

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\  
 Data File : VX016807.D  
 Acq On : 17 Jun 2020 03:12  
 Operator : JC/SP  
 Sample : L2984-05DL 100X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S49-0565DL

Quant Time: Jun 17 07:08:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061520W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 16 02:02:35 2020  
 Response via : Initial Calibration

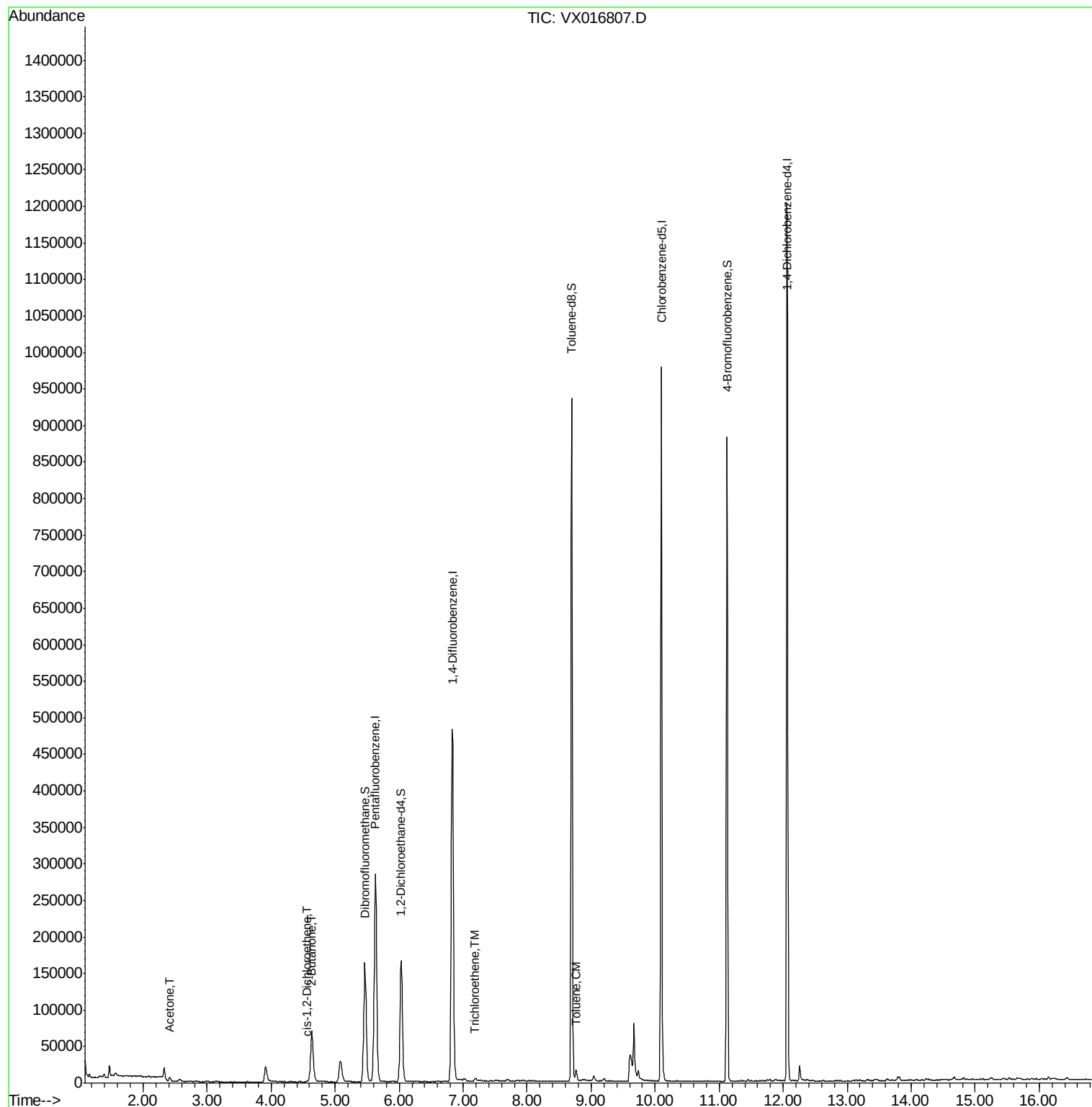
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 289468   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.83  | 114  | 506771   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 471527   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 264379   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 159140   | 48.88  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.76%  |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 139253   | 44.54  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.08%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 553934   | 48.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.10%  |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 231155   | 52.42  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.84% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.42  | 43   | 5463     | 3.699  | ug/l    | 97       |
| 25) 2-Butanone              | 4.64  | 43   | 106398   | 47.801 | ug/l    | 100      |
| 27) cis-1,2-Dichloroethene  | 4.56  | 96   | 1318     | 0.379  | ug/l    | 53       |
| 44) Trichloroethene         | 7.18  | 130  | 1909     | 0.453  | ug/l    | 96       |
| 52) Toluene                 | 8.77  | 92   | 3245     | 0.366  | ug/l    | 91       |

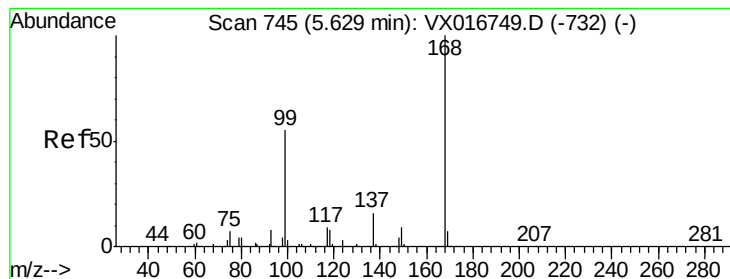
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061620\  
Data File : VX016807.D  
Acq On : 17 Jun 2020 03:12  
Operator : JC/SP  
Sample : L2984-05DL 100X  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
S49-0565DL

Quant Time: Jun 17 07:08:17 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061520W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 16 02:02:35 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

Instrument :

MSVOA\_X

ClientSampleId :

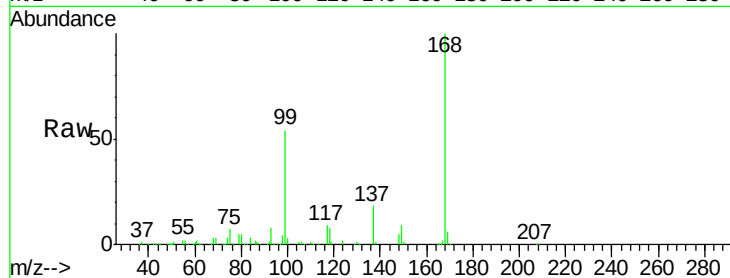
S49-0565DL

Tot Ion:168 Resp: 289468

Ion Ratio Lower Upper

168 100

99 53.8 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

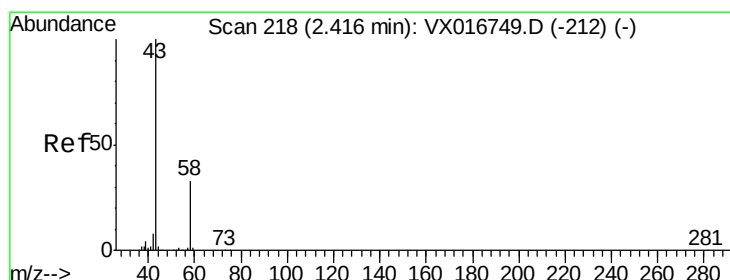
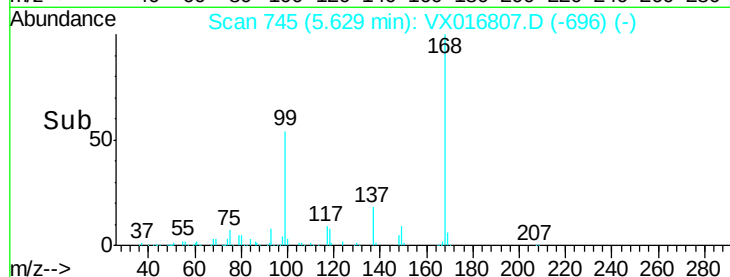
40000

20000

0

5.50 5.60 5.70

Time-->



#16

Acetone

Concen: 3.699 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016807.D

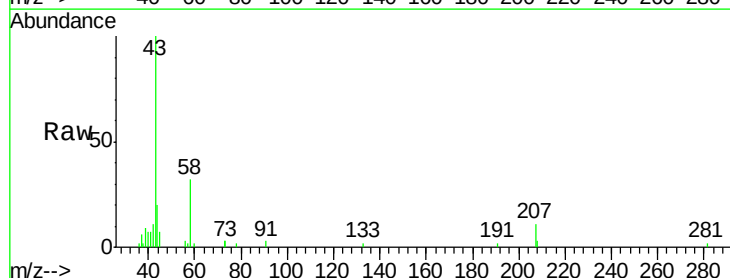
Acq: 17 Jun 2020 03:12

Tgt Ion: 43 Resp: 5463

Ion Ratio Lower Upper

43 100

58 31.2 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8000

6000

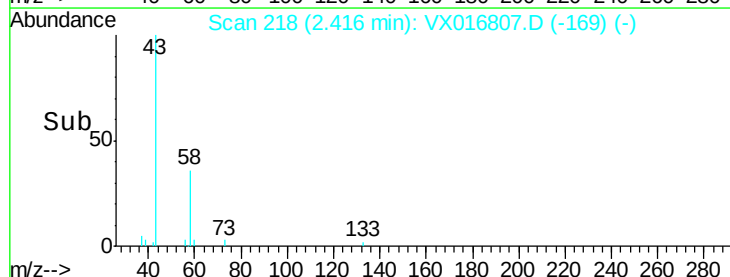
4000

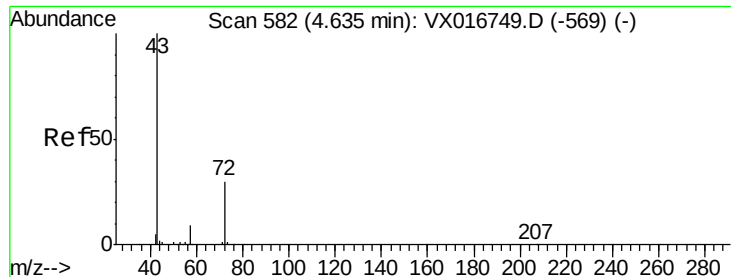
2000

0

2.35 2.40 2.45 2.50

Time-->





#25

2-Butanone

Concen: 47.801 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

Instrument :

MSVOA\_X

ClientSampled :

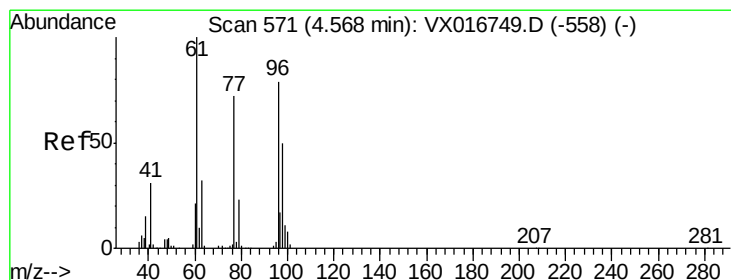
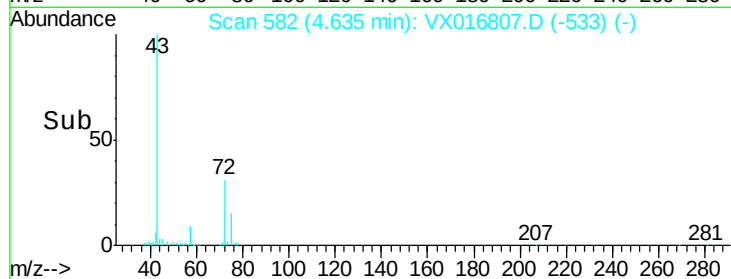
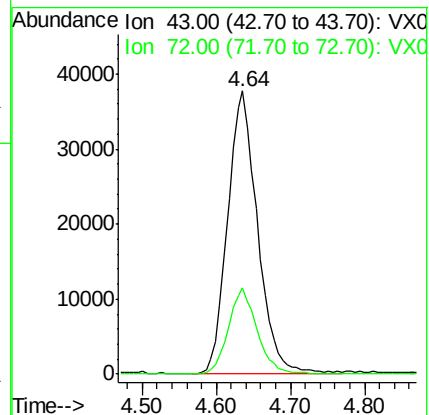
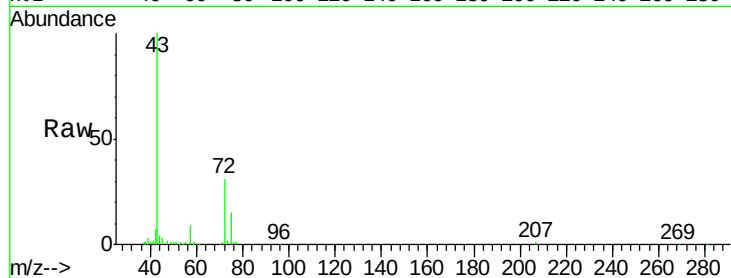
S49-0565DL

Tot Ion: 43 Resp: 106398

Ion Ratio Lower Upper

43 100

72 30.5 24.2 36.4



#27

cis-1,2-Dichloroethene

Concen: 0.379 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

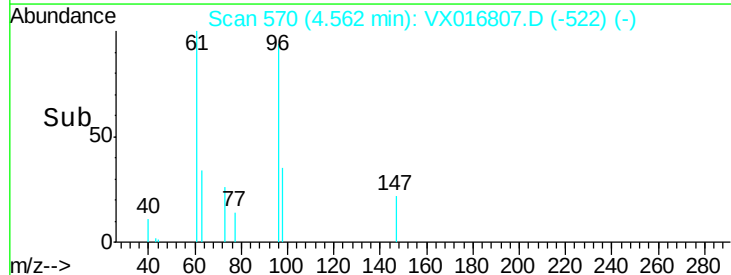
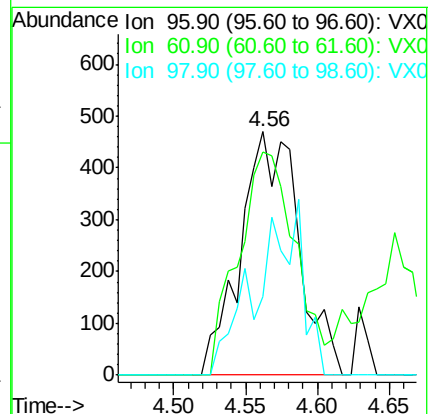
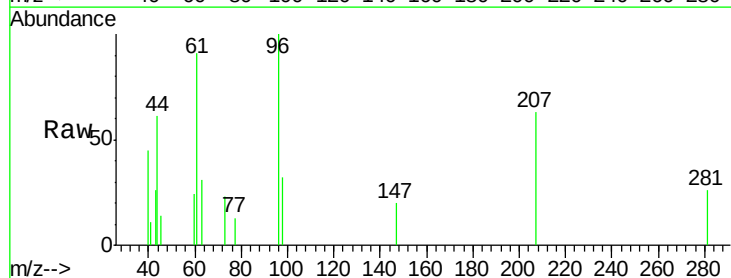
Tgt Ion: 96 Resp: 1318

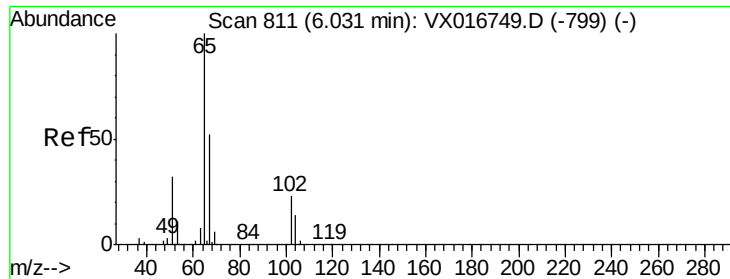
Ion Ratio Lower Upper

96 100

61 89.6 0.0 276.2

98 16.3 0.0 130.0

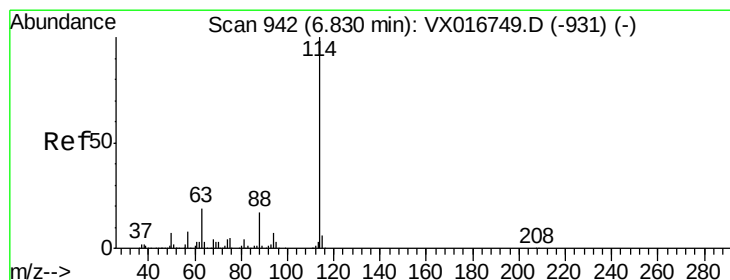
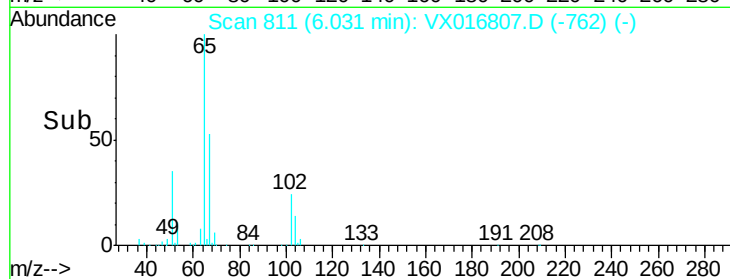
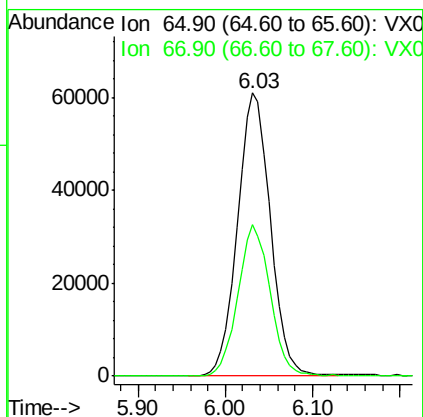
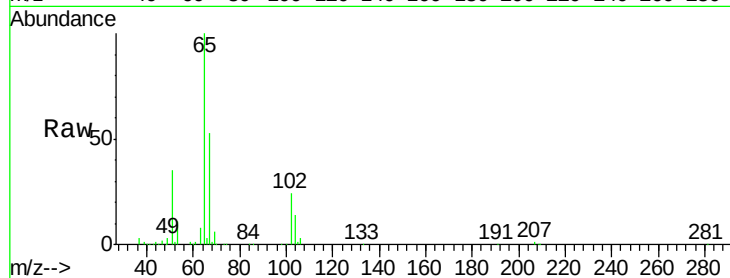




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.880 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. 0.00 min  
 Lab File: VX016807.D  
 Acq: 17 Jun 2020 03:12

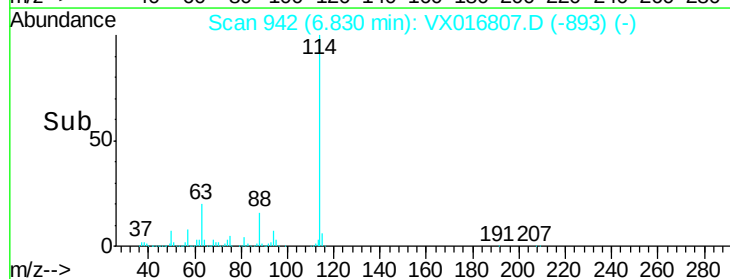
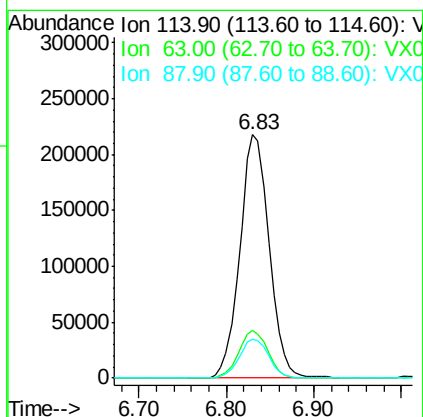
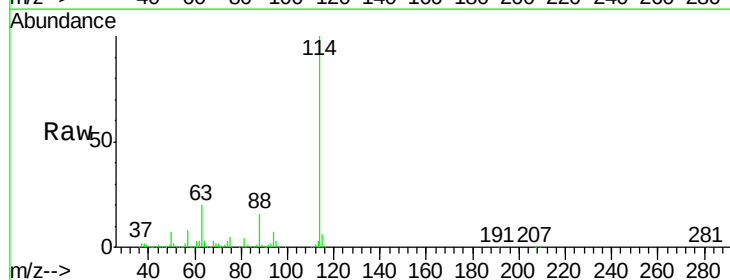
Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 S49-0565DL

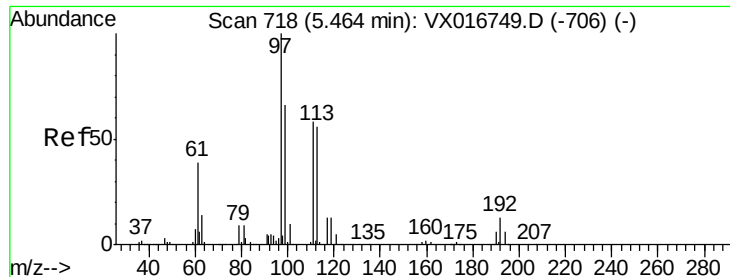
Tot Ion: 65 Resp: 159140  
 Ion Ratio Lower Upper  
 65 100  
 67 52.4 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. -0.00 min  
 Lab File: VX016807.D  
 Acq: 17 Jun 2020 03:12

Tgt Ion: 114 Resp: 506771  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 38.8  
 88 15.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 44.537 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

Instrument :

MSVOA\_X

ClientSampleId :

S49-0565DL

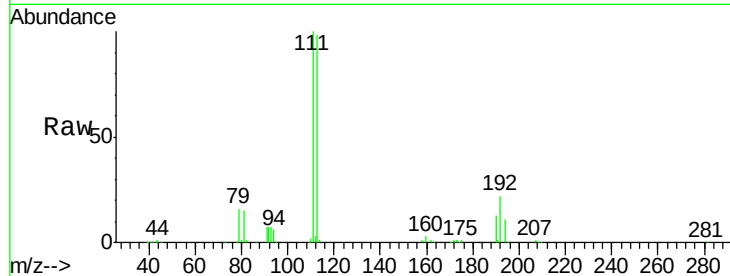
Tot Ion:113 Resp: 139253

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.6

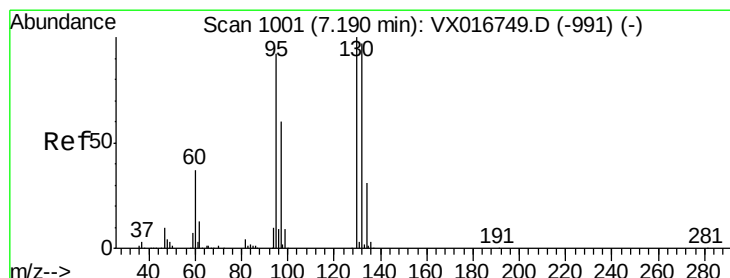
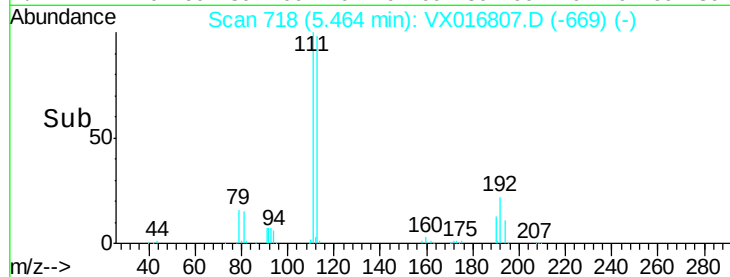
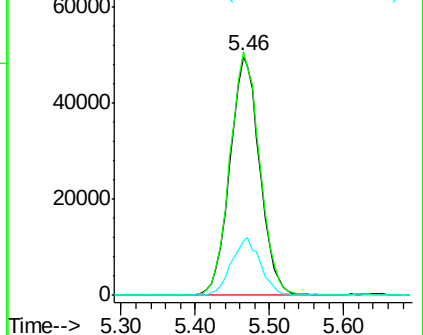
192 23.5 18.2 27.4



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: 0.453 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX016807.D

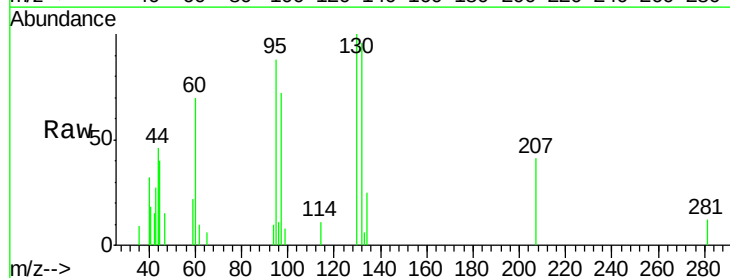
Acq: 17 Jun 2020 03:12

Tgt Ion:130 Resp: 1909

Ion Ratio Lower Upper

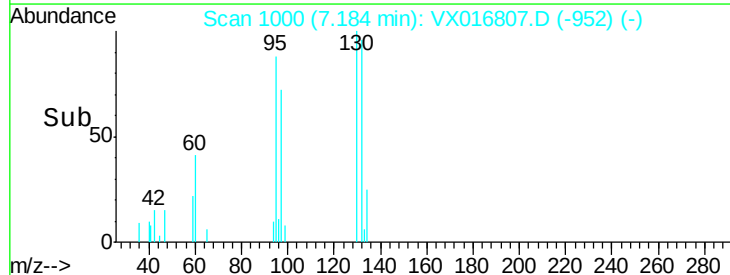
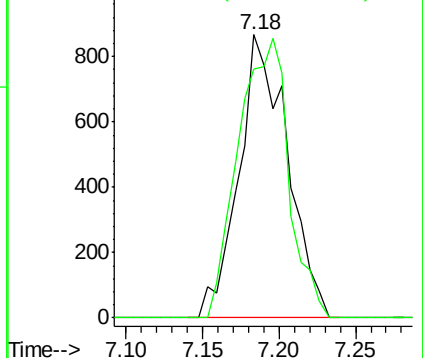
130 100

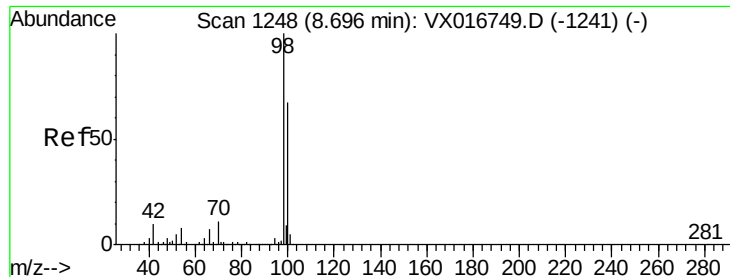
95 88.0 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

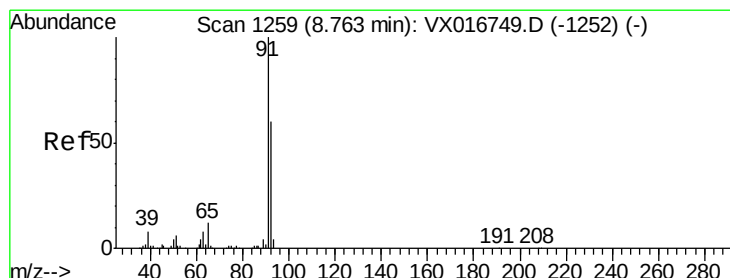
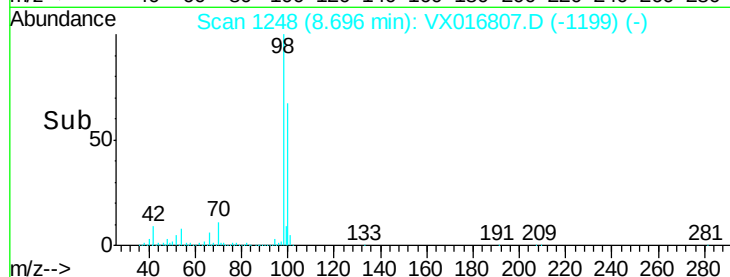
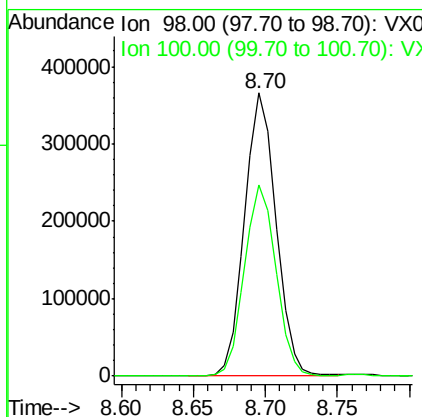
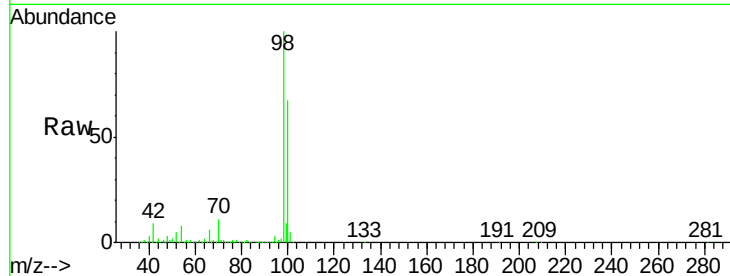




#50  
Toluene-d8  
Concen: 48.047 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. -0.00 min  
Lab File: VX016807.D  
Acq: 17 Jun 2020 03:12

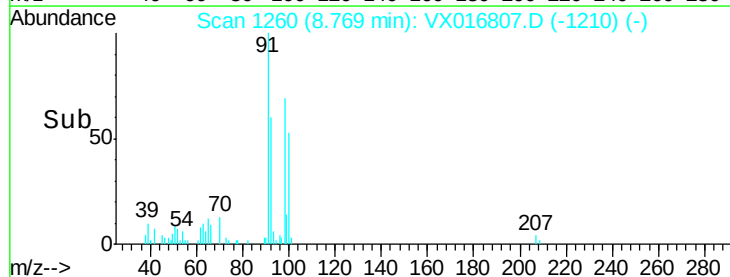
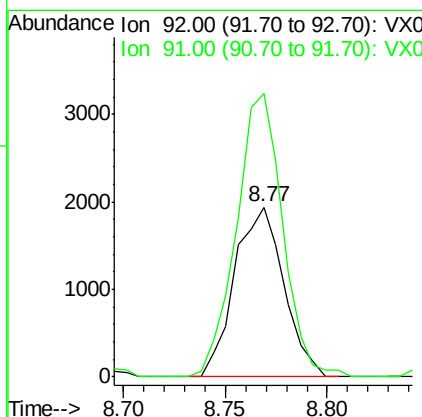
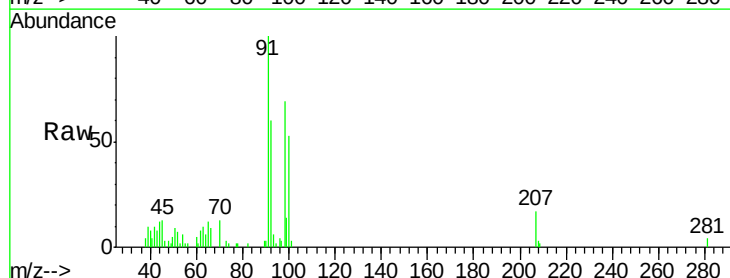
Instrument :  
MSVOA\_X  
ClientSampled :  
S49-0565DL

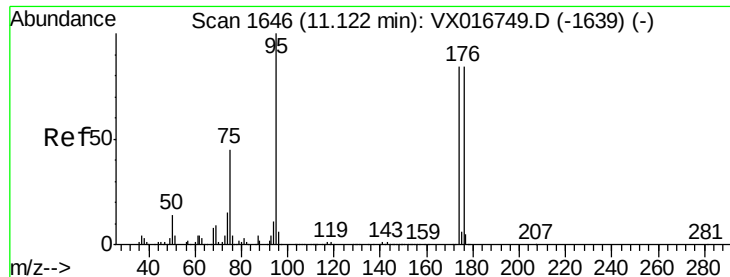
Tot Ion: 98 Resp: 553934  
Ion Ratio Lower Upper  
98 100  
100 67.7 53.9 80.9



#52  
Toluene  
Concen: 0.366 ug/l  
RT: 8.77 min Scan# 1260  
Delta R.T. 0.01 min  
Lab File: VX016807.D  
Acq: 17 Jun 2020 03:12

Tgt Ion: 92 Resp: 3245  
Ion Ratio Lower Upper  
92 100  
91 157.7 136.1 204.1





#62

4-Bromofluorobenzene

Concen: 52.418 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

Instrument :

MSVOA\_X

ClientSampleId :

S49-0565DL

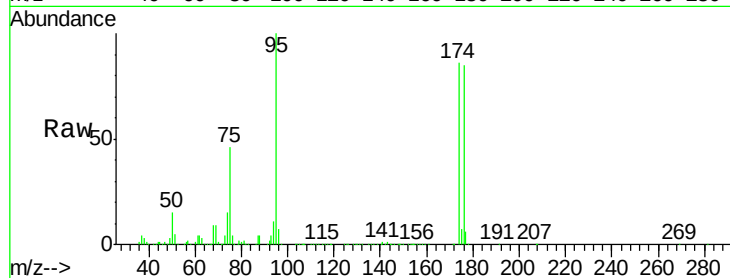
Tot Ion: 95 Resp: 231155

Ion Ratio Lower Upper

95 100

174 87.1 0.0 171.0

176 85.7 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VX016807.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016807.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016807.D (-1597) (-)

250000

200000

150000

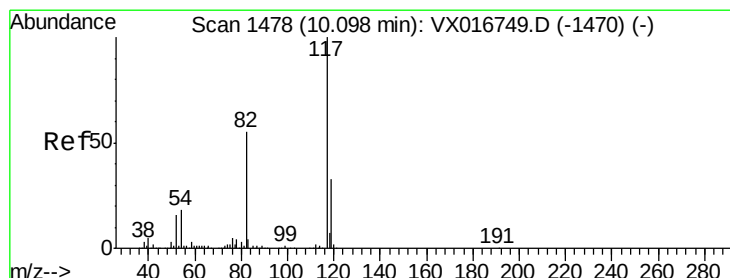
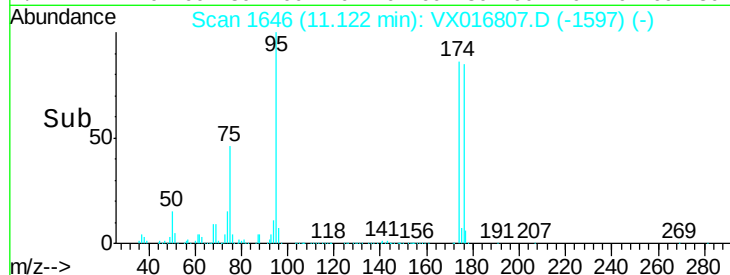
100000

50000

0

11.10 11.12 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

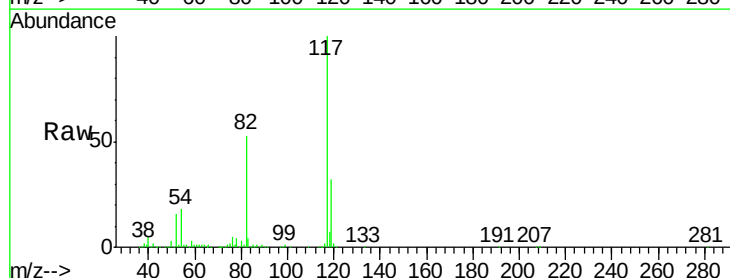
Tgt Ion: 117 Resp: 471527

Ion Ratio Lower Upper

117 100

82 52.8 43.8 65.6

119 32.3 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VX016807.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016807.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016807.D (-1429) (-)

400000

300000

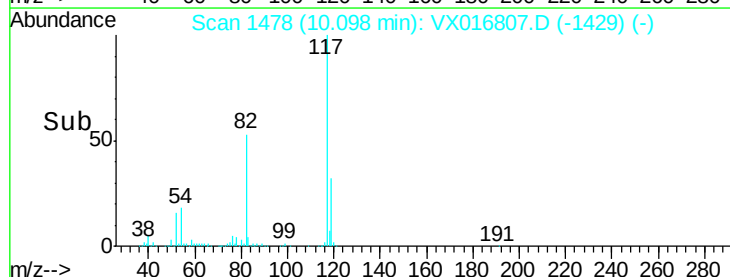
200000

100000

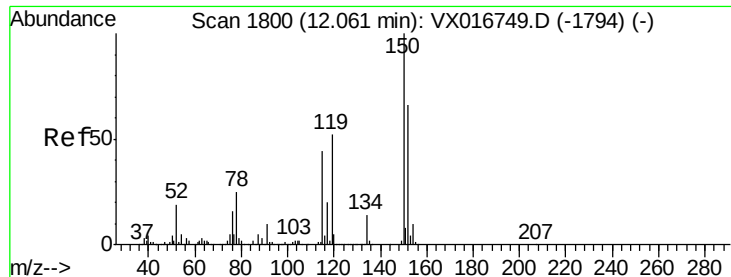
0

10.00 10.10 10.20

Time-->







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

Instrument :

MSVOA\_X

ClientSampleId :

S49-0565DL

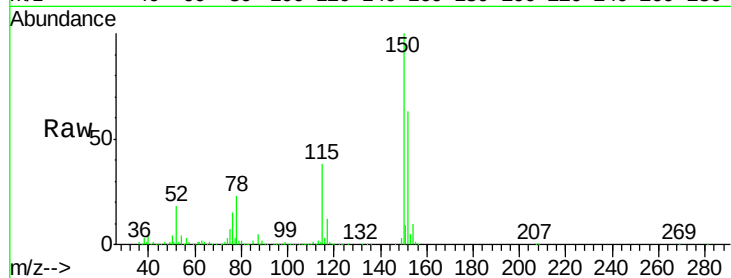
Tot Ion:152 Resp: 264379

Ion Ratio Lower Upper

152 100

115 57.8 40.3 120.8

150 158.3 0.0 337.4



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

