

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061120\
 Data File : VN061759.D
 Acq On : 11 Jun 2020 19:57
 Operator : JC/MD
 Sample : L2988-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D3-20200608

Quant Time: Jun 12 08:39:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	273804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	462926	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	465426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	205342	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	155240	47.59	ug/l	0.00
Spiked Amount			Recovery	=	95.18%	
35) Dibromofluoromethane	7.55	113	126780	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	
50) Toluene-d8	10.06	98	567825	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.38	95	194783	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	

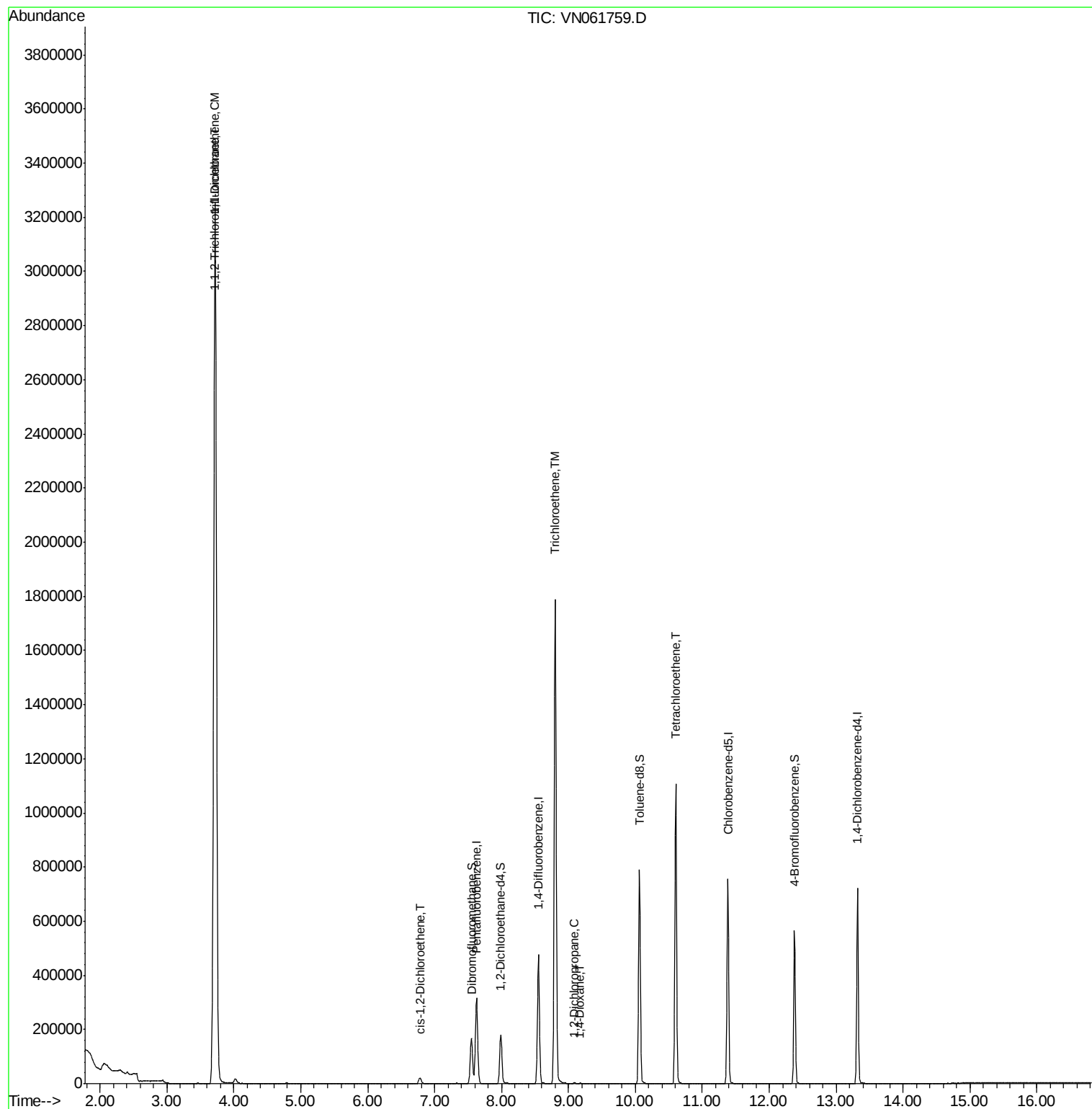
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	2041957	779.742	ug/l	97
12) 1,1-Dichloroethene	3.70	96	14130	5.050	ug/l #	75
27) cis-1,2-Dichloroethene	6.78	96	13295	3.721	ug/l	93
44) Trichloroethene	8.80	130	699941	180.120	ug/l	95
45) 1,2-Dichloropropane	9.08	63	2025	0.674	ug/l	93
49) 1,4-Dioxane	9.17	88	1498	36.192	ug/l #	60
64) Tetrachloroethene	10.61	164	265635	60.632	ug/l	98

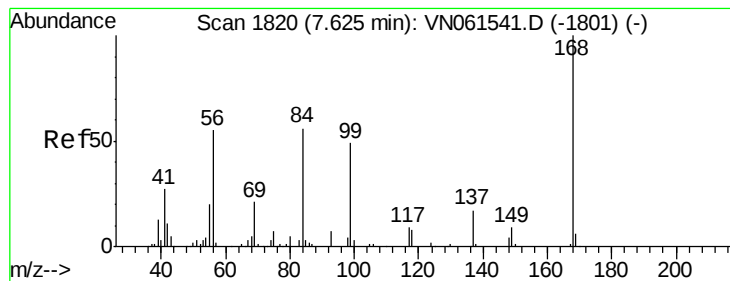
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
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: VN061759.D

Acq: 11 Jun 2020 19:57

Instrument :

MSVOA_N

ClientSampleId :

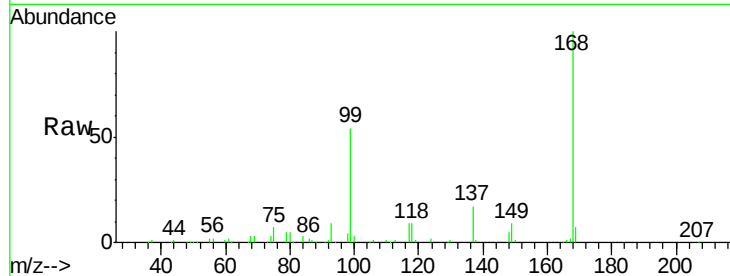
RE134D3-20200608

Tot Ion:168 Resp: 273804

Ion Ratio Lower Upper

168 100

99 53.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

120000

100000

80000

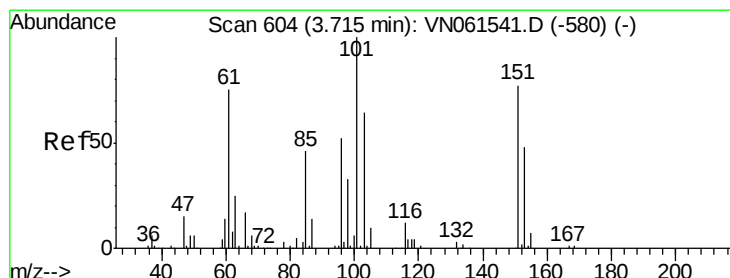
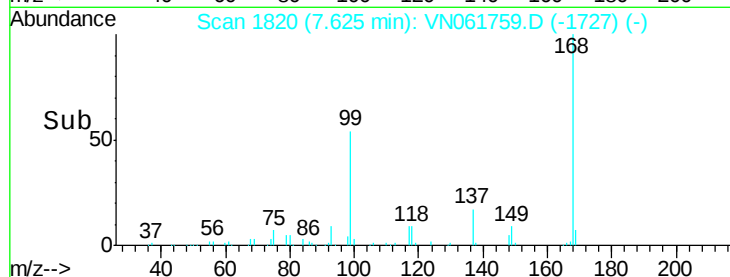
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#9

1,1,2-Trichlorotrifluoroethane

Concen: 779.742 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061759.D

Acq: 11 Jun 2020 19:57

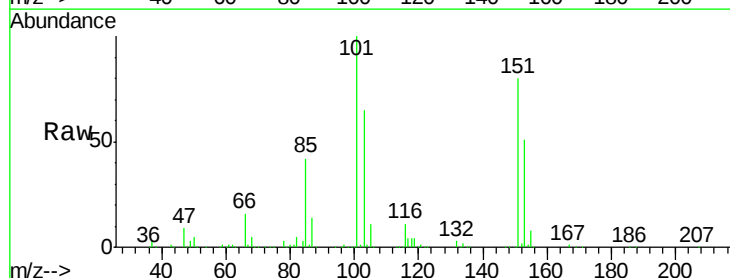
Tgt Ion:101 Resp: 2041957

Ion Ratio Lower Upper

101 100

85 42.8 35.2 52.8

151 79.0 61.0 91.6



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

800000

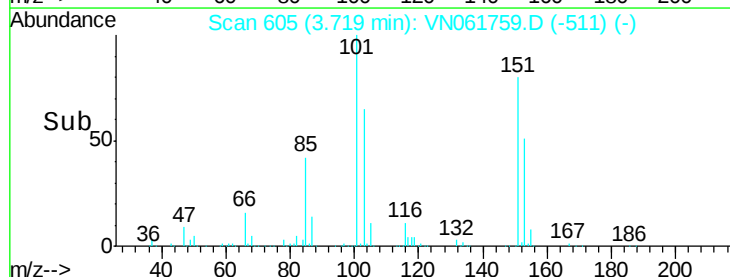
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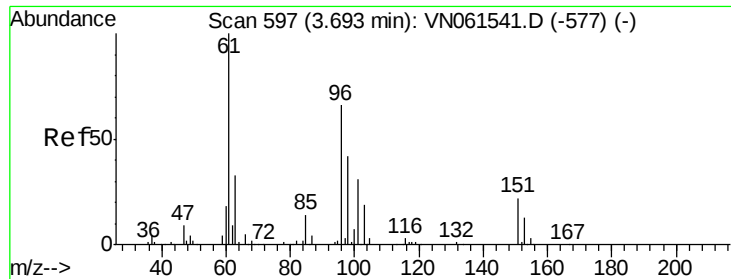
400000

200000

0

Time--> 3.60 3.70 3.80





#12

1,1-Dichloroethene

Concen: 5.050 ug/l

RT: 3.70 min Scan# 600

Delta R.T. 0.01 min

Lab File: VN061759.D

Acq: 11 Jun 2020 19:57

Instrument :

MSVOA_N

ClientSampleId :

RE134D3-20200608

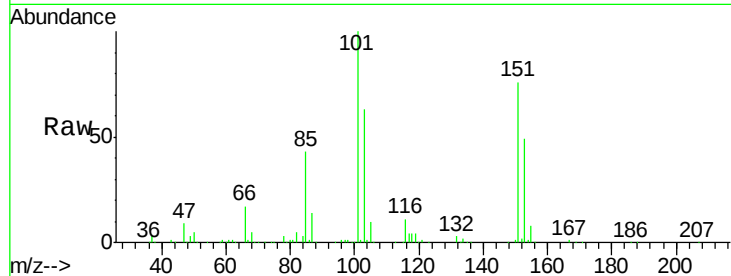
Tot Ion: 96 Resp: 14130

Ion Ratio Lower Upper

96 100

61 112.3 120.5 180.7#

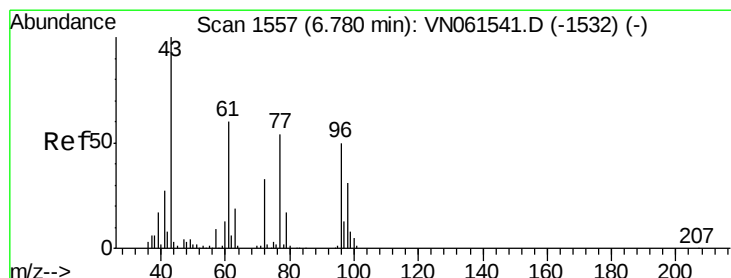
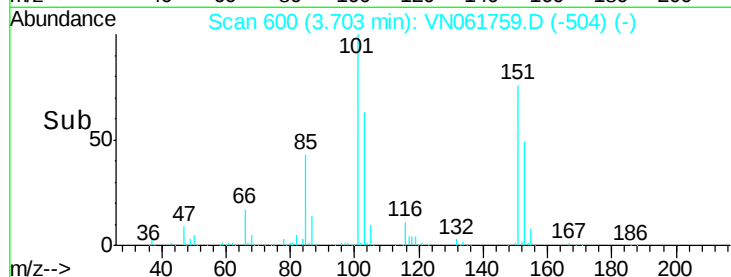
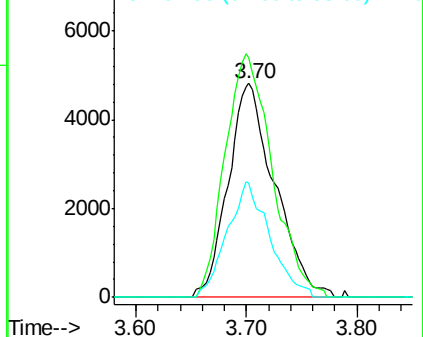
98 53.3 50.8 76.2



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



#27

cis-1,2-Dichloroethene

Concen: 3.721 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061759.D

Acq: 11 Jun 2020 19:57

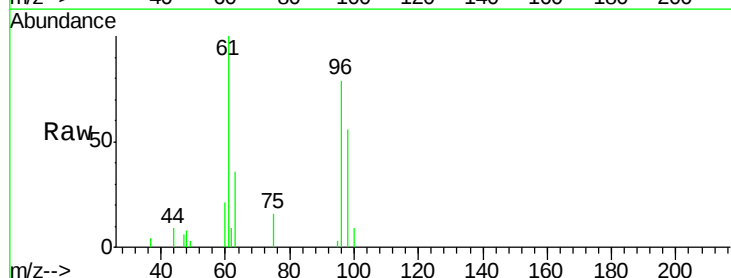
Tgt Ion: 96 Resp: 13295

Ion Ratio Lower Upper

96 100

61 117.4 0.0 252.2

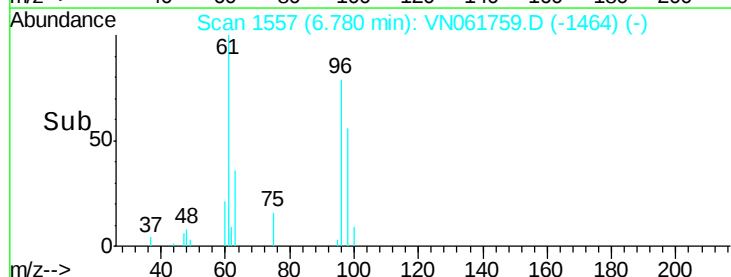
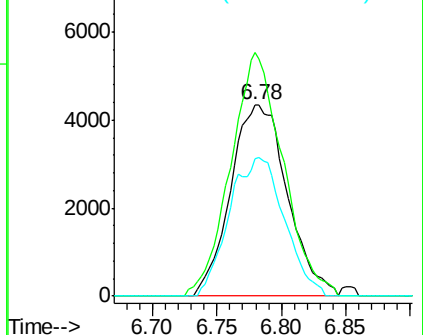
98 70.2 0.0 129.2

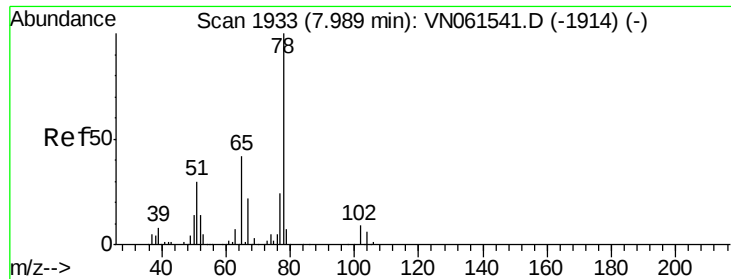


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

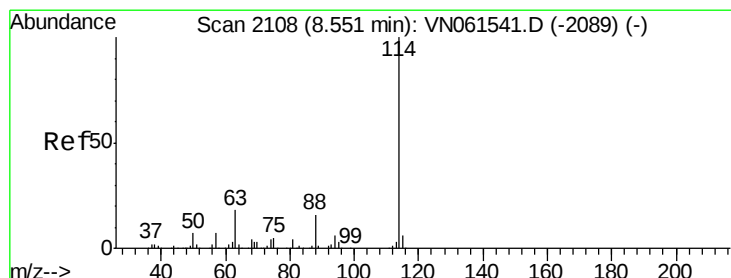
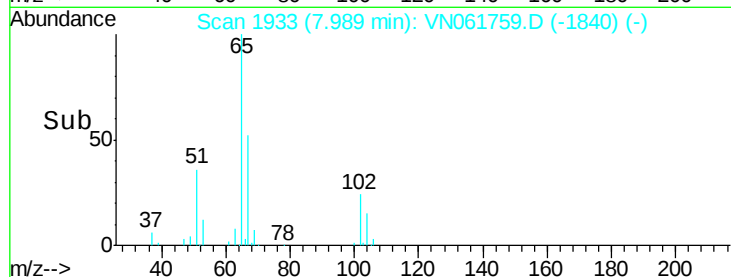
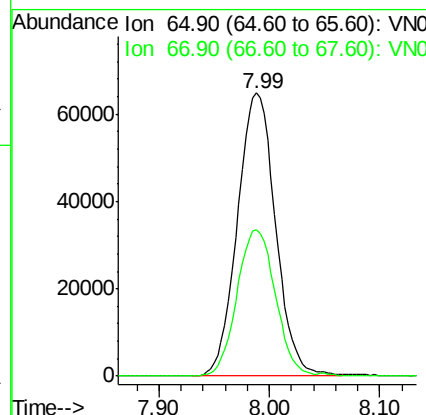
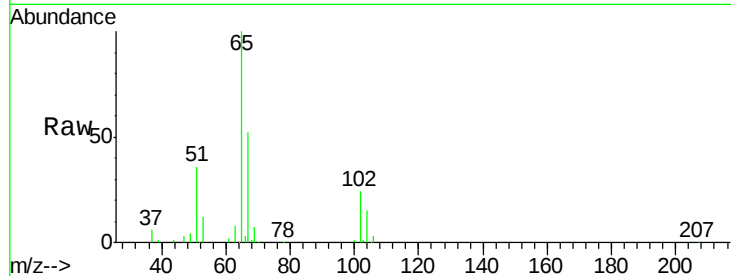




#33
 1,2-Dichloroethane-d4
 Concen: 47.587 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061759.D
 Acq: 11 Jun 2020 19:57

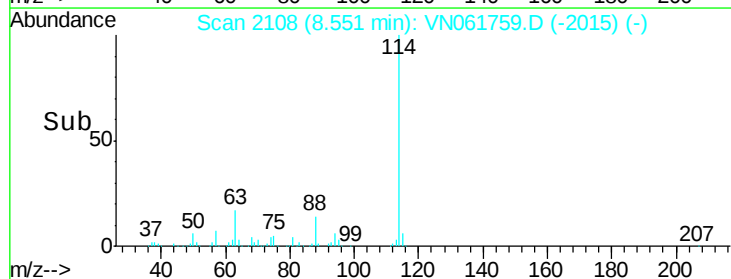
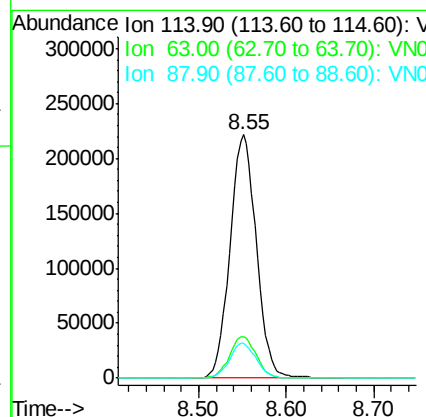
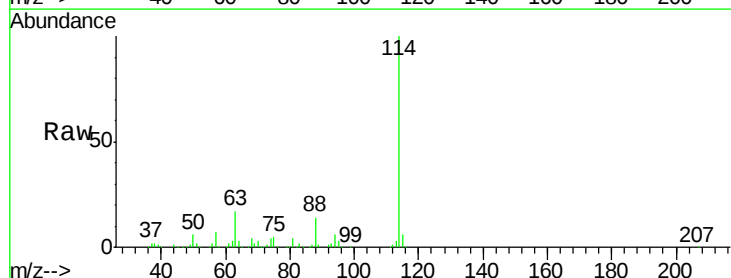
Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D3-20200608

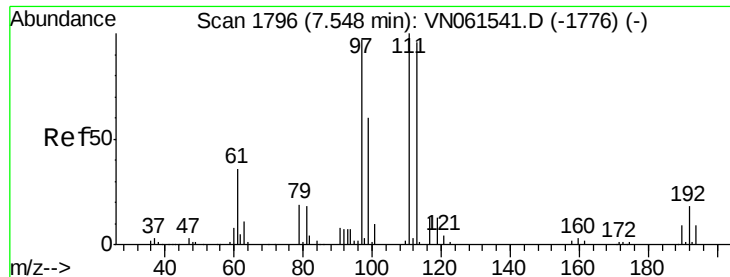
Tot Ion: 65 Resp: 155240
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061759.D
 Acq: 11 Jun 2020 19:57

Tgt Ion: 114 Resp: 462926
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 35.8
 88 14.3 0.0 31.0

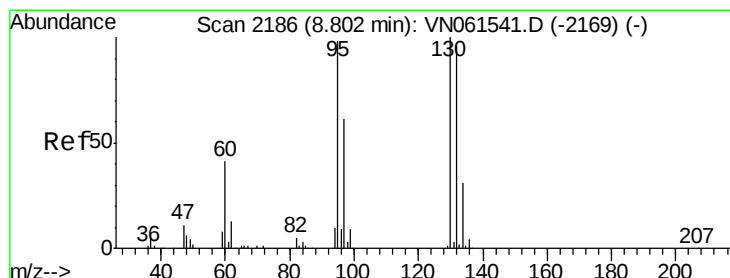
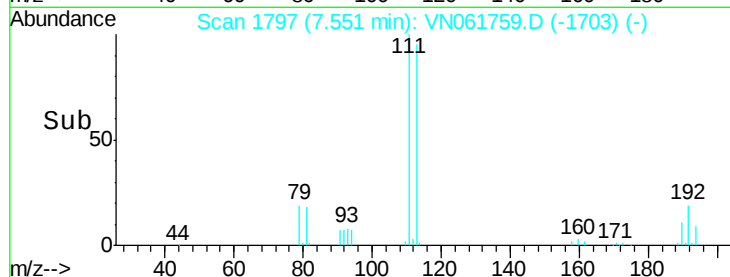
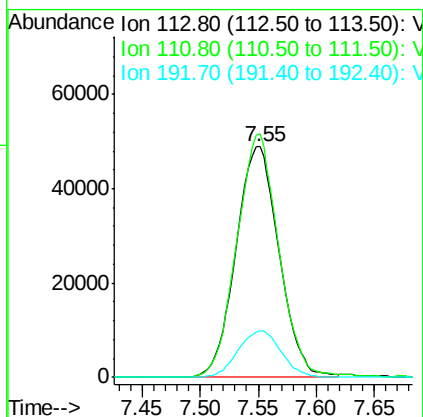
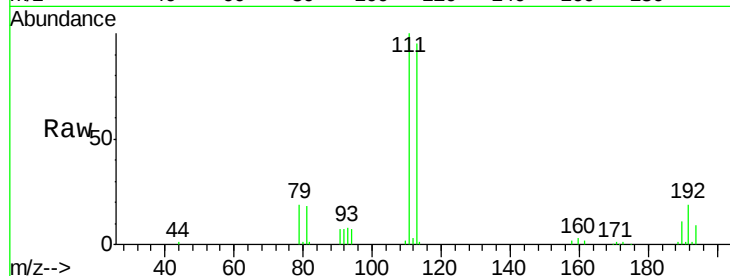




#35
 Dibromofluoromethane
 Concen: 53.987 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061759.D
 Acq: 11 Jun 2020 19:57

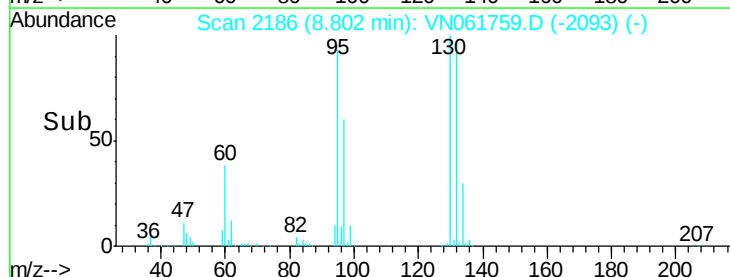
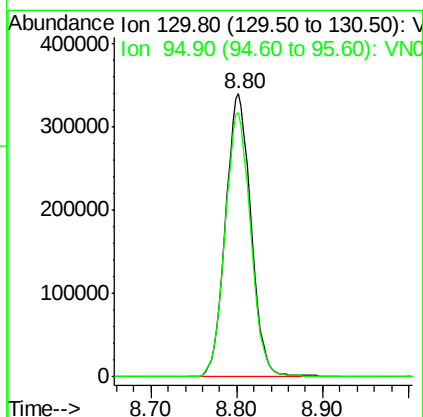
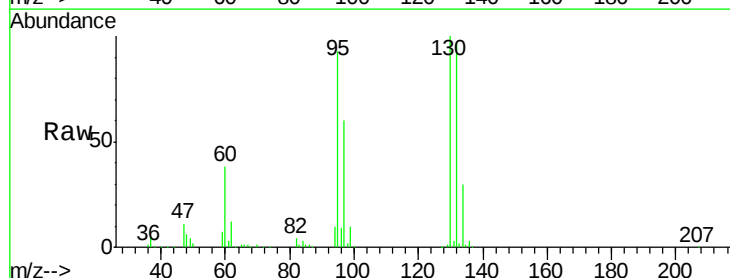
Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D3-20200608

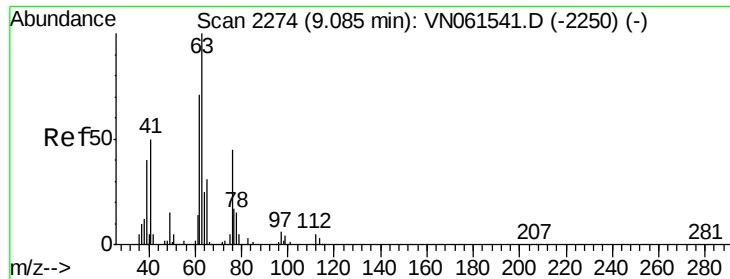
Tot Ion:113 Resp: 126780
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.4 125.0
 192 20.3 15.4 23.2



#44
 Trichloroethene
 Concen: 180.120 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN061759.D
 Acq: 11 Jun 2020 19:57

Tgt Ion:130 Resp: 699941
 Ion Ratio Lower Upper
 130 100
 95 93.4 0.0 196.6





#45

1,2-Dichloropropane

Concen: 0.674 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061759.D

Acq: 11 Jun 2020 19:57

Instrument :

MSVOA_N

ClientSampleId :

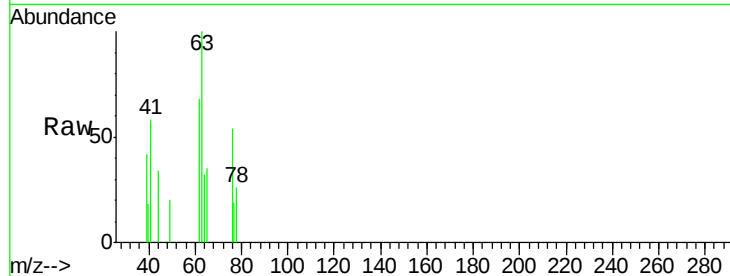
RE134D3-20200608

Tot Ion: 63 Resp: 2025

Ion Ratio Lower Upper

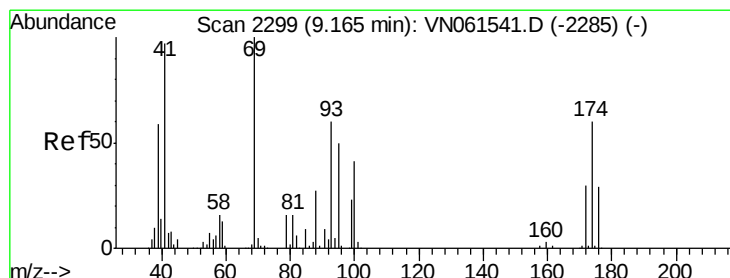
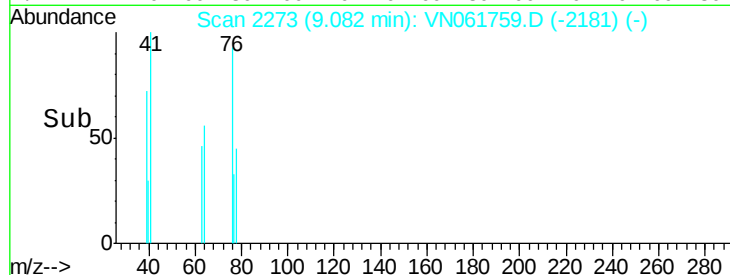
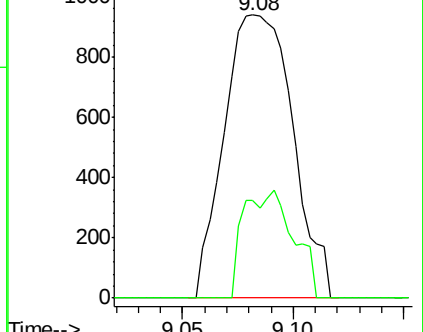
63 100

65 34.5 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#49

1,4-Dioxane

Concen: 36.192 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. 0.01 min

Lab File: VN061759.D

Acq: 11 Jun 2020 19:57

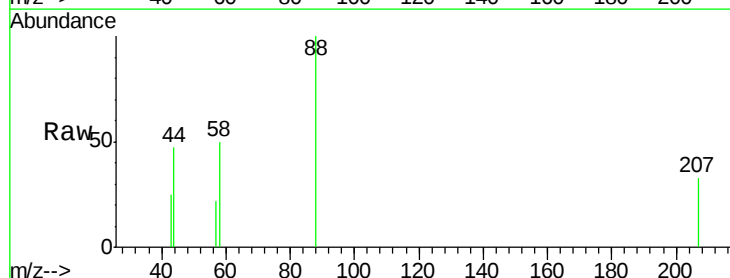
Tgt Ion: 88 Resp: 1498

Ion Ratio Lower Upper

88 100

43 19.3 23.1 34.7#

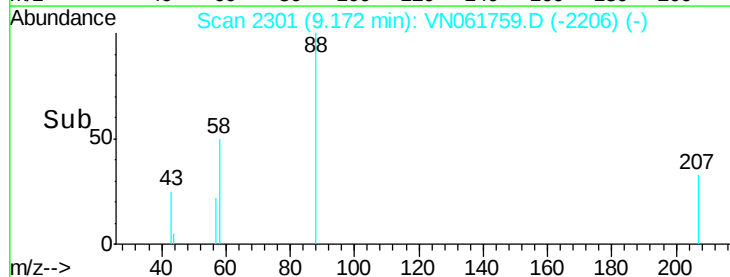
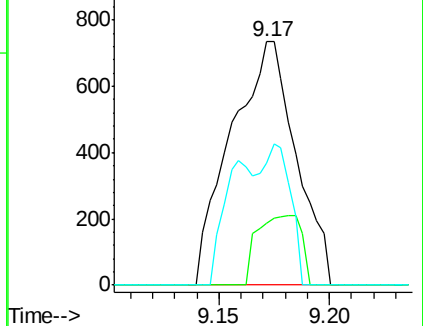
58 22.2 48.3 72.5#

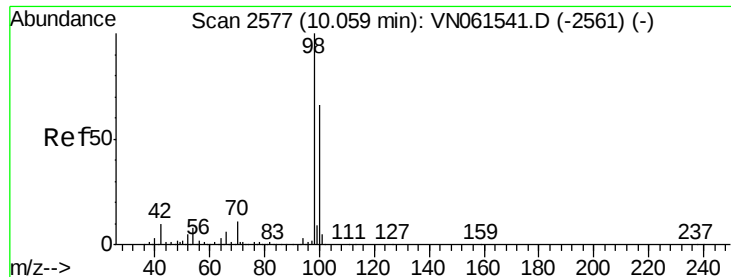


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 52.178 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061759.D

Acq: 11 Jun 2020 19:57

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ClientSampleId :

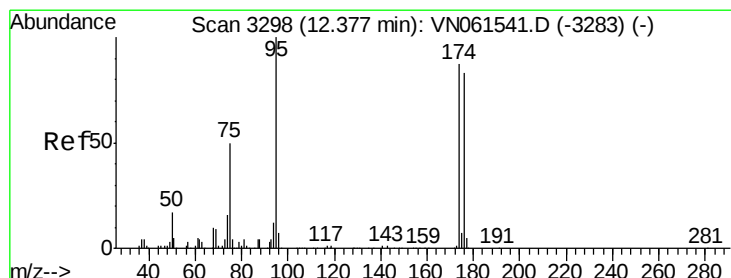
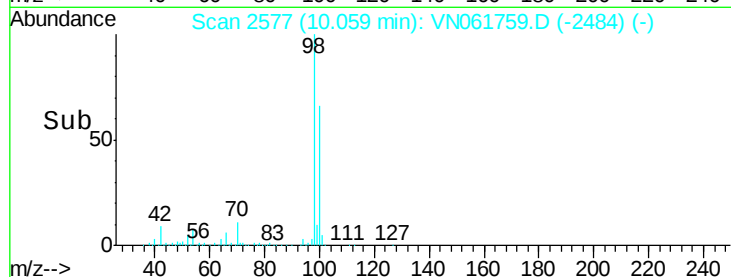
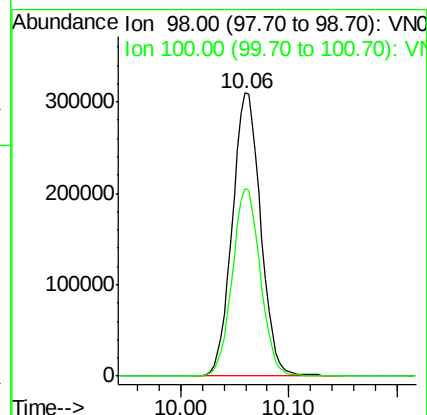
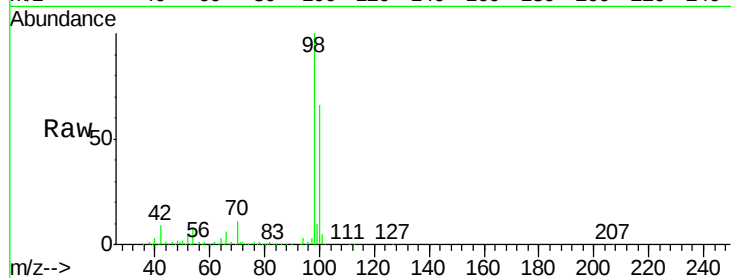
RE134D3-20200608

Tot Ion: 98 Resp: 567825

Ion Ratio Lower Upper

98 100

100 65.3 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 49.060 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061759.D

Acq: 11 Jun 2020 19:57

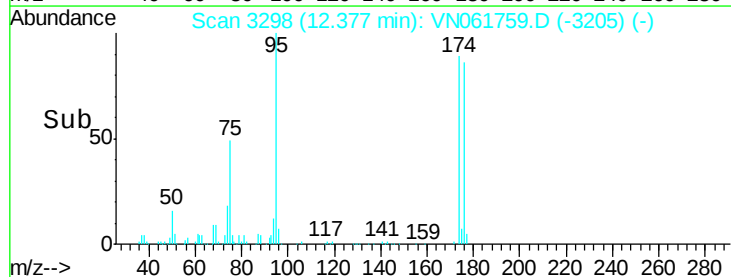
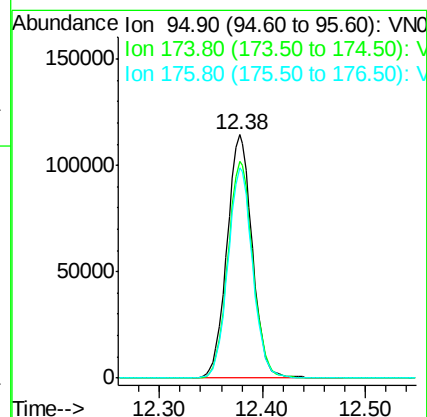
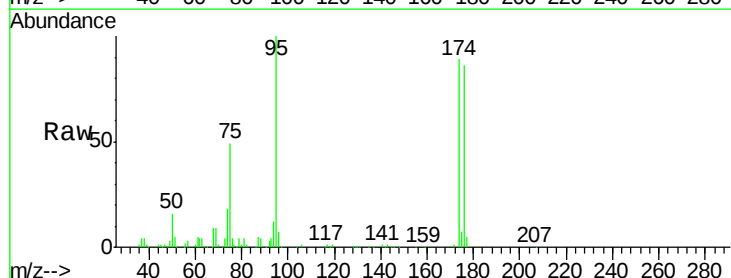
Tgt Ion: 95 Resp: 194783

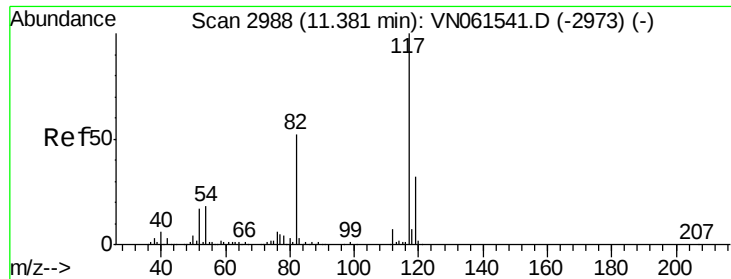
Ion Ratio Lower Upper

95 100

174 88.5 0.0 172.8

176 84.3 0.0 164.8

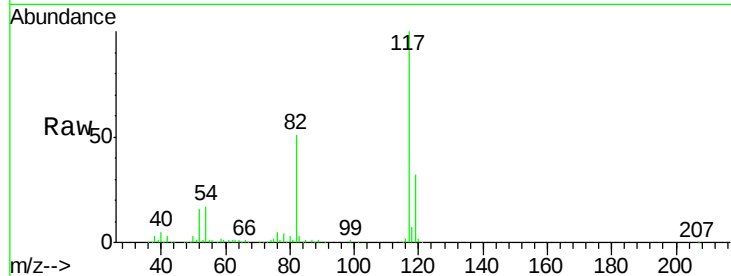




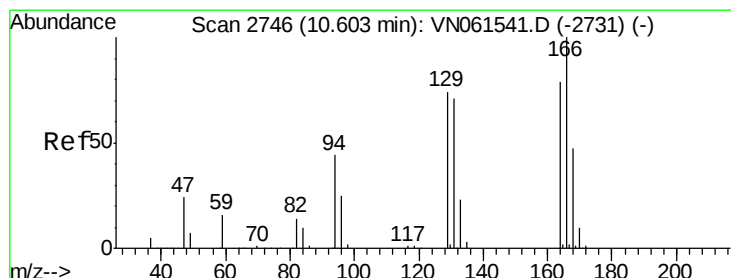
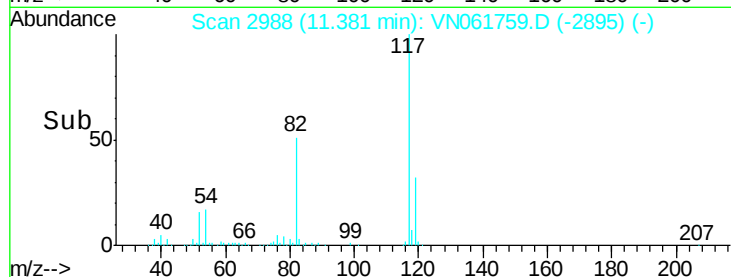
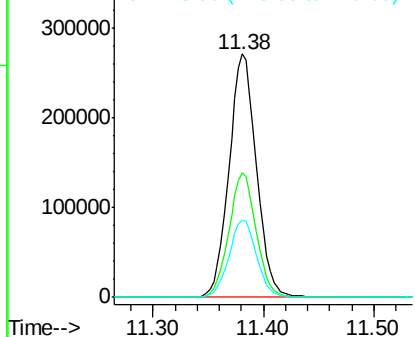
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061759.D
Acq: 11 Jun 2020 19:57

Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20200608

Tot Ion:117 Resp: 465426
Ion Ratio Lower Upper
117 100
82 51.0 41.5 62.3
119 31.7 25.6 38.4

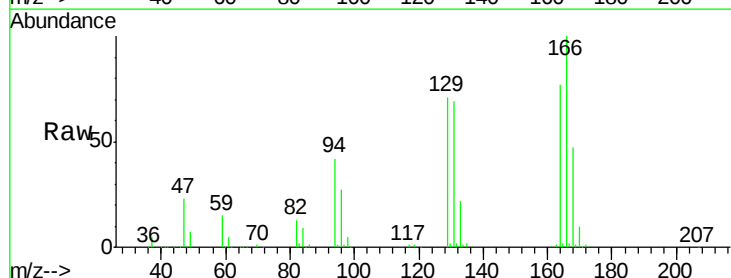


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

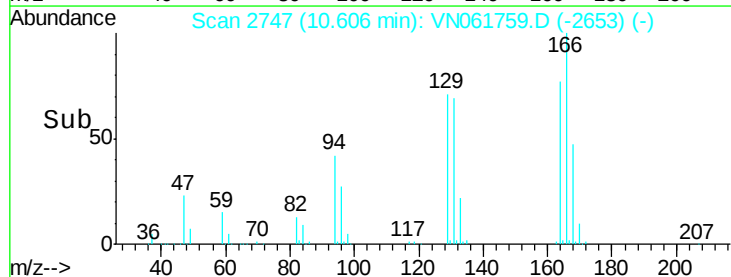
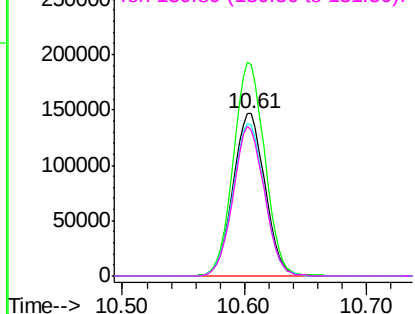


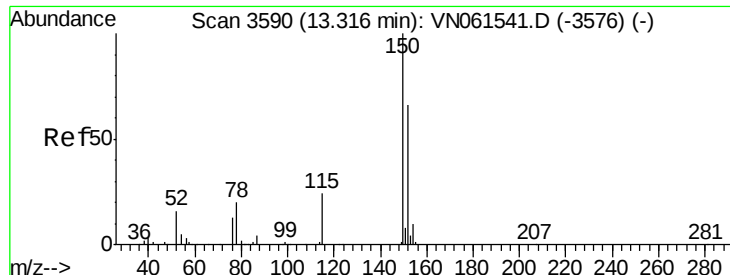
#64
Tetrachloroethene
Concen: 60.632 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN061759.D
Acq: 11 Jun 2020 19:57

Tgt Ion:164 Resp: 265635
Ion Ratio Lower Upper
164 100
166 130.5 101.5 152.3
129 92.8 74.9 112.3
131 89.9 72.2 108.2



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: VN061759.D

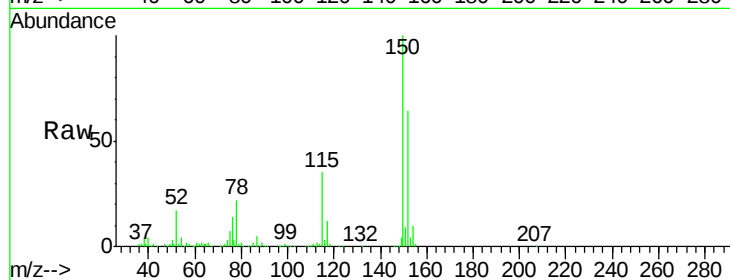
Acq: 11 Jun 2020 19:57

Instrument :

MSVOA_N

ClientSampleId :

RE134D3-20200608



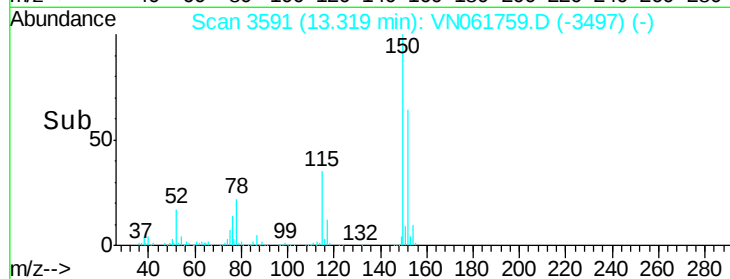
Tot Ion:152 Resp: 205342

Ion Ratio Lower Upper

152 100

115 55.6 28.0 84.0

150 156.7 0.0 344.0



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

