

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063518.D
 Acq On : 22 Sep 2020 5:17
 Operator : JC/MD
 Sample : L4082-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200915

Quant Time: Sep 22 09:39:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	224238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	416457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	422681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	176290	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	184617	48.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.74%	
35) Dibromofluoromethane	7.55	113	135790	47.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.20%	
50) Toluene-d8	10.06	98	539199	49.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.38	95	211606	53.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.50%	

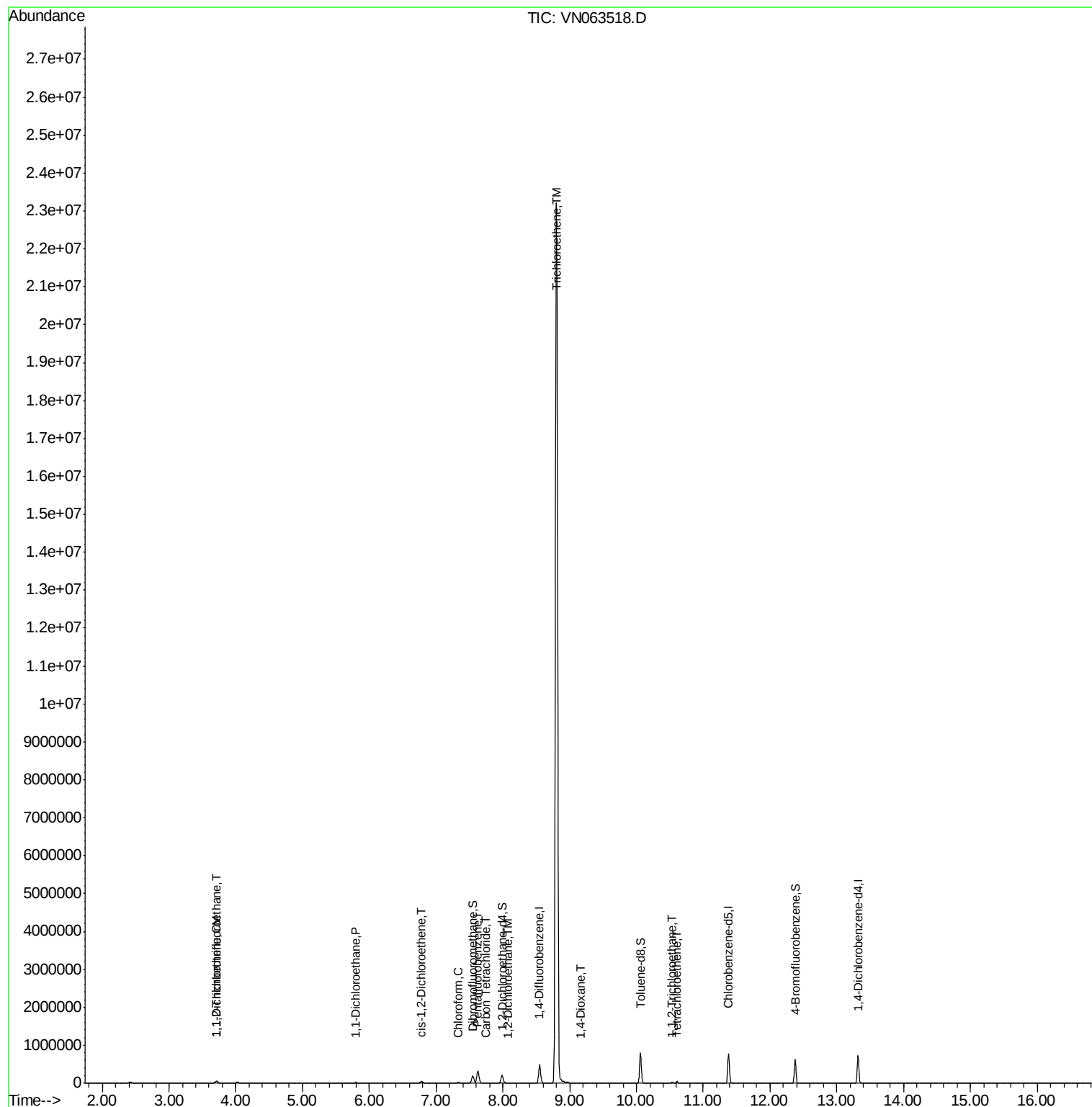
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	16050	6.424	ug/l	96
12) 1,1-Dichloroethene	3.70	96	13338	5.271	ug/l	94
24) 1,1-Dichloroethane	5.80	63	21041	3.775	ug/l	95
27) cis-1,2-Dichloroethene	6.79	96	21806	6.872	ug/l	86
30) Chloroform	7.33	83	15173	2.714	ug/l	96
38) Carbon Tetrachloride	7.74	117	6456	1.425	ug/l #	76
42) 1,2-Dichloroethane	8.09	62	2207	0.433	ug/l	86
44) Trichloroethene	8.80	130	7686568	2502.205	ug/l	94
49) 1,4-Dioxane	9.16	88	817	14.882	ug/l #	66
55) 1,1,2-Trichloroethane	10.53	97	4191	1.386	ug/l	93
64) Tetrachloroethene	10.60	164	9003	3.128	ug/l	94

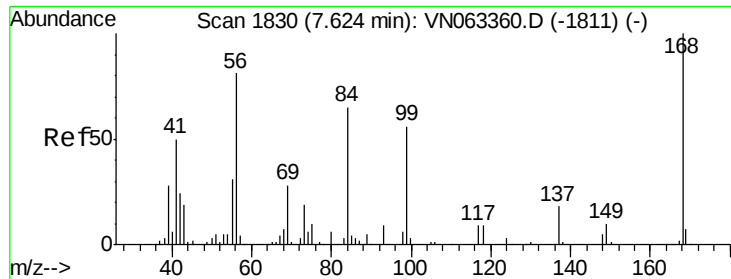
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
Data File : VN063518.D
Acq On : 22 Sep 2020 5:17
Operator : JC/MD
Sample : L4082-13
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200915

Quant Time: Sep 22 09:39:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 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: VN063518.D

Acq: 22 Sep 2020 5:17

Instrument :

MSVOA_N

ClientSampleId :

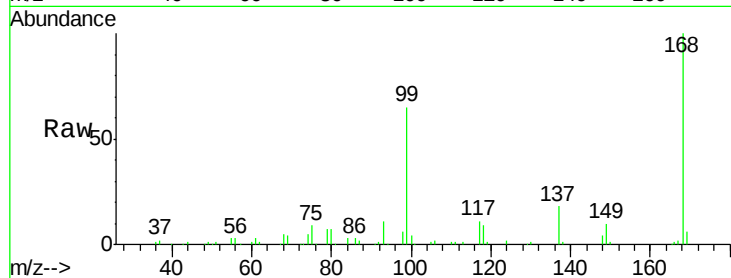
RE108D2-20200915

Tot Ion:168 Resp: 224238

Ion Ratio Lower Upper

168 100

99 64.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

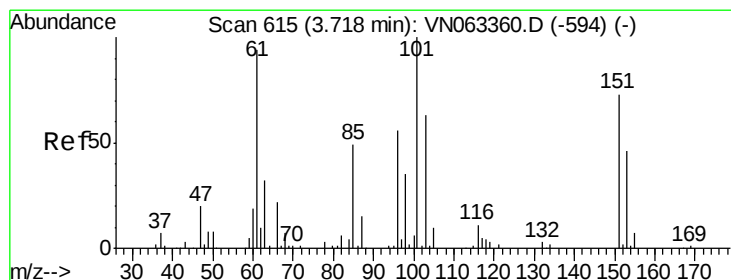
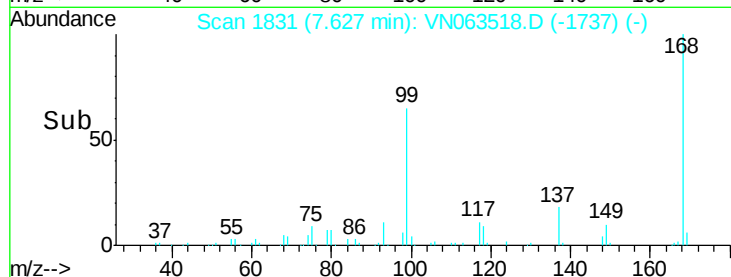
60000

40000

20000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.424 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063518.D

Acq: 22 Sep 2020 5:17

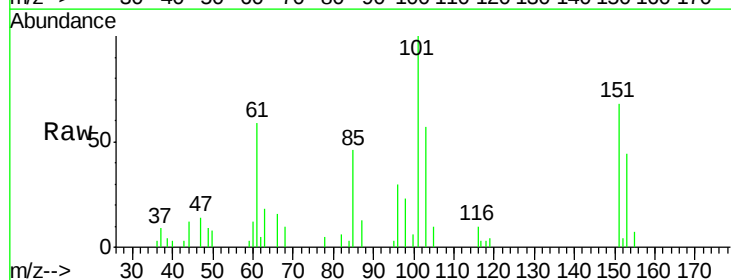
Tgt Ion:101 Resp: 16050

Ion Ratio Lower Upper

101 100

85 44.5 37.7 56.5

151 68.3 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

3.72

8000

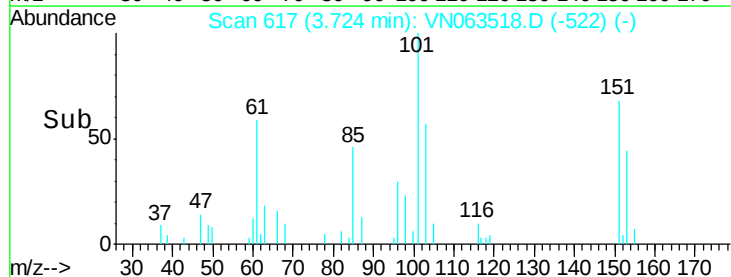
6000

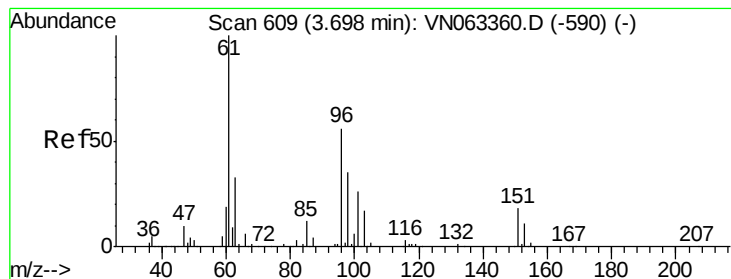
4000

2000

0

Time-->





#12

1,1-Dichloroethene

Concen: 5.271 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN063518.D

Acq: 22 Sep 2020 5:17

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20200915

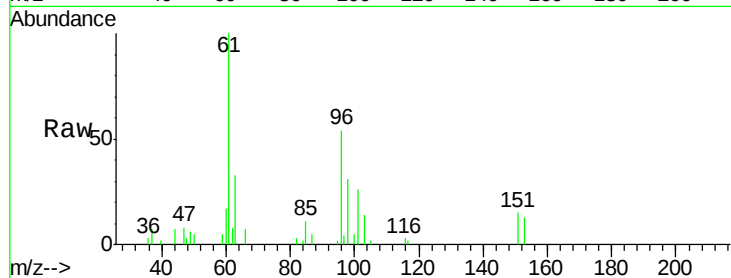
Tot Ion: 96 Resp: 13338

Ion Ratio Lower Upper

96 100

61 186.9 143.4 215.2

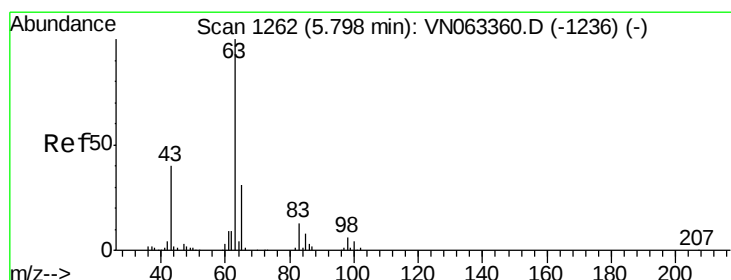
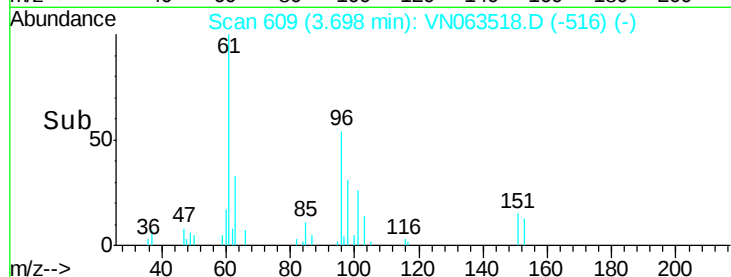
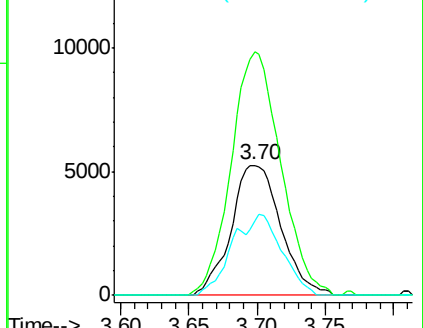
98 57.7 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN063518.D (-516) (-)

Ion 60.90 (60.60 to 61.60): VN063518.D (-516) (-)

Ion 97.90 (97.60 to 98.60): VN063518.D (-516) (-)



#24

1,1-Dichloroethane

Concen: 3.775 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063518.D

Acq: 22 Sep 2020 5:17

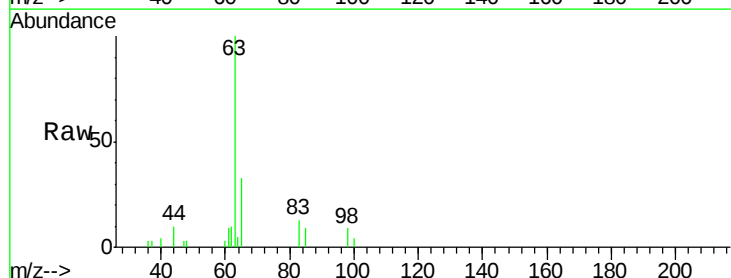
Tgt Ion: 63 Resp: 21041

Ion Ratio Lower Upper

63 100

98 8.8 2.9 8.8

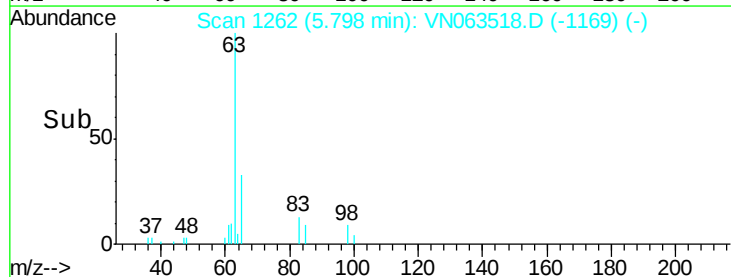
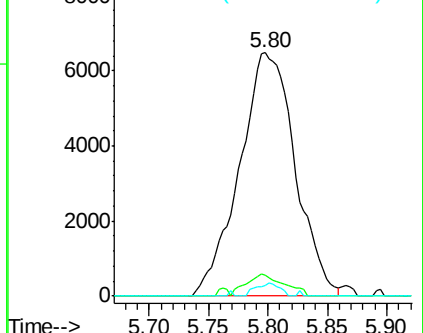
100 4.5 2.1 6.3

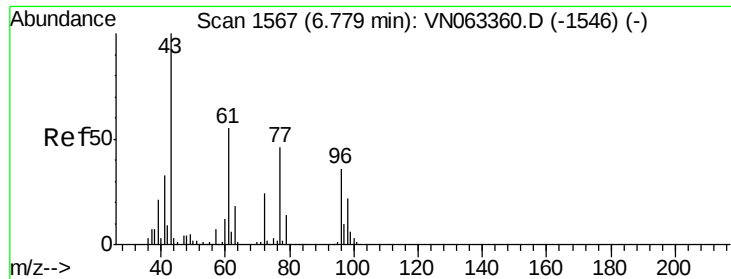


Abundance Ion 62.90 (62.60 to 63.60): VN063518.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN063518.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN063518.D (-1169) (-)

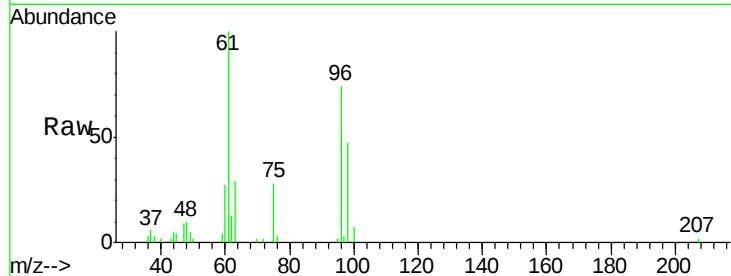




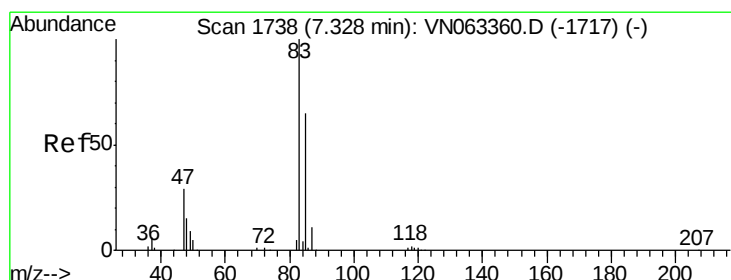
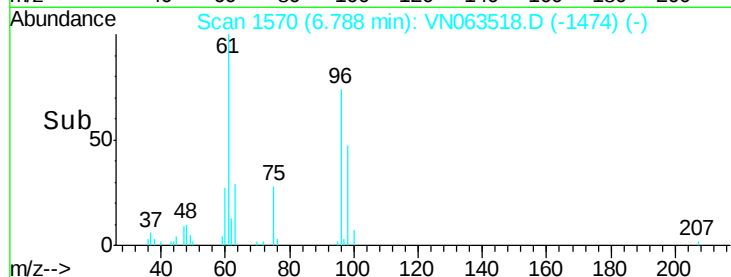
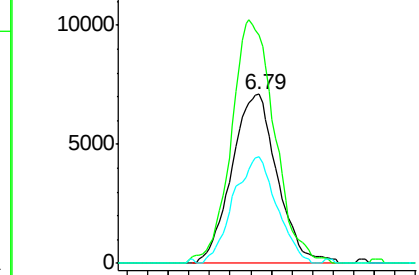
#27
 cis-1,2-Dichloroethene
 Concen: 6.872 ug/l
 RT: 6.79 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN063518.D
 Acq: 22 Sep 2020 5:17

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200915

Tot Ion: 96 Resp: 21806
 Ion Ratio Lower Upper
 96 100
 61 136.3 0.0 319.6
 98 60.0 0.0 127.8

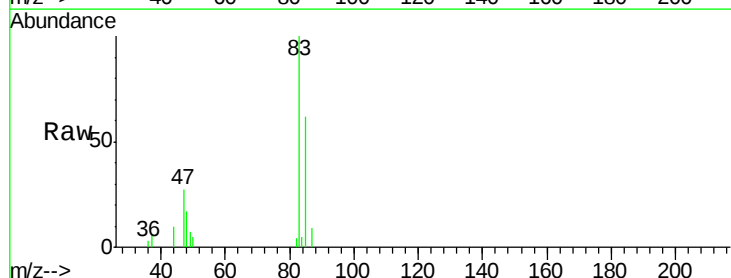


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

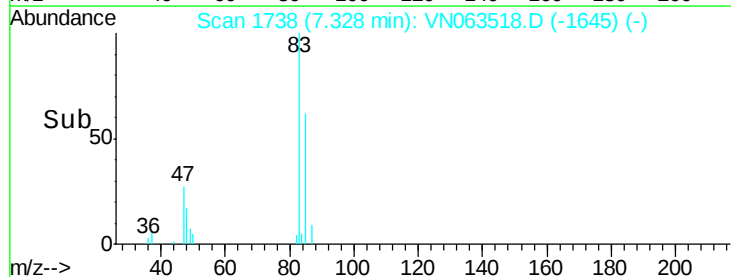
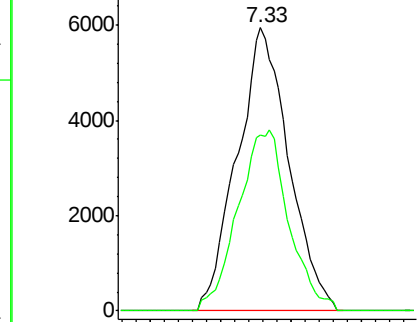


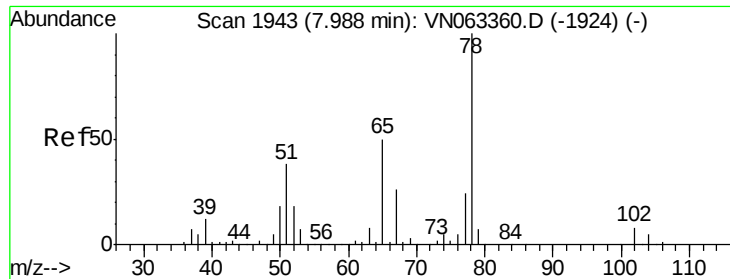
#30
 Chloroform
 Concen: 2.714 ug/l
 RT: 7.33 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: VN063518.D
 Acq: 22 Sep 2020 5:17

Tgt Ion: 83 Resp: 15173
 Ion Ratio Lower Upper
 83 100
 85 62.2 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.365 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063518.D

Acq: 22 Sep 2020 5:17

Instrument :

MSVOA_N

ClientSampleId :

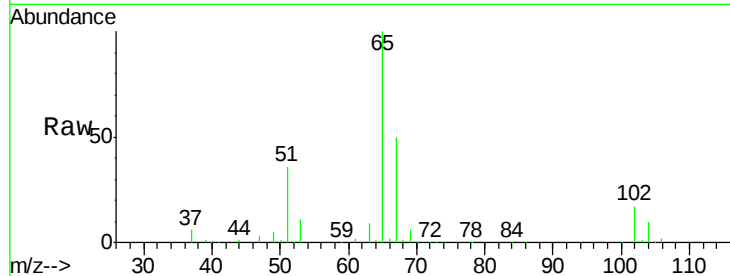
RE108D2-20200915

Tot Ion: 65 Resp: 184617

Ion Ratio Lower Upper

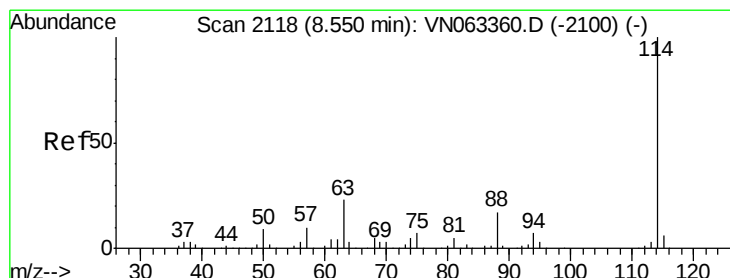
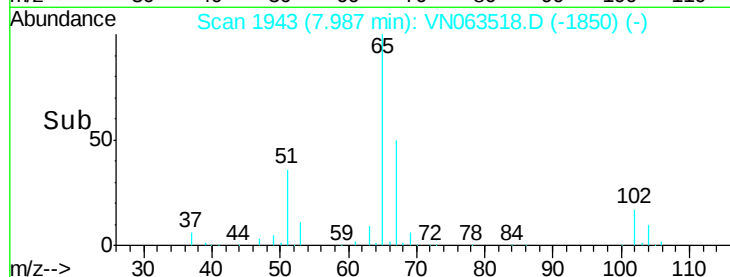
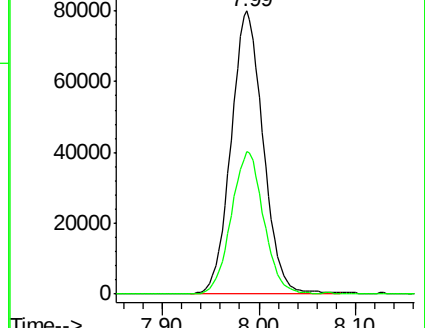
65 100

67 50.8 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN063518.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063518.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063518.D

Acq: 22 Sep 2020 5:17

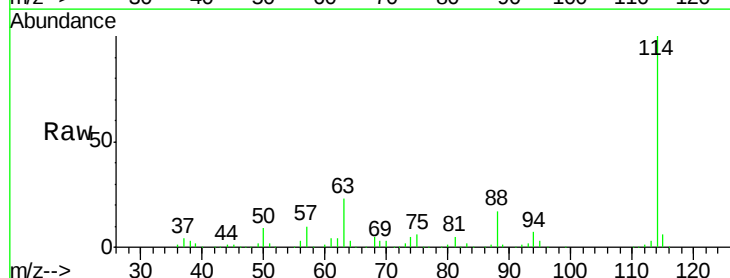
Tgt Ion: 114 Resp: 416457

Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.4

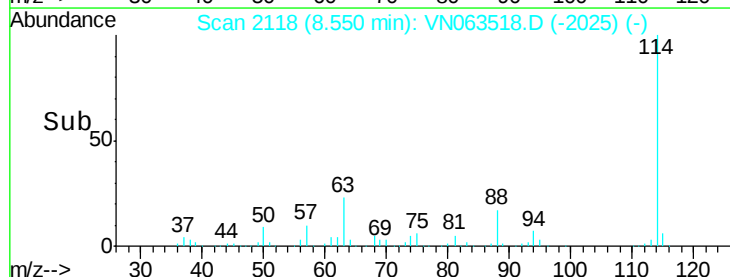
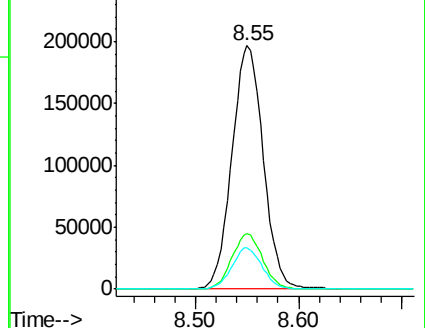
88 17.0 0.0 33.2

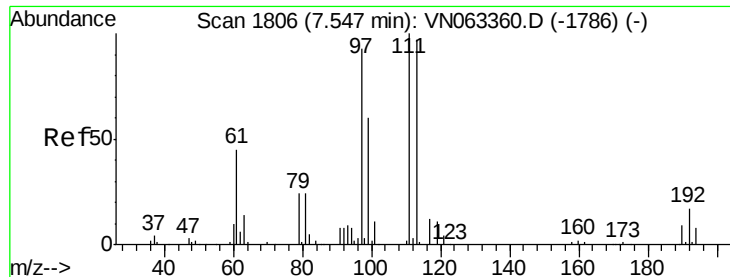


Abundance Ion 113.90 (113.60 to 114.60): VN063518.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN063518.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN063518.D (-2025) (-)

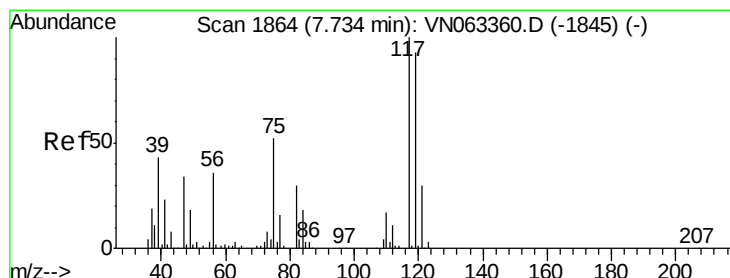
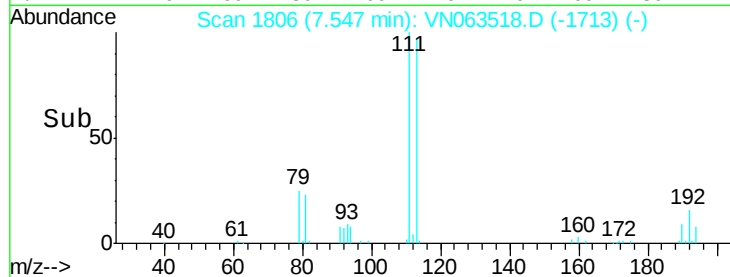
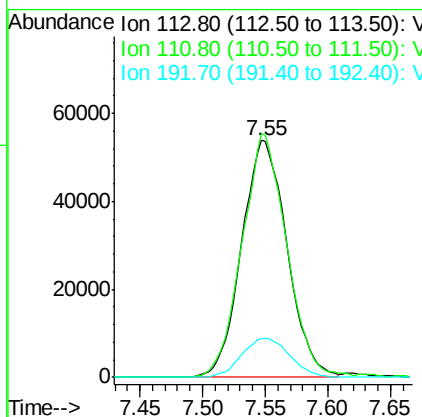
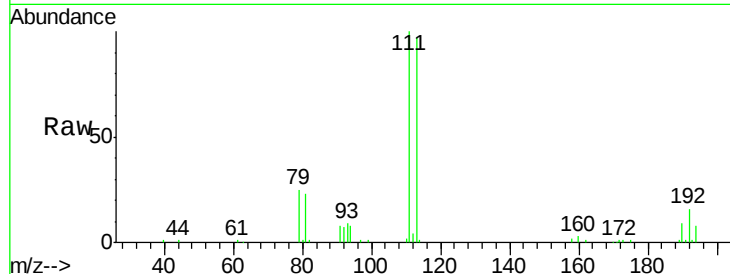




#35
 Dibromofluoromethane
 Concen: 47.099 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063518.D
 Acq: 22 Sep 2020 5:17

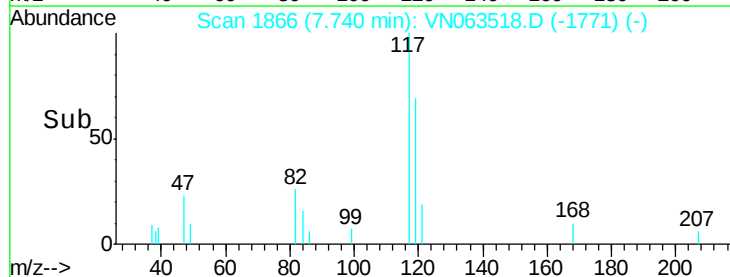
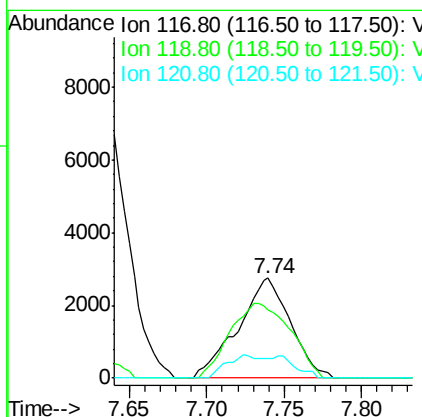
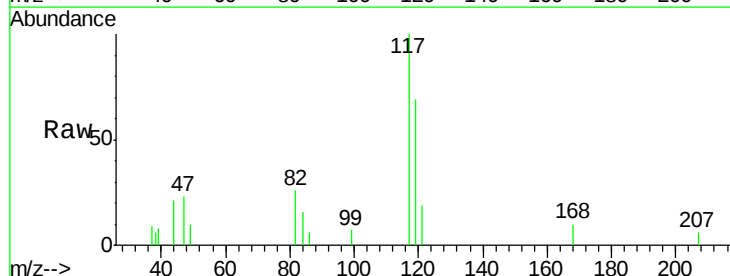
Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200915

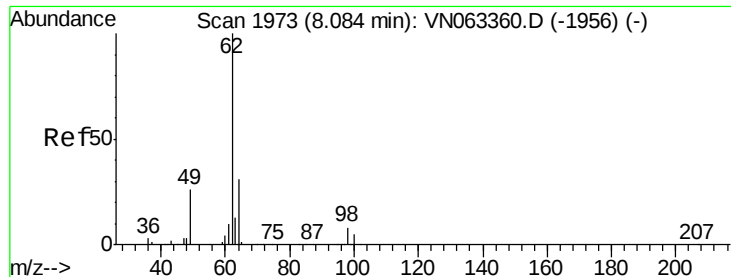
Tot Ion:113 Resp: 135790
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.9 124.3
 192 17.5 13.9 20.9



#38
 Carbon Tetrachloride
 Concen: 1.425 ug/l
 RT: 7.74 min Scan# 1866
 Delta R.T. 0.01 min
 Lab File: VN063518.D
 Acq: 22 Sep 2020 5:17

Tgt Ion:117 Resp: 6456
 Ion Ratio Lower Upper
 117 100
 119 68.8 74.5 111.7#
 121 19.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.433 ug/l

RT: 8.09 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VN063518.D

Acq: 22 Sep 2020 5:17

Instrument :

MSVOA_N

ClientSampleId :

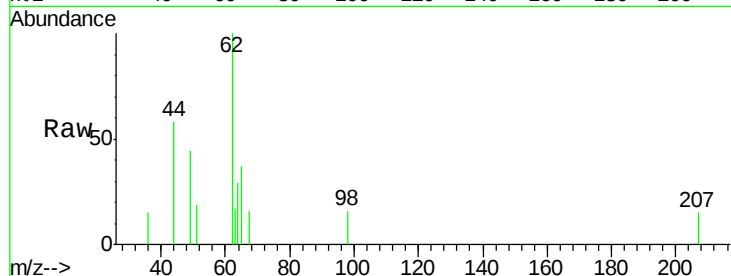
RE108D2-20200915

Tot Ion: 62 Resp: 2207

Ion Ratio Lower Upper

62 100

98 3.0 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

8.09

1200

1000

800

600

400

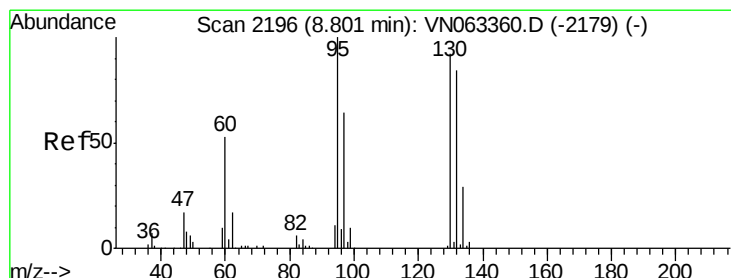
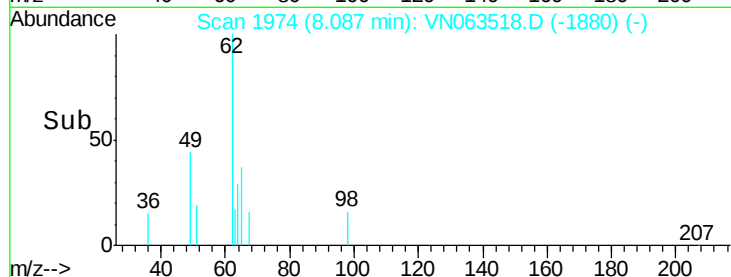
200

0

8.05

8.10

Time-->



#44

Trichloroethene

Concen: 2502.205 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063518.D

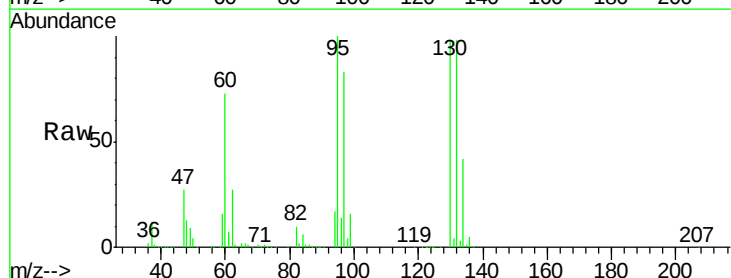
Acq: 22 Sep 2020 5:17

Tgt Ion:130 Resp: 7686568

Ion Ratio Lower Upper

130 100

95 102.0 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.80

3000000

2000000

1000000

0

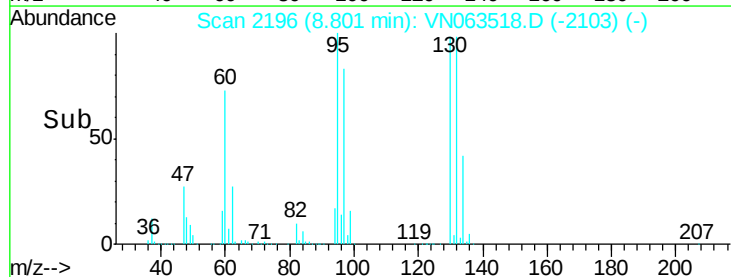
8.70

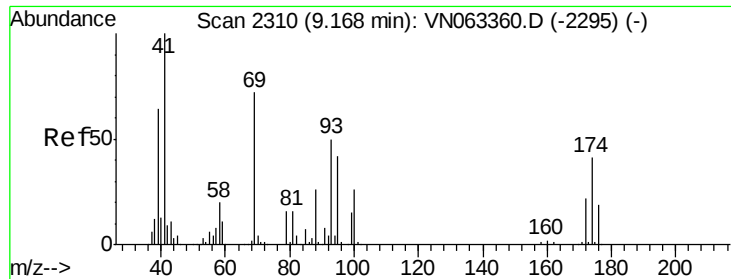
8.80

8.90

9.00

Time-->

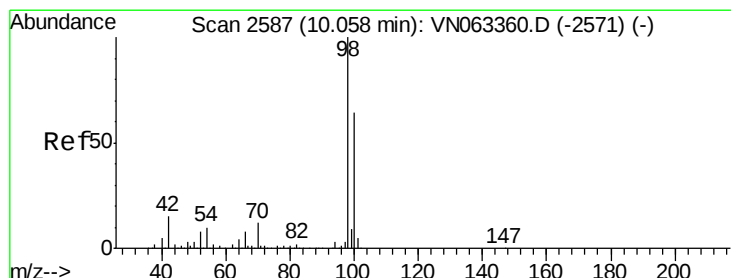
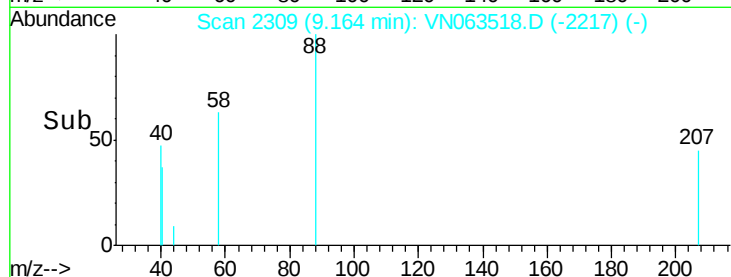
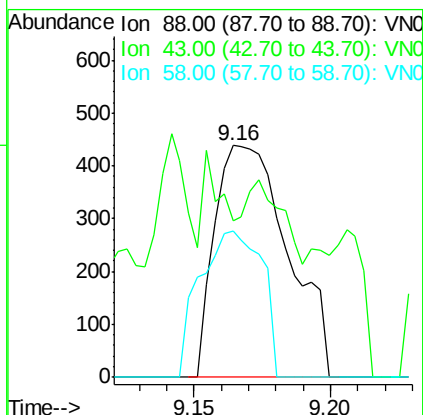
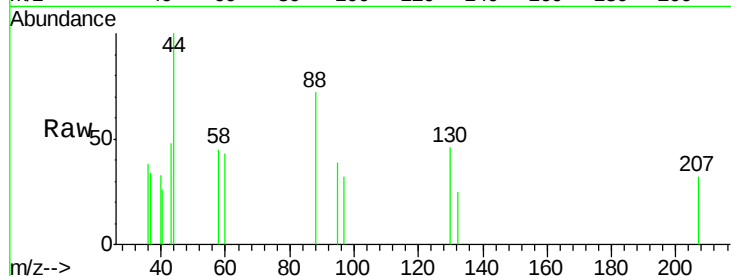




#49
1,4-Dioxane
Concen: 14.882 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063518.D
Acq: 22 Sep 2020 5:17

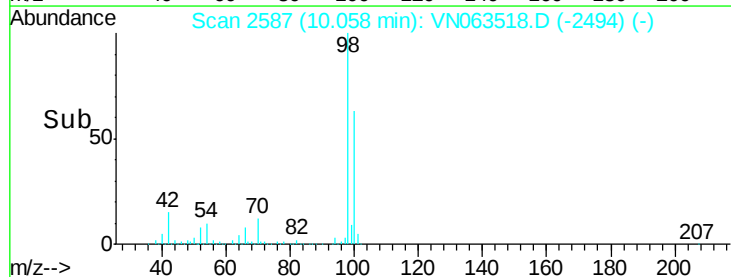
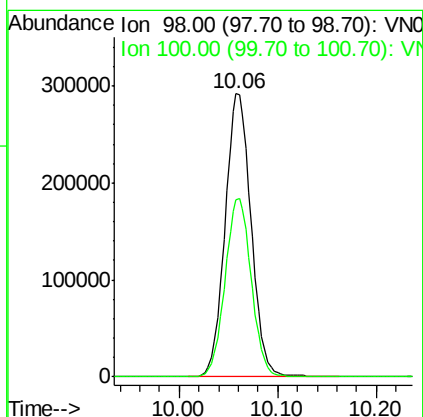
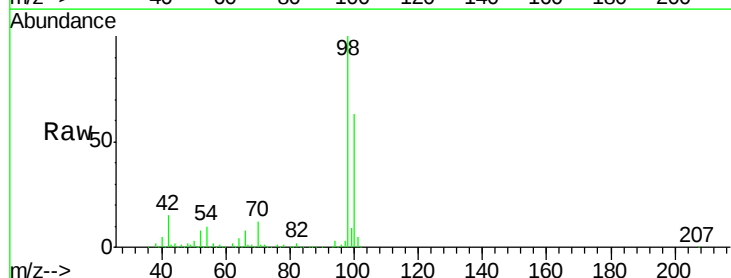
Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200915

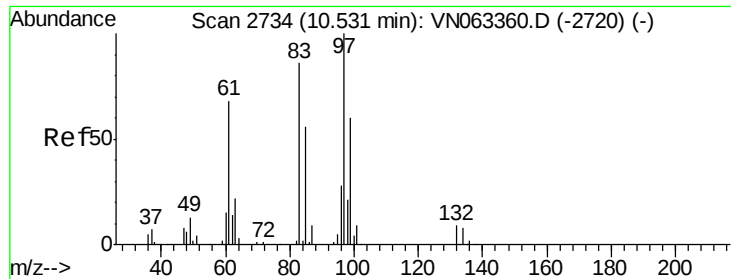
Tot Ion: 88 Resp: 817
Ion Ratio Lower Upper
88 100
43 9.9 32.6 49.0#
58 53.4 60.0 90.0#



#50
Toluene-d8
Concen: 49.738 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063518.D
Acq: 22 Sep 2020 5:17

Tgt Ion: 98 Resp: 539199
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1





#55

1,1,2-Trichloroethane

Concen: 1.386 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN063518.D

Acq: 22 Sep 2020 5:17

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20200915

Tot Ion: 97 Resp: 4191

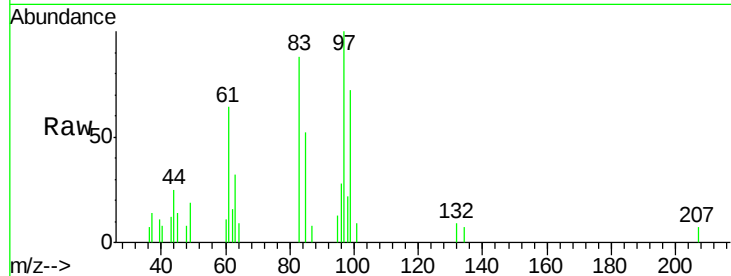
Ion Ratio Lower Upper

97 100

83 88.3 68.9 103.3

85 52.4 44.8 67.2

99 71.6 47.8 71.8

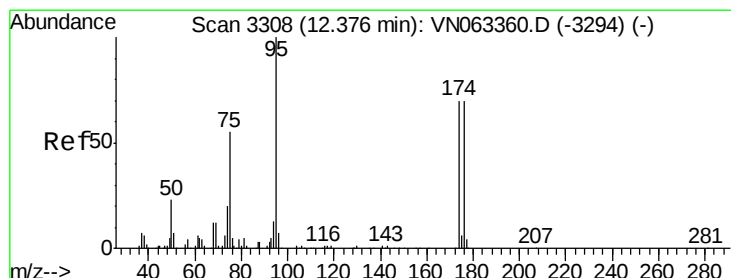
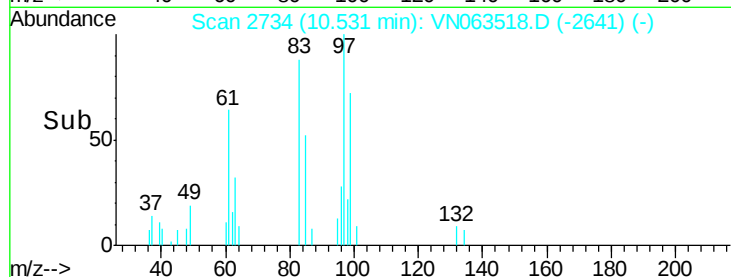
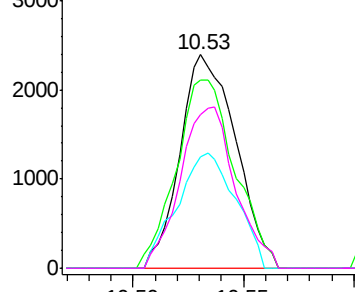


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 53.247 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063518.D

Acq: 22 Sep 2020 5:17

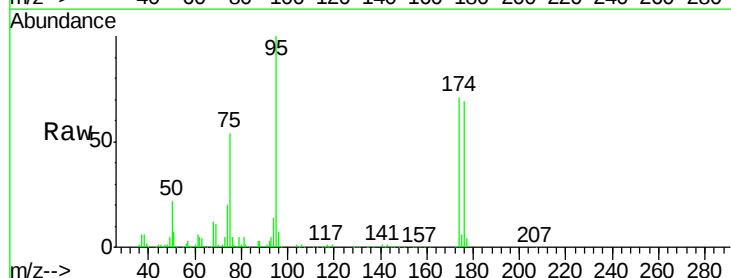
Tgt Ion: 95 Resp: 211606

Ion Ratio Lower Upper

95 100

174 72.2 0.0 140.8

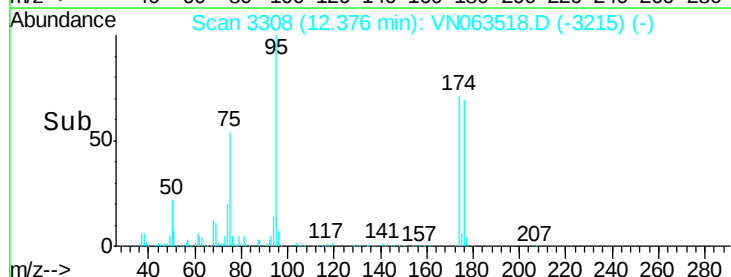
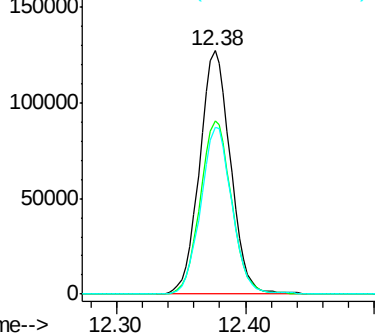
176 69.4 0.0 137.6

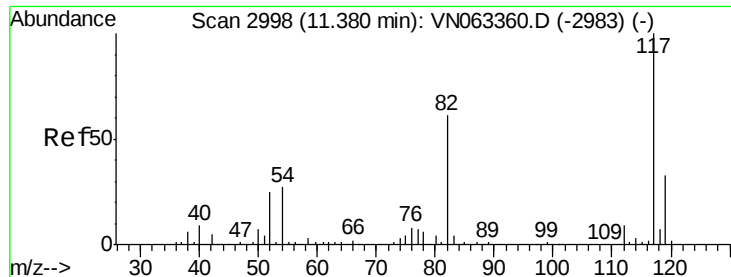


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

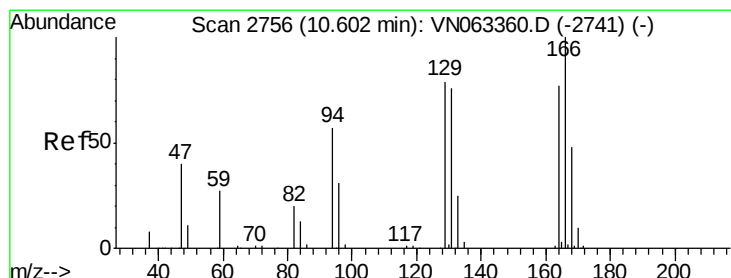
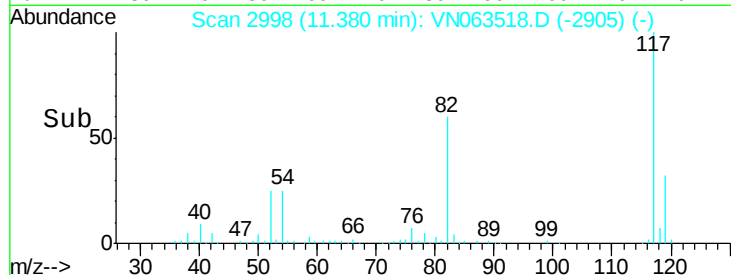
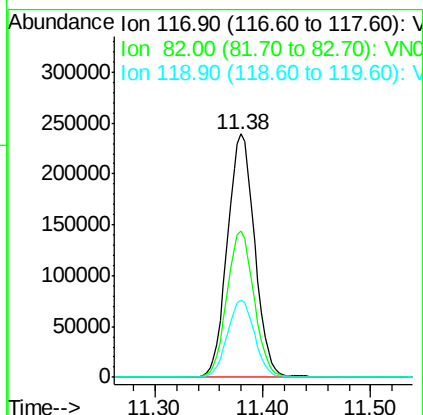
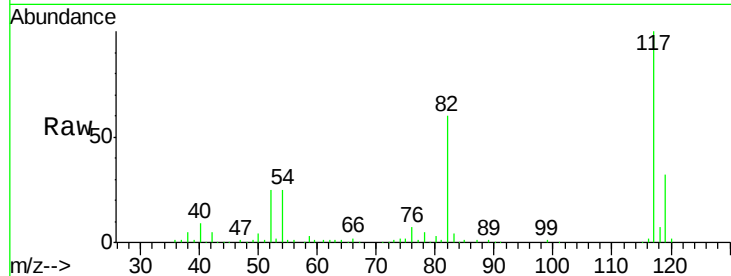




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063518.D
Acq: 22 Sep 2020 5:17

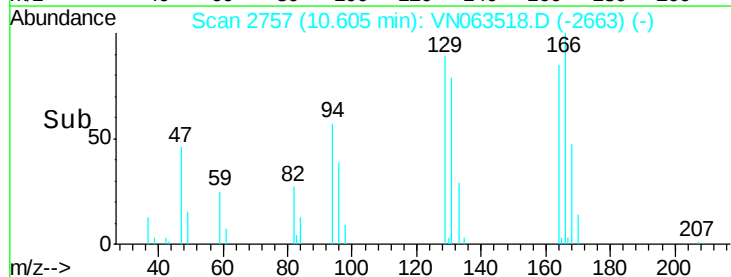
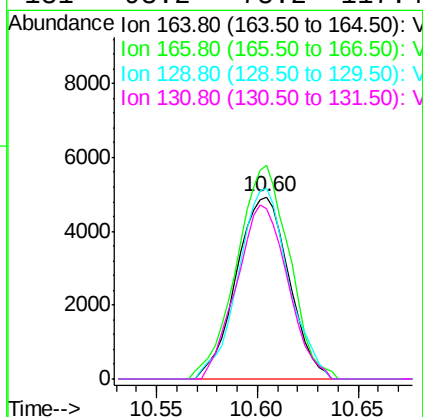
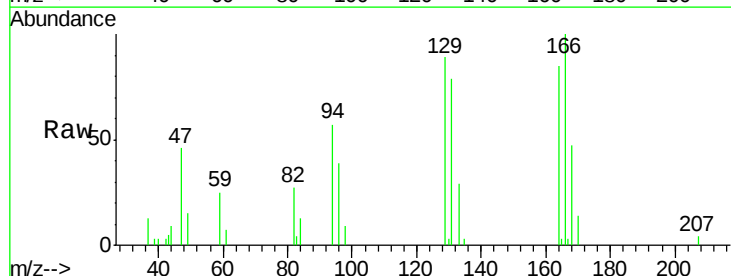
Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200915

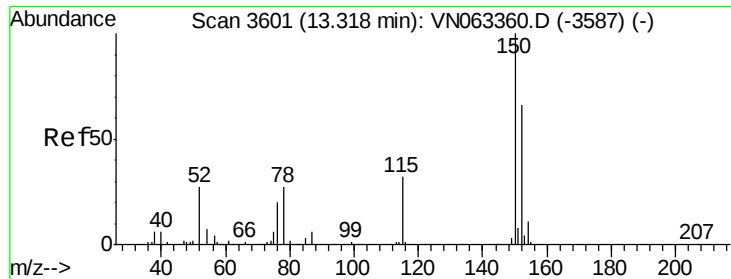
Tot Ion:117 Resp: 422681
Ion Ratio Lower Upper
117 100
82 59.9 49.2 73.8
119 31.9 26.2 39.4



#64
Tetrachloroethene
Concen: 3.128 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063518.D
Acq: 22 Sep 2020 5:17

Tgt Ion:164 Resp: 9003
Ion Ratio Lower Upper
164 100
166 117.2 103.4 155.0
129 104.5 81.8 122.6
131 93.2 78.2 117.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063518.D

Acq: 22 Sep 2020 5:17

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20200915

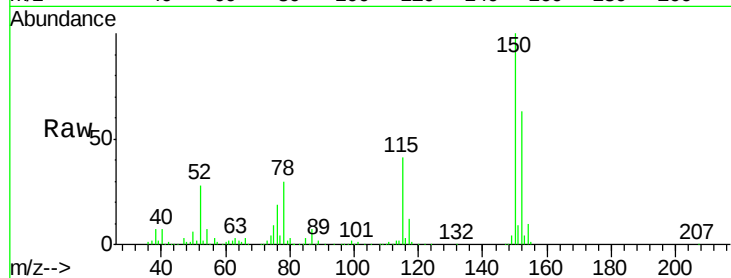
Tot Ion:152 Resp: 176290

Ion Ratio Lower Upper

152 100

115 65.5 32.2 96.6

150 158.5 0.0 343.4



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

