

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064837.D
 Acq On : 25 Nov 2020 2:42
 Operator : JC/MD
 Sample : L4798-11DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 91BR-20201118DL

Quant Time: Nov 25 05:59:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	161825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	281394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	287595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	128997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	97387	51.77	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	103.54%		
35) Dibromofluoromethane	7.55	113	90564	53.79	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	107.58%		
50) Toluene-d8	10.06	98	346906	50.42	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.84%		
62) 4-Bromofluorobenzene	12.38	95	133475	54.21	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	108.42%		

Target Compounds

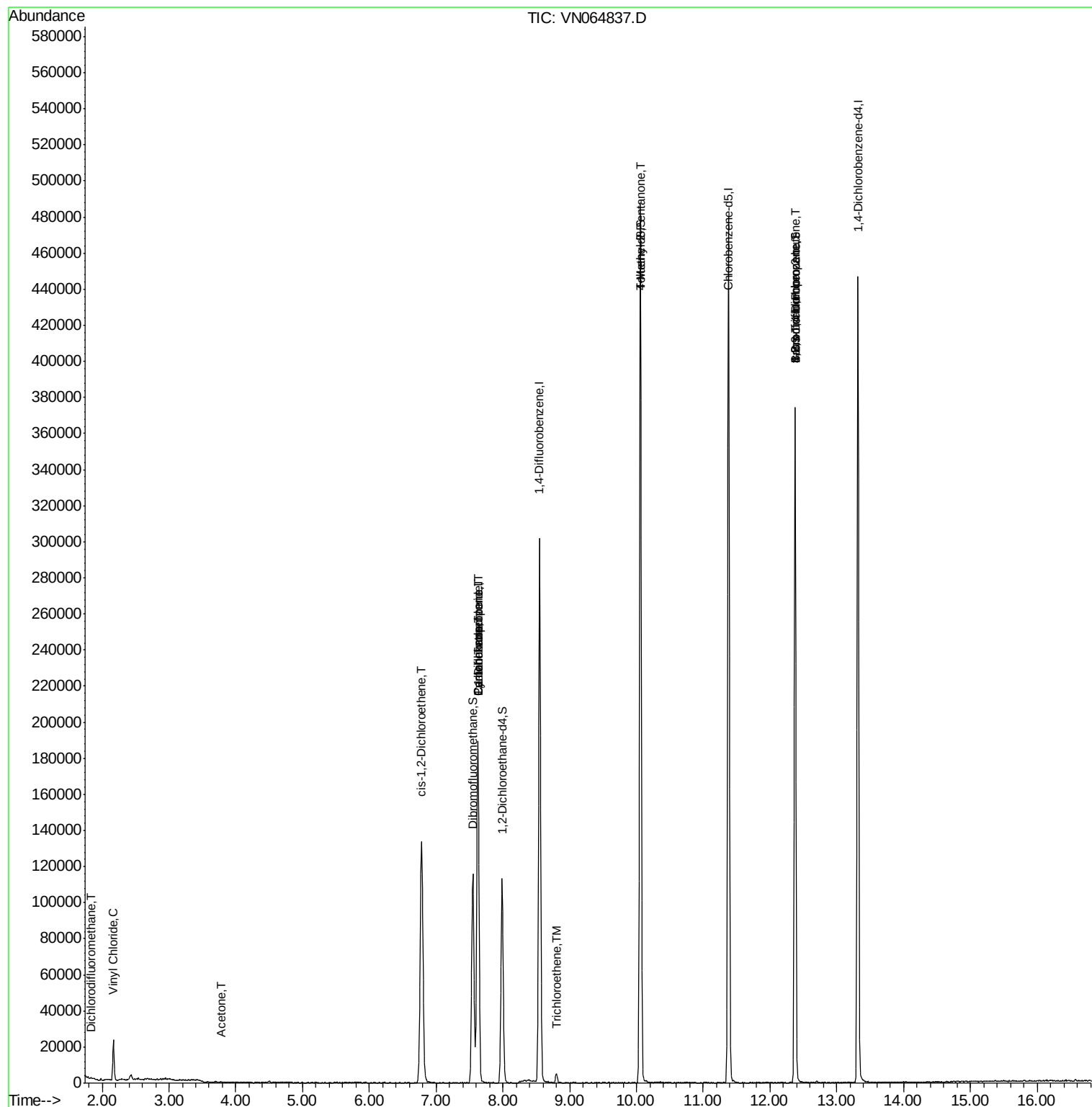
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	569	0.406	ug/l #	42
4) Vinyl Chloride	2.17	62	20840	10.968	ug/l	97
16) Acetone	3.78	43	229	0.370	ug/l #	43
27) cis-1,2-Dichloroethene	6.78	96	91716	46.773	ug/l	89
31) Cyclohexane	7.63	56	2524	0.963	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11224	4.303	ug/l #	47
38) Carbon Tetrachloride	7.63	117	15546	5.728	ug/l #	16
44) Trichloroethene	8.80	130	2230	0.946	ug/l	98
51) 4-Methyl-2-Pentanone	10.06	43	1493	0.615	ug/l #	1
71) Bromoform	12.38	173	1062	0.586	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	64222	23.118	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	64222	63.360	ug/l #	15

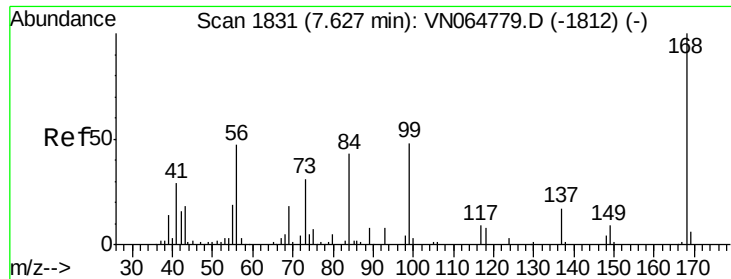
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064837.D

Acq: 25 Nov 2020 2:42

Instrument :

MSVOA_N

ClientSampleId :

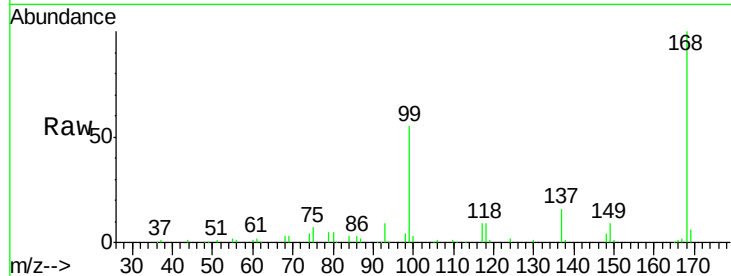
91BR-20201118DL

Tot Ion:168 Resp: 161825

Ion Ratio Lower Upper

168 100

99 54.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064837.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN064837.D (-1738) (-)

7.63

60000

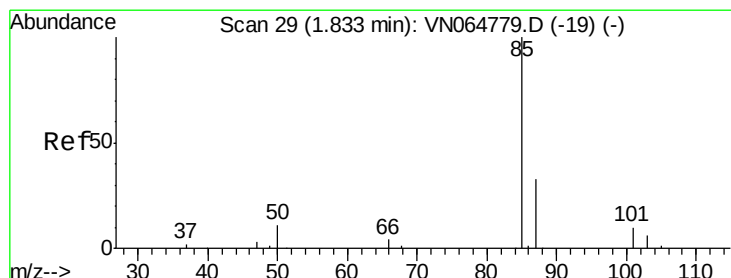
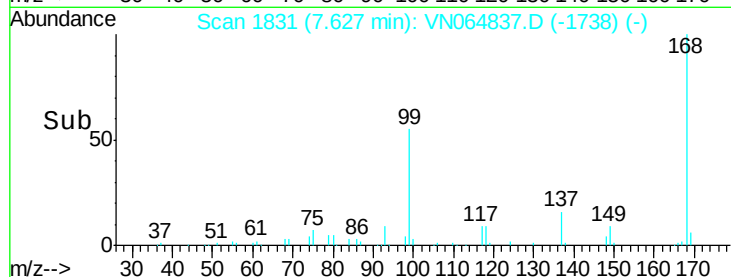
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.406 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064837.D

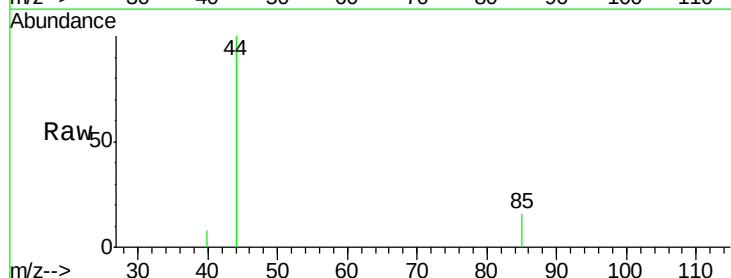
Acq: 25 Nov 2020 2:42

Tgt Ion: 85 Resp: 569

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VN064837.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN064837.D (-1) (-)

1.83

500

400

300

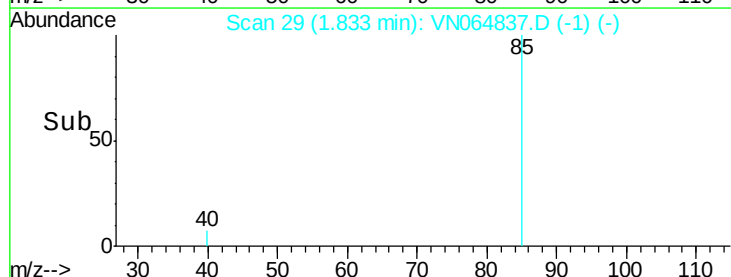
200

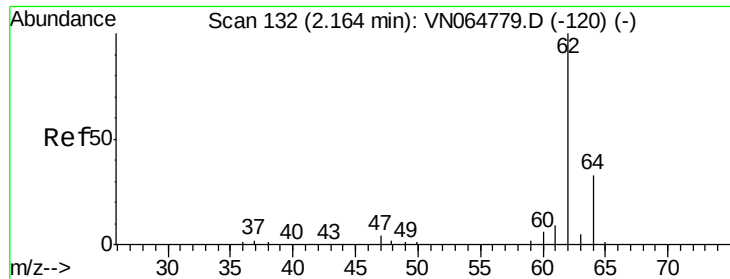
100

0

1.80 1.82 1.84 1.86

Time-->





#4

Vinyl Chloride

Concen: 10.968 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064837.D

Acq: 25 Nov 2020 2:42

Instrument :

MSVOA_N

ClientSampleId :

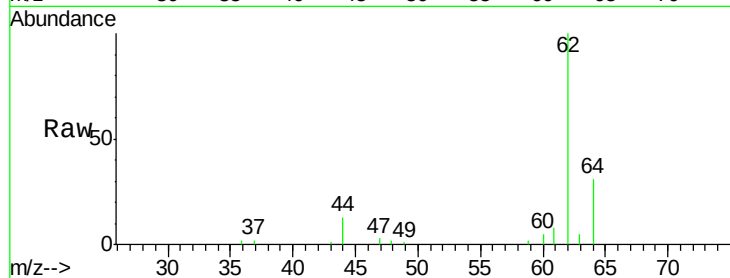
91BR-20201118DL

Tot Ion: 62 Resp: 20840

Ion Ratio Lower Upper

62 100

64 31.2 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

15000

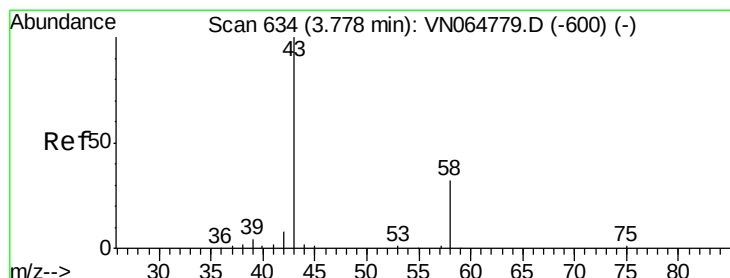
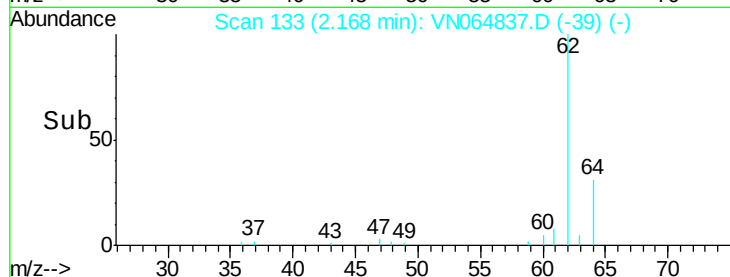
10000

5000

0

Time--> 2.10 2.15 2.20

2.17



#16

Acetone

Concen: 0.370 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN064837.D

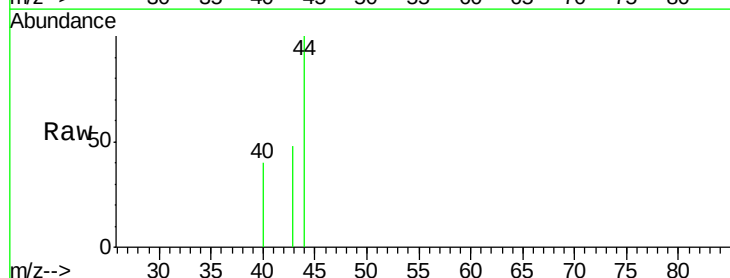
Acq: 25 Nov 2020 2:42

Tgt Ion: 43 Resp: 229

Ion Ratio Lower Upper

43 100

58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250

200

150

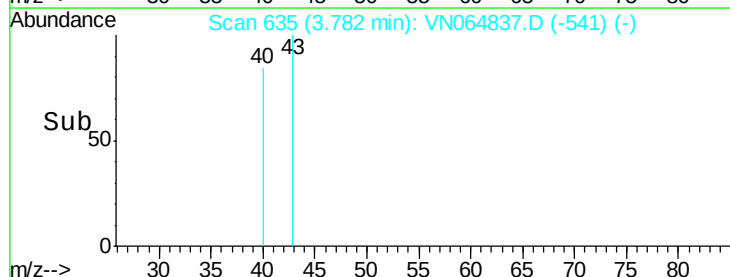
100

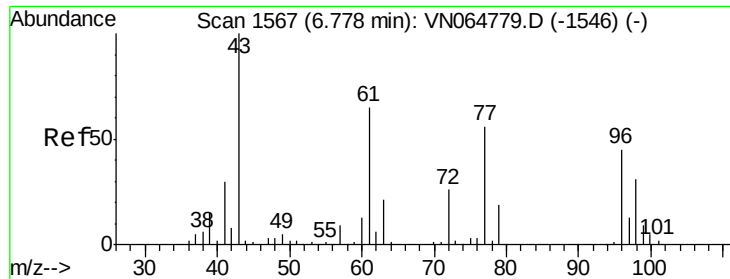
50

0

Time--> 3.76 3.78 3.80

3.78





#27

cis-1,2-Dichloroethene

Concen: 46.773 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064837.D

Acq: 25 Nov 2020 2:42

Instrument :

MSVOA_N

ClientSampleId :

91BR-20201118DL

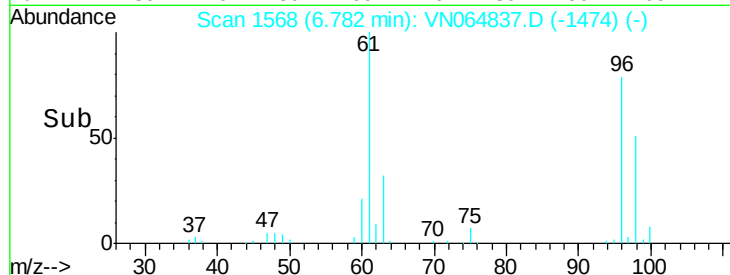
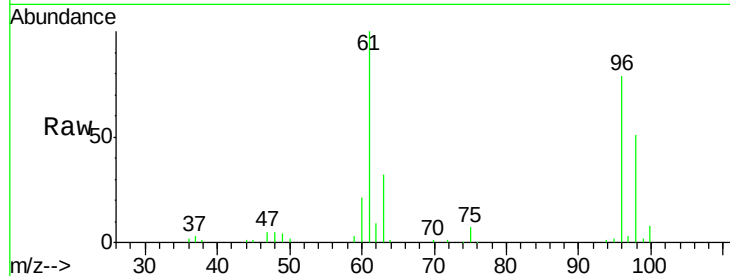
Tot Ion: 96 Resp: 91716

Ion Ratio Lower Upper

96 100

61 124.9 0.0 285.8

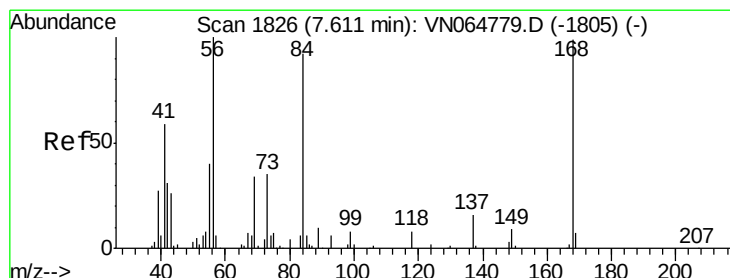
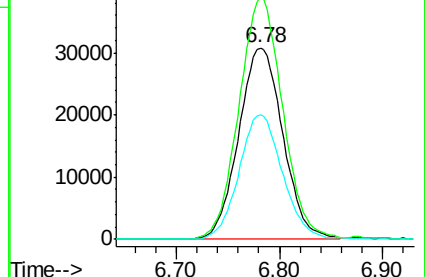
98 64.0 0.0 130.6



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: 0.963 ug/l

RT: 7.63 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN064837.D

Acq: 25 Nov 2020 2:42

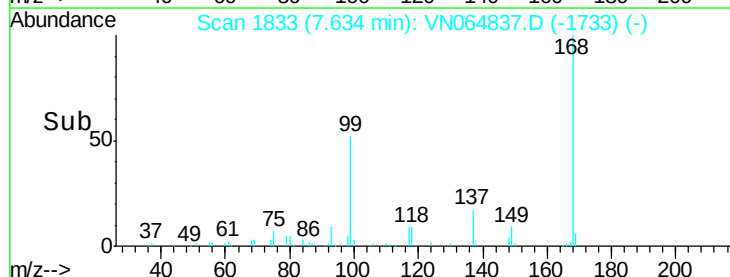
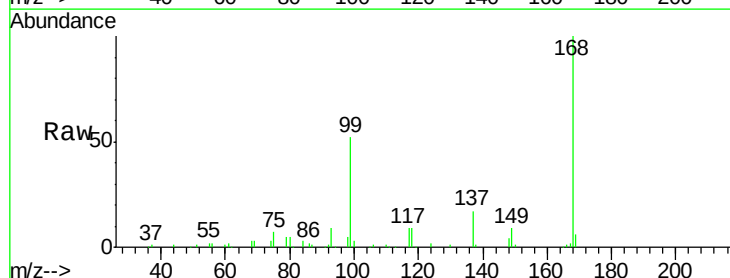
Tgt Ion: 56 Resp: 2524

Ion Ratio Lower Upper

56 100

69 187.5 27.5 41.3#

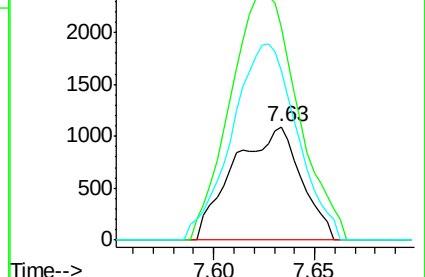
84 149.1 73.9 110.9#

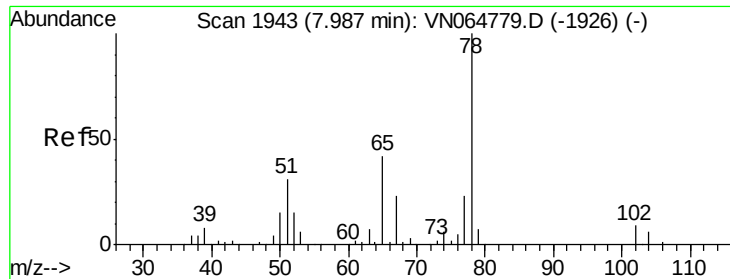


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

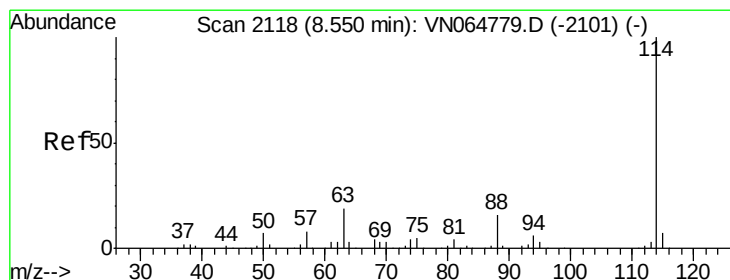
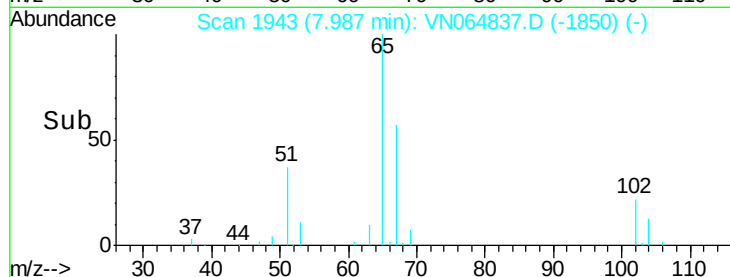
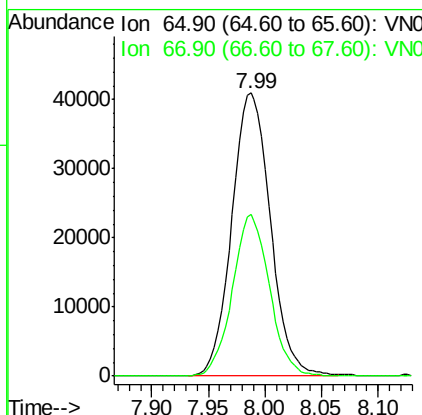
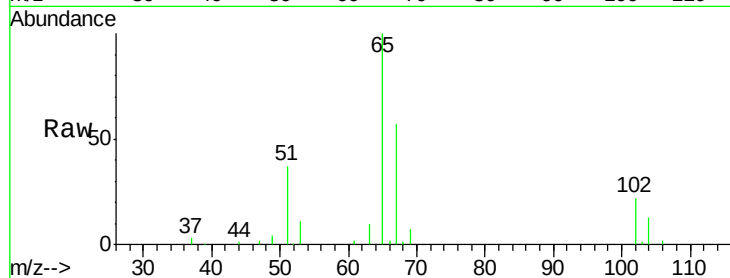




#33
 1,2-Dichloroethane-d4
 Concen: 51.765 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064837.D
 Acq: 25 Nov 2020 2:42

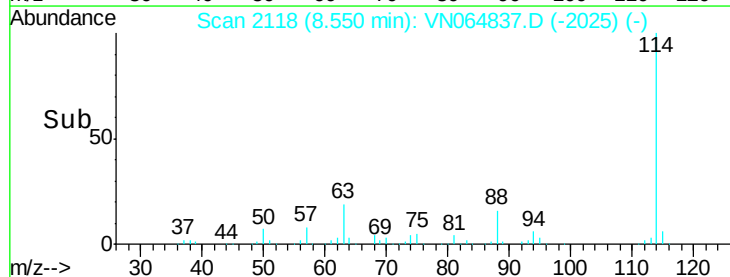
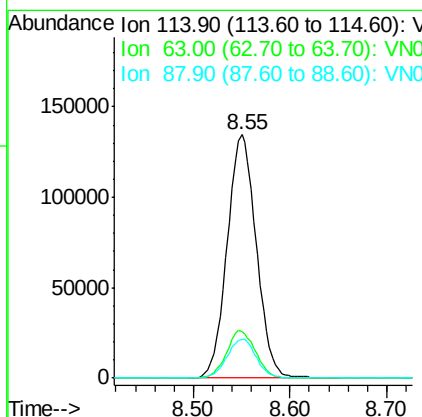
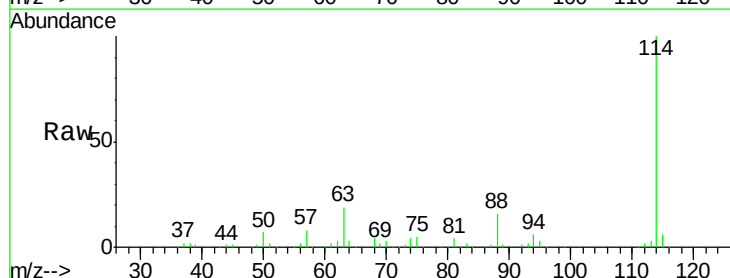
Instrument :
 MSVOA_N
 ClientSampleId :
 91BR-20201118DL

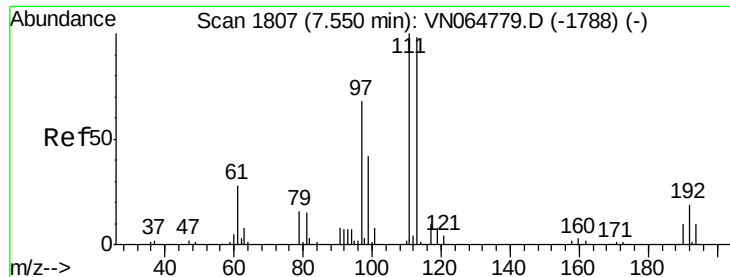
Tot Ion: 65 Resp: 97387
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064837.D
 Acq: 25 Nov 2020 2:42

Tgt Ion: 114 Resp: 281394
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.9 0.0 32.6

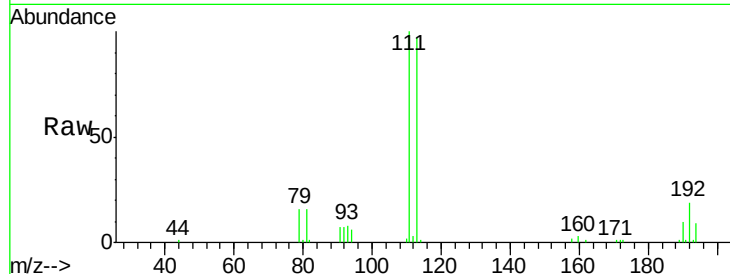




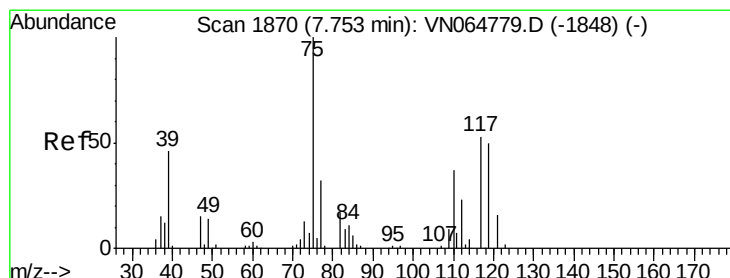
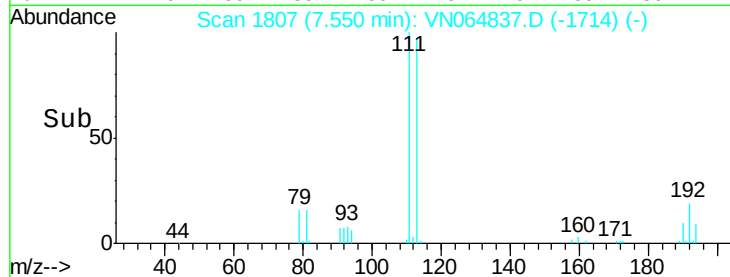
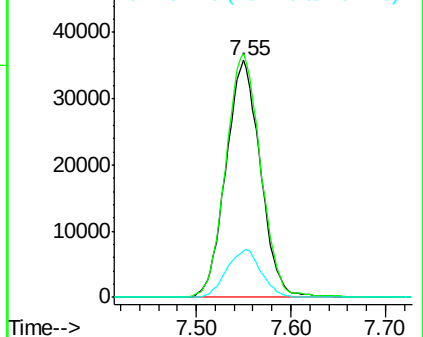
#35
 Dibromofluoromethane
 Concen: 53.786 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064837.D
 Acq: 25 Nov 2020 2:42

Instrument :
 MSVOA_N
 ClientSampleId :
 91BR-20201118DL

Tot Ion:113 Resp: 90564
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.6 122.4
 192 20.1 16.2 24.2

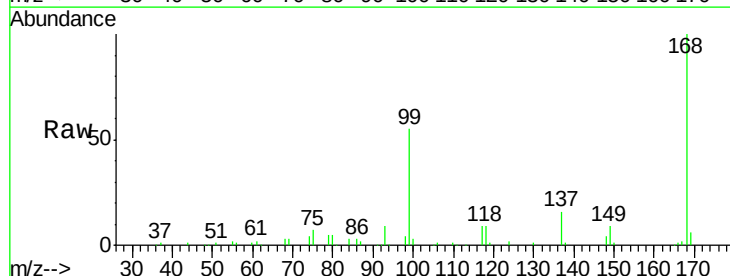


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

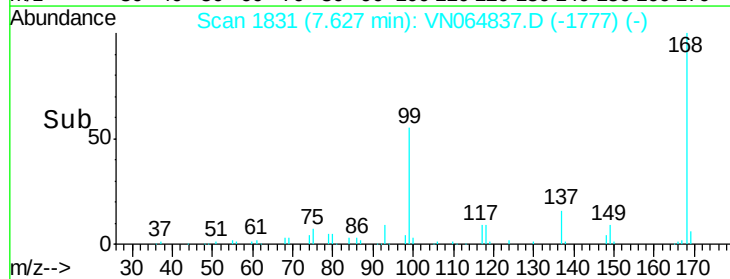
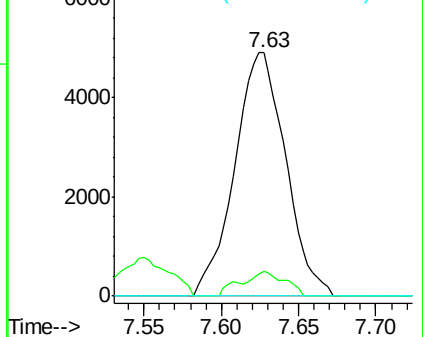


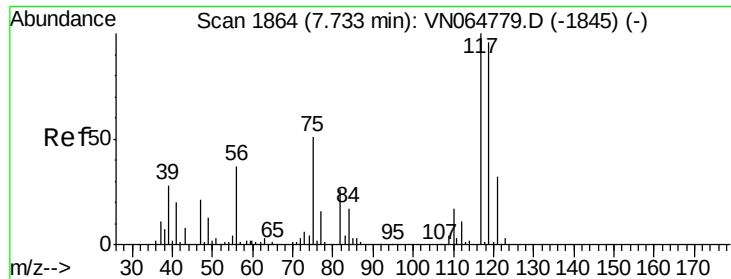
#36
 1,1-Dichloropropene
 Concen: 4.303 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064837.D
 Acq: 25 Nov 2020 2:42

Tgt Ion: 75 Resp: 11224
 Ion Ratio Lower Upper
 75 100
 110 6.6 17.8 53.3#
 77 0.0 25.0 37.4#



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: 5.728 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064837.D

Acq: 25 Nov 2020 2:42

Instrument :

MSVOA_N

ClientSampleId :

91BR-20201118DL

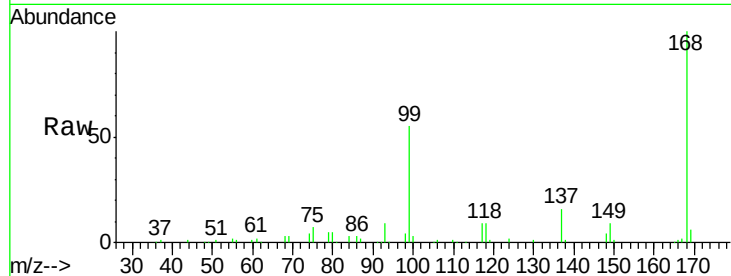
Tot Ion:117 Resp: 15546

Ion Ratio Lower Upper

117 100

119 5.7 76.7 115.1#

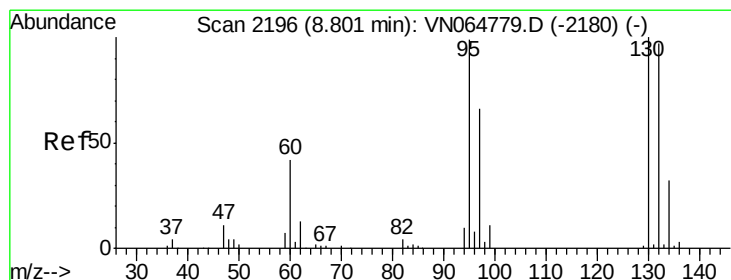
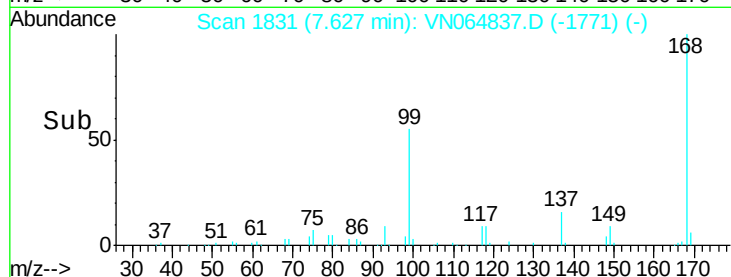
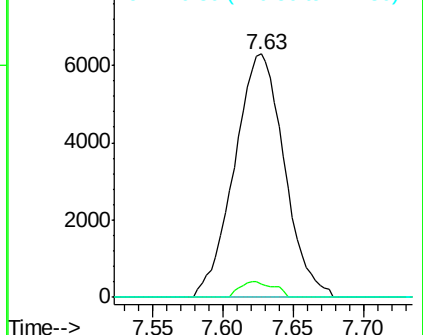
121 0.0 25.4 38.2#



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: 0.946 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN064837.D

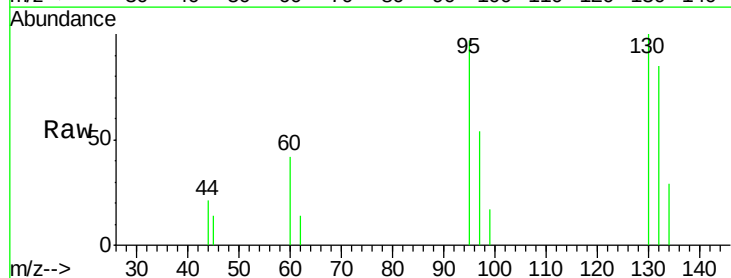
Acq: 25 Nov 2020 2:42

Tgt Ion:130 Resp: 2230

Ion Ratio Lower Upper

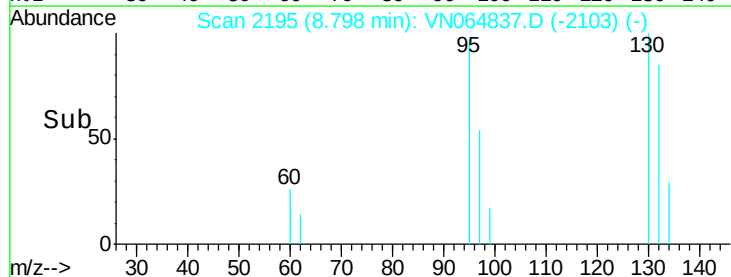
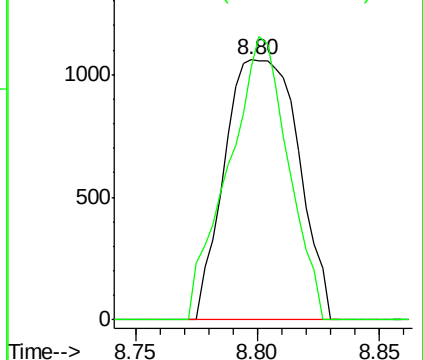
130 100

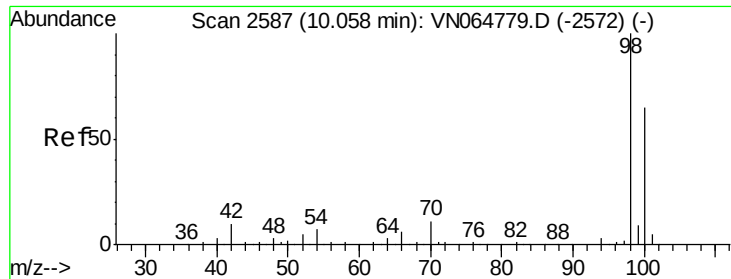
95 97.2 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 50.424 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064837.D

Acq: 25 Nov 2020 2:42

Instrument :

MSVOA_N

ClientSampleId :

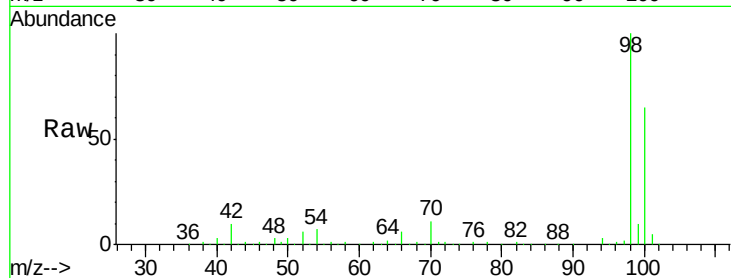
91BR-20201118DL

Tot Ion: 98 Resp: 346906

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

10.06

200000

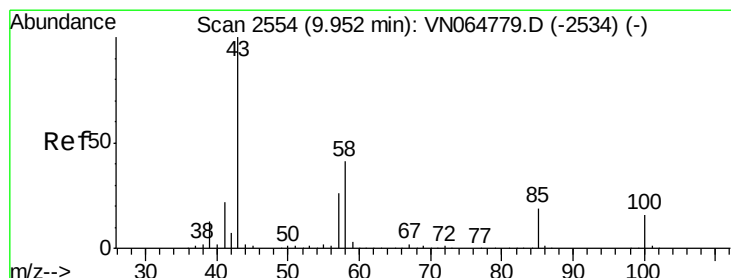
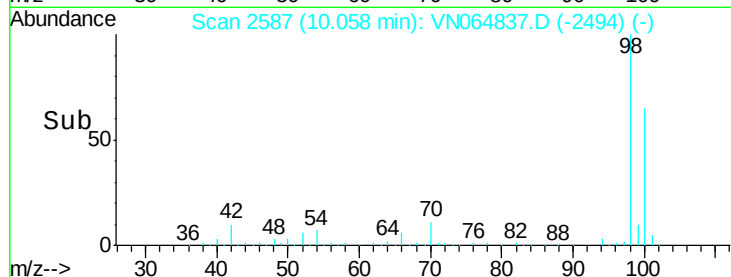
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.615 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN064837.D

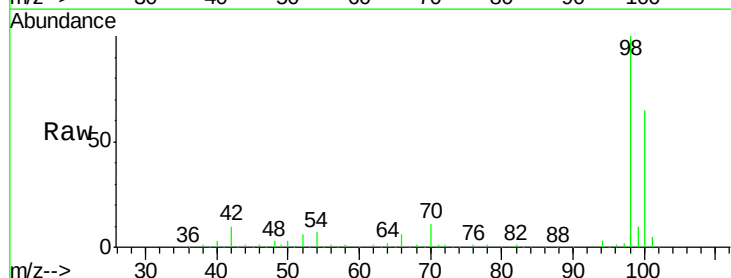
Acq: 25 Nov 2020 2:42

Tgt Ion: 43 Resp: 1493

Ion Ratio Lower Upper

43 100

58 185.7 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)

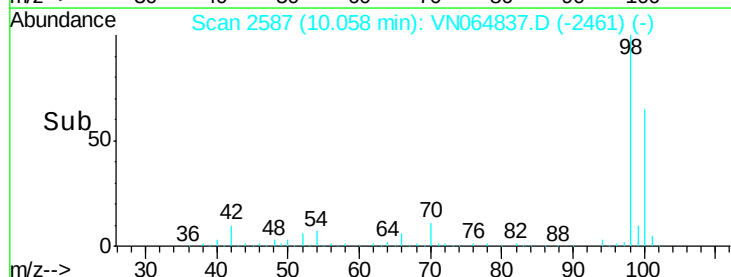
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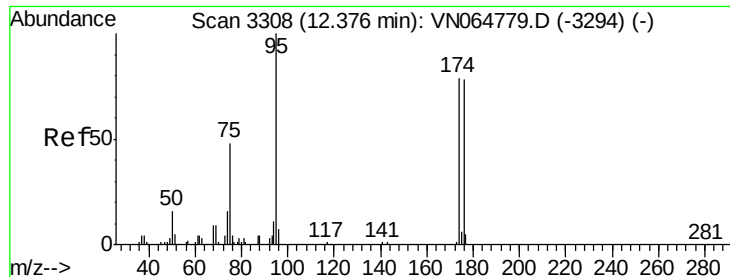
1000

500

0

Time-->

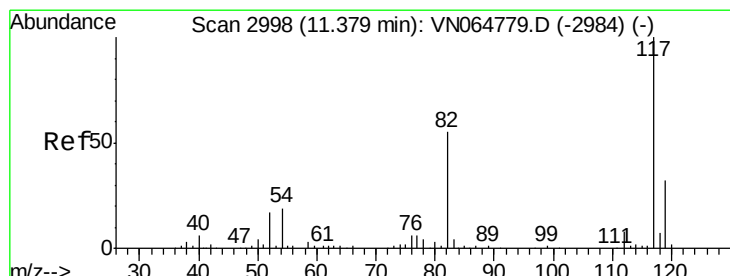
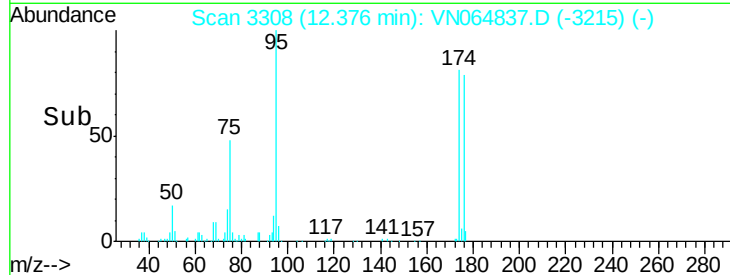
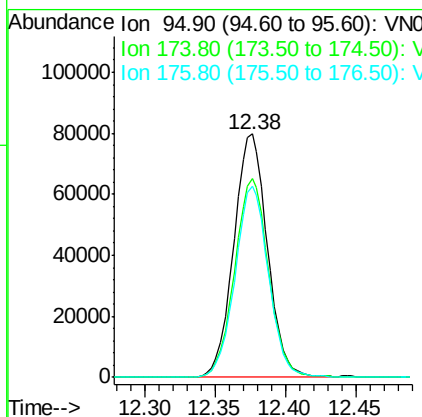
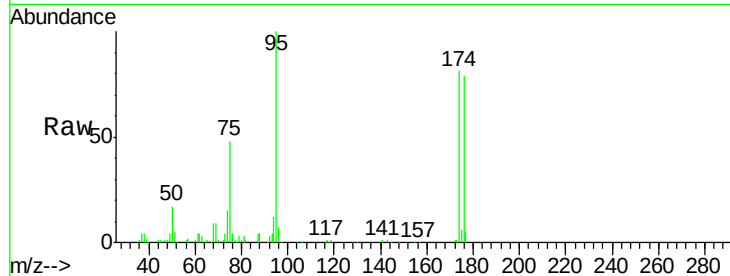




#62
4-Bromofluorobenzene
Concen: 54.211 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064837.D
Acq: 25 Nov 2020 2:42

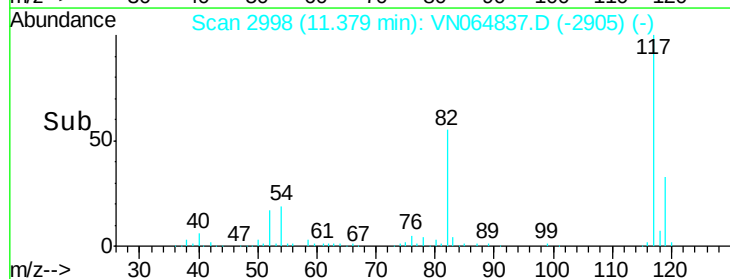
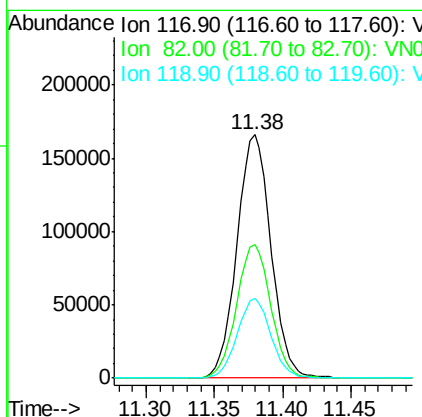
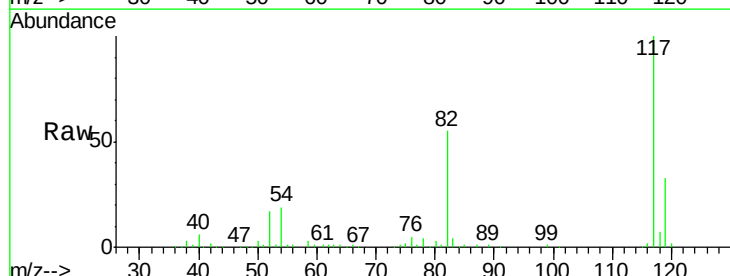
Instrument :
MSVOA_N
ClientSampleId :
91BR-20201118DL

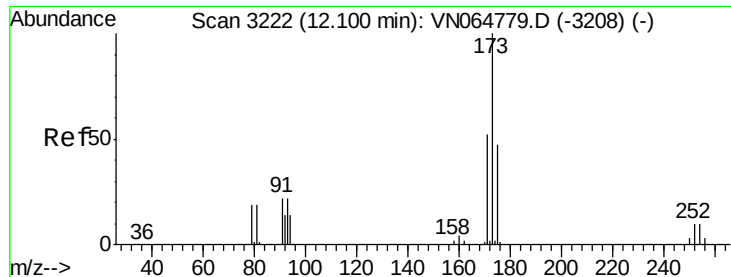
Tot Ion: 95 Resp: 133475
Ion Ratio Lower Upper
95 100
174 82.4 0.0 160.4
176 78.0 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064837.D
Acq: 25 Nov 2020 2:42

Tgt Ion: 117 Resp: 287595
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 32.6 25.8 38.6

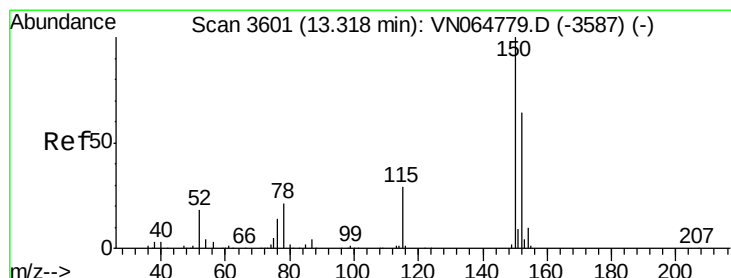
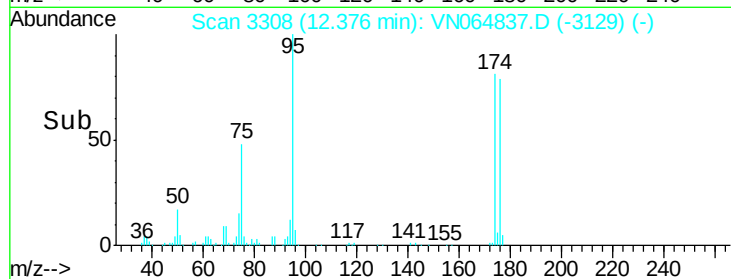
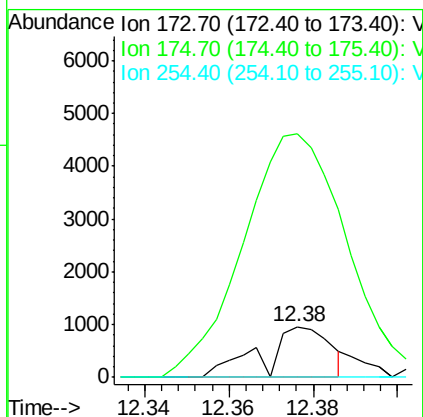
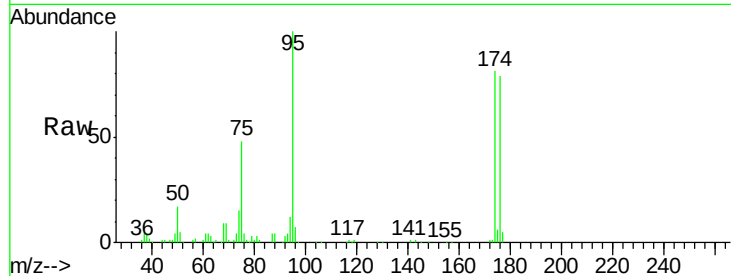




#71
Bromoform
Concen: 0.586 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN064837.D
Acq: 25 Nov 2020 2:42

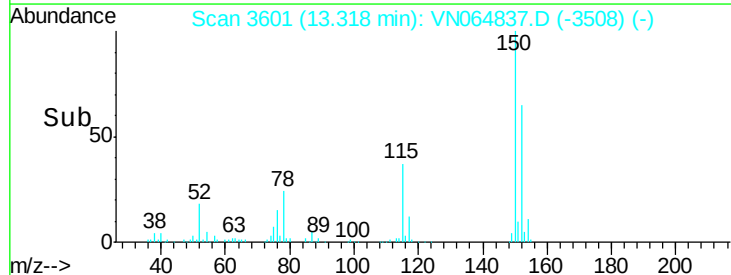
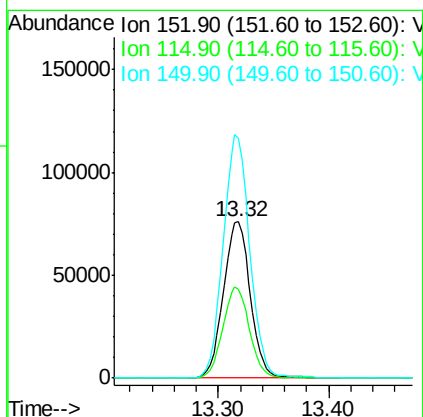
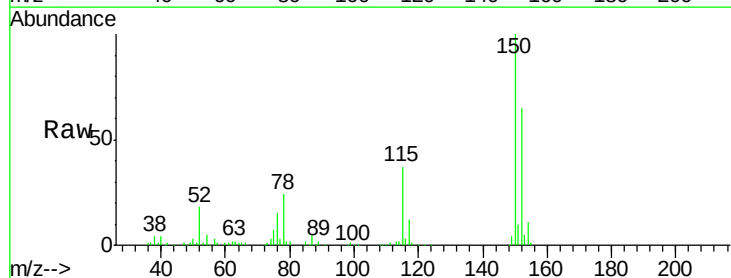
Instrument :
MSVOA_N
ClientSampleId :
91BR-20201118DL

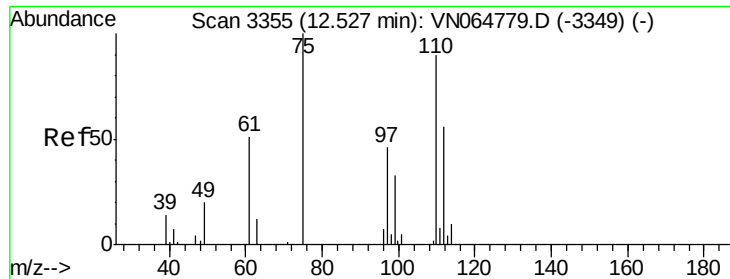
Tot Ion:173 Resp: 1062
Ion Ratio Lower Upper
173 100
175 632.6 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064837.D
Acq: 25 Nov 2020 2:42

Tgt Ion:152 Resp: 128997
Ion Ratio Lower Upper
152 100
115 57.5 29.7 89.1
150 154.0 0.0 350.6

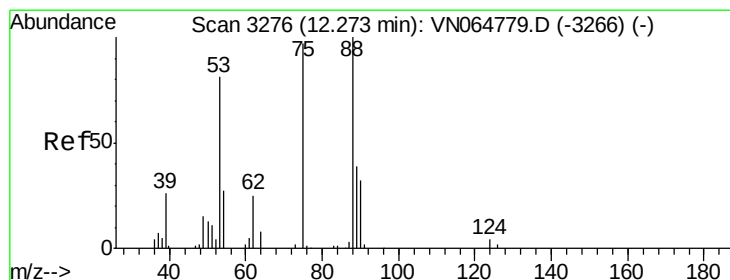
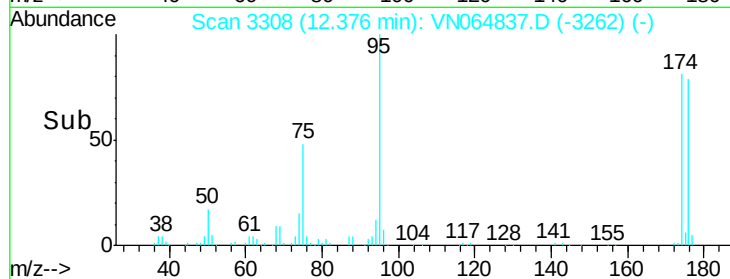
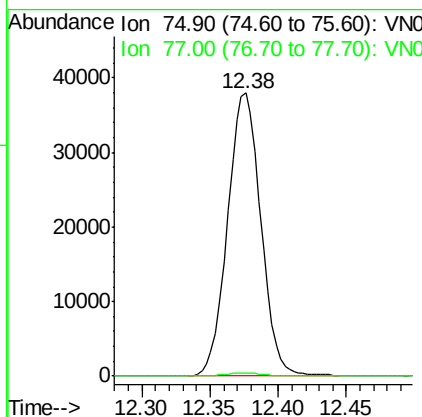
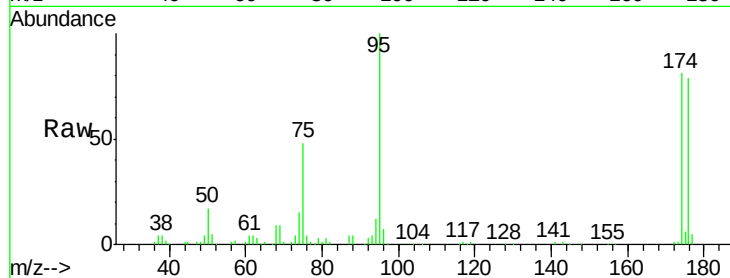




#76
 1,2,3-Trichloropropane
 Concen: 23.118 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064837.D
 Acq: 25 Nov 2020 2:42

Instrument :
 MSVOA_N
 ClientSampleId :
 91BR-20201118DL

Tot Ion: 75 Resp: 64222
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.360 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064837.D
 Acq: 25 Nov 2020 2:42

Tgt Ion: 75 Resp: 64222
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.4#
 89 0.0 39.6 59.4#

