

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062520\
 Data File : VN062124.D
 Acq On : 25 Jun 2020 20:30
 Operator : JC/MD
 Sample : L3043-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D1-20200615

Quant Time: Jun 26 04:16:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	241525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	440150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	426275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	159362	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	157146	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
35) Dibromofluoromethane	7.55	113	139154	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
50) Toluene-d8	10.06	98	547122	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.38	95	185857	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	

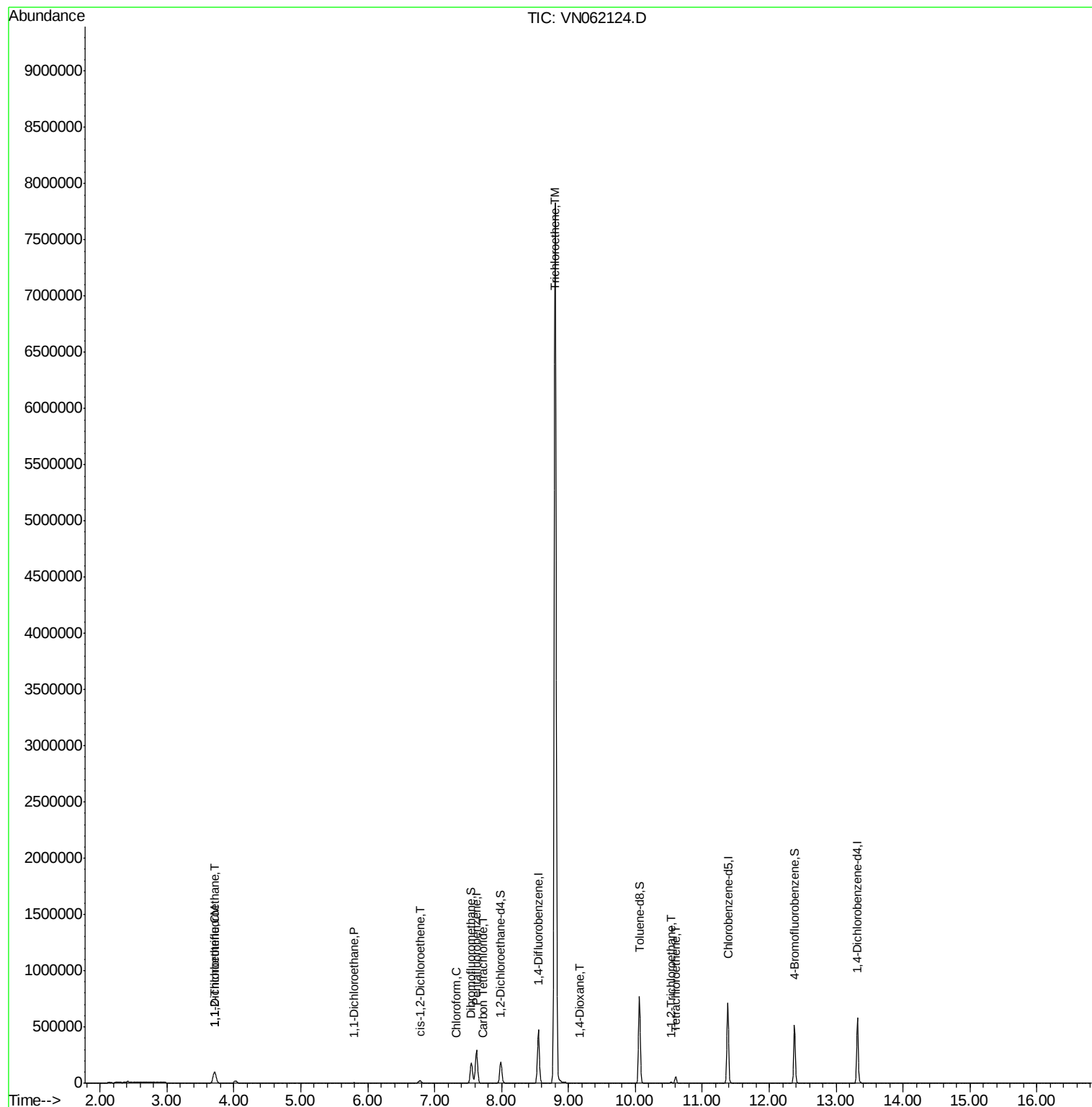
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49188	17.731	ug/l	98
12) 1,1-Dichloroethene	3.70	96	23725	8.555	ug/l	89
24) 1,1-Dichloroethane	5.80	63	7318	1.322	ug/l #	88
27) cis-1,2-Dichloroethene	6.78	96	10578	2.975	ug/l	90
30) Chloroform	7.33	83	3250	0.577	ug/l	94
38) Carbon Tetrachloride	7.73	117	1812	0.434	ug/l #	92
44) Trichloroethene	8.80	130	2867469	842.988	ug/l	99
49) 1,4-Dioxane	9.17	88	1564	26.338	ug/l	92
55) 1,1,2-Trichloroethane	10.54	97	2459	0.760	ug/l	91
64) Tetrachloroethene	10.60	164	13538	4.649	ug/l	99

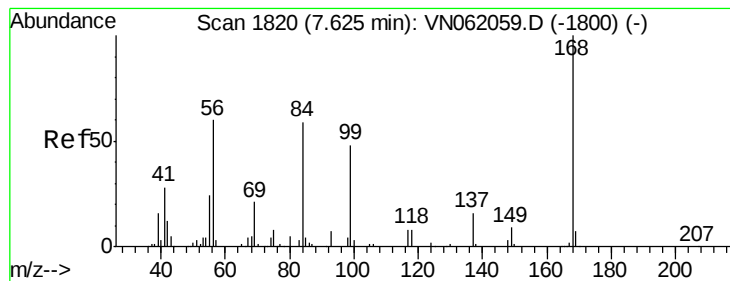
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062124.D

Acq: 25 Jun 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

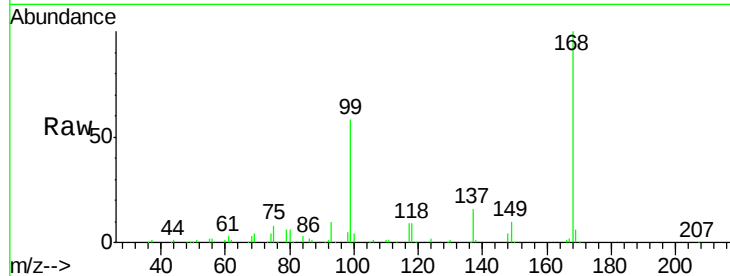
RE120D1-20200615

Tot Ion:168 Resp: 241525

Ion Ratio Lower Upper

168 100

99 57.5 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

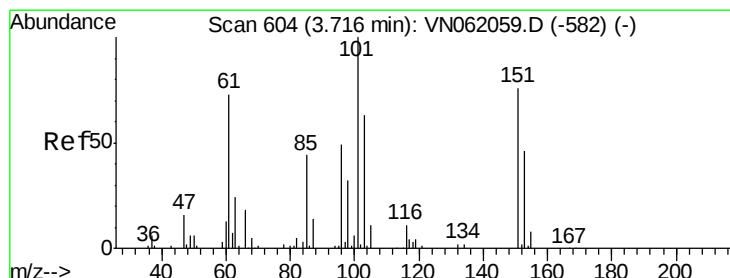
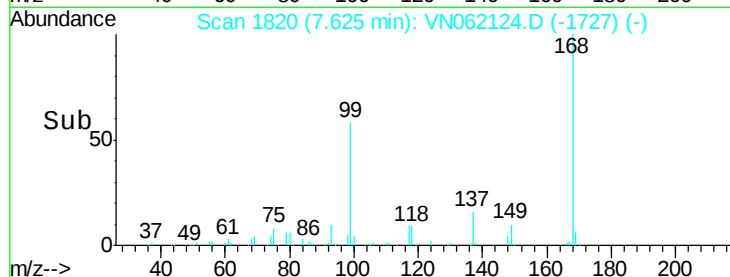
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.731 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062124.D

Acq: 25 Jun 2020 20:30

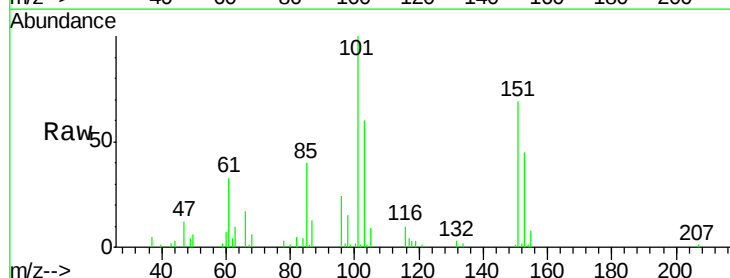
Tgt Ion:101 Resp: 49188

Ion Ratio Lower Upper

101 100

85 43.7 34.5 51.7

151 74.3 57.8 86.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V

3.72

20000

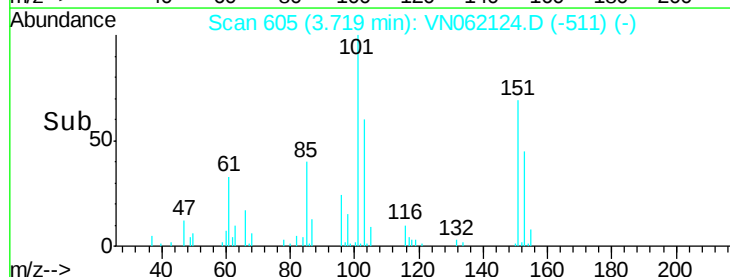
15000

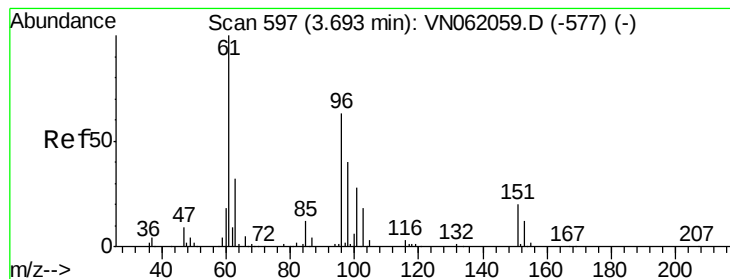
10000

5000

0

Time--> 3.60 3.65 3.70 3.75 3.80





#12

1,1-Dichloroethene

Concen: 8.555 ug/l

RT: 3.70 min Scan# 599

Delta R.T. 0.01 min

Lab File: VN062124.D

Acq: 25 Jun 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20200615

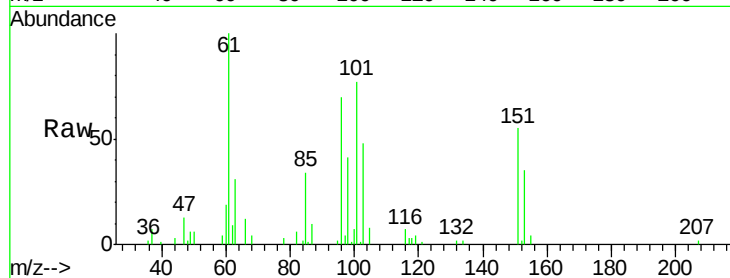
Tot Ion: 96 Resp: 23725

Ion Ratio Lower Upper

96 100

61 142.5 126.7 190.1

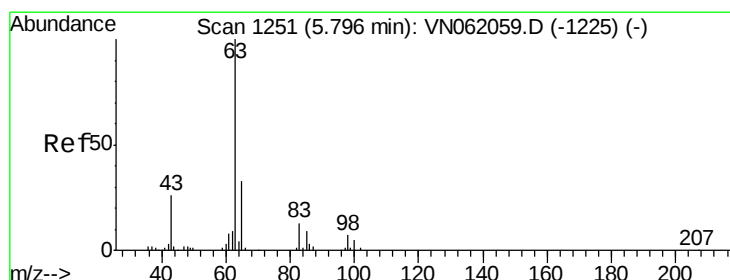
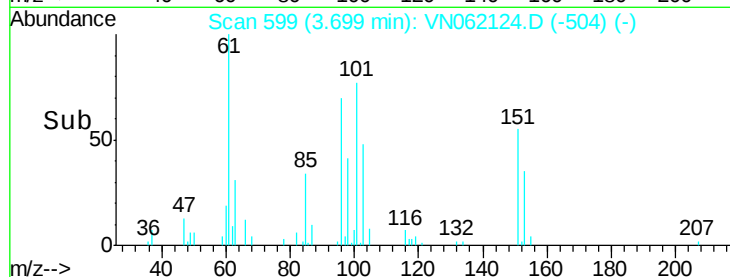
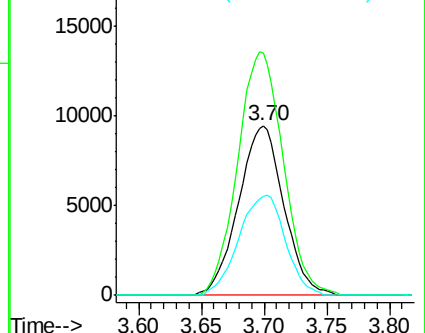
98 58.1 51.0 76.4



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



#24

1,1-Dichloroethane

Concen: 1.322 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062124.D

Acq: 25 Jun 2020 20:30

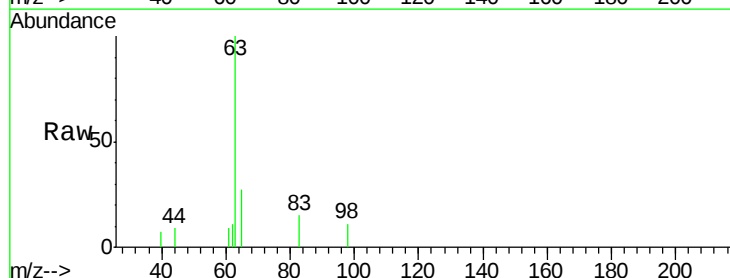
Tgt Ion: 63 Resp: 7318

Ion Ratio Lower Upper

63 100

98 11.2 3.6 10.9#

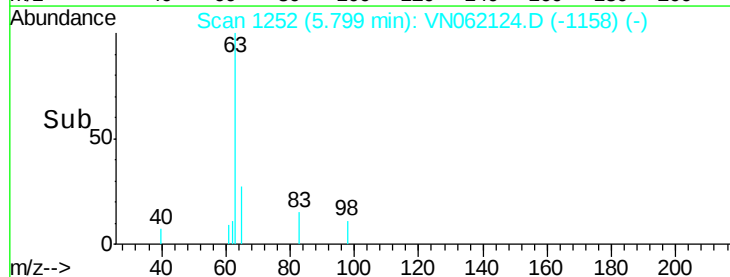
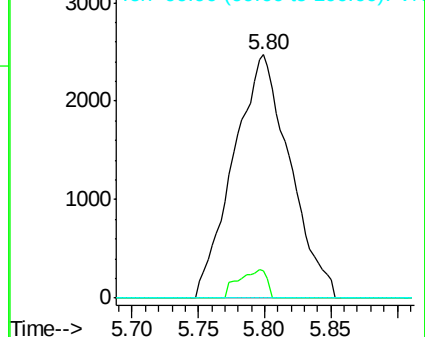
100 0.0 2.4 7.1#

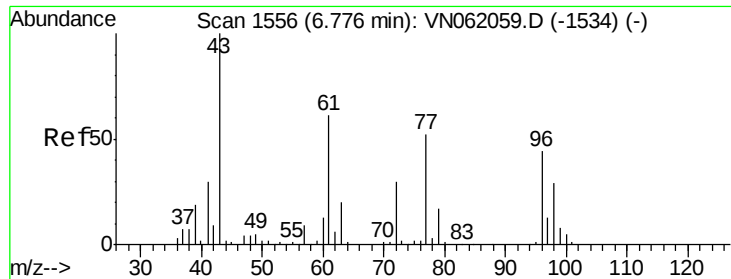


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 2.975 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.01 min

Lab File: VN062124.D

Acq: 25 Jun 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20200615

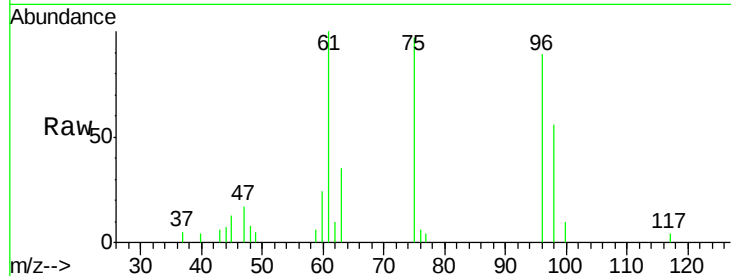
Tot Ion: 96 Resp: 10578

Ion Ratio Lower Upper

96 100

61 123.5 0.0 280.4

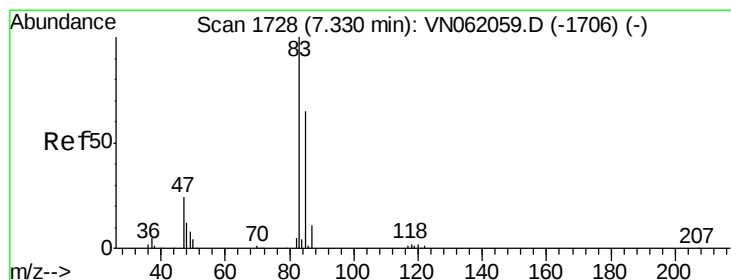
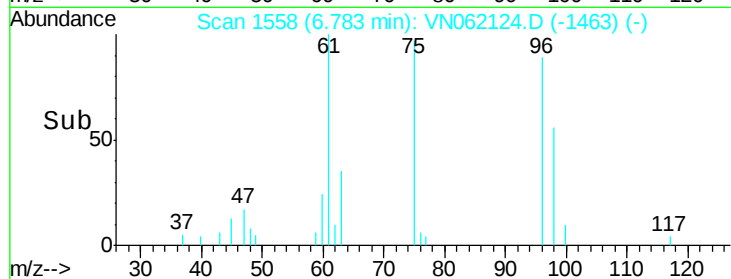
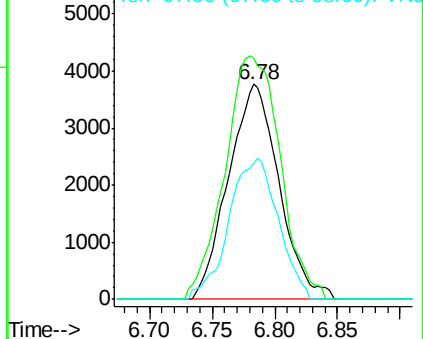
98 63.9 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062124.D (-1463) (-)

Ion 60.90 (60.60 to 61.60): VN062124.D (-1463) (-)

Ion 97.90 (97.60 to 98.60): VN062124.D (-1463) (-)



#30

Chloroform

Concen: 0.577 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN062124.D

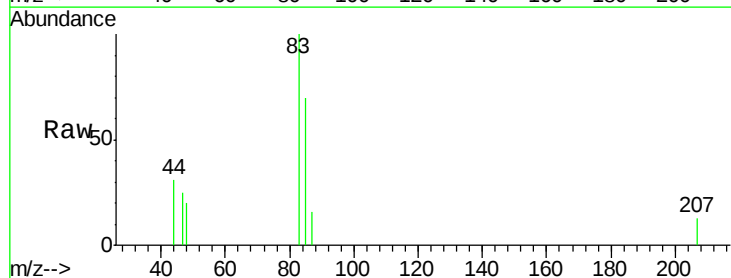
Acq: 25 Jun 2020 20:30

Tgt Ion: 83 Resp: 3250

Ion Ratio Lower Upper

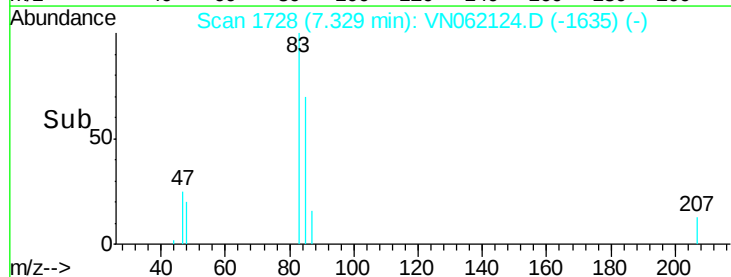
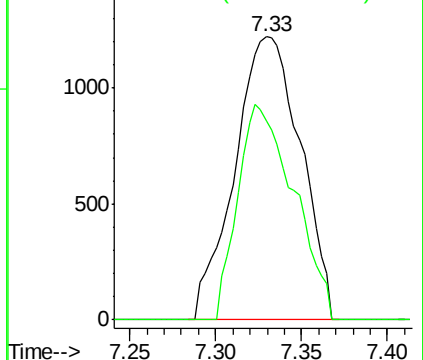
83 100

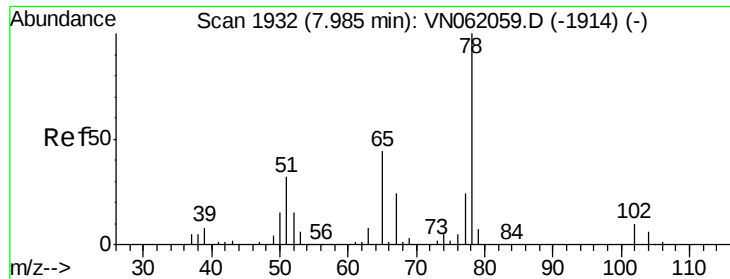
85 70.2 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VN062124.D (-1635) (-)

Ion 84.90 (84.60 to 85.60): VN062124.D (-1635) (-)

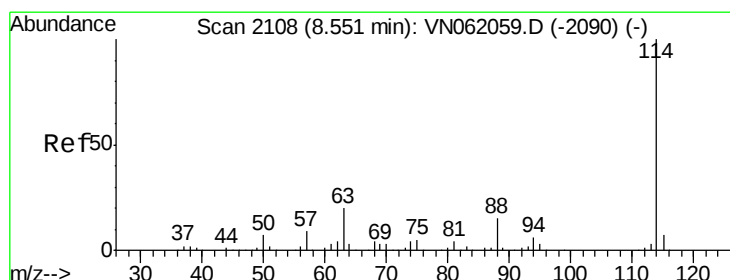
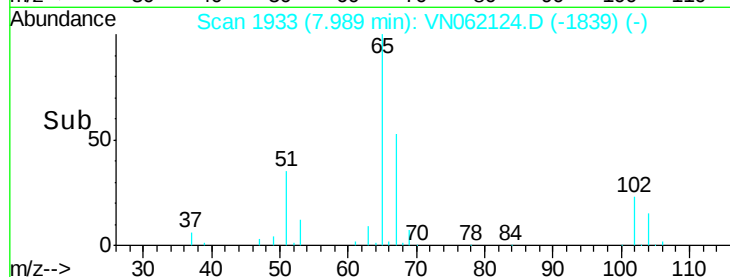
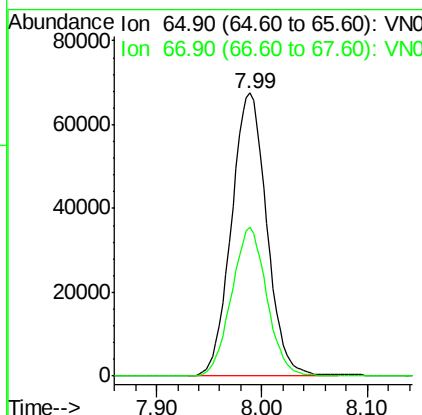
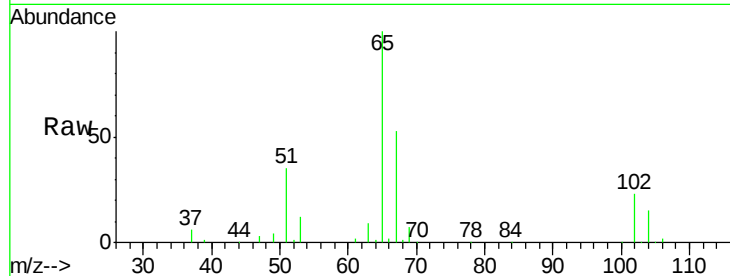




#33
 1,2-Dichloroethane-d4
 Concen: 46.364 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062124.D
 Acq: 25 Jun 2020 20:30

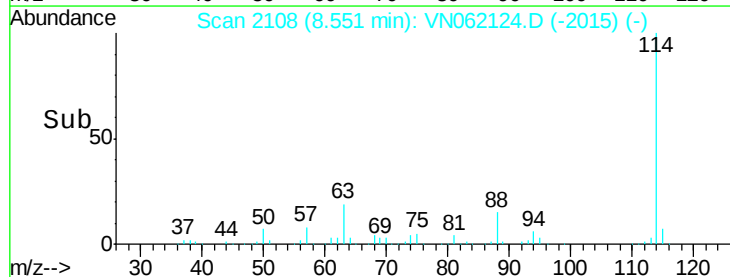
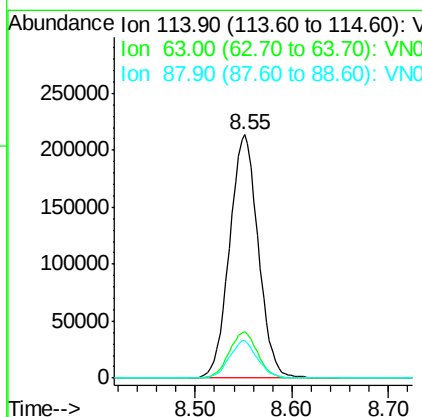
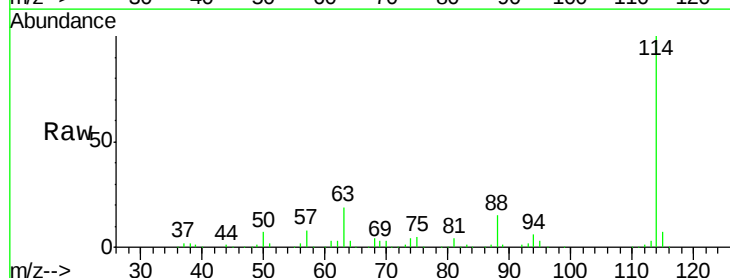
Instrument :
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 RE120D1-20200615

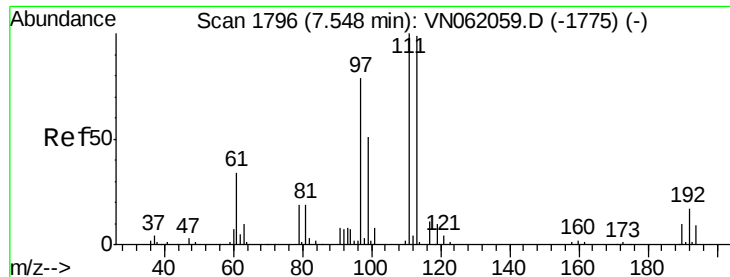
Tot Ion: 65 Resp: 157146
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062124.D
 Acq: 25 Jun 2020 20:30

Tgt Ion: 114 Resp: 440150
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.3 0.0 30.8

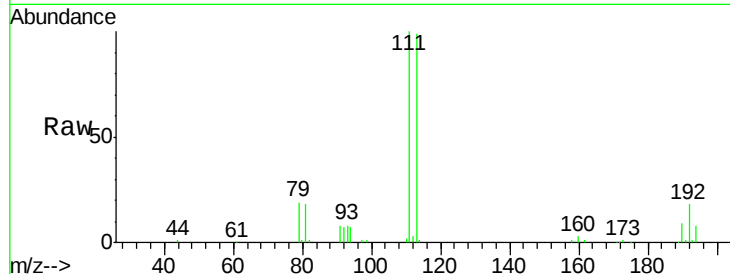




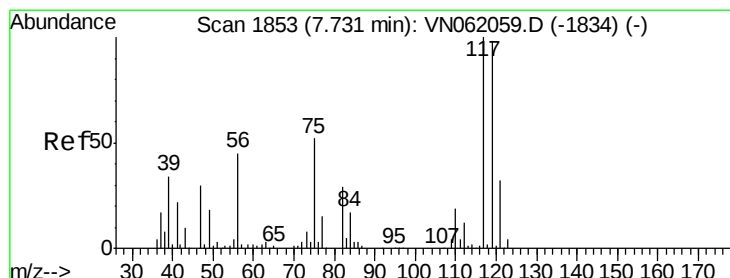
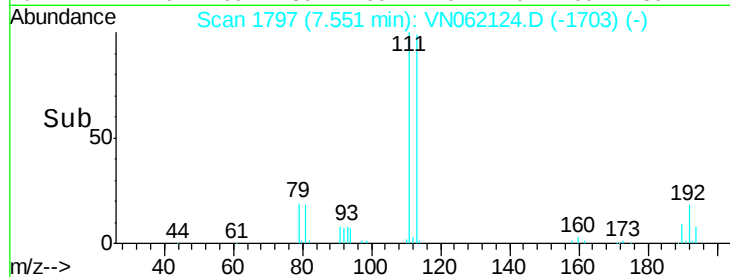
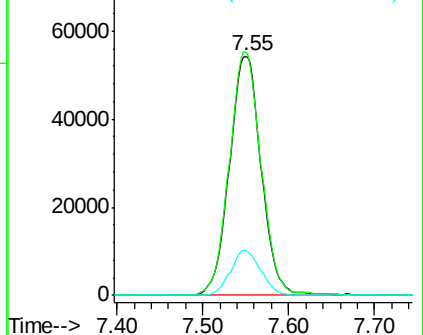
#35
Dibromofluoromethane
Concen: 49.279 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062124.D
Acq: 25 Jun 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20200615

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.4
192	18.0	14.0	21.0

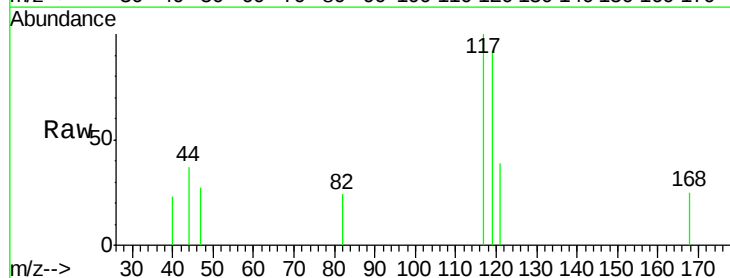


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

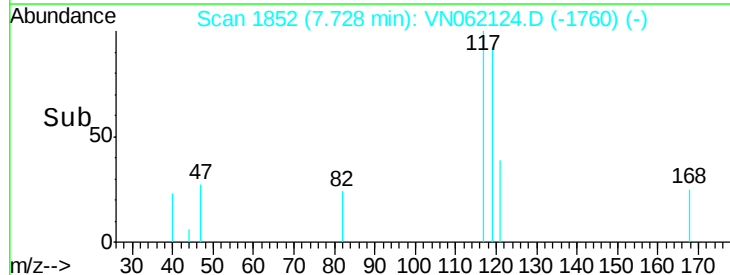
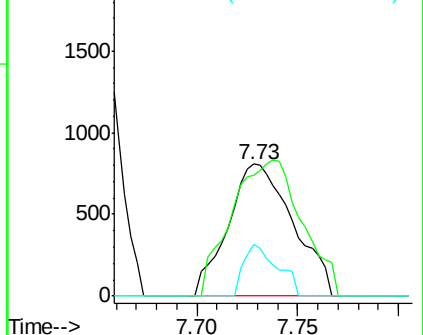


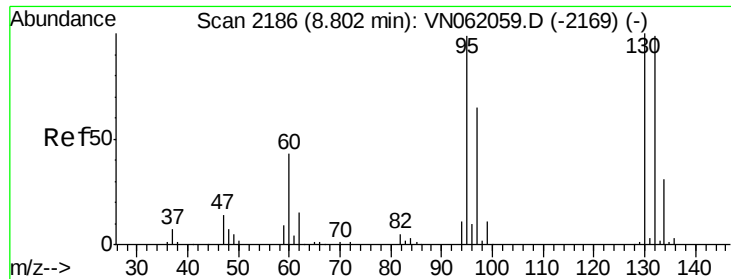
#38
Carbon Tetrachloride
Concen: 0.434 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN062124.D
Acq: 25 Jun 2020 20:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	78.2	117.2
121	39.1	25.8	38.6#



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

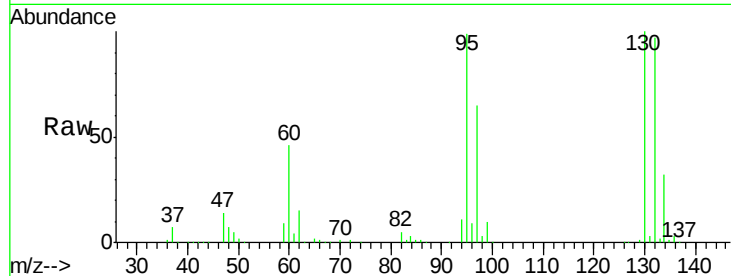




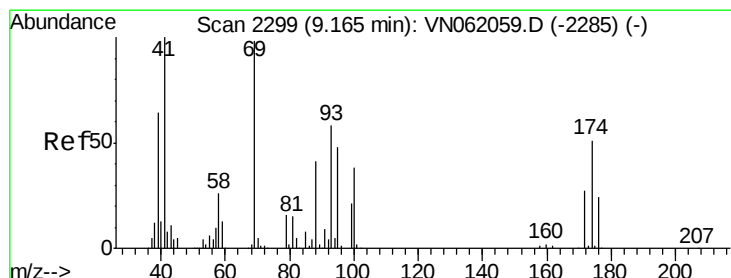
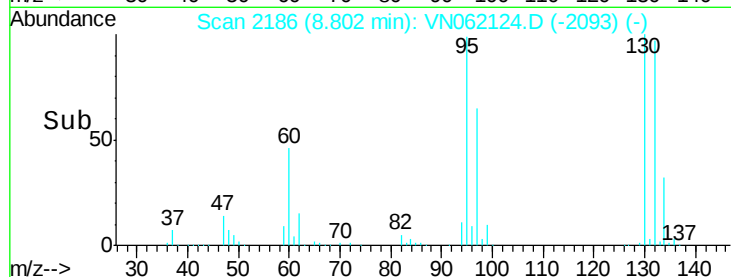
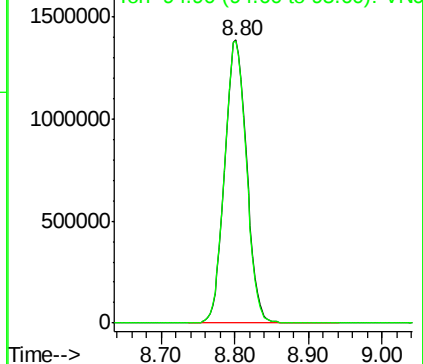
#44
 Trichloroethene
 Concen: 842.988 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN062124.D
 Acq: 25 Jun 2020 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D1-20200615

Tot Ion:130 Resp: 2867469
 Ion Ratio Lower Upper
 130 100
 95 99.5 0.0 197.8

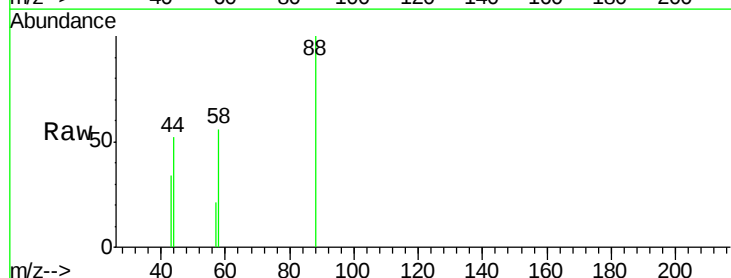


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN

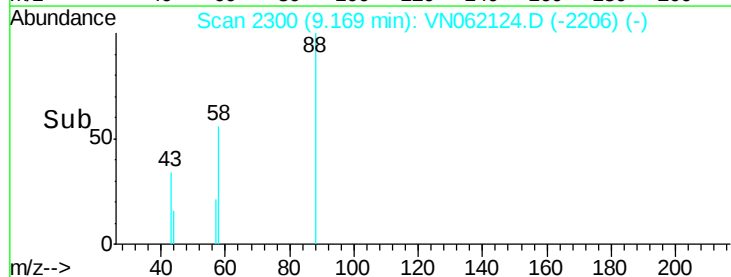
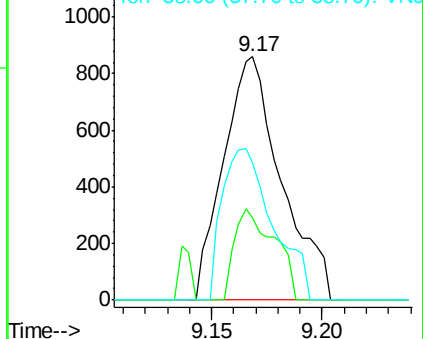


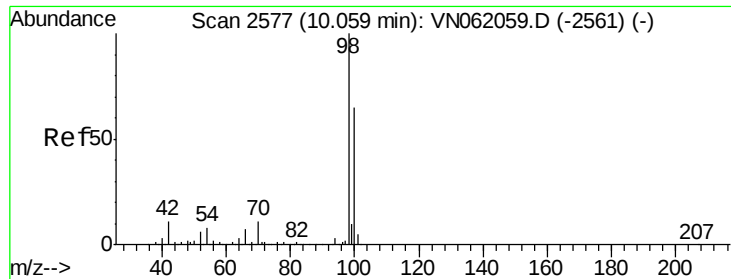
#49
 1,4-Dioxane
 Concen: 26.338 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN062124.D
 Acq: 25 Jun 2020 20:30

Tgt Ion: 88 Resp: 1564
 Ion Ratio Lower Upper
 88 100
 43 25.9 22.0 33.0
 58 54.2 49.2 73.8



Abundance Ion 88.00 (87.70 to 88.70): VN
 Ion 43.00 (42.70 to 43.70): VN
 Ion 58.00 (57.70 to 58.70): VN





#50

Toluene-d8

Concen: 48.471 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062124.D

Acq: 25 Jun 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

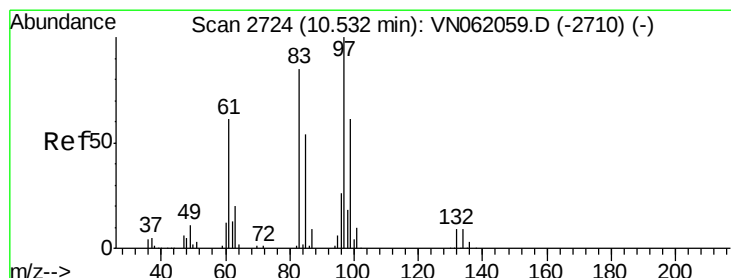
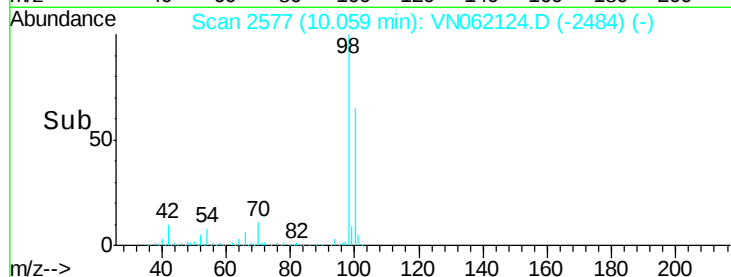
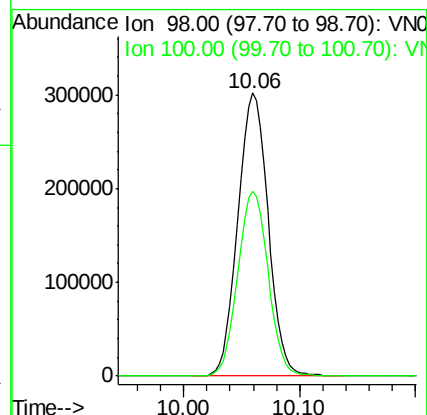
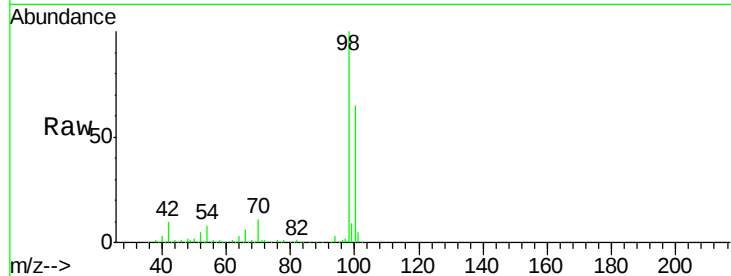
RE120D1-20200615

Tot Ion: 98 Resp: 547122

Ion Ratio Lower Upper

98 100

100 65.4 51.2 76.8



#55

1,1,2-Trichloroethane

Concen: 0.760 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN062124.D

Acq: 25 Jun 2020 20:30

Tgt Ion: 97 Resp: 2459

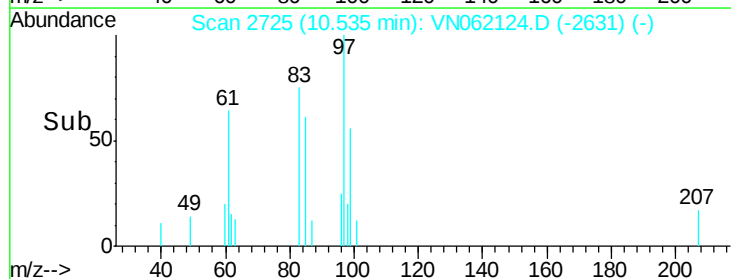
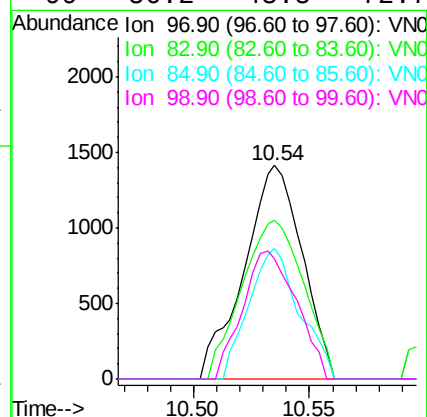
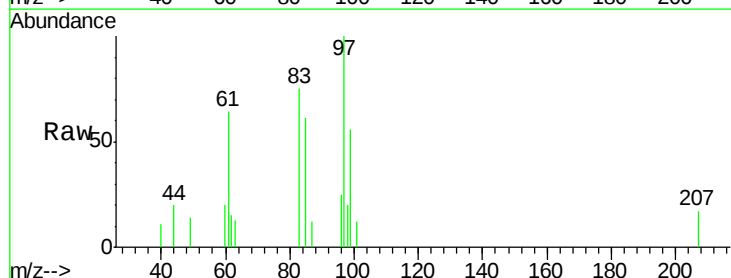
Ion Ratio Lower Upper

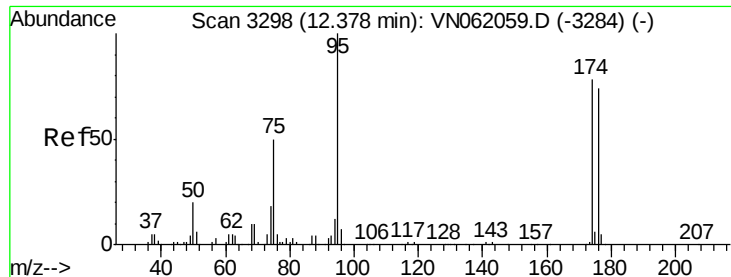
97 100

83 74.5 68.2 102.2

85 61.0 43.2 64.8

99 56.2 48.5 72.7





#62

4-Bromofluorobenzene

Concen: 48.735 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062124.D

Acq: 25 Jun 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20200615

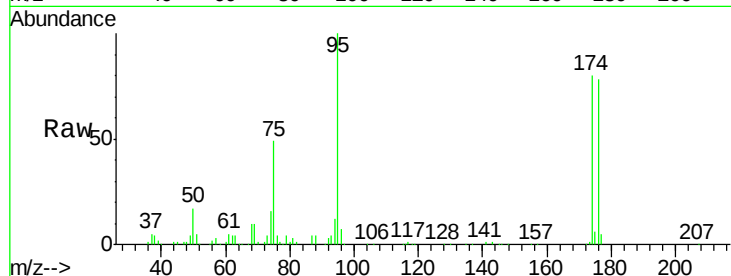
Tot Ion: 95 Resp: 185857

Ion Ratio Lower Upper

95 100

174 78.4 0.0 154.8

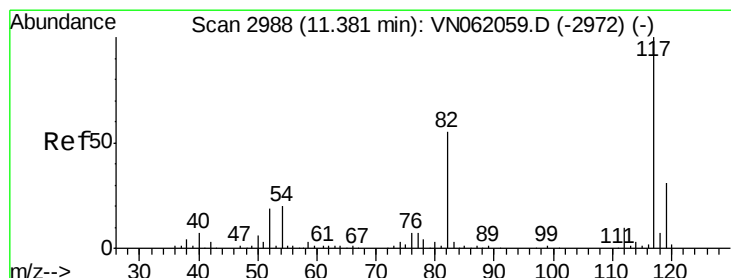
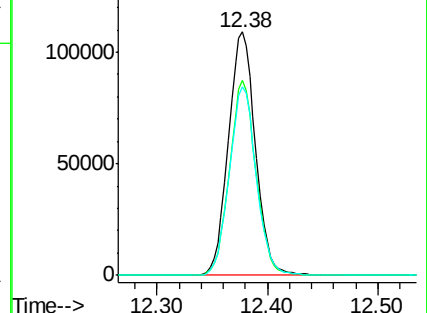
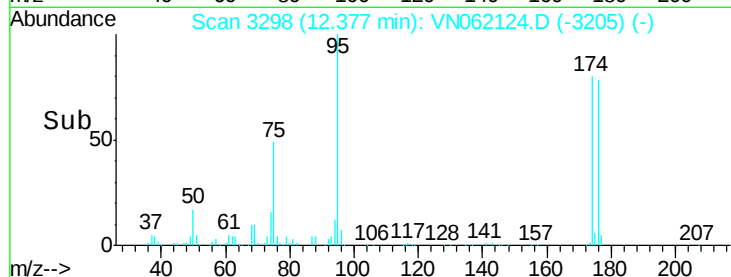
176 77.0 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN062124.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062124.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062124.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062124.D

Acq: 25 Jun 2020 20:30

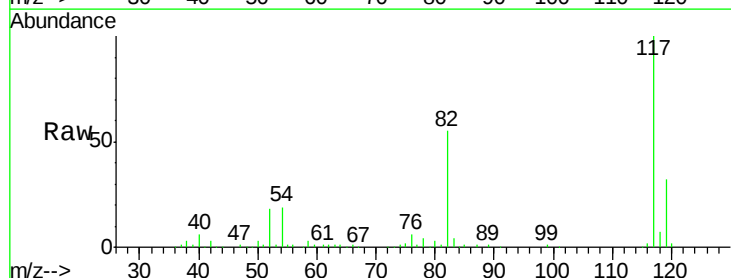
Tgt Ion: 117 Resp: 426275

Ion Ratio Lower Upper

117 100

82 54.9 43.8 65.8

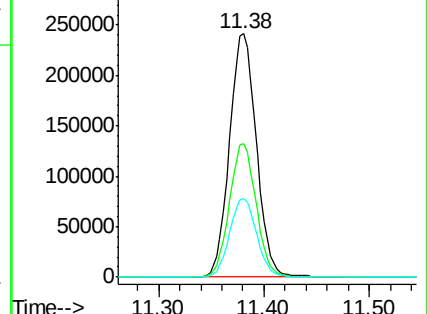
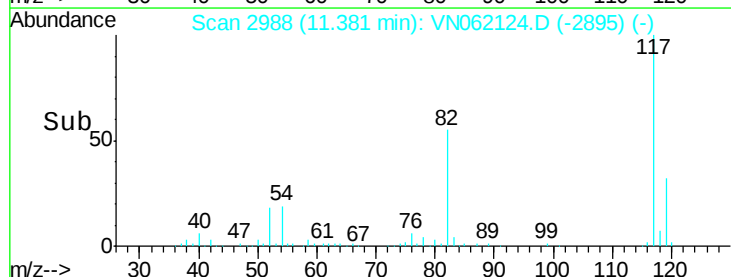
119 32.4 25.2 37.8

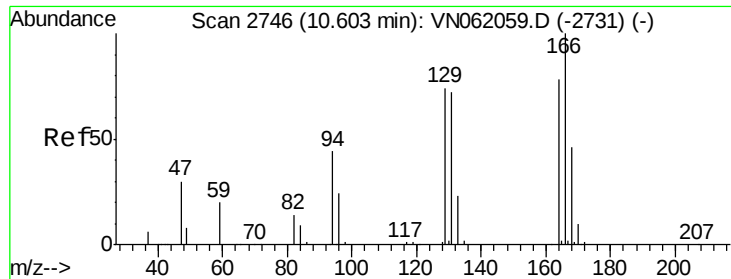


Abundance Ion 116.90 (116.60 to 117.60): VN062124.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062124.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062124.D (-2895) (-)

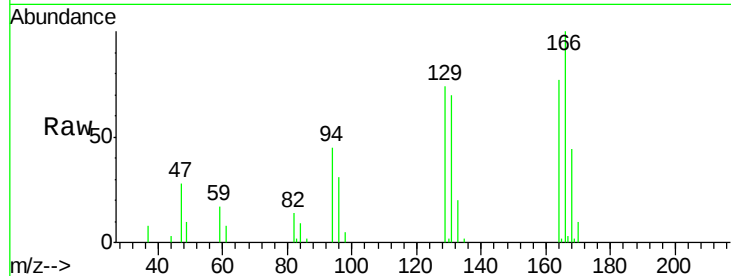




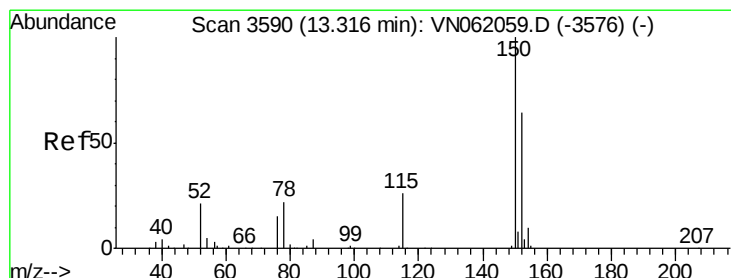
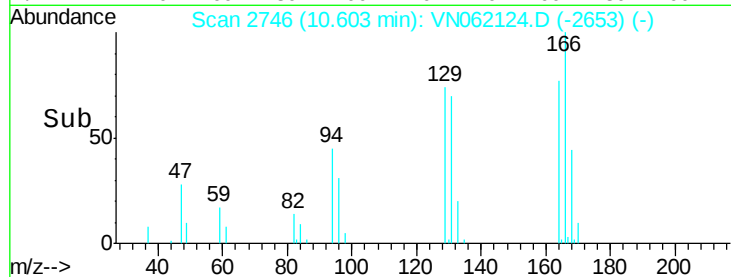
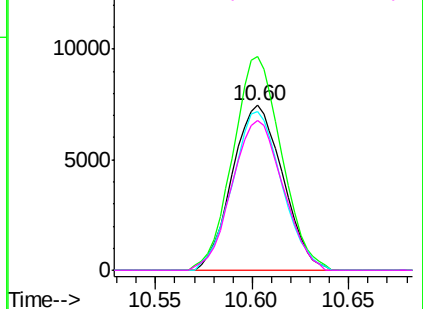
#64
Tetrachloroethene
Concen: 4.649 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062124.D
Acq: 25 Jun 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20200615

Tot Ion:164 Resp: 13538
Ion Ratio Lower Upper
164 100
166 129.4 102.9 154.3
129 96.0 75.8 113.8
131 91.2 73.8 110.6

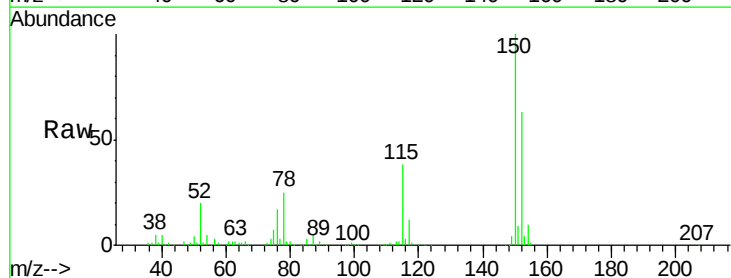


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062124.D
Acq: 25 Jun 2020 20:30

Tgt Ion:152 Resp: 159362
Ion Ratio Lower Upper
152 100
115 60.2 29.5 88.5
150 158.6 0.0 351.4



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

