

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061876.D
 Acq On : 18 Jun 2020 3:05
 Operator : JC/MD
 Sample : L3011-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611

Quant Time: Jun 18 04:01:31 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	126687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	232298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	221510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82546	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	85951	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
35) Dibromofluoromethane	7.55	113	75620	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
50) Toluene-d8	10.06	98	290779	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.38	95	93097	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	

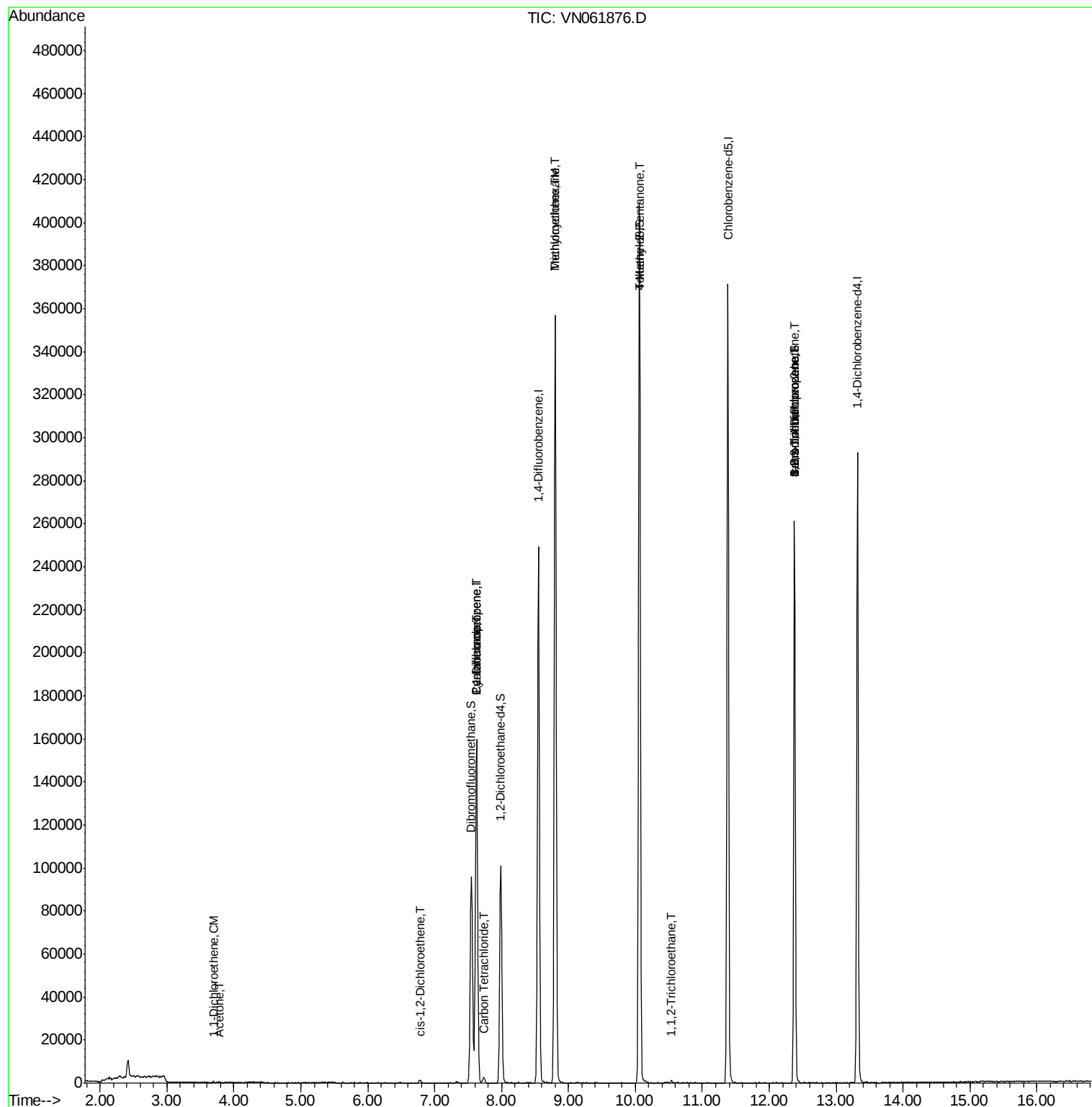
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.69	96	402	0.312	ug/l #	40
16) Acetone	3.78	43	821	1.636	ug/l #	40
27) cis-1,2-Dichloroethene	6.78	96	638	0.374	ug/l	84
31) Cyclohexane	7.62	56	2690	1.201	ug/l #	8
36) 1,1-Dichloropropene	7.63	75	9595	4.528	ug/l #	48
38) Carbon Tetrachloride	7.74	117	2163	1.031	ug/l	97
39) Methylcyclohexane	8.81	83	1654	0.725	ug/l #	1
44) Trichloroethene	8.80	130	134571	79.668	ug/l	97
51) 4-Methyl-2-Pentanone	10.06	43	1000	0.607	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	423	0.267	ug/l #	75
71) Bromoform	12.38	173	799	0.672	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	45257	27.926	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	45257	76.167	ug/l #	14

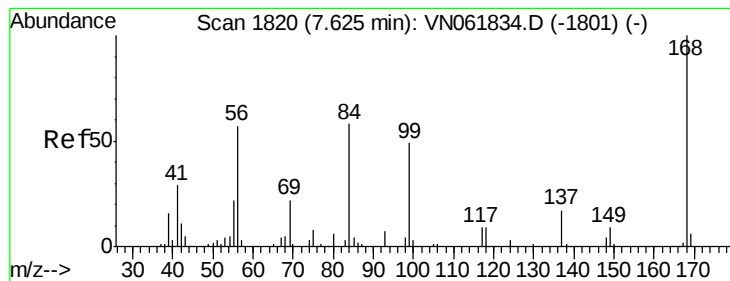
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061876.D

Acq: 18 Jun 2020 3:05

Instrument :

MSVOA_N

ClientSampleId :

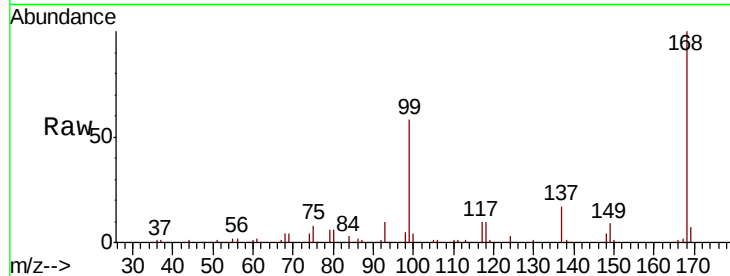
RE117D1-20200611

Tot Ion:168 Resp: 126687

Ion Ratio Lower Upper

168 100

99 58.4 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

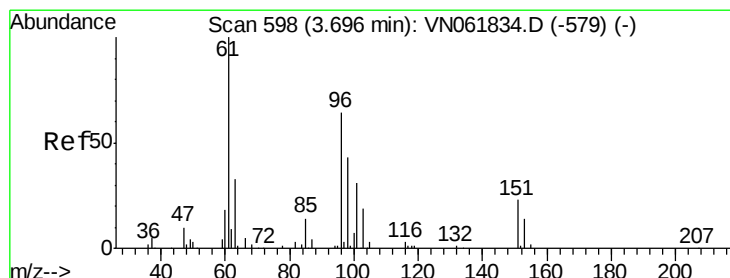
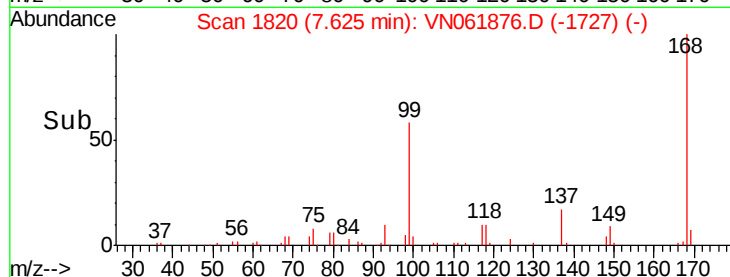
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#12

1,1-Dichloroethene

Concen: 0.312 ug/l

RT: 3.69 min Scan# 596

Delta R.T. -0.01 min

Lab File: VN061876.D

Acq: 18 Jun 2020 3:05

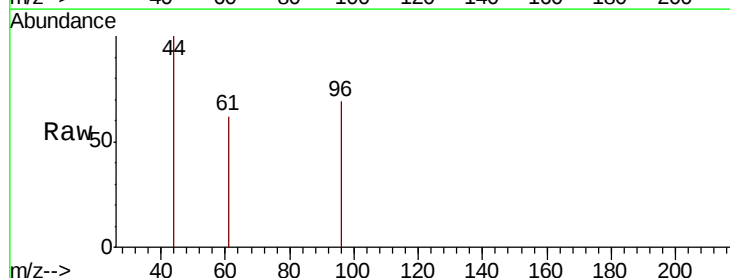
Tgt Ion: 96 Resp: 402

Ion Ratio Lower Upper

96 100

61 90.4 124.3 186.5#

98 0.0 53.1 79.7#



Abundance Ion 95.90 (95.60 to 96.60): VN

Ion 60.90 (60.60 to 61.60): VN

Ion 97.90 (97.60 to 98.60): VN

3.69

300

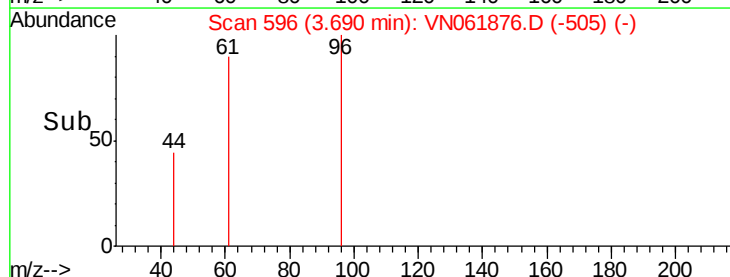
200

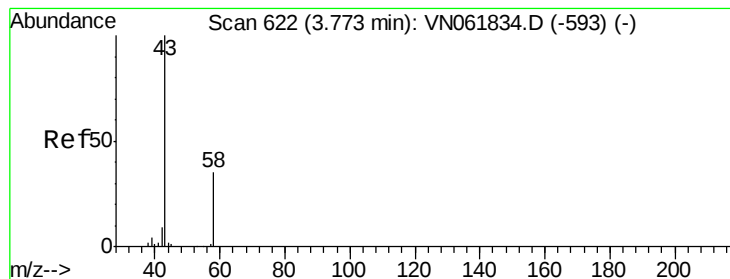
100

0

3.66 3.68 3.70 3.72

Time-->





#16

Acetone

Concen: 1.636 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061876.D

Acq: 18 Jun 2020 3:05

Instrument :

MSVOA_N

ClientSampleId :

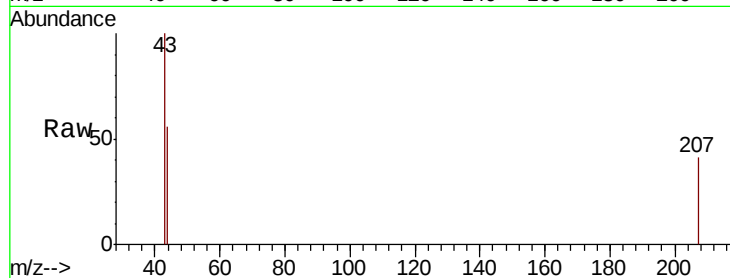
RE117D1-20200611

Tot Ion: 43 Resp: 821

Ion Ratio Lower Upper

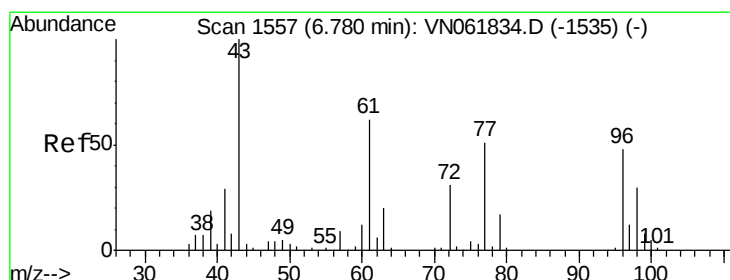
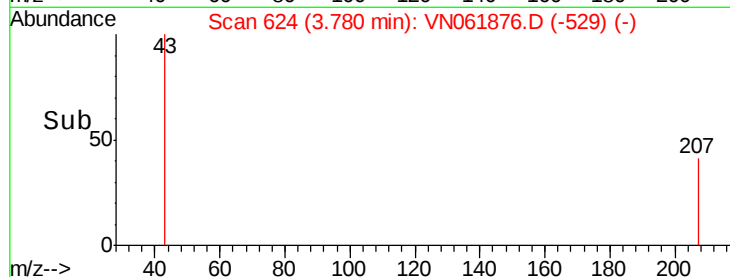
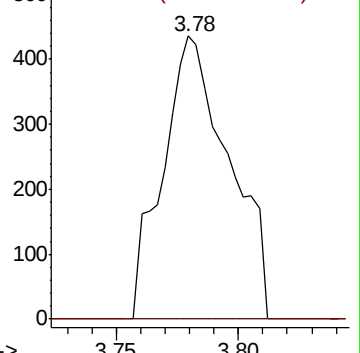
43 100

58 0.0 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#27

cis-1,2-Dichloroethene

Concen: 0.374 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061876.D

Acq: 18 Jun 2020 3:05

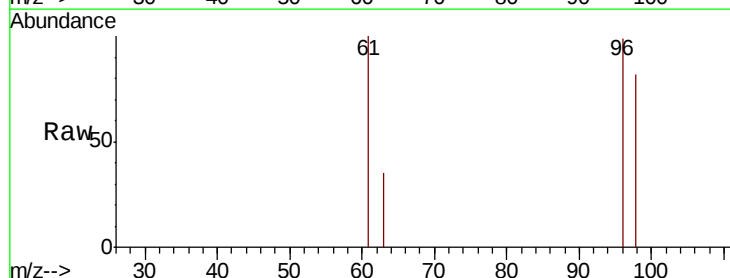
Tgt Ion: 96 Resp: 638

Ion Ratio Lower Upper

96 100

61 113.5 0.0 265.6

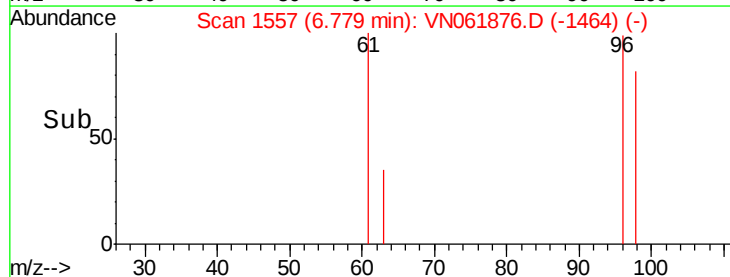
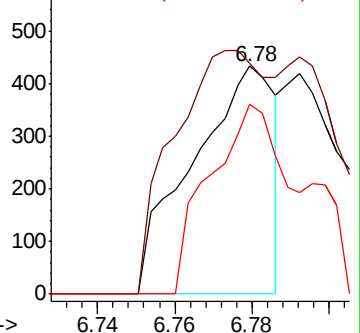
98 76.6 0.0 128.2

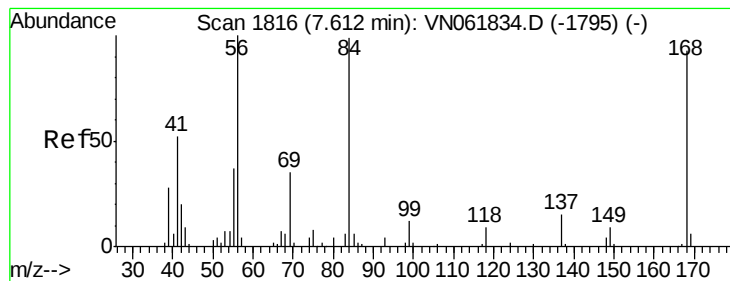


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#31

Cyclohexane

Concen: 1.201 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061876.D

Acq: 18 Jun 2020 3:05

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20200611

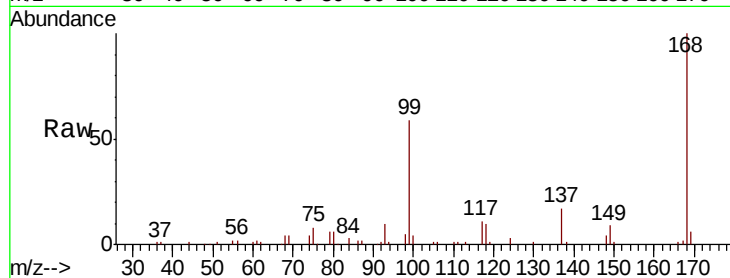
Tot Ion: 56 Resp: 2690

Ion Ratio Lower Upper

56 100

69 174.4 27.7 41.5#

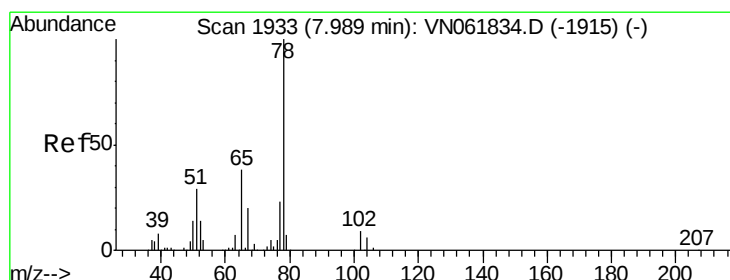
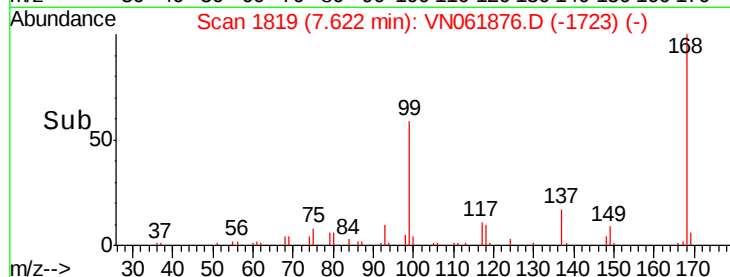
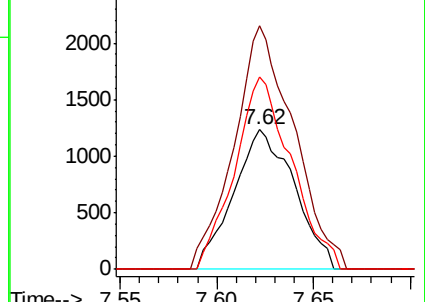
84 137.5 79.1 118.7#



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: 50.587 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061876.D

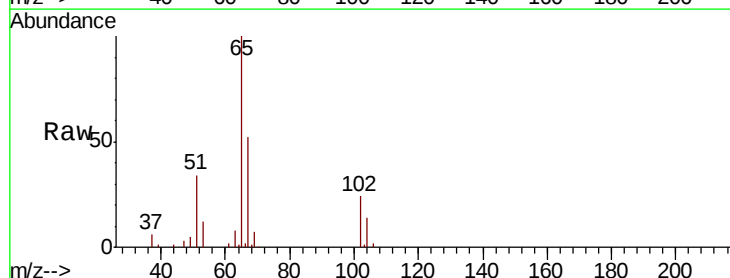
Acq: 18 Jun 2020 3:05

Tgt Ion: 65 Resp: 85951

Ion Ratio Lower Upper

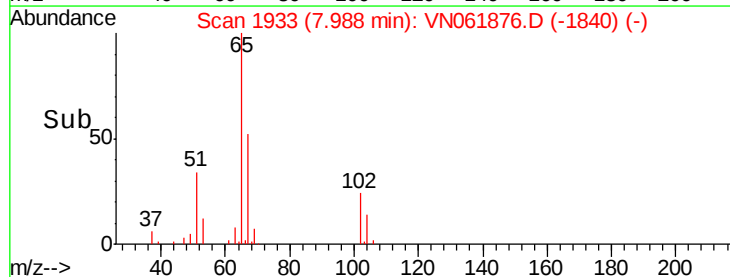
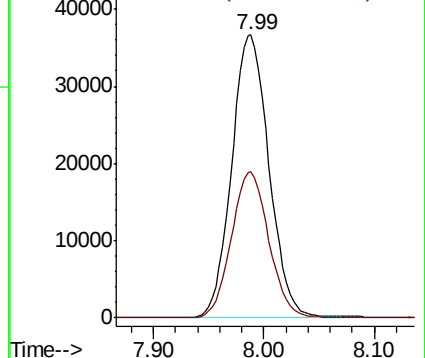
65 100

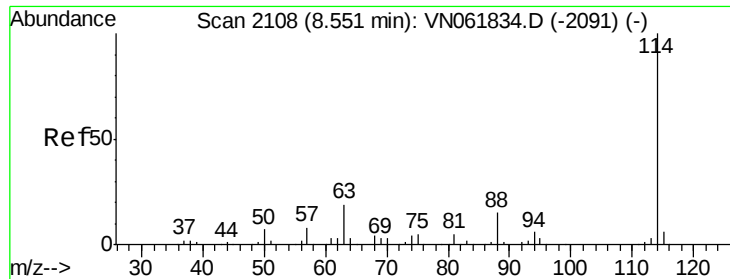
67 51.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

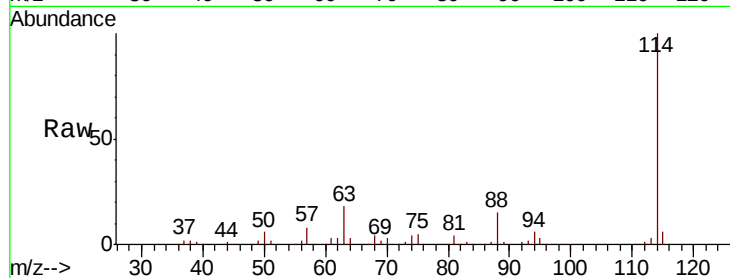




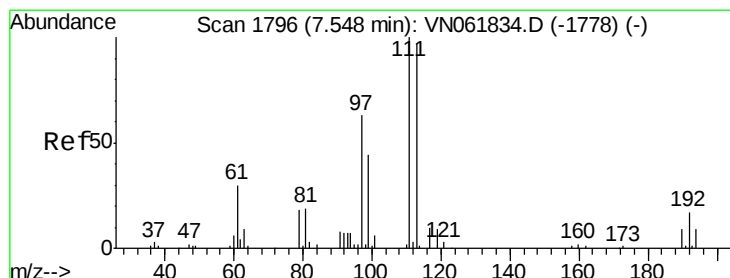
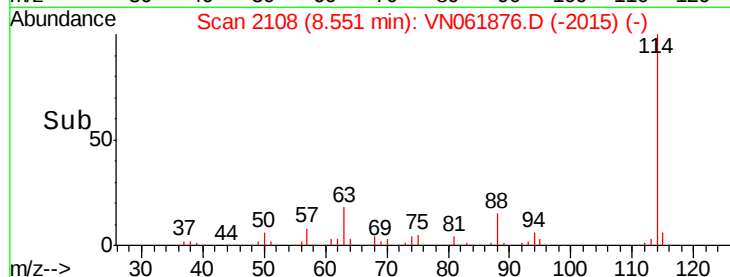
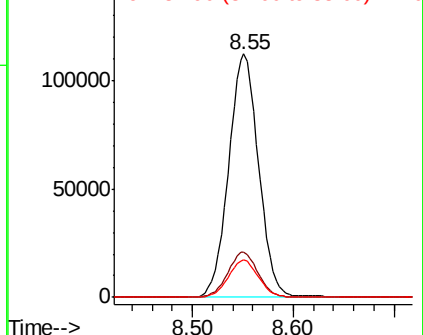
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN061876.D
Acq: 18 Jun 2020 3:05

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611

Tot Ion:114 Resp: 232298
Ion Ratio Lower Upper
114 100
63 18.4 0.0 37.6
88 15.4 0.0 31.0

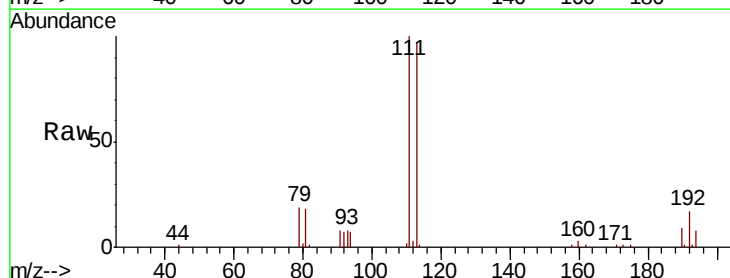


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

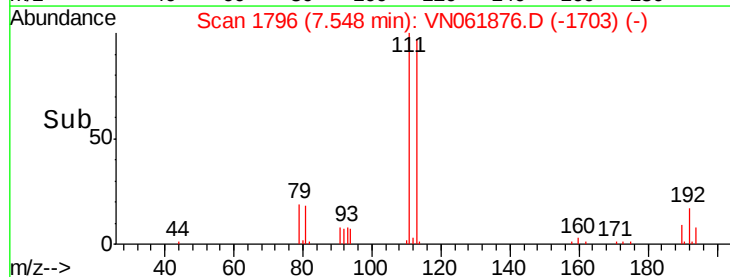
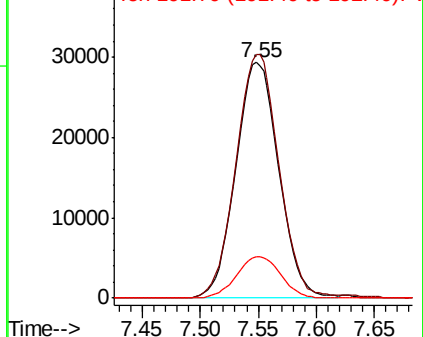


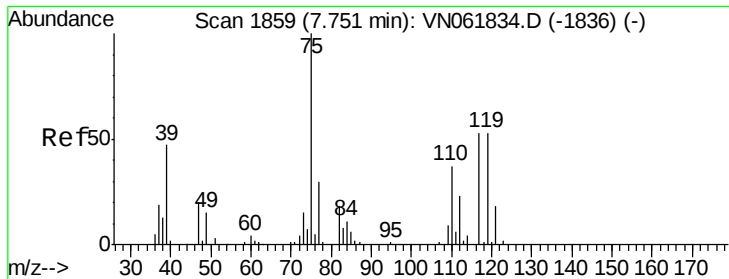
#35
Dibromofluoromethane
Concen: 50.884 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061876.D
Acq: 18 Jun 2020 3:05

Tgt Ion:113 Resp: 75620
Ion Ratio Lower Upper
113 100
111 103.4 83.7 125.5
192 17.9 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: 4.528 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN061876.D

Acq: 18 Jun 2020 3:05

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20200611

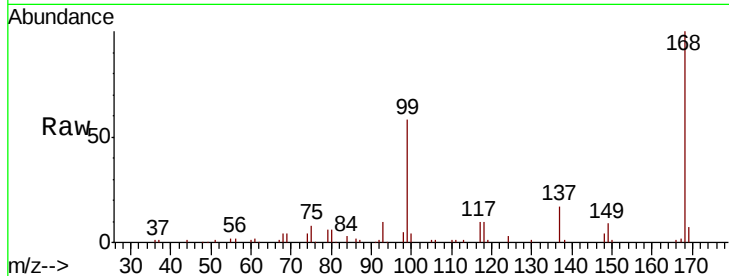
Tot Ion: 75 Resp: 9595

Ion Ratio Lower Upper

75 100

110 7.7 18.2 54.6#

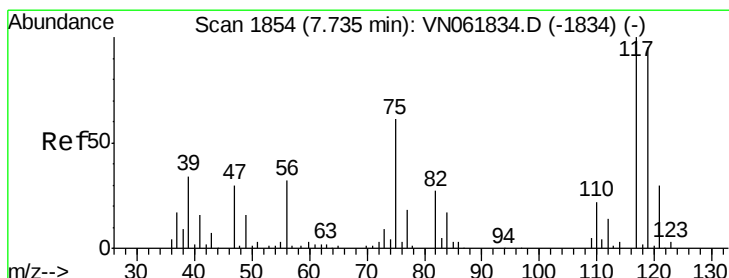
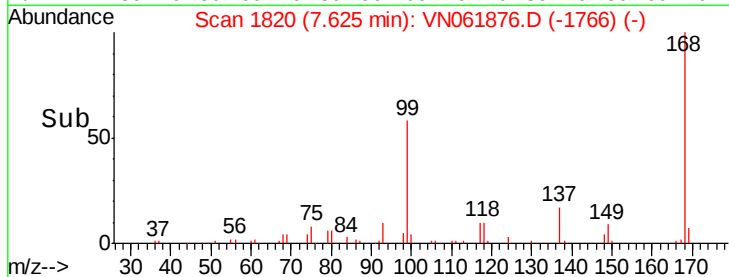
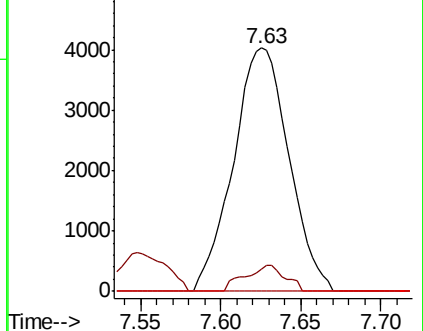
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN061834.D (-1836) (-)



#38

Carbon Tetrachloride

Concen: 1.031 ug/l

RT: 7.74 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VN061876.D

Acq: 18 Jun 2020 3:05

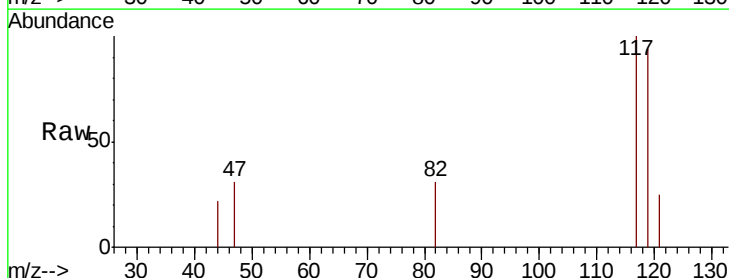
Tgt Ion: 117 Resp: 2163

Ion Ratio Lower Upper

117 100

119 93.7 75.8 113.6

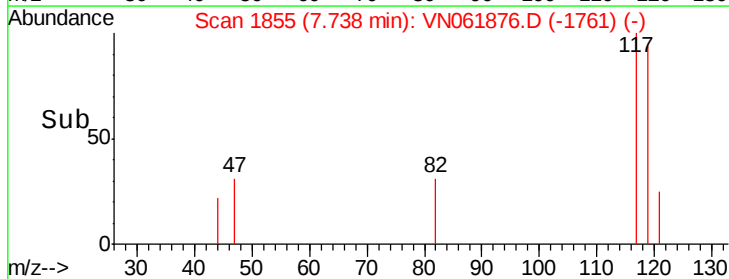
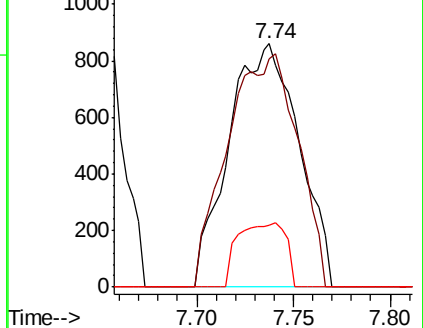
121 25.3 23.8 35.6

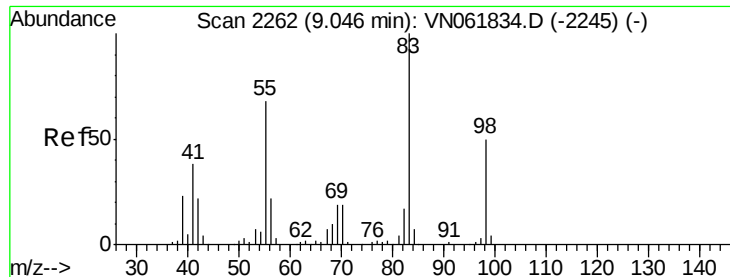


Abundance Ion 116.80 (116.50 to 117.50): VN061834.D (-1834) (-)

Ion 118.80 (118.50 to 119.50): VN061834.D (-1834) (-)

Ion 120.80 (120.50 to 121.50): VN061834.D (-1834) (-)

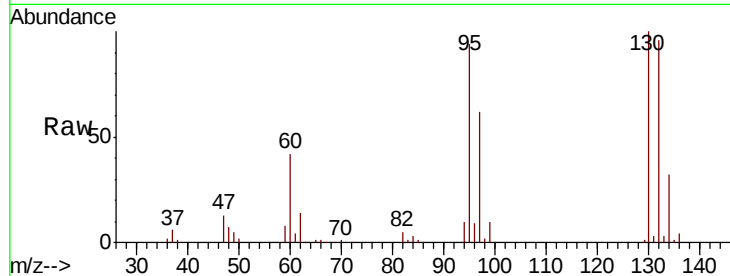




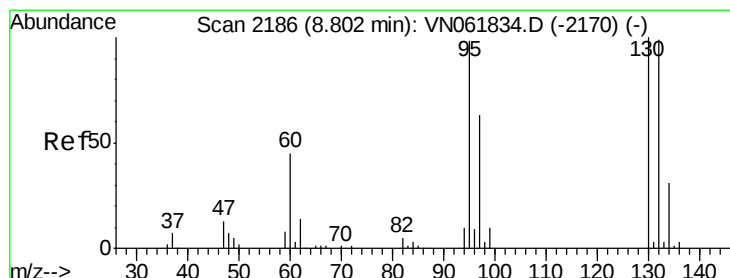
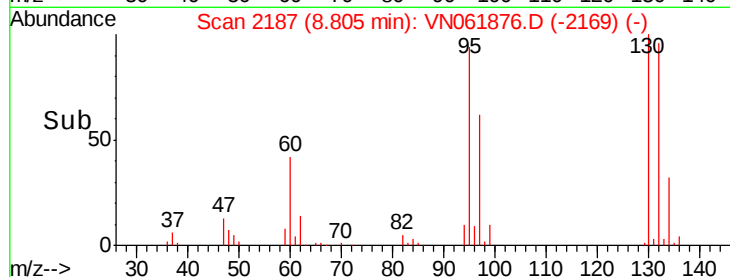
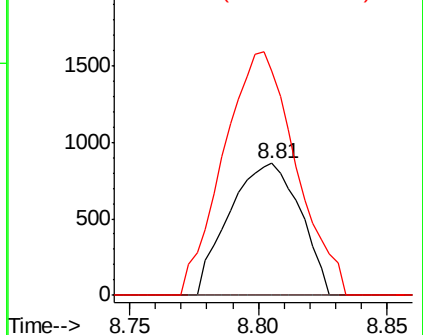
#39
Methylcyclohexane
Concen: 0.725 ug/l
RT: 8.81 min Scan# 2187
Delta R.T. -0.24 min
Lab File: VN061876.D
Acq: 18 Jun 2020 3:05

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611

Tot Ion: 83 Resp: 1654
Ion Ratio Lower Upper
83 100
55 0.0 54.2 81.4#
98 146.8 39.8 59.6#

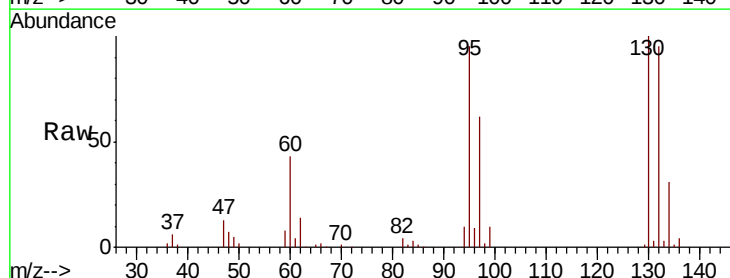


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

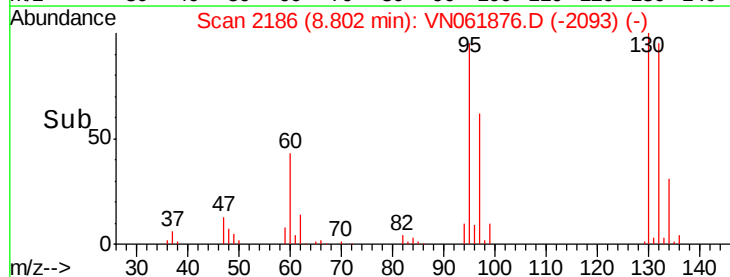
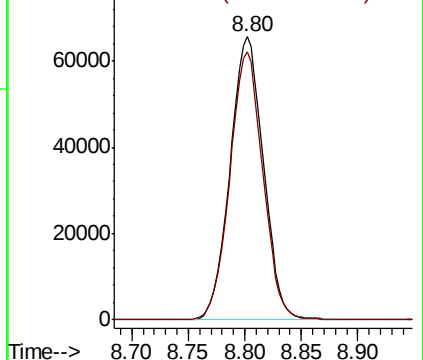


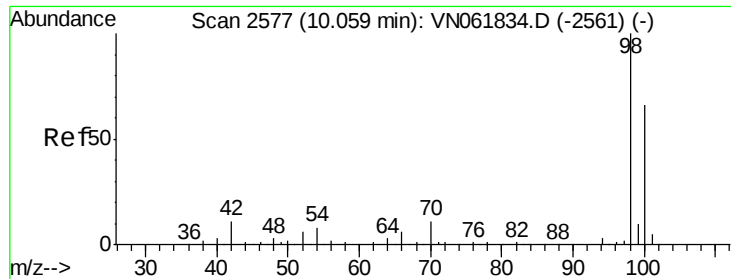
#44
Trichloroethene
Concen: 79.668 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061876.D
Acq: 18 Jun 2020 3:05

Tgt Ion: 130 Resp: 134571
Ion Ratio Lower Upper
130 100
95 94.7 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 49.769 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061876.D

Acq: 18 Jun 2020 3:05

Instrument :

MSVOA_N

ClientSampleId :

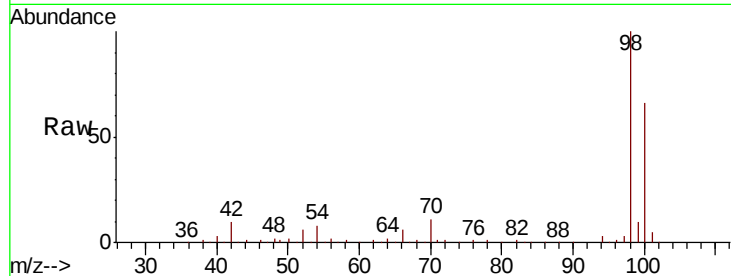
RE117D1-20200611

Tot Ion: 98 Resp: 290779

Ion Ratio Lower Upper

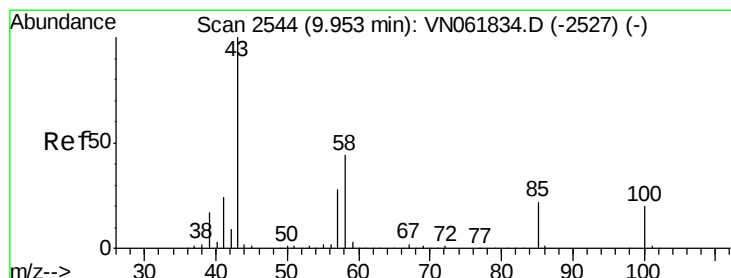
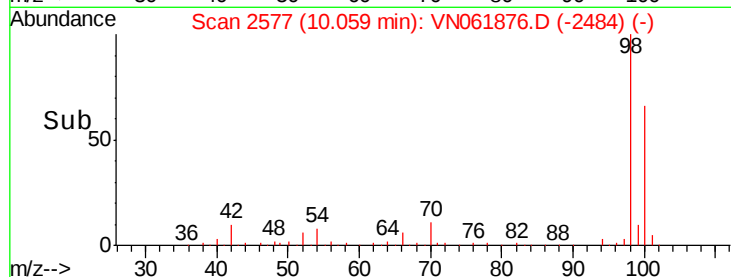
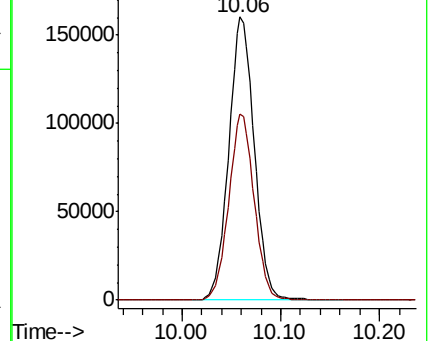
98 100

100 65.4 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.607 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN061876.D

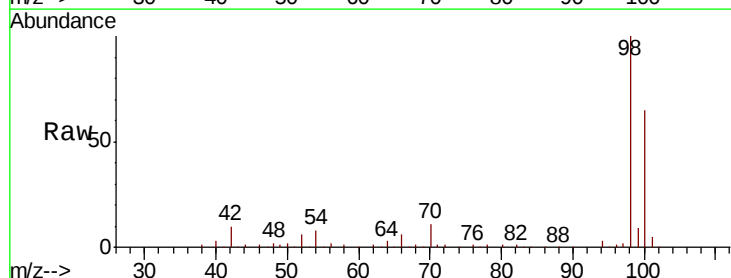
Acq: 18 Jun 2020 3:05

Tgt Ion: 43 Resp: 1000

Ion Ratio Lower Upper

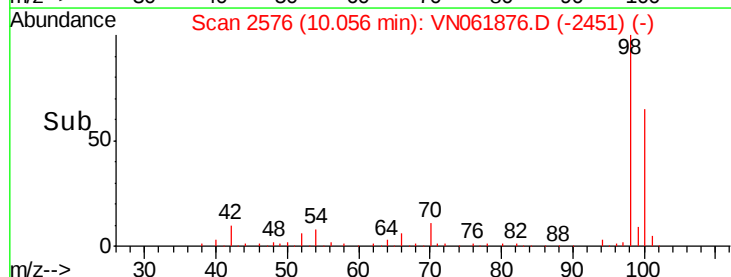
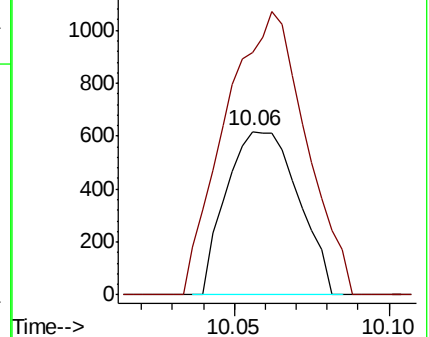
43 100

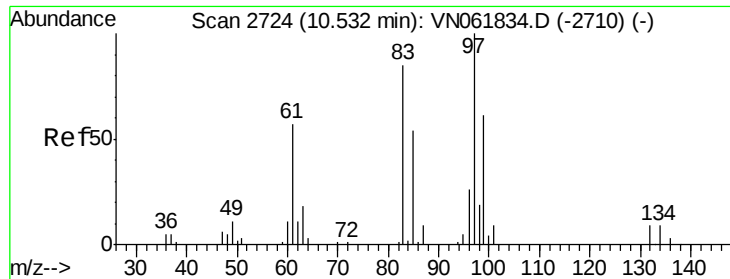
58 193.7 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#55

1,1,2-Trichloroethane

Concen: 0.267 ug/l

RT: 10.53 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061876.D

Acq: 18 Jun 2020 3:05

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20200611

Tot Ion: 97 Resp: 423

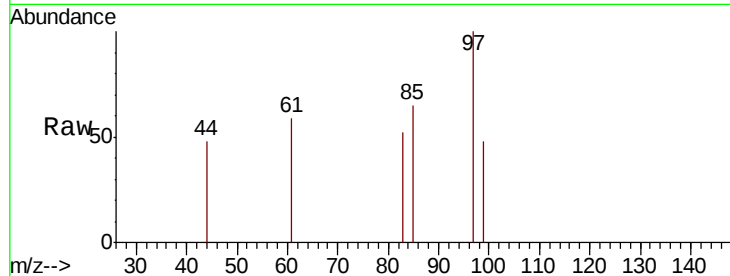
Ion Ratio Lower Upper

97 100

83 51.7 67.7 101.5#

85 65.3 43.4 65.0#

99 48.0 48.8 73.2#

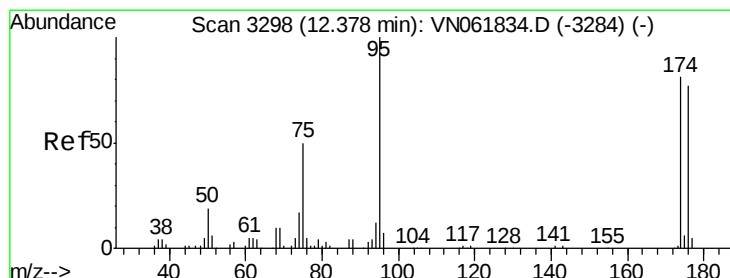
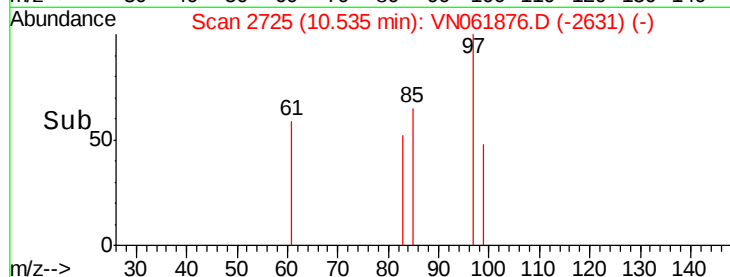
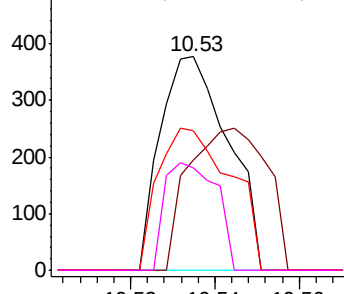


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#62

4-Bromofluorobenzene

Concen: 46.454 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061876.D

Acq: 18 Jun 2020 3:05

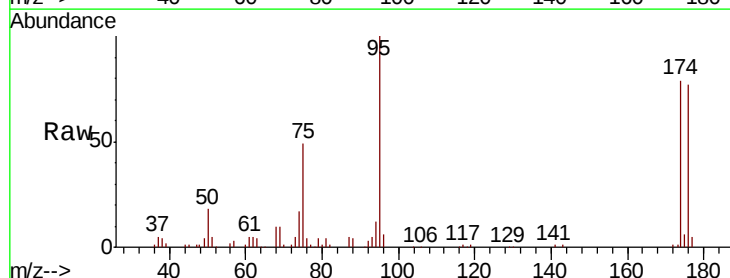
Tgt Ion: 95 Resp: 93097

Ion Ratio Lower Upper

95 100

174 78.4 0.0 158.6

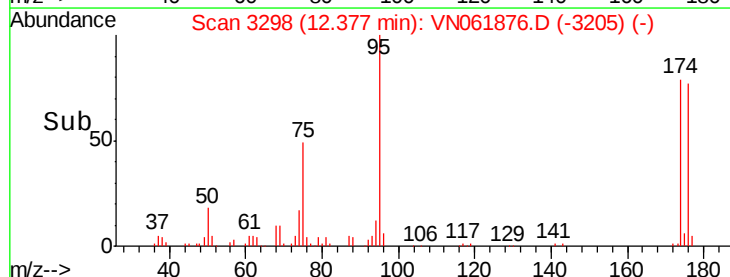
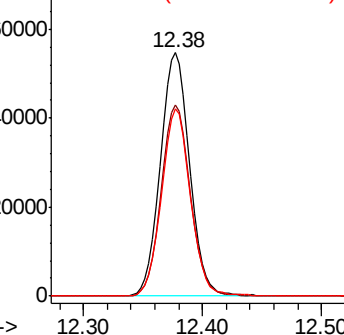
176 76.2 0.0 152.0

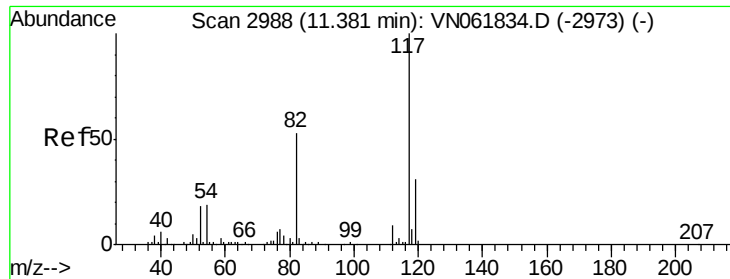


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

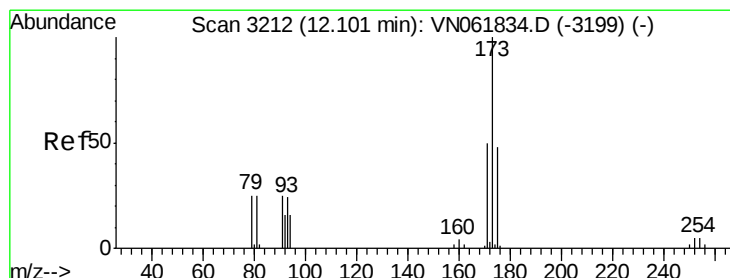
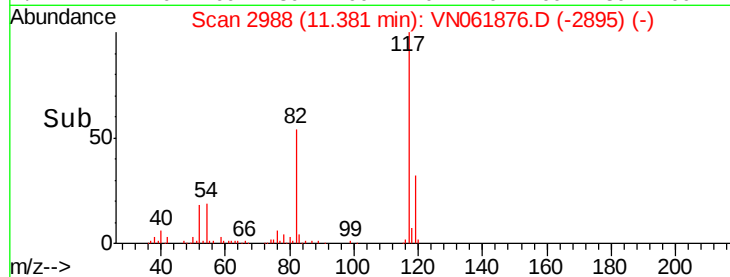
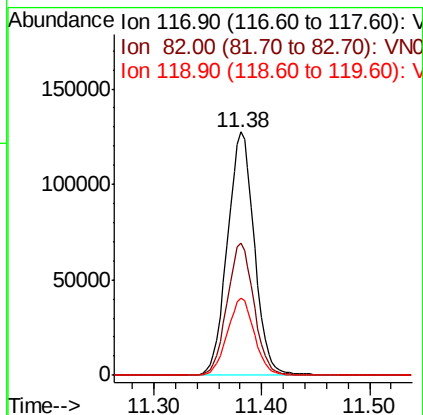
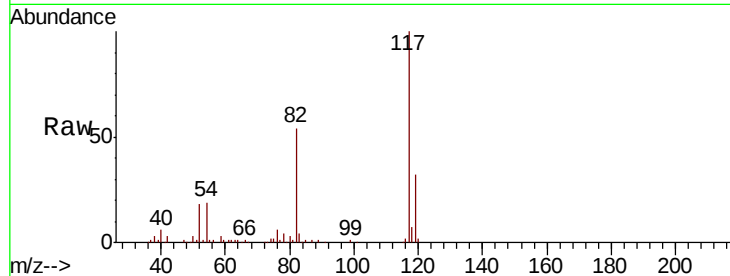




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061876.D
Acq: 18 Jun 2020 3:05

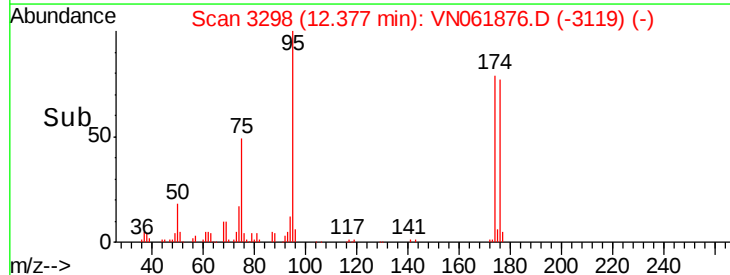
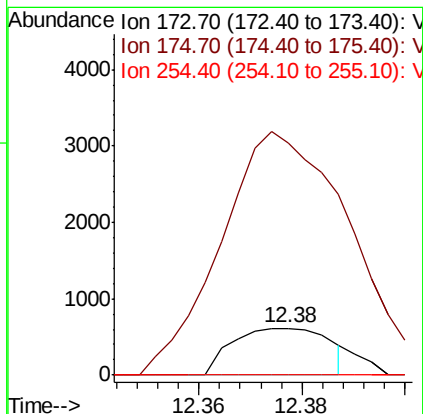
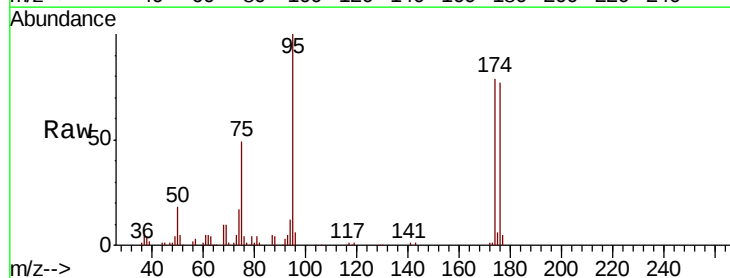
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611

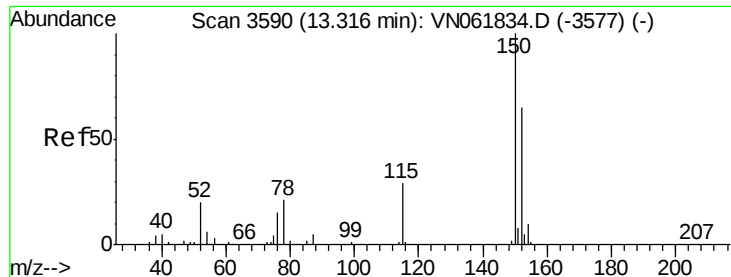
Tot Ion:117 Resp: 221510
Ion Ratio Lower Upper
117 100
82 54.2 42.6 64.0
119 31.7 24.7 37.1



#71
Bromoform
Concen: 0.672 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061876.D
Acq: 18 Jun 2020 3:05

Tgt Ion:173 Resp: 799
Ion Ratio Lower Upper
173 100
175 575.5 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: VN061876.D

Acq: 18 Jun 2020 3:05

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20200611

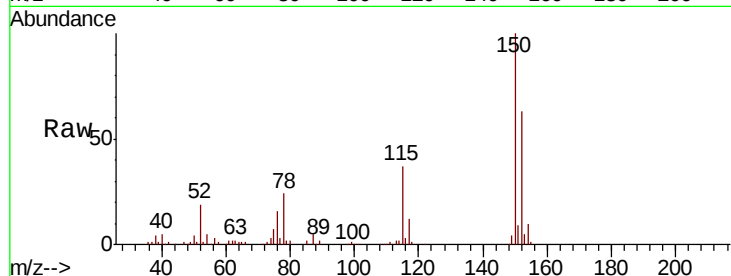
Tot Ion:152 Resp: 82546

Ion Ratio Lower Upper

152 100

115 57.9 29.1 87.3

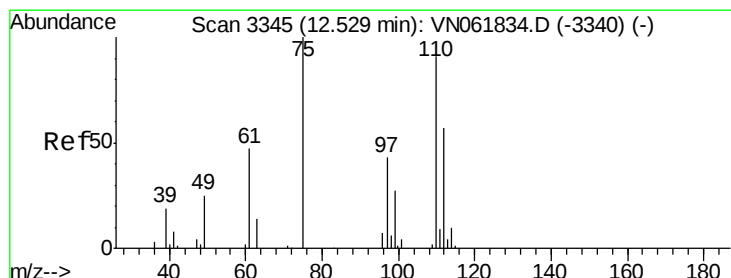
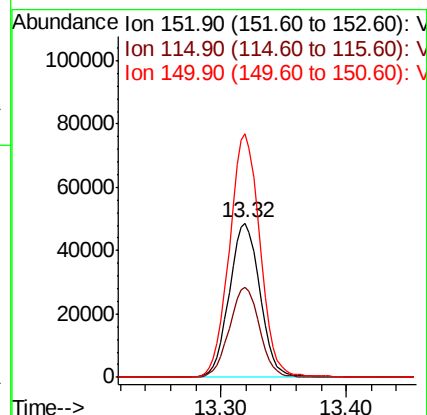
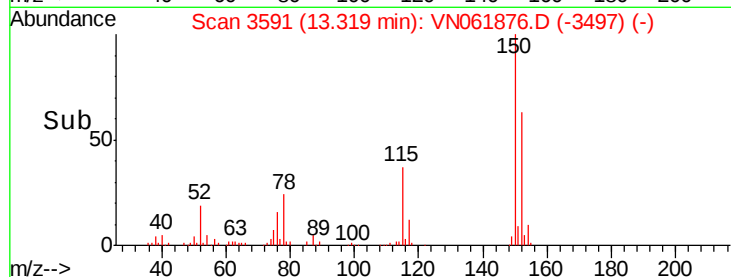
150 157.8 0.0 347.6



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: 27.926 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061876.D

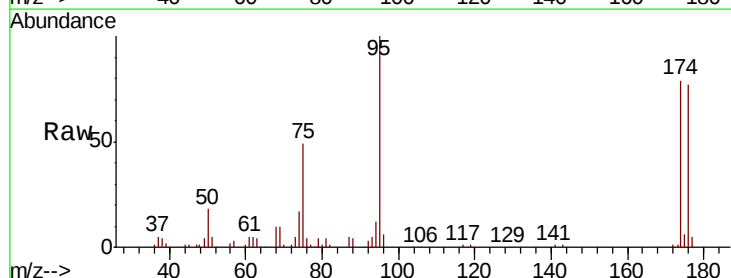
Acq: 18 Jun 2020 3:05

Tgt Ion: 75 Resp: 45257

Ion Ratio Lower Upper

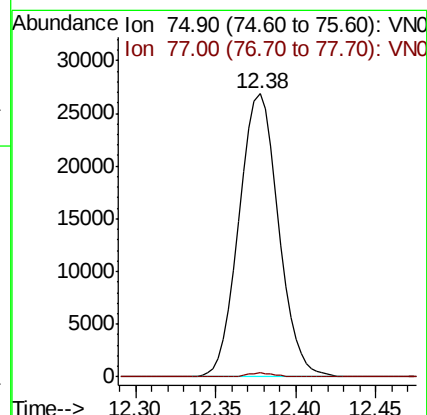
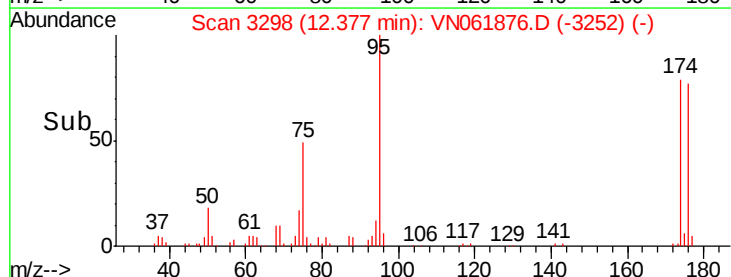
75 100

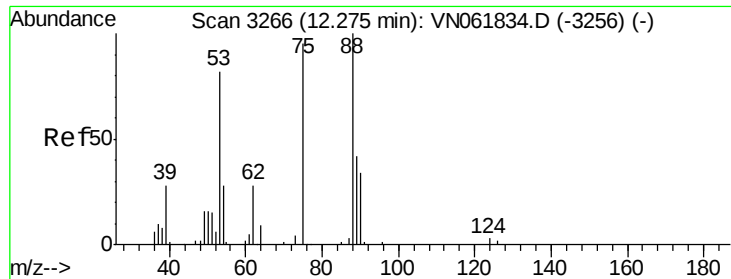
77 0.9 0.0 0.0#



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: 76.167 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061876.D

Acq: 18 Jun 2020 3:05

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20200611

Tot Ion: 75 Resp: 45257

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

