

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040819\  
 Data File : VX008757.D  
 Acq On : 08 Apr 2019 19:57  
 Operator : JC/SP  
 Sample : K2295-18DL 20X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP-0505-190404DL

Quant Time: Apr 09 09:34:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X040319W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 04 04:47:41 2019  
 Response via : Initial Calibration

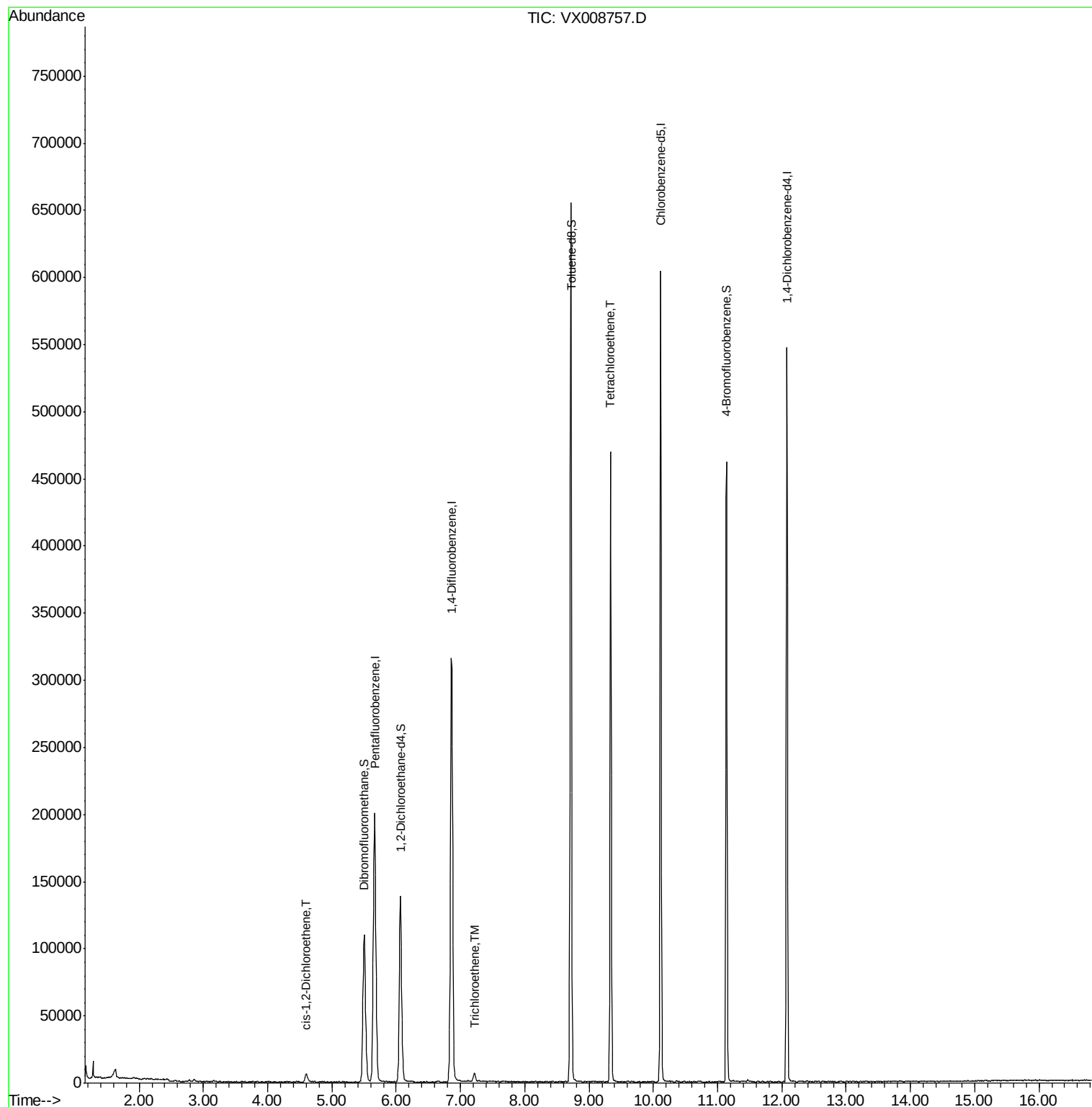
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 188903   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 313133   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 264035   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 106338   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 129008   | 46.82  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.64% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 95513    | 47.71  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.42% |          |
| 50) Toluene-d8              | 8.72  | 98   | 387910   | 48.66  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.32% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 124875   | 44.17  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.34% |          |
| Target Compounds            |       |      |          |        |        |          |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 3459     | 1.274  | ug/l   | 93       |
| 44) Trichloroethene         | 7.22  | 130  | 2597     | 1.093  | ug/l   | 88       |
| 64) Tetrachloroethene       | 9.33  | 164  | 88431    | 45.205 | ug/l   | 99       |

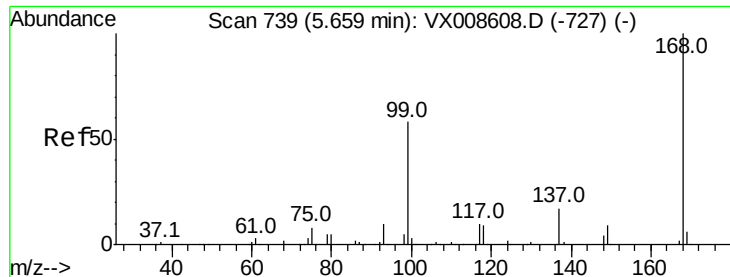
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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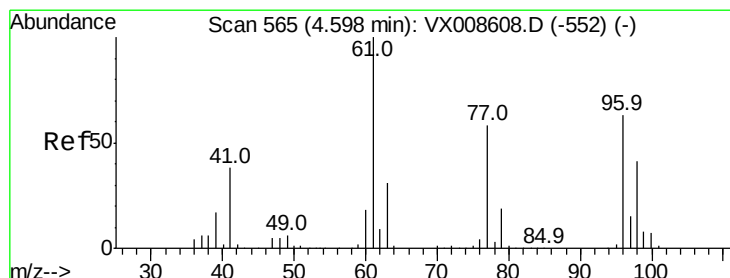
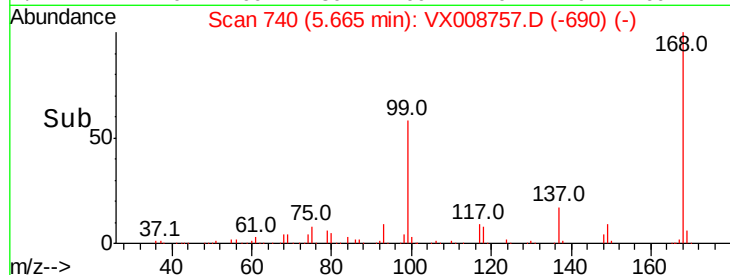
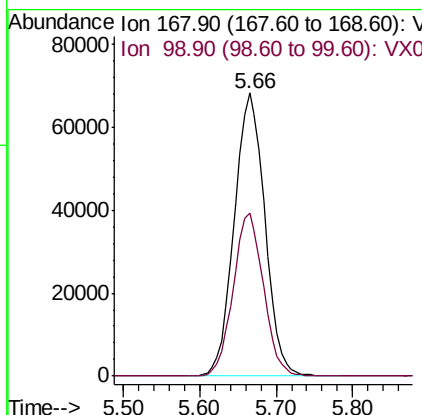
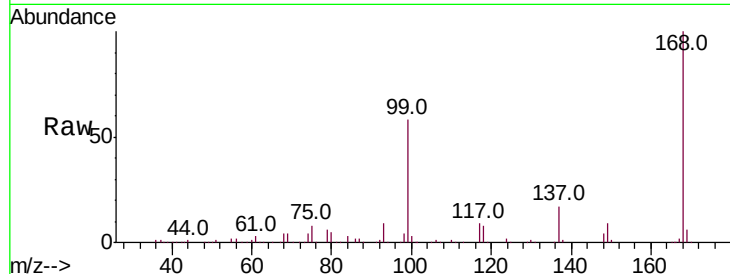




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.66 min Scan# 740  
Delta R.T. 0.01 min  
Lab File: VX008757.D  
Acq: 08 Apr 2019 19:57

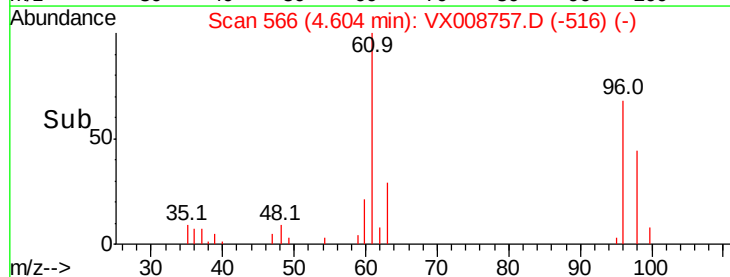
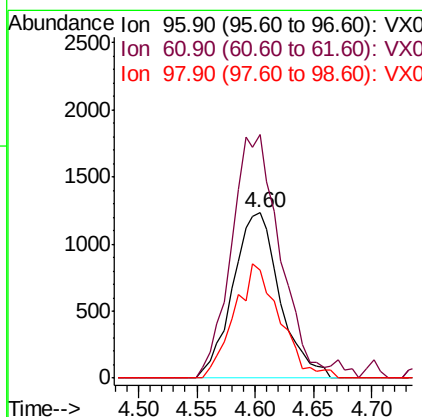
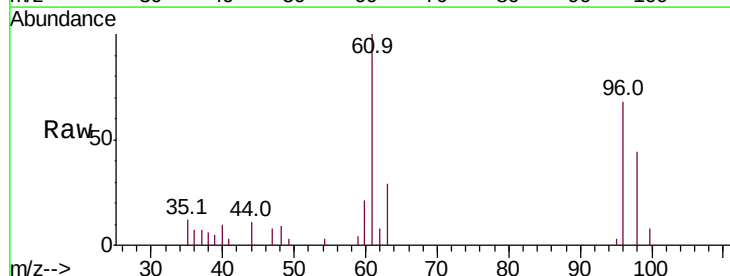
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-0505-190404DL

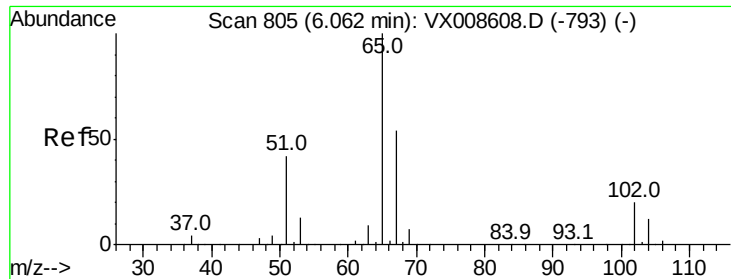
Tot Ion:168 Resp: 188903  
Ion Ratio Lower Upper  
168 100  
99 57.8 46.7 70.1



#27  
cis-1,2-Dichloroethene  
Concen: 1.274 ug/l  
RT: 4.60 min Scan# 566  
Delta R.T. 0.01 min  
Lab File: VX008757.D  
Acq: 08 Apr 2019 19:57

Tgt Ion: 96 Resp: 3459  
Ion Ratio Lower Upper  
96 100  
61 151.7 0.0 327.6  
98 67.0 0.0 128.6





#33

1,2-Dichloroethane-d4

Concen: 46.822 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX008757.D

Acq: 08 Apr 2019 19:57

Instrument :

MSVOA\_X

ClientSampleId :

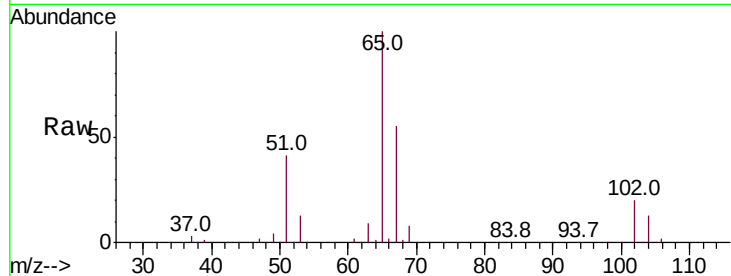
DUP-0505-190404DL

Tot Ion: 65 Resp: 129008

Ion Ratio Lower Upper

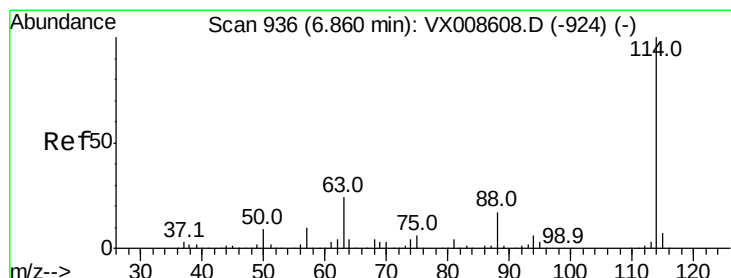
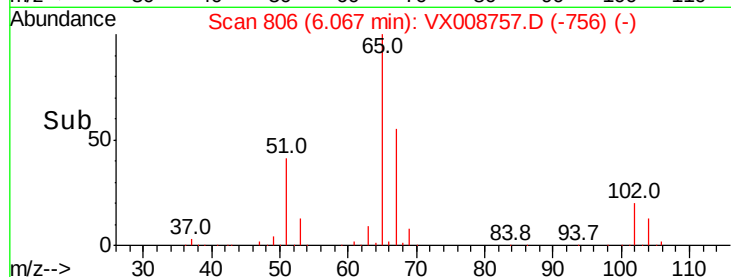
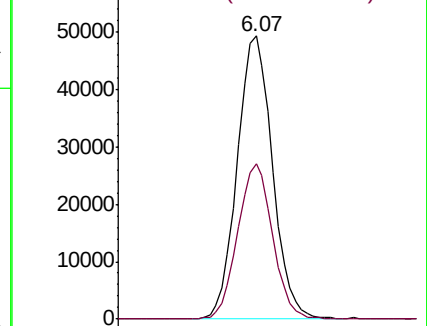
65 100

67 54.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008757.D

Acq: 08 Apr 2019 19:57

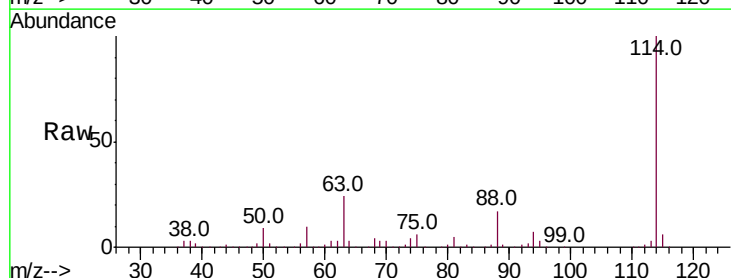
Tgt Ion:114 Resp: 313133

Ion Ratio Lower Upper

114 100

63 23.9 0.0 47.2

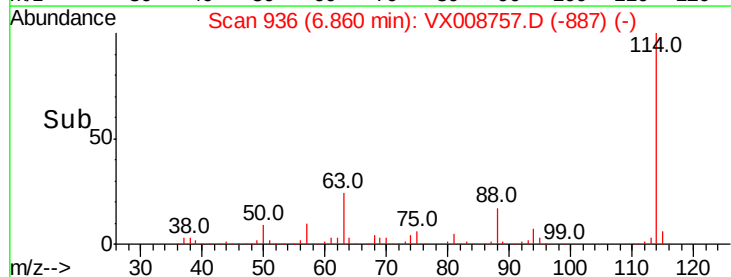
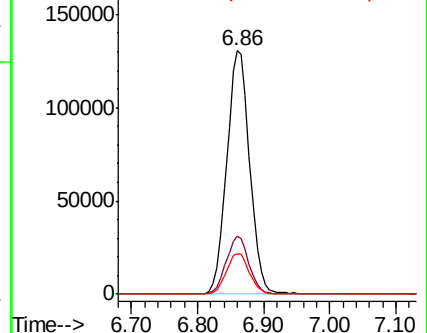
88 16.6 0.0 34.0

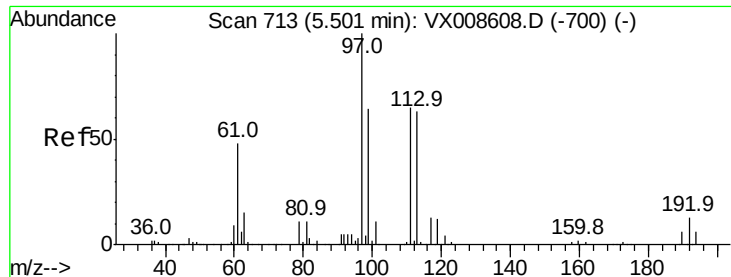


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.708 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008757.D

Acq: 08 Apr 2019 19:57

Instrument :

MSVOA\_X

ClientSampleId :

DUP-0505-190404DL

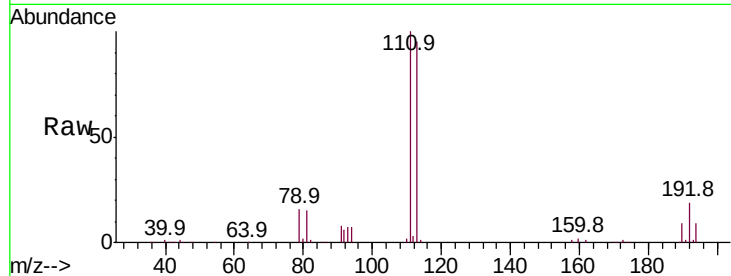
Tot Ion:113 Resp: 95513

Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.2

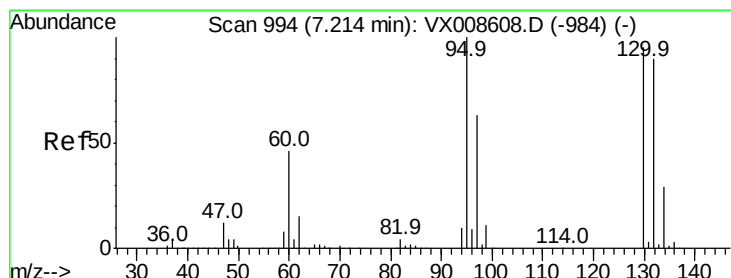
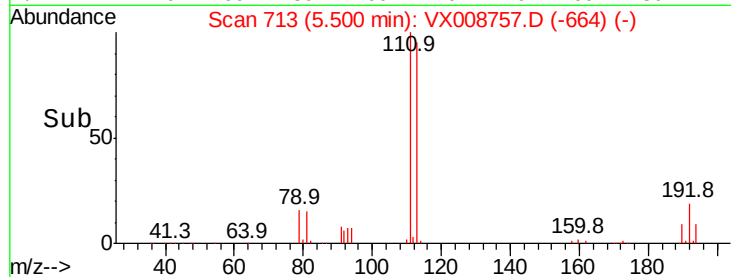
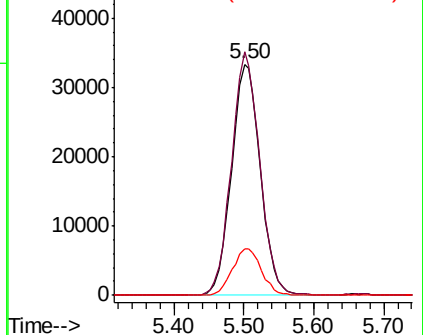
192 20.4 16.1 24.1



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: 1.093 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008757.D

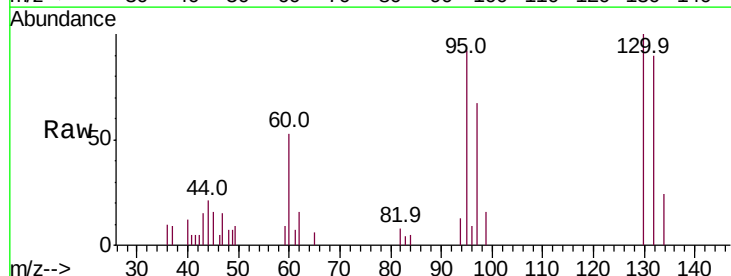
Acq: 08 Apr 2019 19:57

Tgt Ion:130 Resp: 2597

Ion Ratio Lower Upper

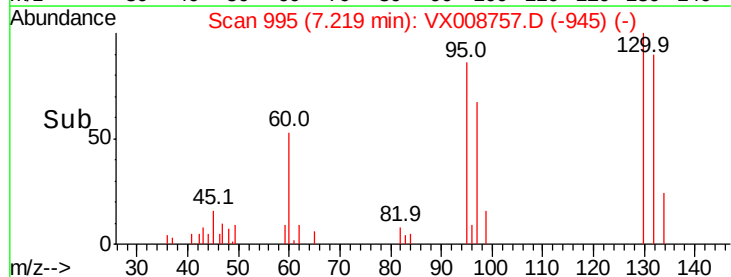
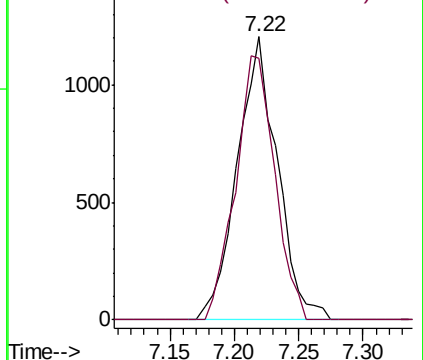
130 100

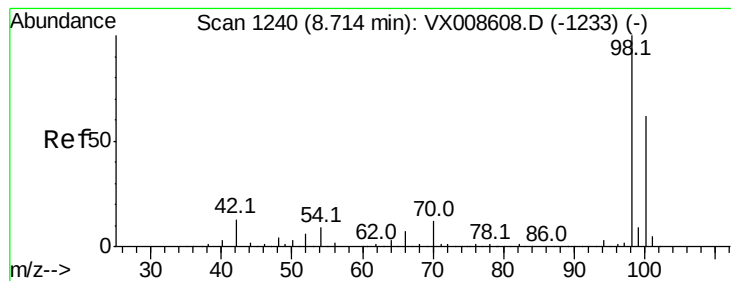
95 92.4 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 48.661 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX008757.D

Acq: 08 Apr 2019 19:57

Instrument :

MSVOA\_X

ClientSampleId :

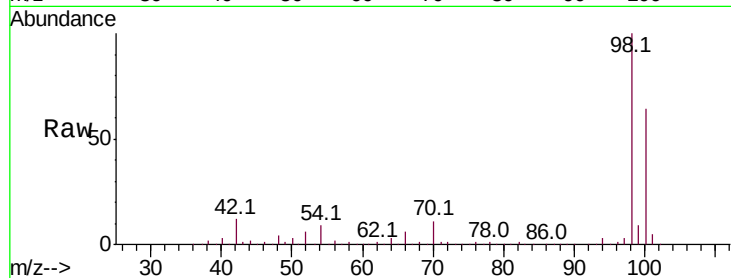
DUP-0505-190404DL

Tot Ion: 98 Resp: 387910

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

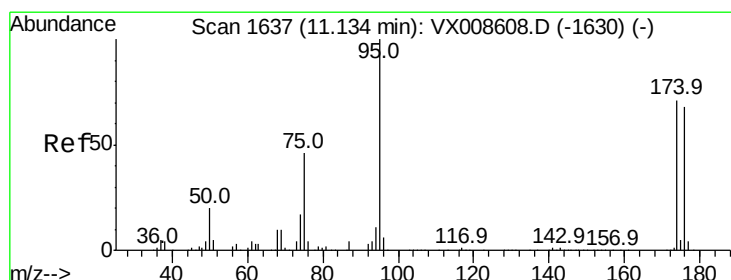
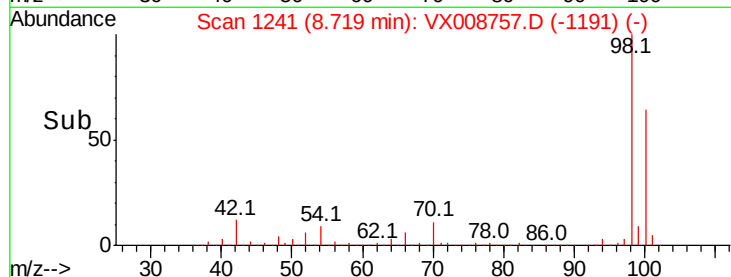
100000

50000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 44.174 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX008757.D

Acq: 08 Apr 2019 19:57

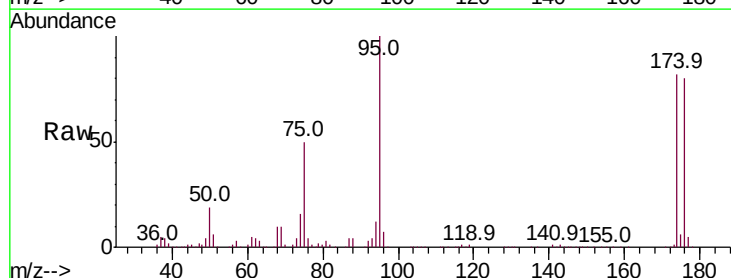
Tgt Ion: 95 Resp: 124875

Ion Ratio Lower Upper

95 100

174 77.4 0.0 151.8

176 74.8 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

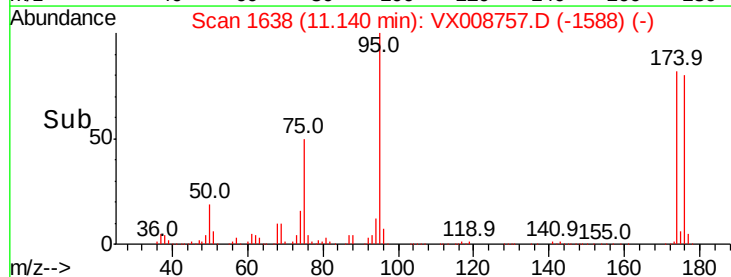
40000

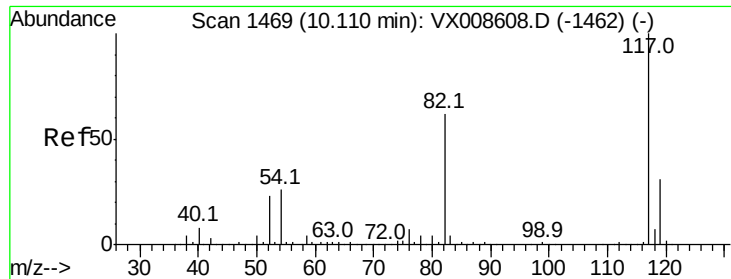
20000

0

11.10 11.20

Time-->

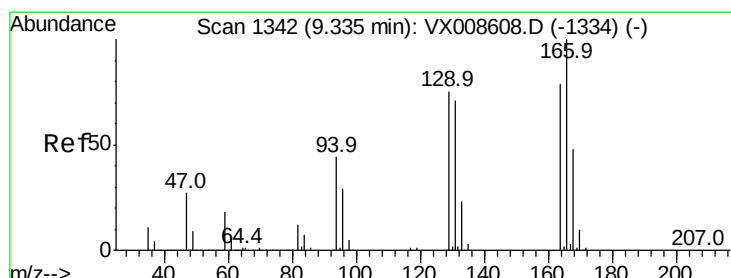
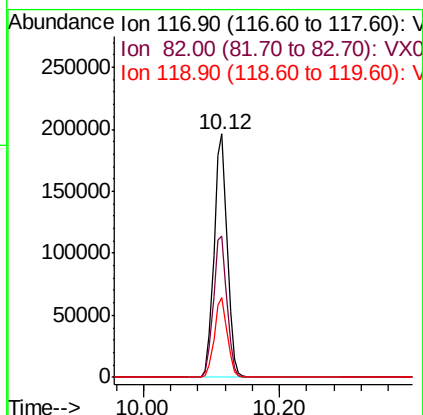
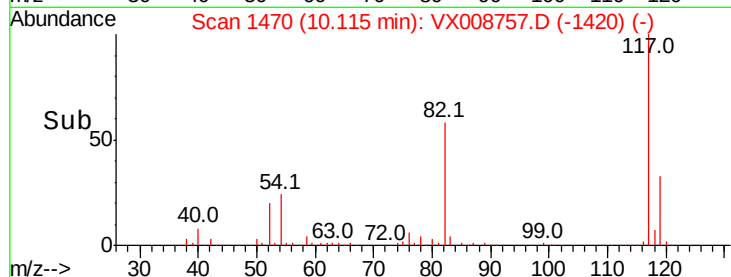
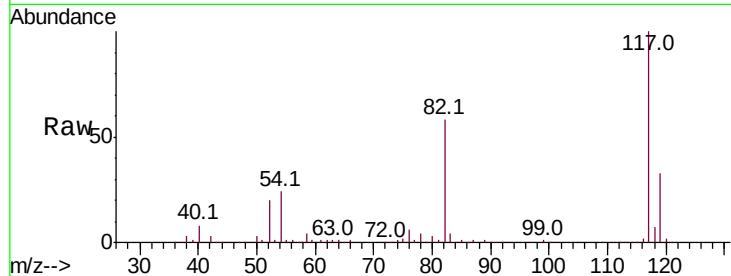




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX008757.D  
Acq: 08 Apr 2019 19:57

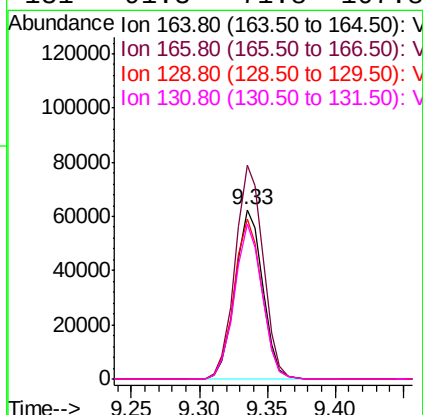
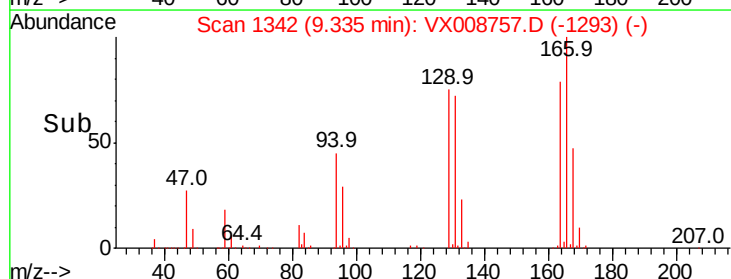
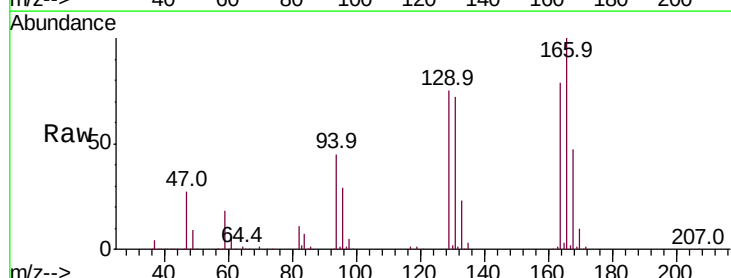
Instrument :  
MSVOA\_X  
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DUP-0505-190404DL

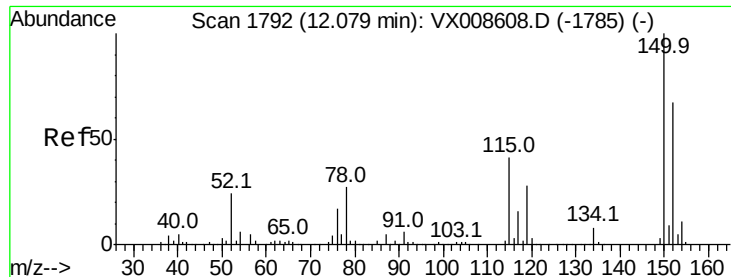
Tot Ion:117 Resp: 264035  
Ion Ratio Lower Upper  
117 100  
82 58.2 49.6 74.4  
119 32.7 25.0 37.4



#64  
Tetrachloroethene  
Concen: 45.205 ug/l  
RT: 9.33 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX008757.D  
Acq: 08 Apr 2019 19:57

Tgt Ion:164 Resp: 88431  
Ion Ratio Lower Upper  
164 100  
166 126.4 101.0 151.6  
129 94.3 75.8 113.8  
131 91.3 71.8 107.8

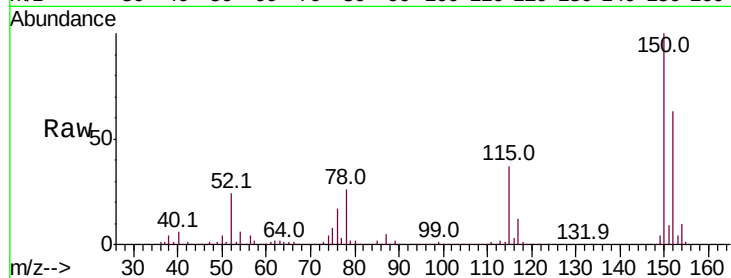




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX008757.D  
 Acq: 08 Apr 2019 19:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP-0505-190404DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.4  | 43.5  | 130.5 |
| 150     | 158.2 | 0.0   | 348.8 |



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

