

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121020\  
 Data File : VX019833.D  
 Acq On : 10 Dec 2020 18:13  
 Operator : JC/MD  
 Sample : L4996-09  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE126D1-20201208

Quant Time: Dec 11 02:33:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 04 15:32:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 313176   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 519770   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.09 | 117  | 481452   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 215085   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        | R.T.  | QIon     | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   |        | 6.03  | 65       | 199111   | 48.37 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =     | 96.74% |          |
| 35) Dibromofluoromethane    |        | 5.46  | 113      | 161443   | 48.06 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =     | 96.12% |          |
| 50) Toluene-d8              |        | 8.70  | 98       | 627995   | 48.97 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =     | 97.94% |          |
| 62) 4-Bromofluorobenzene    |        | 11.12 | 95       | 220896   | 45.25 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =     | 90.50% |          |

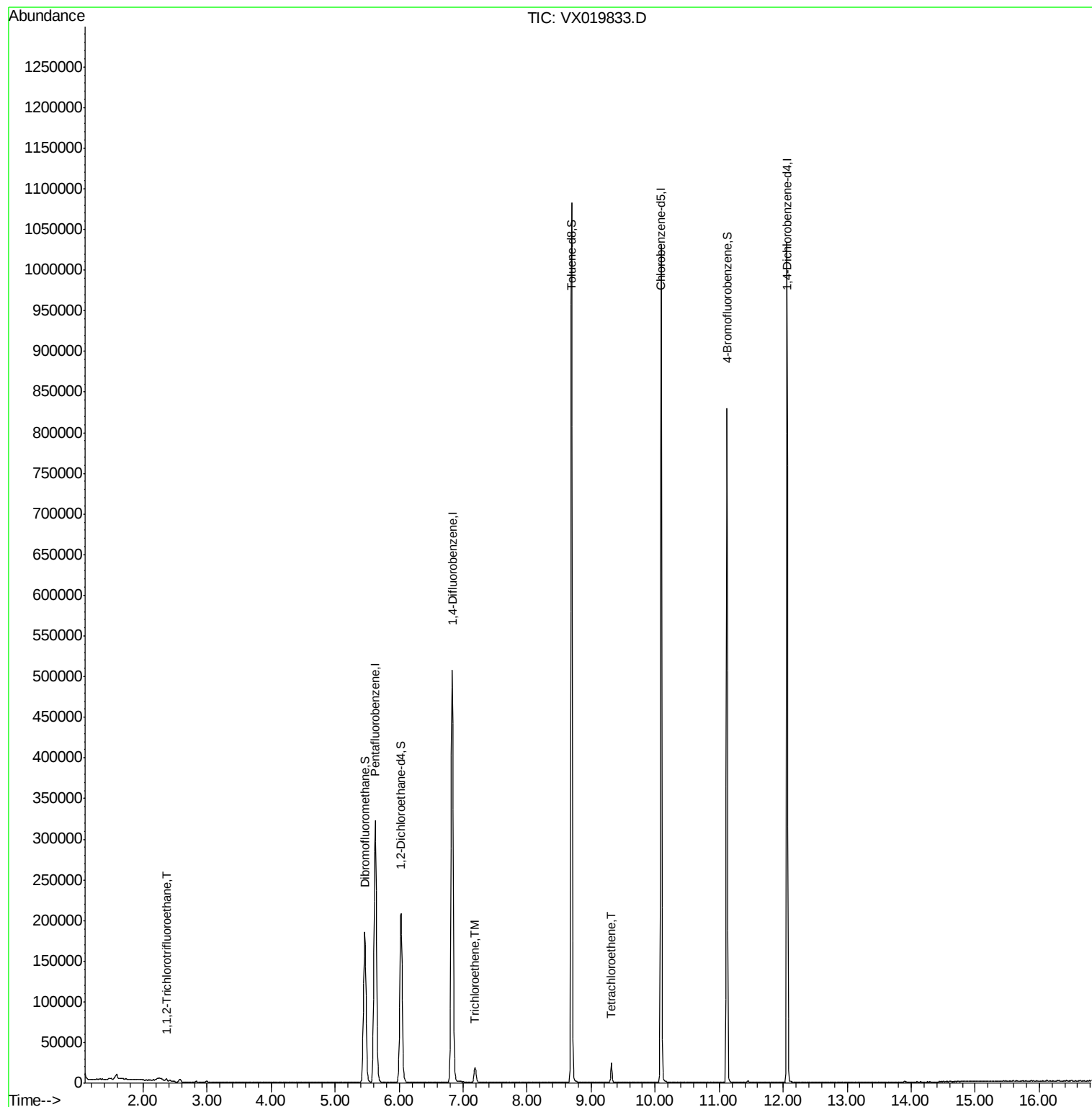
| Target Compounds              |  | R.T. | QIon | Response | Conc  | Units | Qvalue |
|-------------------------------|--|------|------|----------|-------|-------|--------|
| 9) 1,1,2-Trichlorotrifluoroet |  | 2.37 | 101  | 738      | 0.260 | ug/l  | 100    |
| 44) Trichloroethene           |  | 7.18 | 130  | 6776     | 1.800 | ug/l  | 95     |
| 64) Tetrachloroethene         |  | 9.32 | 164  | 4468     | 1.384 | ug/l  | 92     |

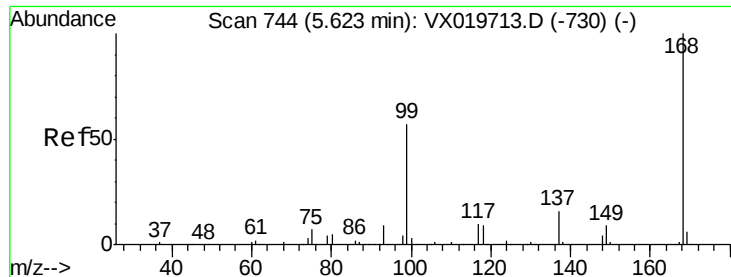
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121020\  
Data File : VX019833.D  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D1-20201208

Quant Time: Dec 11 02:33:11 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 04 15:32:53 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

Instrument :

MSVOA\_X

ClientSampleId :

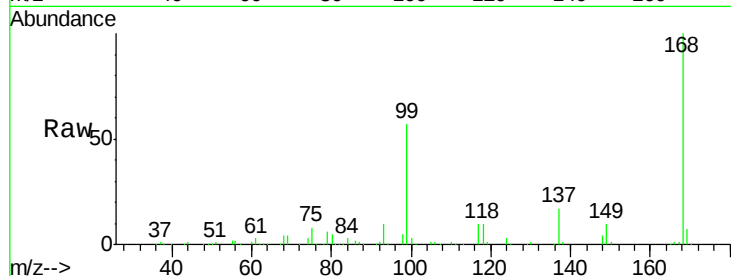
RE126D1-20201208

Tot Ion:168 Resp: 313176

Ion Ratio Lower Upper

168 100

99 57.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

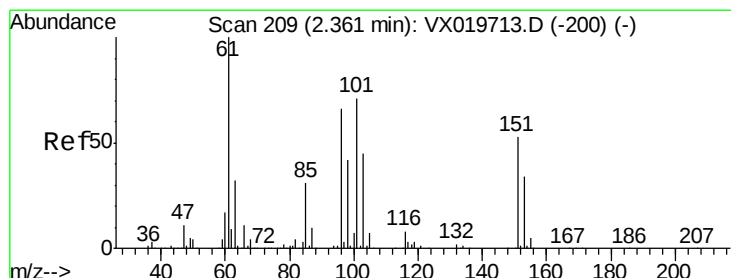
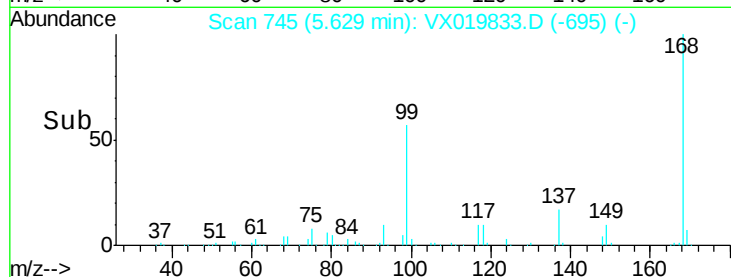
60000

40000

20000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.260 ug/l

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

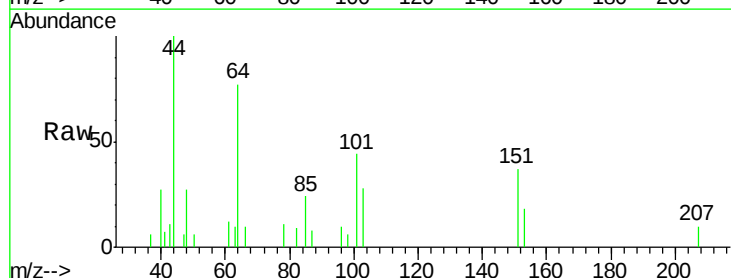
Tgt Ion:101 Resp: 738

Ion Ratio Lower Upper

101 100

85 43.5 34.9 52.3

151 76.7 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

500

400

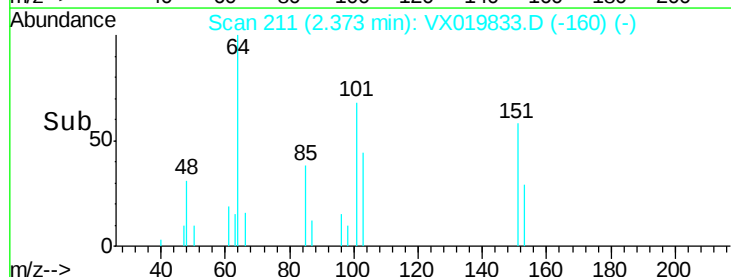
300

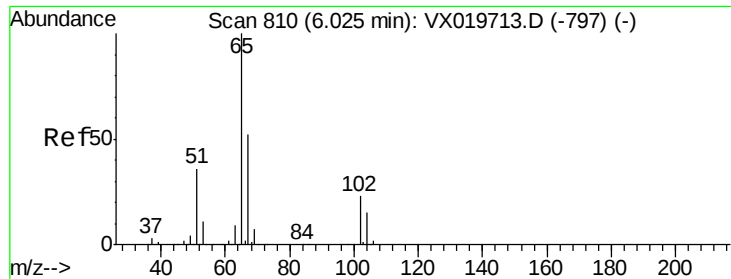
200

100

0

Time-->

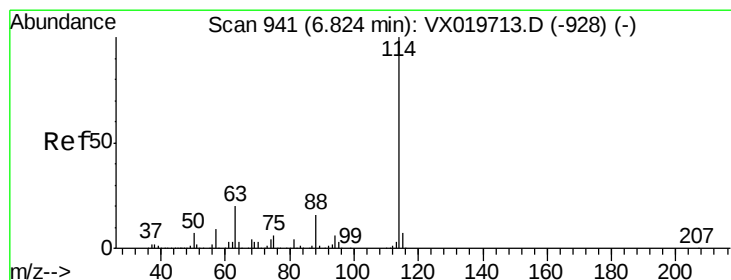
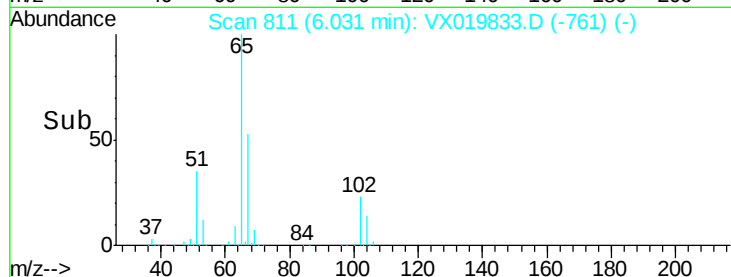
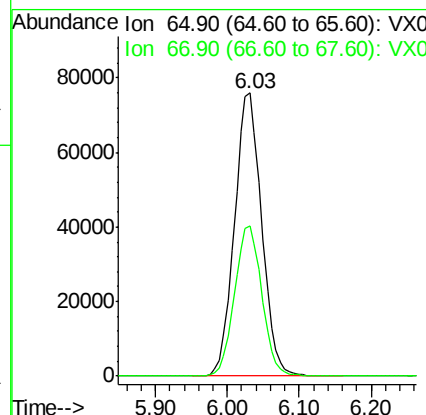
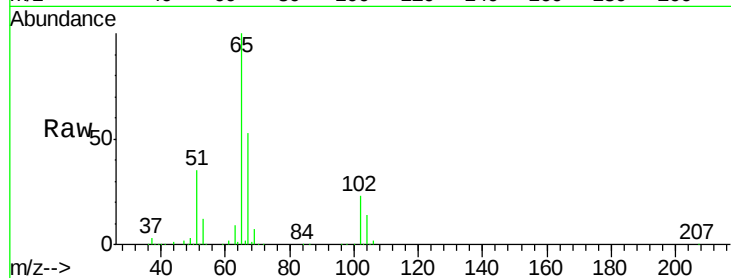




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.374 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. 0.01 min  
 Lab File: VX019833.D  
 Acq: 10 Dec 2020 18:13

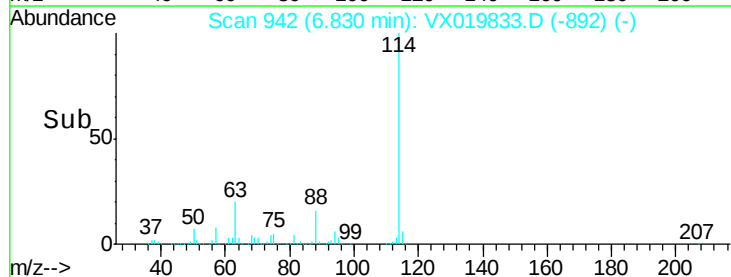
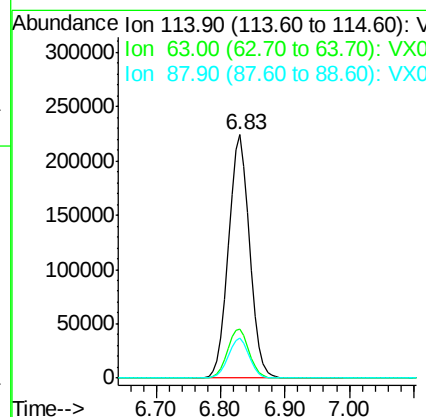
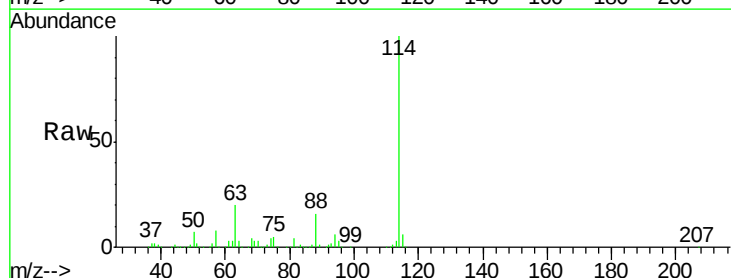
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE126D1-20201208

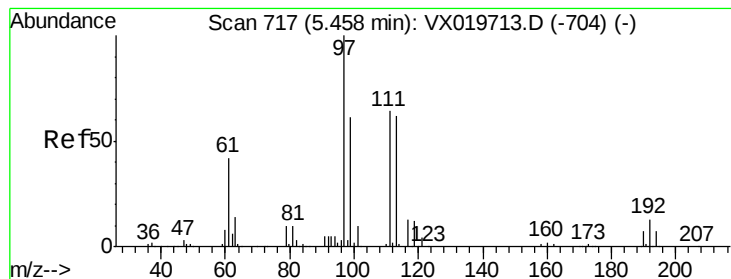
Tot Ion: 65 Resp: 199111  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 105.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. 0.01 min  
 Lab File: VX019833.D  
 Acq: 10 Dec 2020 18:13

Tgt Ion: 114 Resp: 519770  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 40.8  
 88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.060 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

Instrument :

MSVOA\_X

ClientSampleId :

RE126D1-20201208

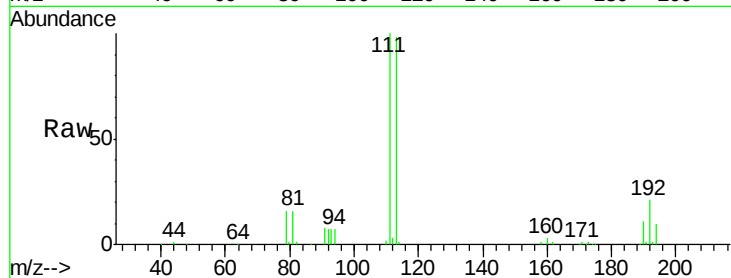
Tot Ion:113 Resp: 161443

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

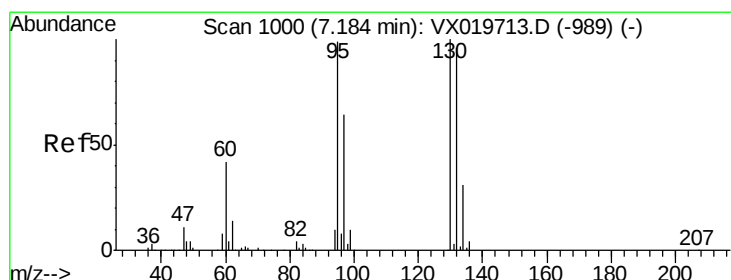
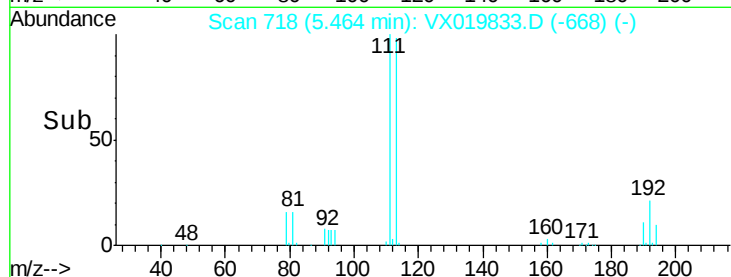
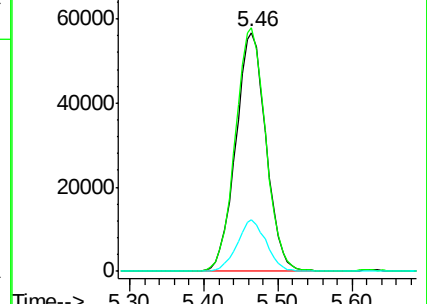
192 20.8 16.7 25.1



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



#44

Trichloroethene

Concen: 1.800 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019833.D

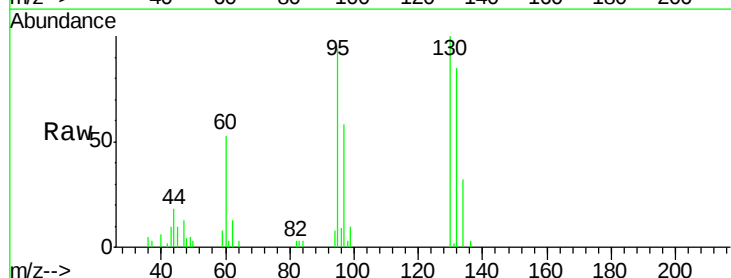
Acq: 10 Dec 2020 18:13

Tgt Ion:130 Resp: 6776

Ion Ratio Lower Upper

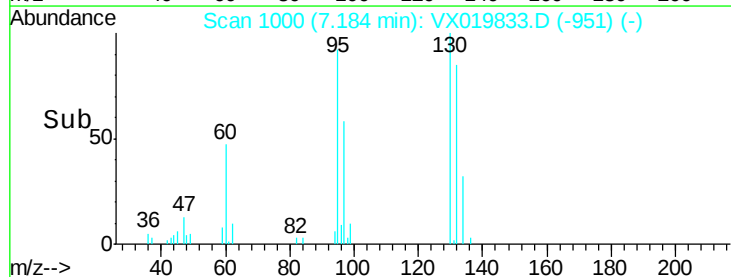
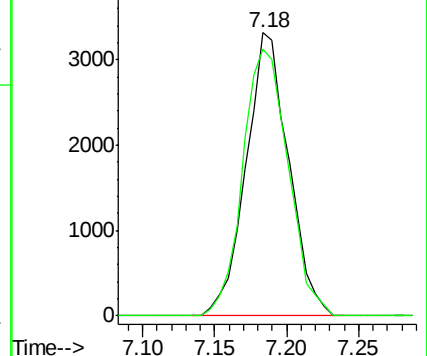
130 100

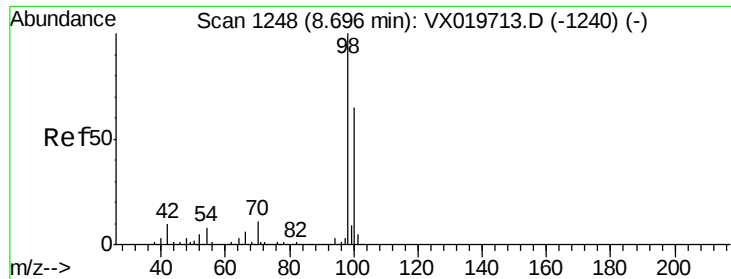
95 94.2 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 48.968 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

Instrument :

MSVOA\_X

ClientSampleId :

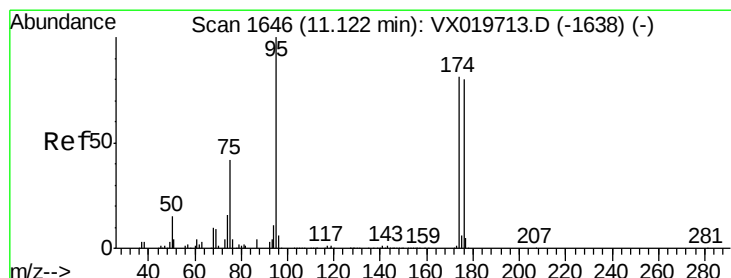
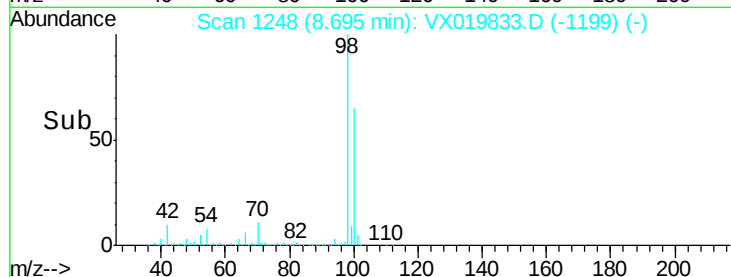
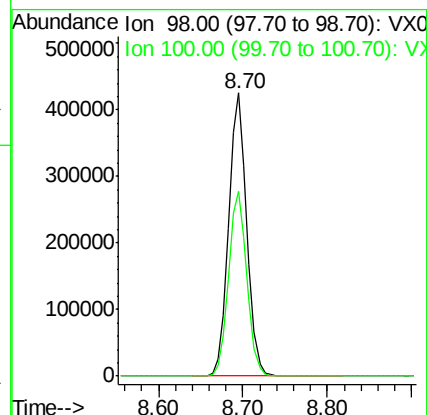
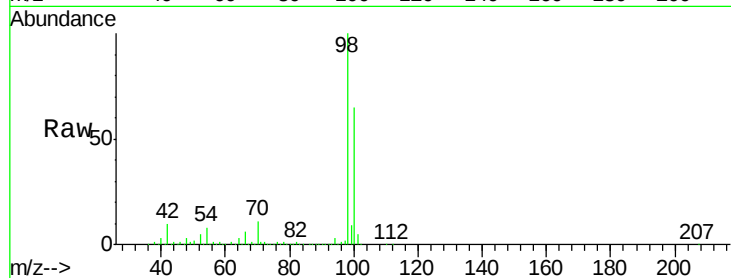
RE126D1-20201208

Tot Ion: 98 Resp: 627995

Ion Ratio Lower Upper

98 100

100 65.9 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 45.255 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

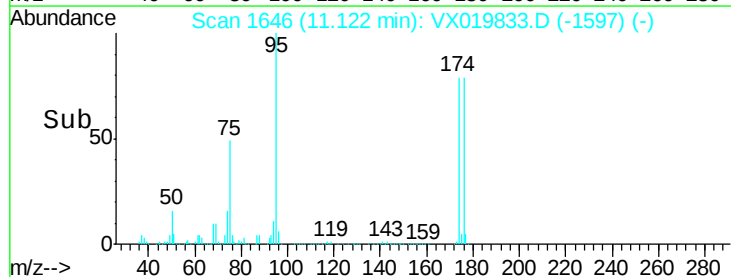
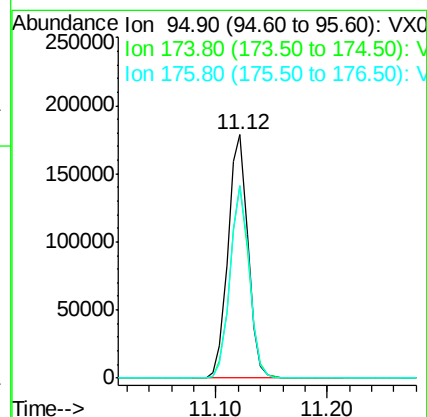
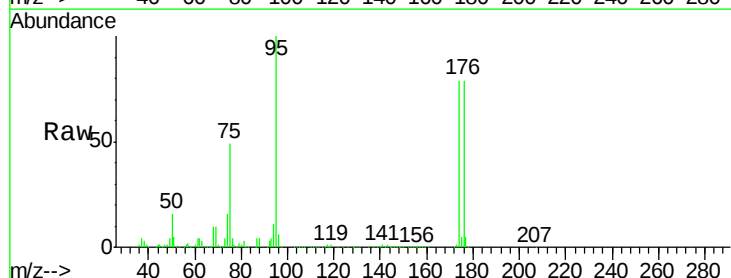
Tgt Ion: 95 Resp: 220896

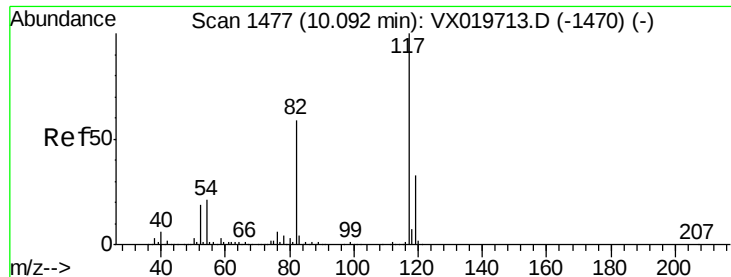
Ion Ratio Lower Upper

95 100

174 76.7 0.0 154.6

176 76.5 0.0 155.8

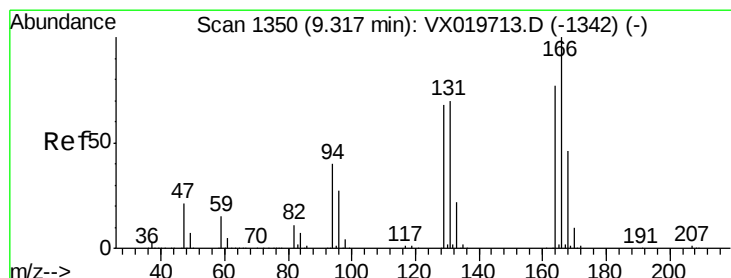
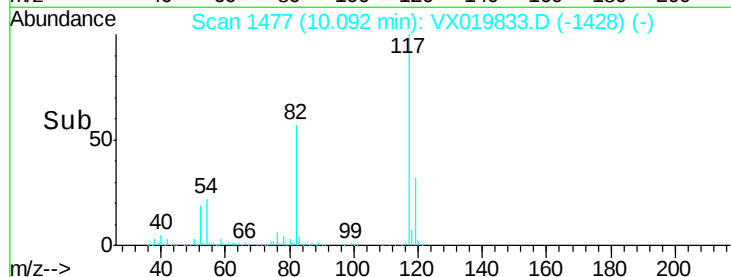
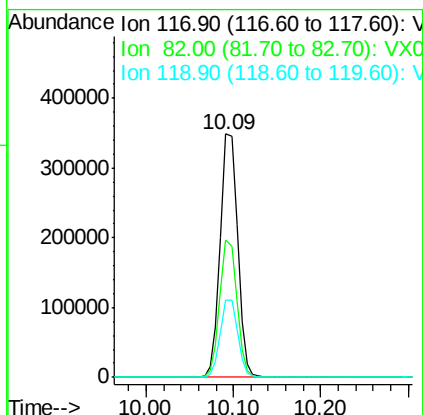
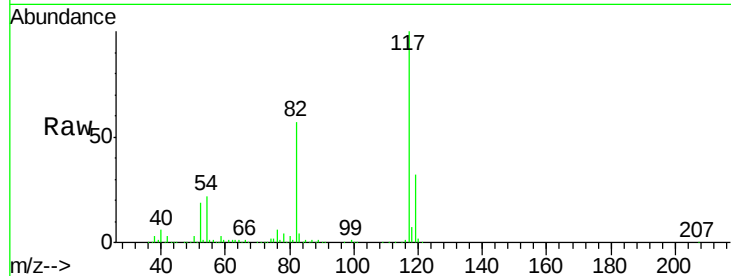




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.09 min Scan# 1477  
Delta R.T. -0.00 min  
Lab File: VX019833.D  
Acq: 10 Dec 2020 18:13

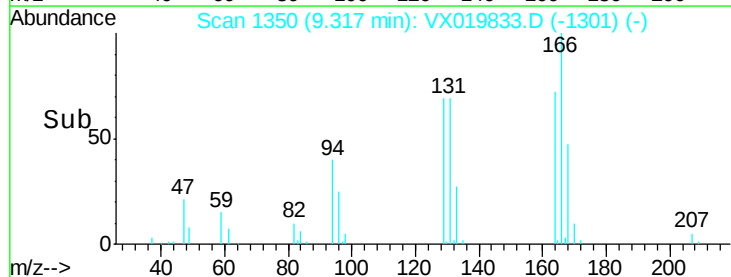
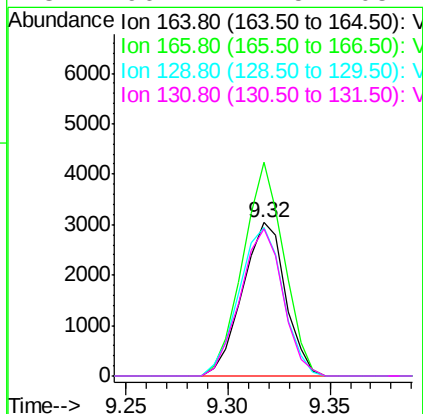
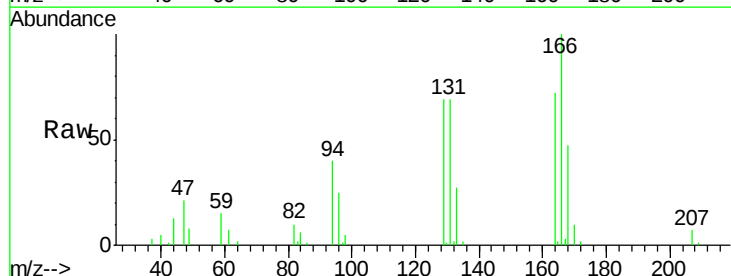
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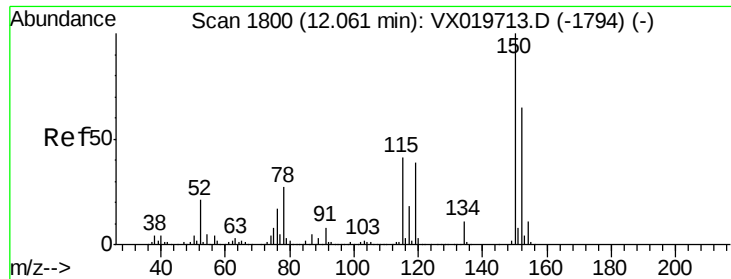
Tot Ion:117 Resp: 481452  
Ion Ratio Lower Upper  
117 100  
82 56.6 47.4 71.2  
119 31.8 26.6 39.8



#64  
Tetrachloroethene  
Concen: 1.384 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. -0.00 min  
Lab File: VX019833.D  
Acq: 10 Dec 2020 18:13

Tgt Ion:164 Resp: 4468  
Ion Ratio Lower Upper  
164 100  
166 139.4 103.4 155.2  
129 96.6 70.8 106.2  
131 96.1 72.5 108.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

Instrument :

MSVOA\_X

ClientSampleId :

RE126D1-20201208

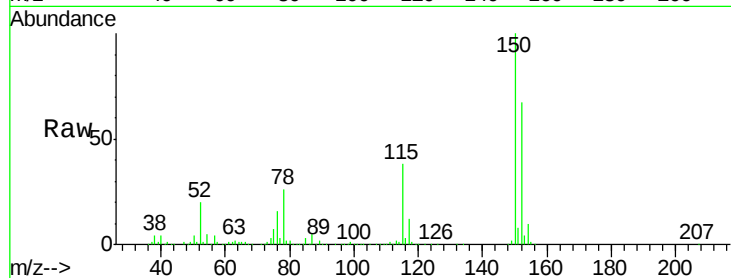
Tot Ion:152 Resp: 215085

Ion Ratio Lower Upper

152 100

115 57.9 41.1 123.3

150 153.8 0.0 349.0



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

