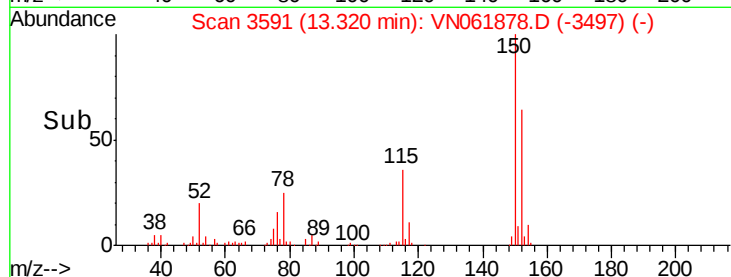
150 155.9 0.0 347.6



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: 28.277 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061878.D

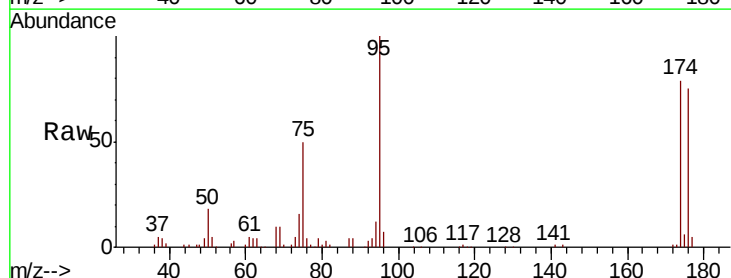
Acq: 18 Jun 2020 3:53

Tgt Ion: 75 Resp: 49103

Ion Ratio Lower Upper

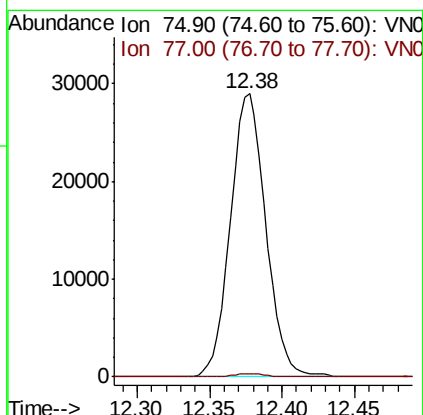
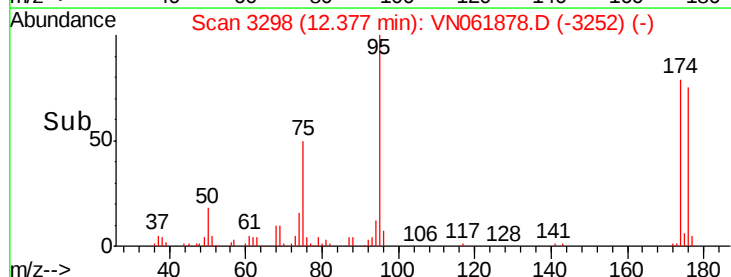
75 100

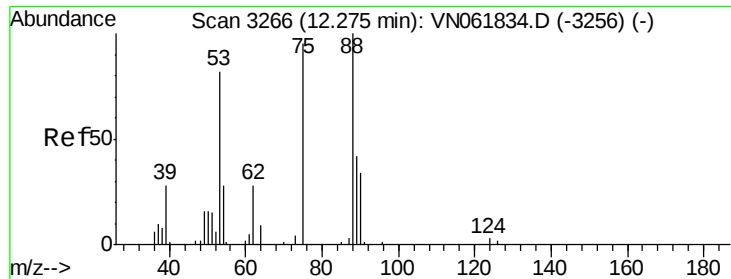
77 0.9 0.0 0.0#



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: 77.123 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061878.D

Acq: 18 Jun 2020 3:53

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20200612

Tot Ion: 75 Resp: 49103

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

