

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061237.D
 Acq On : 1 May 2020 17:50
 Operator : JC/MD
 Sample : L2467-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 04 00:55:59 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

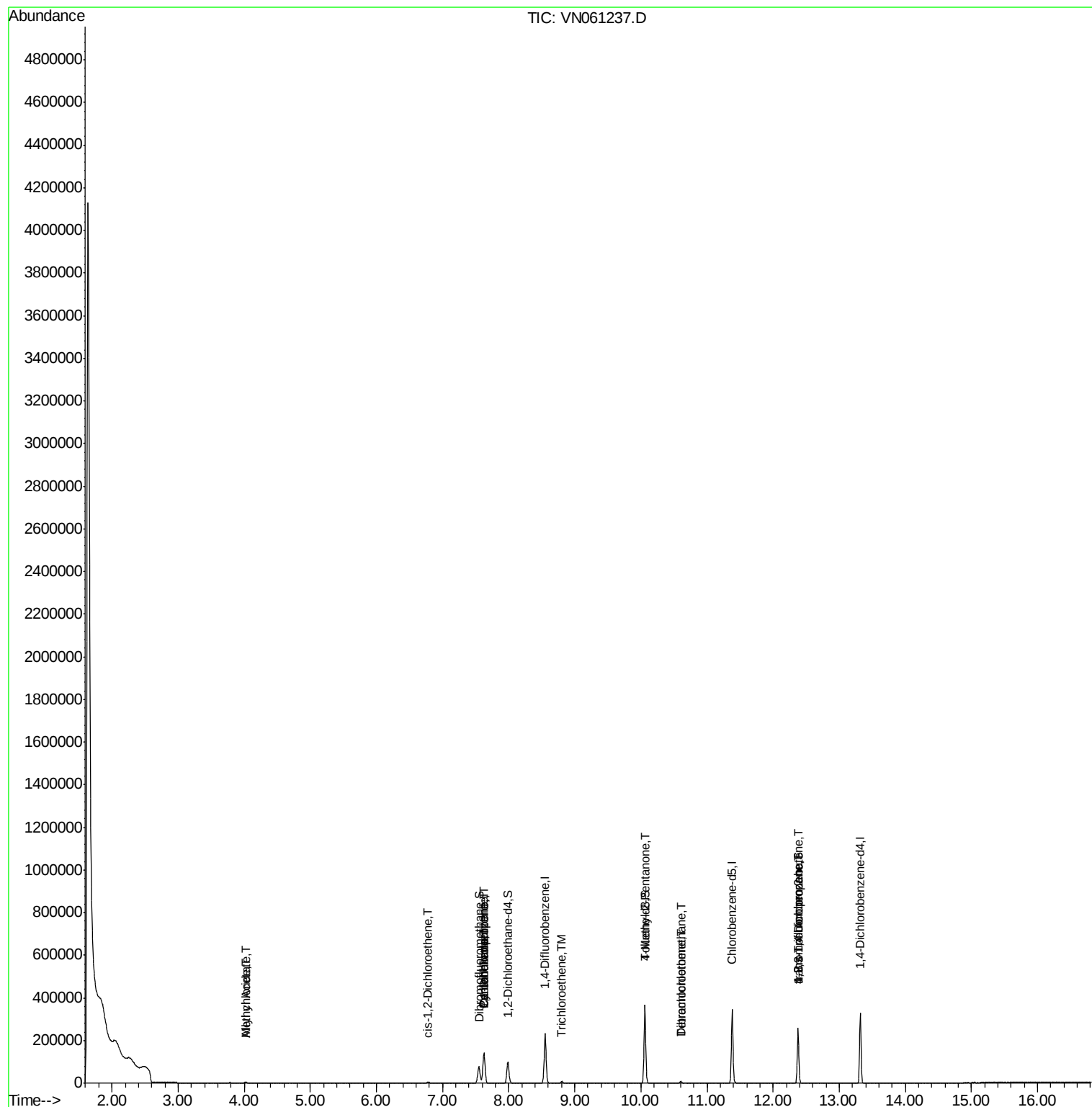
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	107857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	195314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	187425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	81412	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	85988	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.55	113	58910	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.06	98	243154	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.38	95	88241	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
Target Compounds						
					Qvalue	
14) Allyl chloride	4.03	41	513	0.243	ug/l #	53
16) Acetone	3.78	43	3211	Below Cal		91
18) Methyl Acetate	4.02	43	1915	1.556	ug/l #	55
27) cis-1,2-Dichloroethene	6.78	96	2190	1.506	ug/l	78
31) Cyclohexane	7.63	56	2623	1.056	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	9807	5.016	ug/l #	50
38) Carbon Tetrachloride	7.63	117	11473	8.424	ug/l #	17
44) Trichloroethene	8.80	130	3010	1.912	ug/l	92
51) 4-Methyl-2-Pentanone	10.06	43	1287	0.575	ug/l #	1
60) Dibromochloromethane	10.60	129	2092	1.427	ug/l #	10
64) Tetrachloroethene	10.60	164	2148	1.323	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	47134	27.461	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	47134	69.737	ug/l #	8

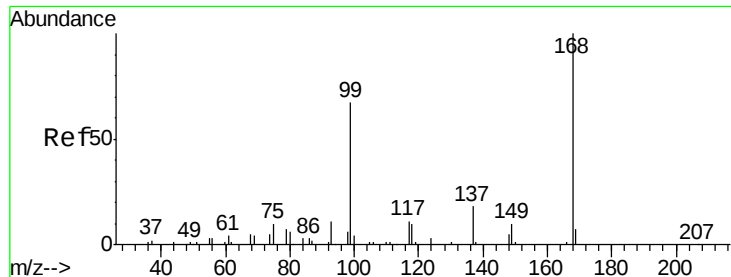
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061237.D

Acq: 1 May 2020 17:50

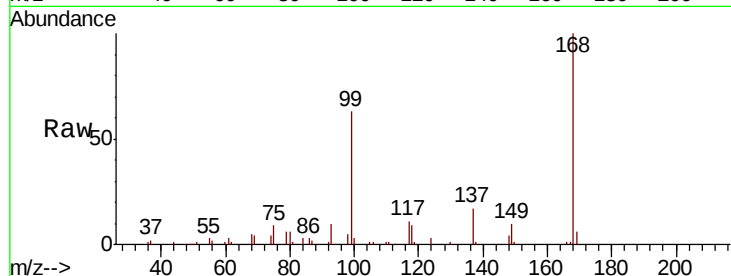
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 107857

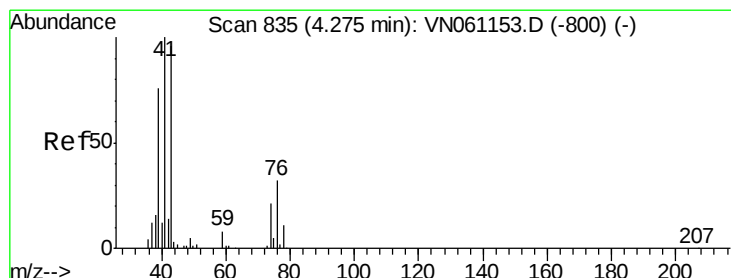
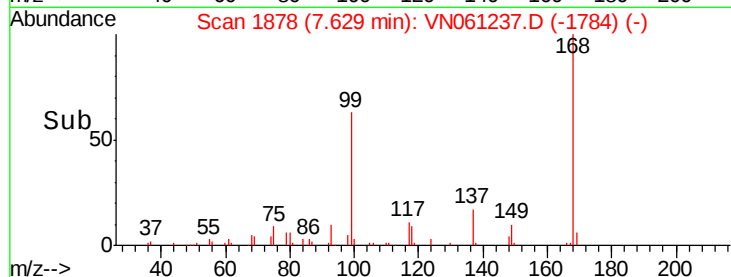
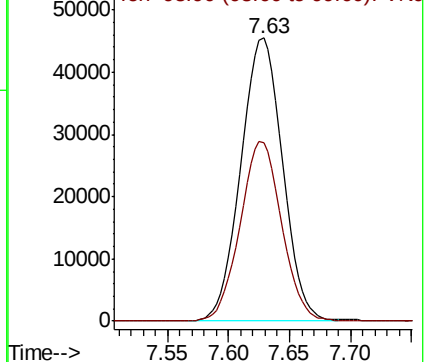
Ion Ratio Lower Upper

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): VNO



#14

Allyl chloride

Concen: 0.243 ug/l

RT: 4.03 min Scan# 759

Delta R.T. -0.24 min

Lab File: VN061237.D

Acq: 1 May 2020 17:50

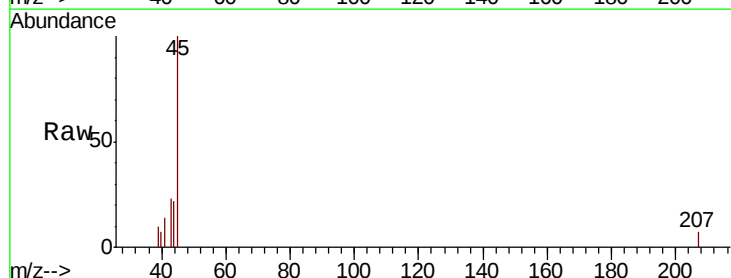
Tgt Ion: 41 Resp: 513

Ion Ratio Lower Upper

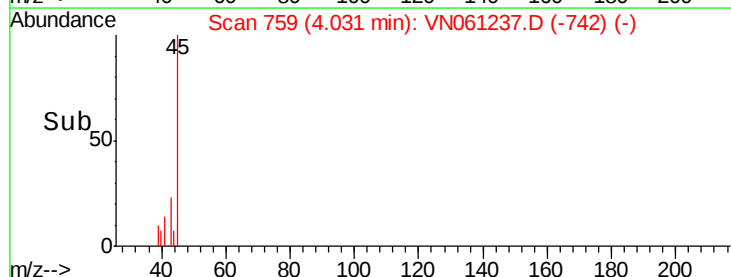
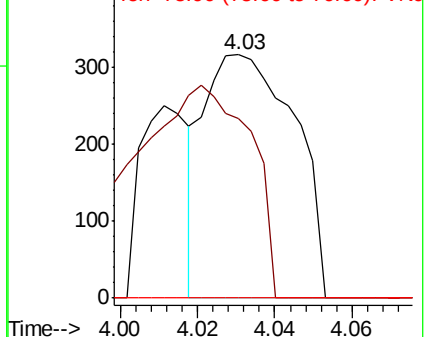
41 100

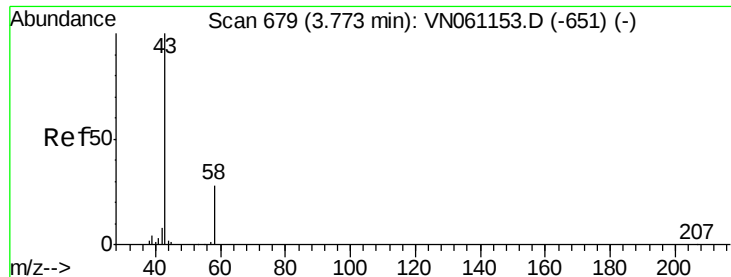
39 107.2 57.1 85.7#

76 0.0 24.3 36.5#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 682

Delta R.T. 0.01 min

Lab File: VN061237.D

Acq: 1 May 2020 17:50

Instrument :

MSVOA_N

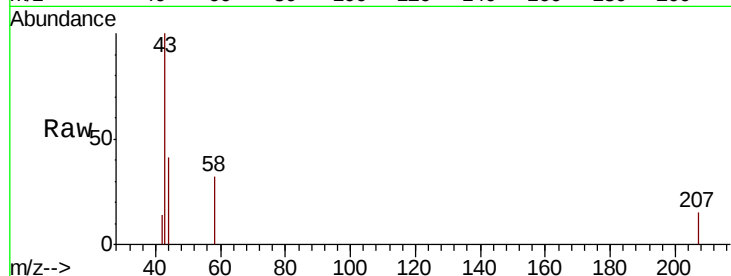
ClientSampleId :

Tot Ion: 43 Resp: 3211

Ion Ratio Lower Upper

43 100

58 32.3 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN061237.D (-586) (-)

Ion 58.00 (57.70 to 58.70): VN061237.D (-586) (-)

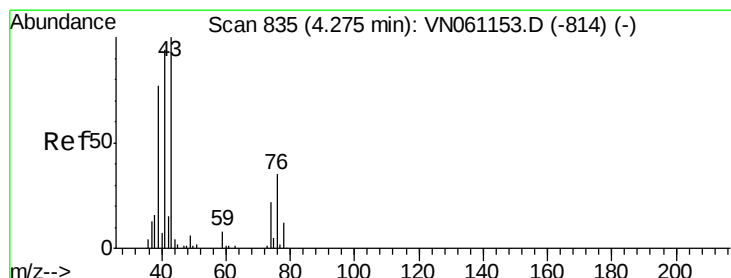
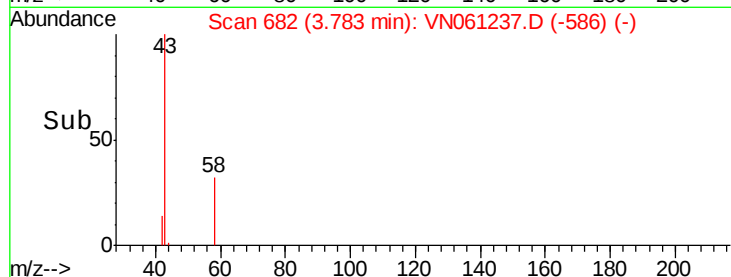
3.78

1000

500

0

Time--> 3.70 3.75 3.80 3.85



#18

Methyl Acetate

Concen: 1.556 ug/l

RT: 4.02 min Scan# 756

Delta R.T. -0.25 min

Lab File: VN061237.D

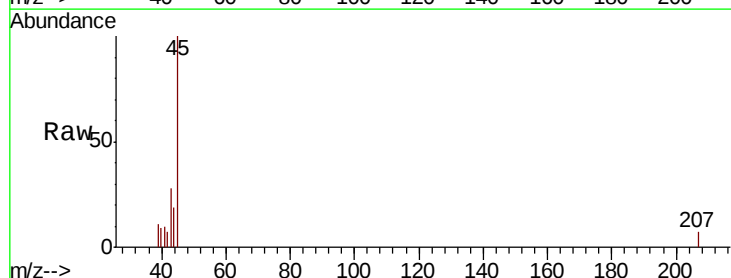
Acq: 1 May 2020 17:50

Tgt Ion: 43 Resp: 1915

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN061237.D (-741) (-)

Ion 74.00 (73.70 to 74.70): VN061237.D (-741) (-)

4.02

800

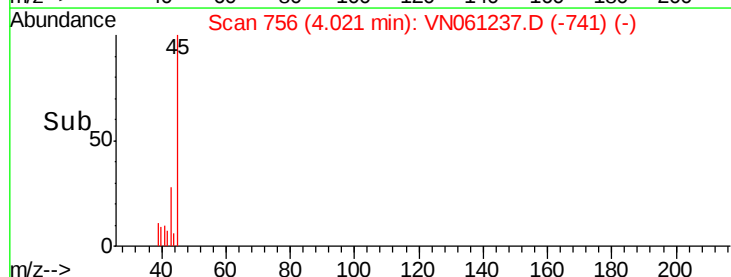
600

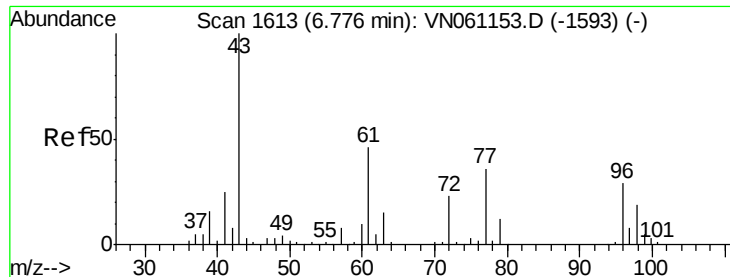
400

200

0

Time--> 3.95 4.00 4.05 4.10





#27

cis-1,2-Dichloroethene

Concen: 1.506 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061237.D

Acq: 1 May 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :

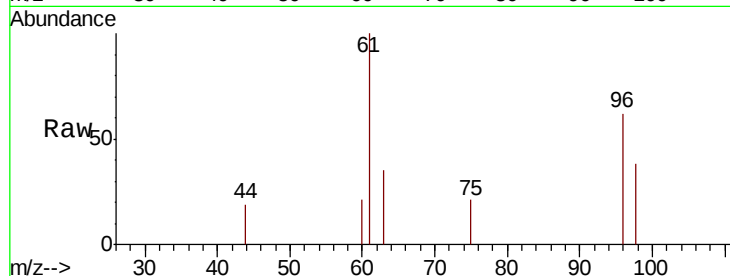
Tot Ion: 96 Resp: 2190

Ion Ratio Lower Upper

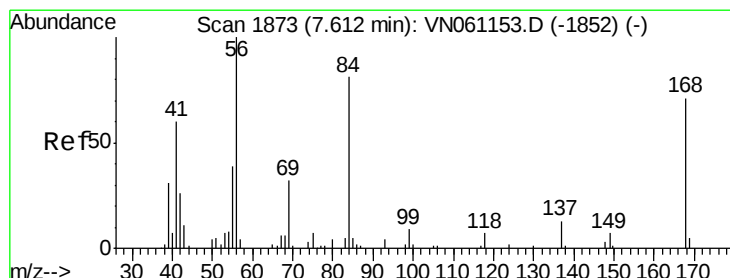
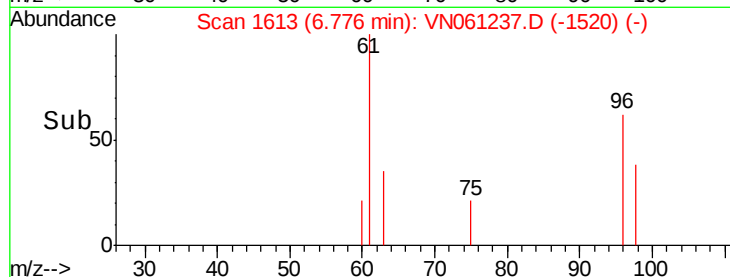
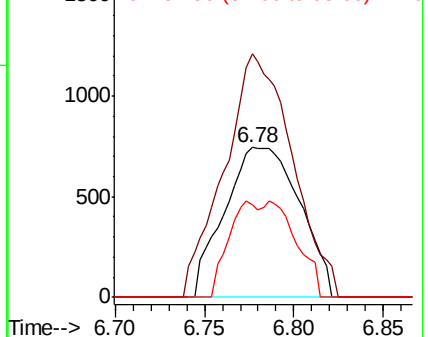
96 100

61 146.8 0.0 322.0

98 25.4 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 1.056 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VN061237.D

Acq: 1 May 2020 17:50

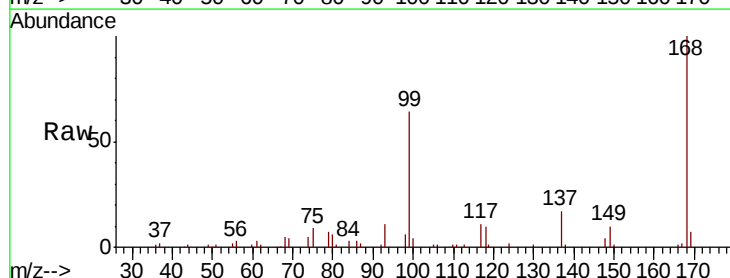
Tgt Ion: 56 Resp: 2623

Ion Ratio Lower Upper

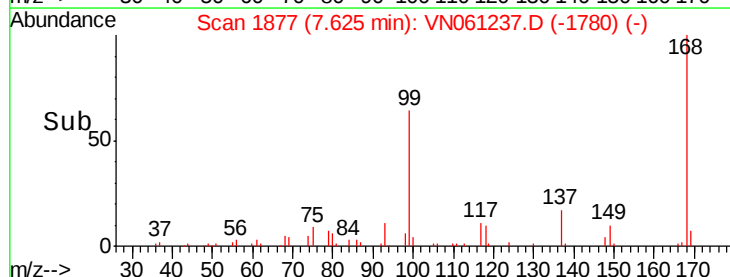
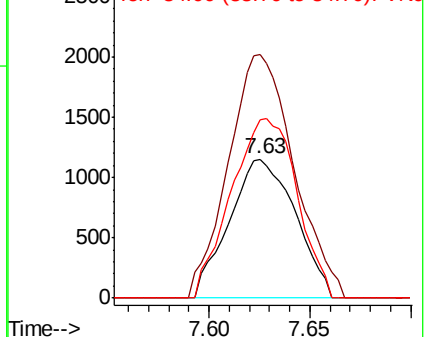
56 100

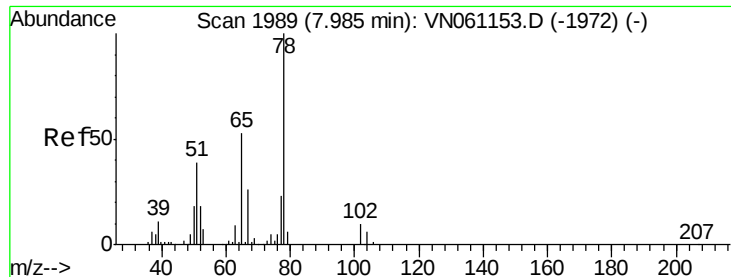
69 175.0 25.7 38.5#

84 128.1 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: 50.385 ug/l

RT: 7.99 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN061237.D

Acq: 1 May 2020 17:50

Instrument :

MSVOA_N

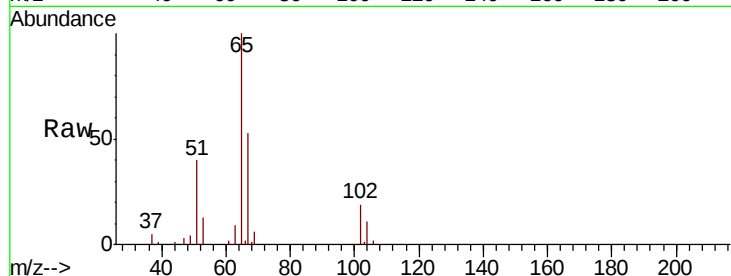
ClientSampleId :

Tot Ion: 65 Resp: 85988

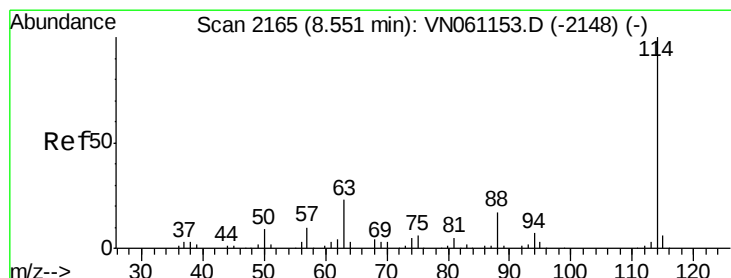
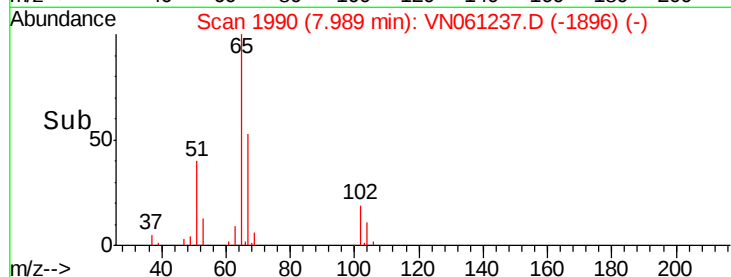
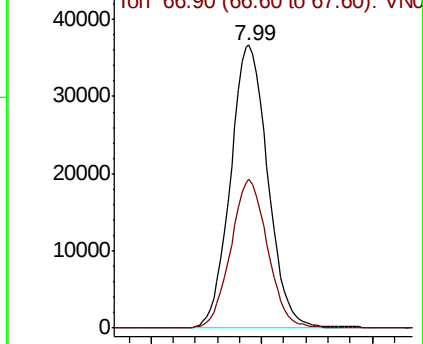
Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN061237.D (-1896) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VN061237.D

Acq: 1 May 2020 17:50

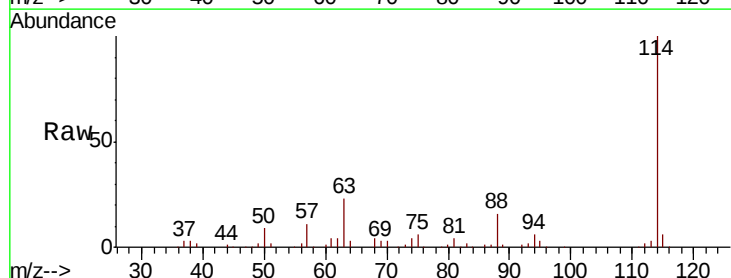
Tgt Ion: 114 Resp: 195314

Ion Ratio Lower Upper

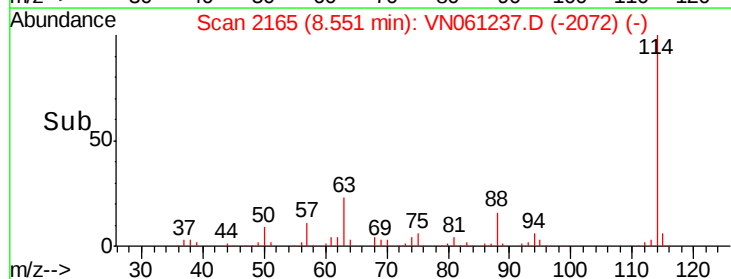
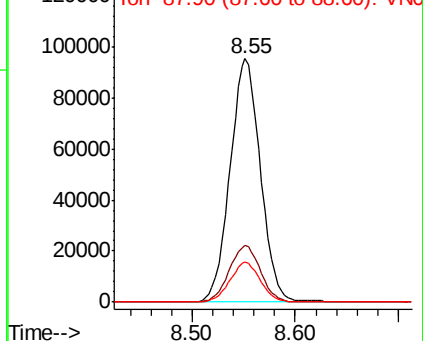
114 100

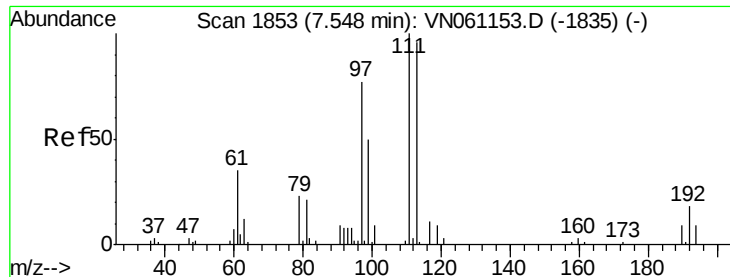
63 23.3 0.0 46.6

88 16.4 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VN061237.D (-2072) (-)

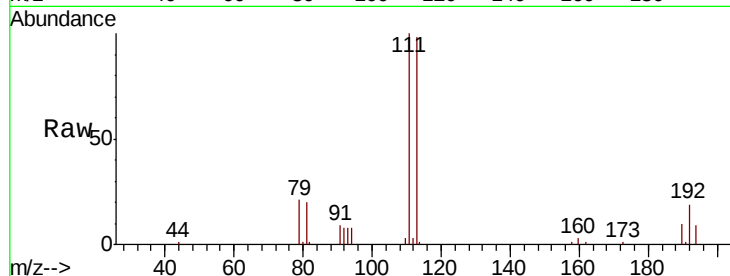




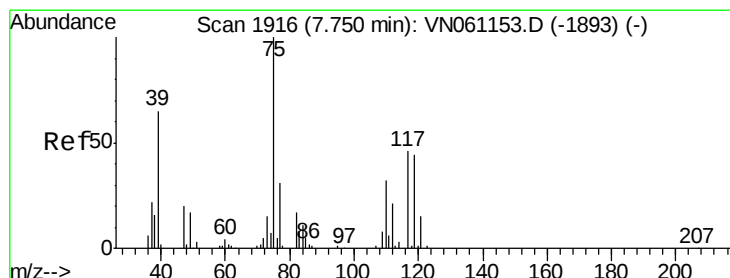
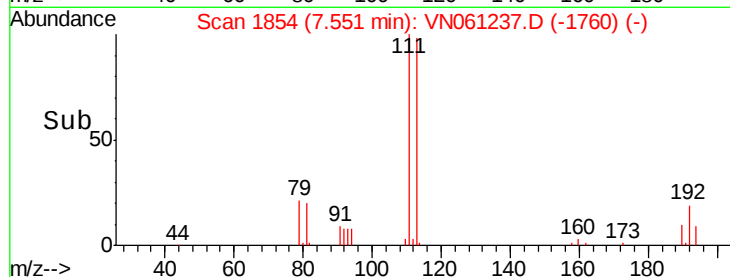
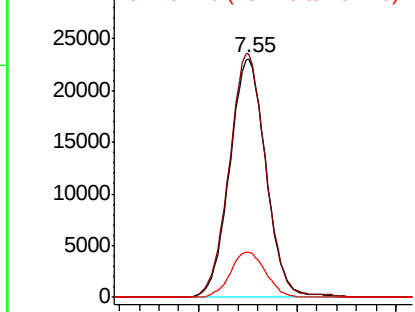
#35
 Dibromofluoromethane
 Concen: 51.007 ug/l
 RT: 7.55 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VN061237.D
 Acq: 1 May 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 58910
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.9 124.3
 192 18.4 14.7 22.1

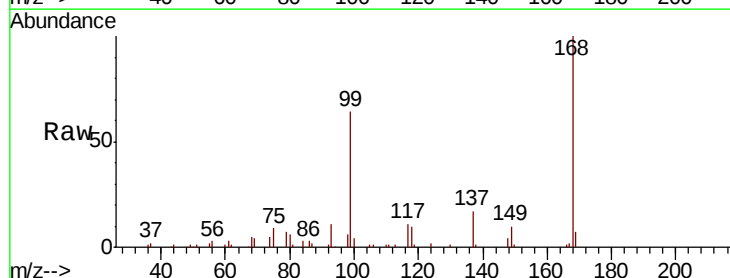


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

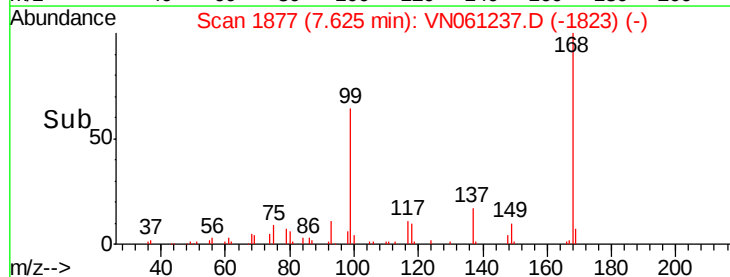
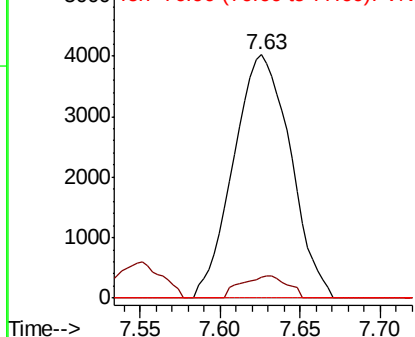


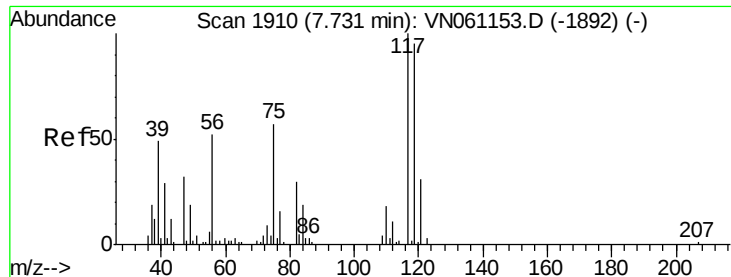
#36
 1,1-Dichloropropene
 Concen: 5.016 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061237.D
 Acq: 1 May 2020 17:50

Tgt Ion: 75 Resp: 9807
 Ion Ratio Lower Upper
 75 100
 110 7.4 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





#38

Carbon Tetrachloride

Concen: 8.424 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. -0.10 min

Lab File: VN061237.D

Acq: 1 May 2020 17:50

Instrument :

MSVOA_N

ClientSampled :

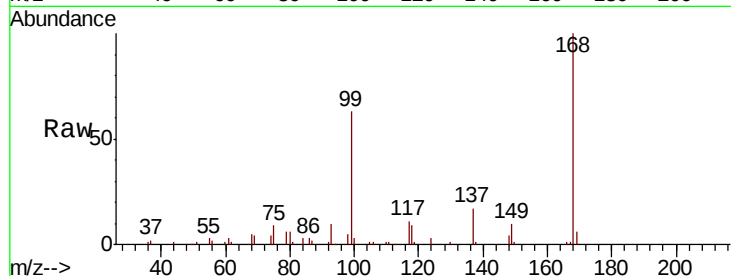
Tot Ion:117 Resp: 11473

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

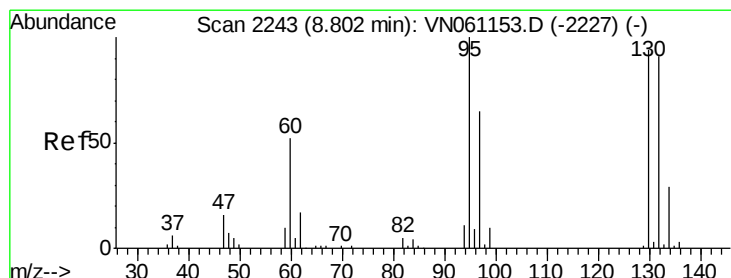
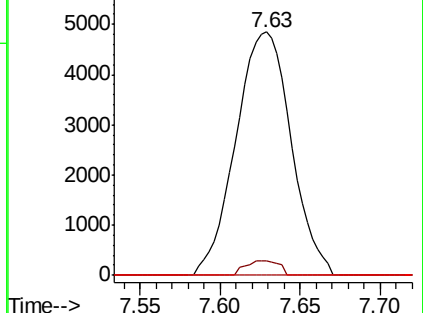
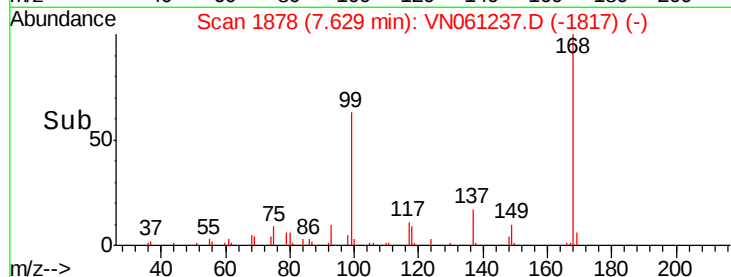
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 1.912 ug/l

RT: 8.80 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VN061237.D

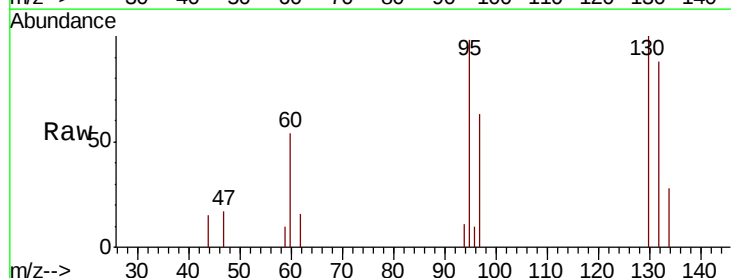
Acq: 1 May 2020 17:50

Tgt Ion:130 Resp: 3010

Ion Ratio Lower Upper

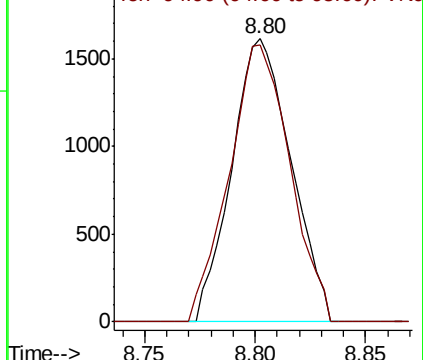
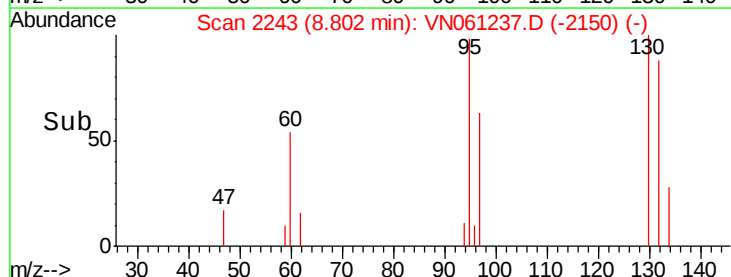
130 100

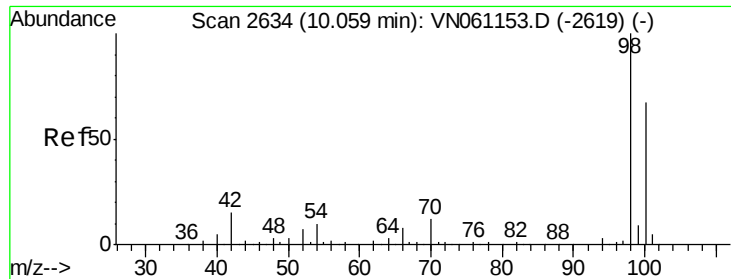
95 97.8 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 51.646 ug/l

RT: 10.06 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VN061237.D

Acq: 1 May 2020 17:50

Instrument :

MSVOA_N

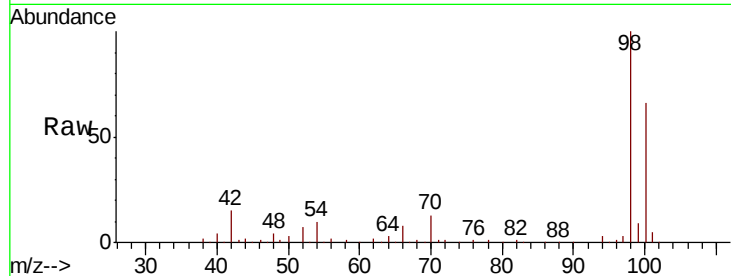
ClientSampleId :

Tot Ion: 98 Resp: 243154

Ion Ratio Lower Upper

98 100

100 65.2 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

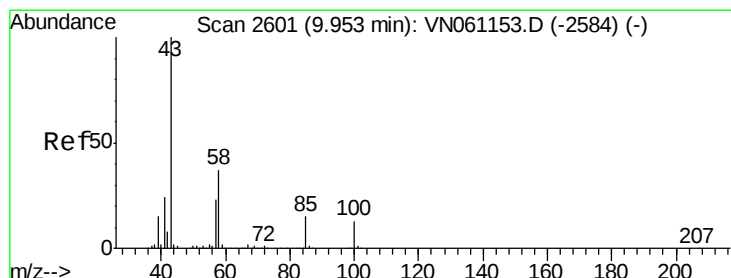
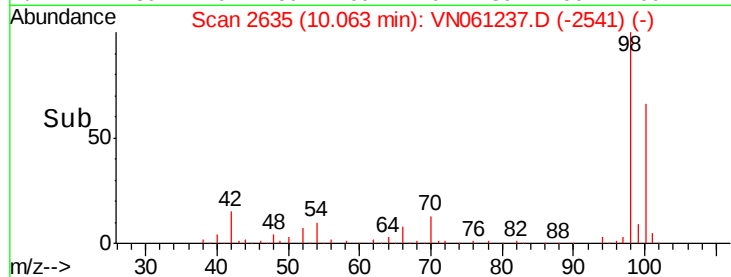
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.575 ug/l

RT: 10.06 min Scan# 2635

Delta R.T. 0.11 min

Lab File: VN061237.D

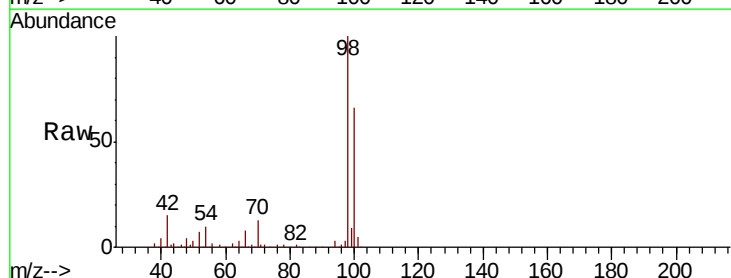
Acq: 1 May 2020 17:50

Tgt Ion: 43 Resp: 1287

Ion Ratio Lower Upper

43 100

58 163.4 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

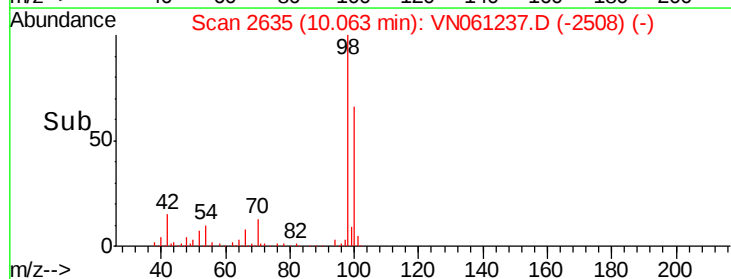
10.06

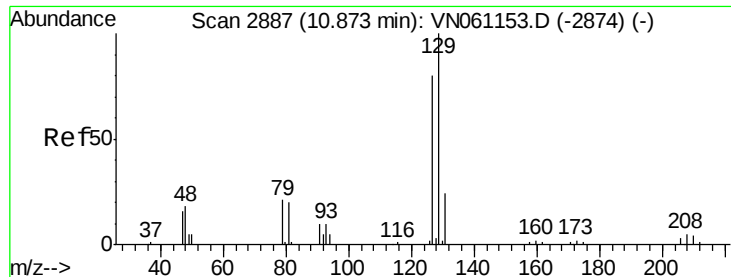
1000

500

0

Time-->

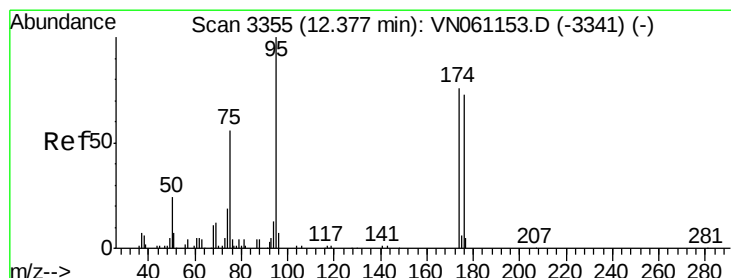
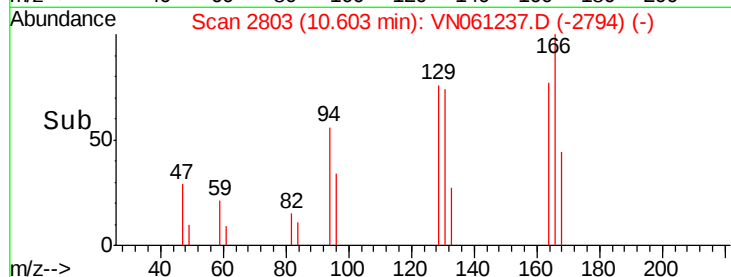
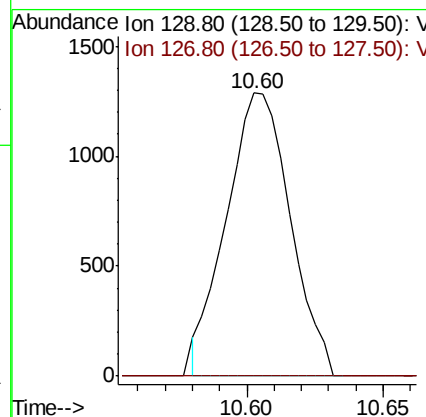
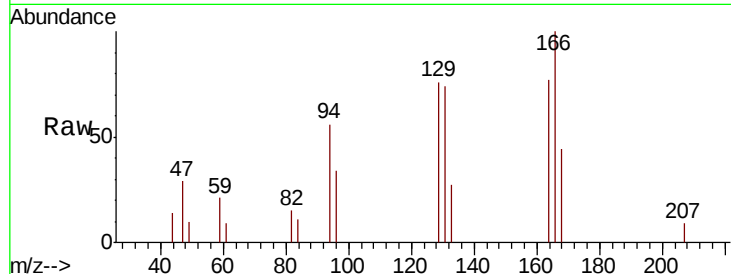




#60
 Dibromochloromethane
 Concen: 1.427 ug/l
 RT: 10.60 min Scan# 2803
 Delta R.T. -0.27 min
 Lab File: VN061237.D
 Acq: 1 May 2020 17:50

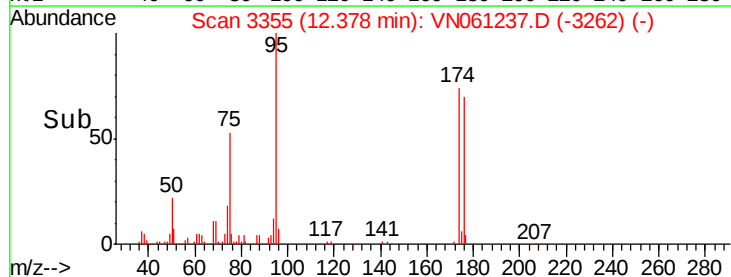
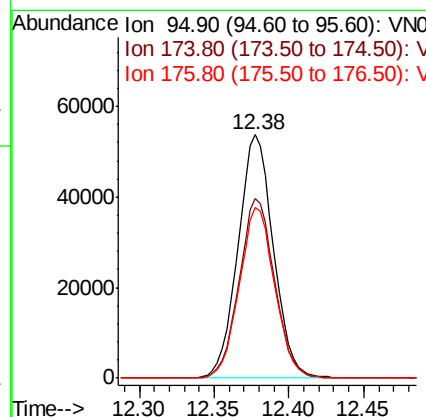
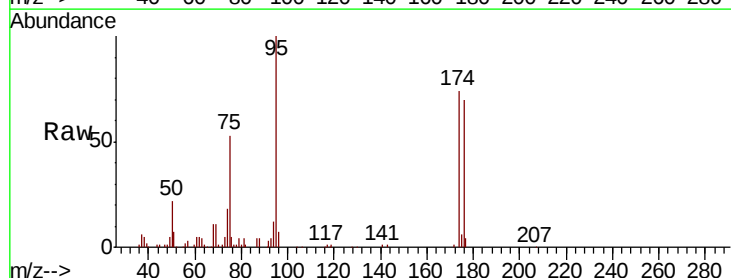
Instrument :
 MSVOA_N
 ClientSampled :

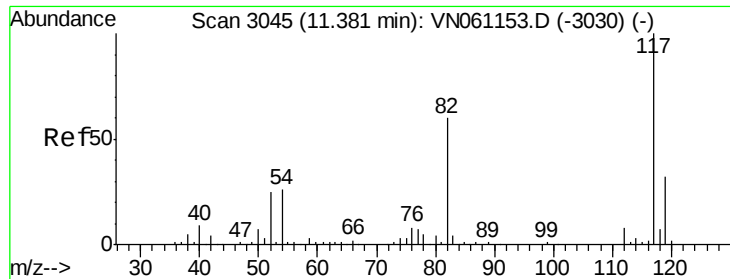
Tot Ion:129 Resp: 2092
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.3 117.8#



#62
 4-Bromofluorobenzene
 Concen: 49.805 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061237.D
 Acq: 1 May 2020 17:50

Tgt Ion: 95 Resp: 88241
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 149.4
 176 70.5 0.0 144.8

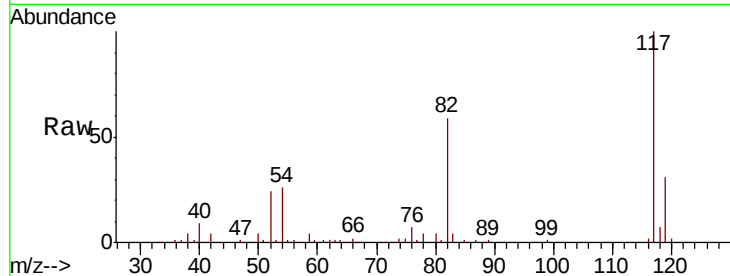




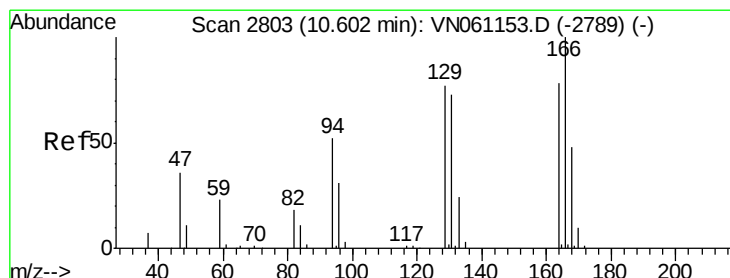
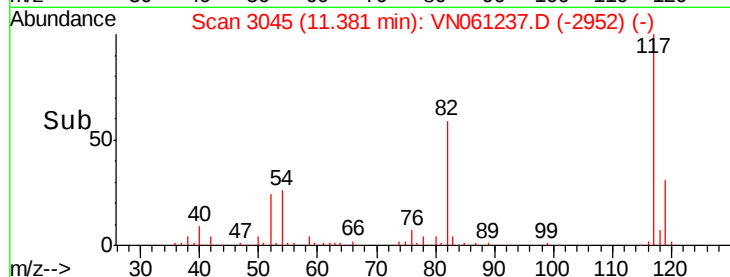
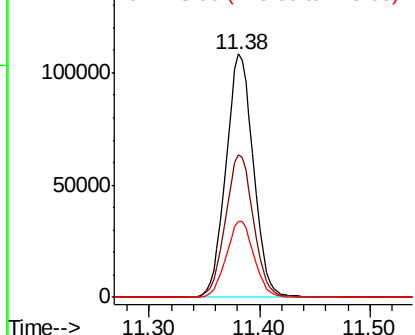
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061237.D
Acq: 1 May 2020 17:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 187425
Ion Ratio Lower Upper
117 100
82 58.6 47.8 71.8
119 31.3 25.8 38.6

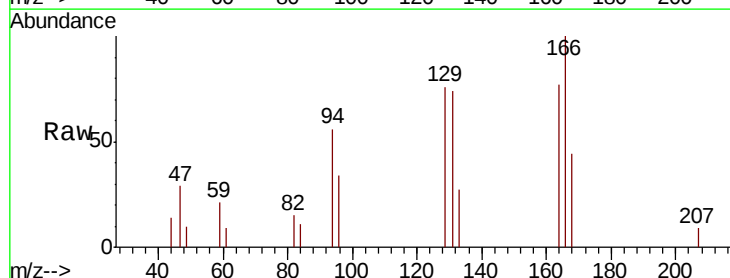


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

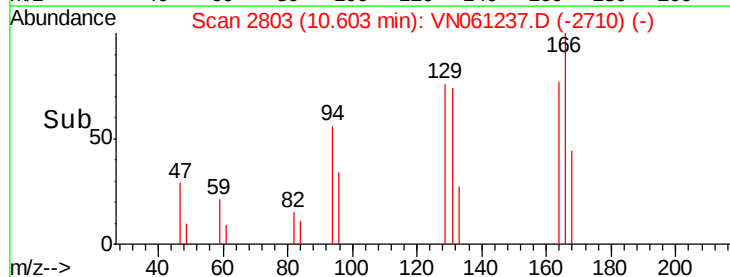
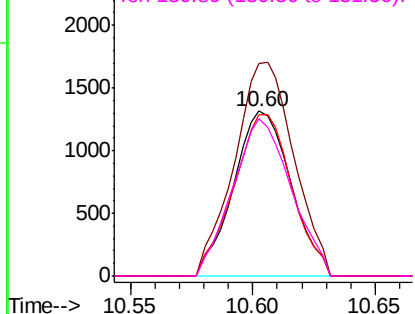


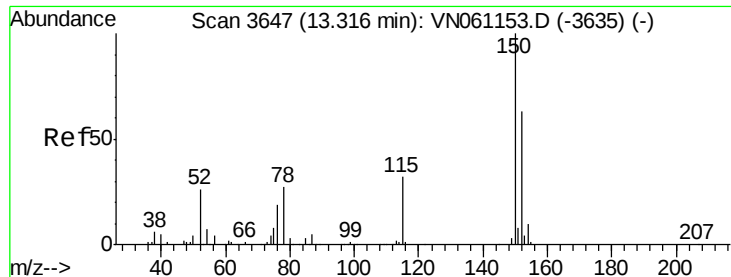
#64
Tetrachloroethene
Concen: 1.323 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061237.D
Acq: 1 May 2020 17:50

Tgt Ion:164 Resp: 2148
Ion Ratio Lower Upper
164 100
166 129.3 102.0 153.0
129 97.8 78.2 117.2
131 95.4 74.5 111.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VN061237.D

Acq: 1 May 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

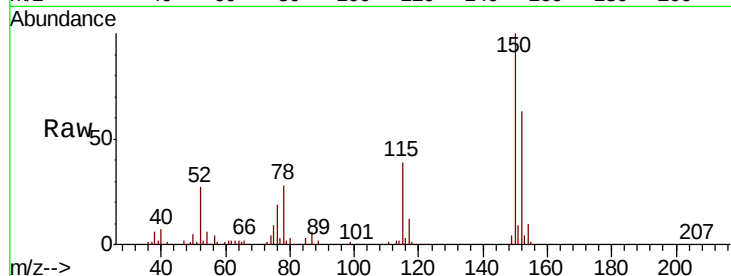
Tot Ion:152 Resp: 81412

Ion Ratio Lower Upper

152 100

115 62.1 31.0 93.0

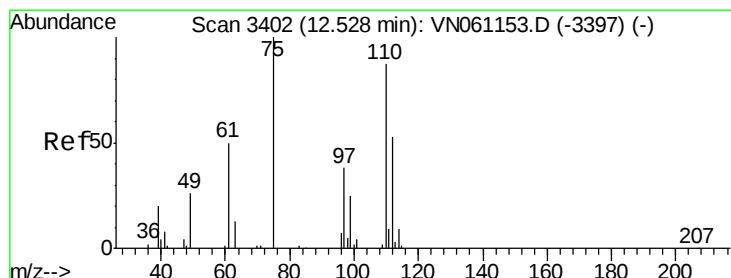
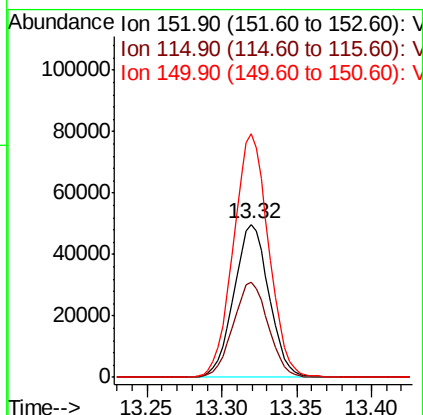
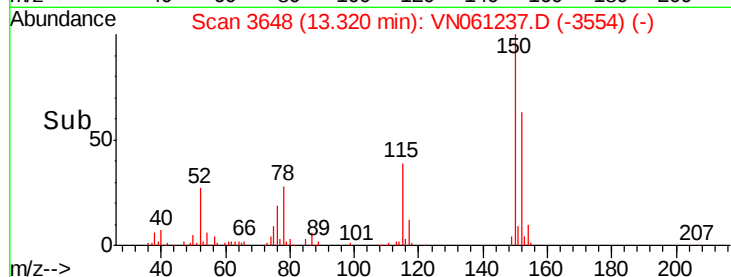
150 159.6 0.0 351.8



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: 27.461 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061237.D

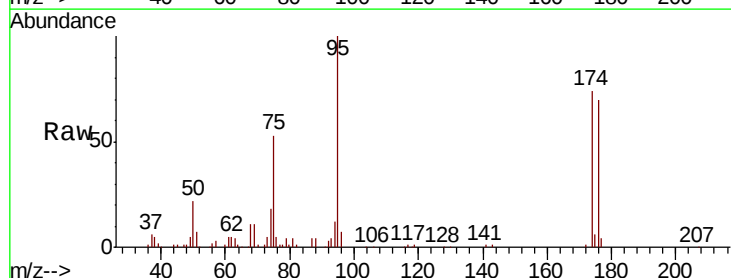
Acq: 1 May 2020 17:50

Tgt Ion: 75 Resp: 47134

Ion Ratio Lower Upper

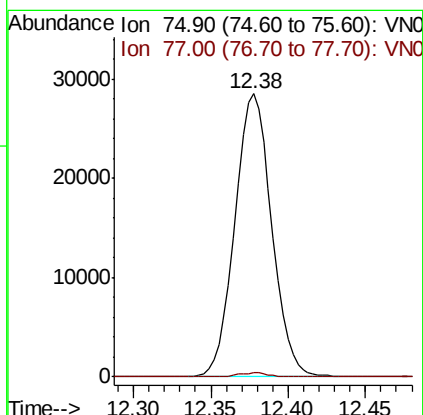
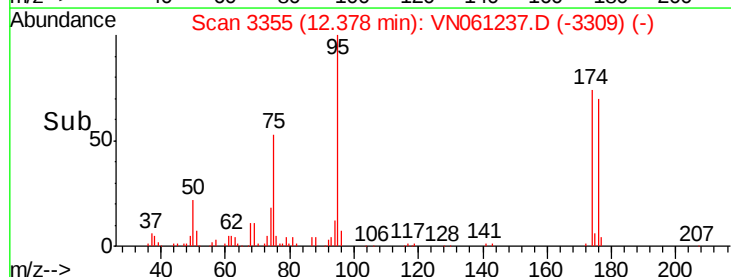
75 100

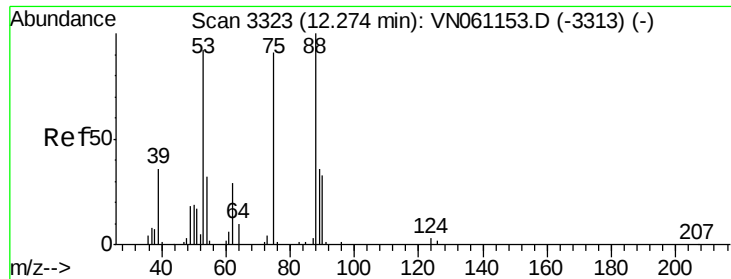
77 1.1 0.0 0.0#



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: 69.737 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061237.D

Acq: 1 May 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

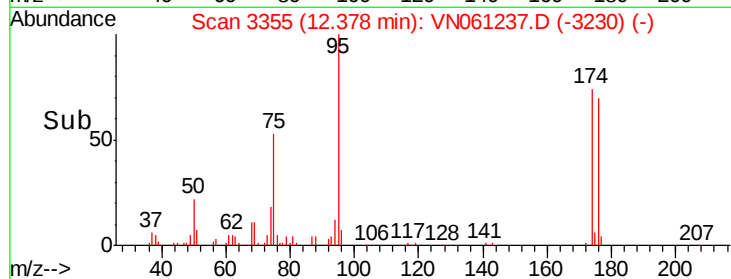
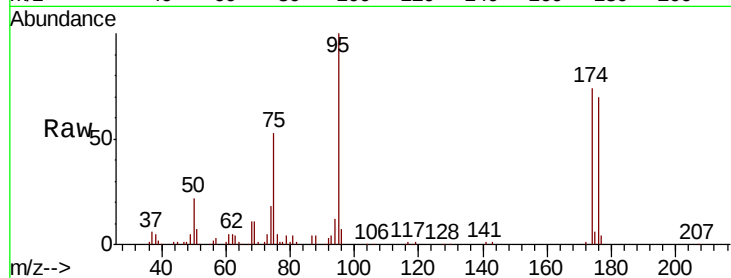
Tot Ion: 75 Resp: 47134

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

