

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090718\  
 Data File : VX004435.D  
 Acq On : 08 Sep 2018 04:32  
 Operator : JC/MD  
 Sample : J4809-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MS-SLUDGE-V24129

Quant Time: Sep 08 06:01:45 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 05:39:44 2018  
 Response via : Initial Calibration

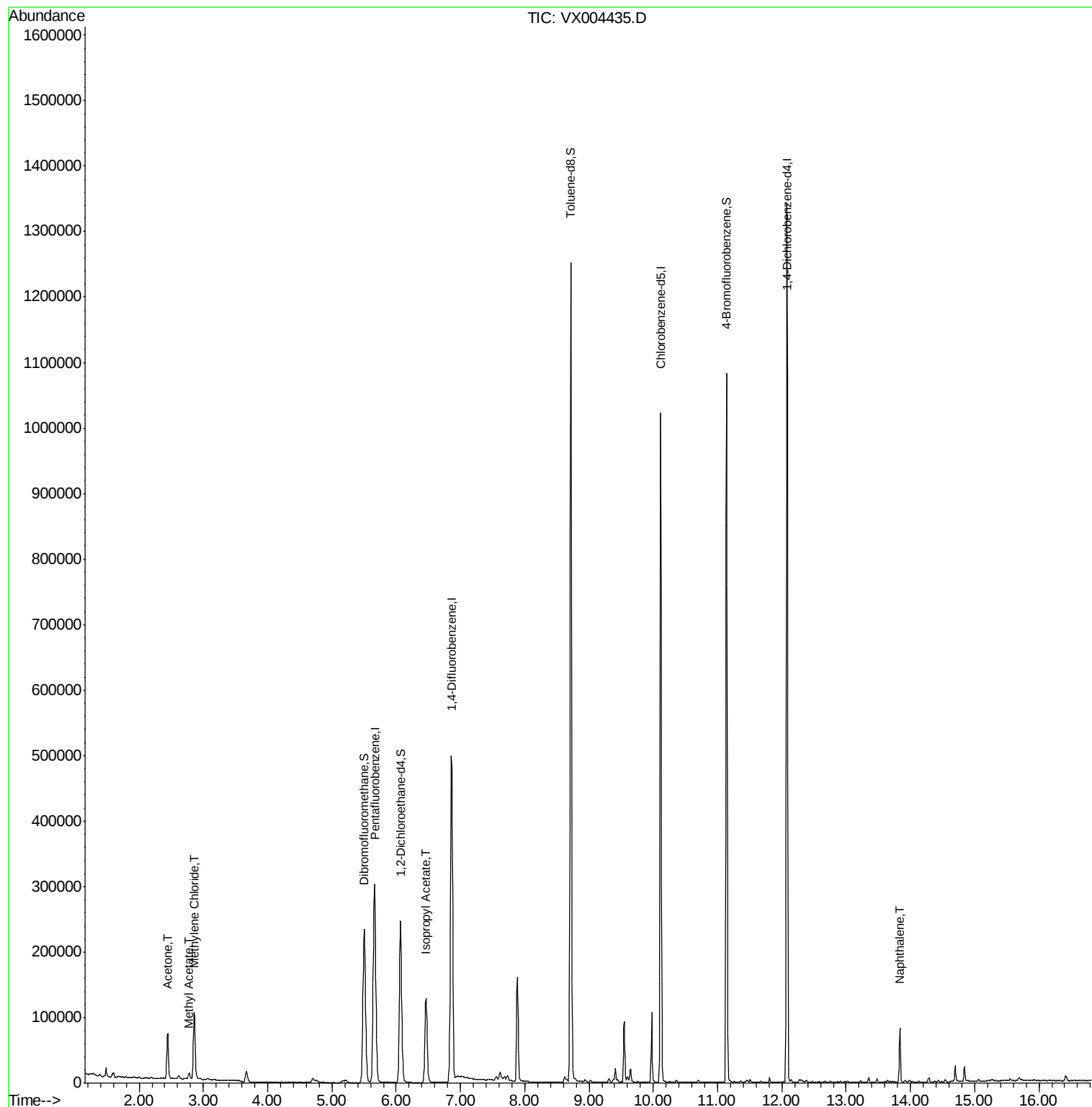
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 318294   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 525467   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 474107   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 285802   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 224067   | 54.01 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.02% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 199205   | 50.96 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.92% |          |
| 50) Toluene-d8              | 8.71  | 98   | 755142   | 51.18 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.36% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 269819   | 49.01 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.02%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.45  | 43   | 74392    | 37.05 | ug/l    | 98       |
| 18) Methyl Acetate          | 2.78  | 43   | 12000    | 1.95  | ug/l    | 98       |
| 20) Methylene Chloride      | 2.85  | 84   | 49384    | 12.37 | ug/l    | 98       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 165127   | 18.50 | ug/l    | 99       |
| 95) Naphthalene             | 13.83 | 128  | 52128    | 2.80  | ug/l    | 99       |

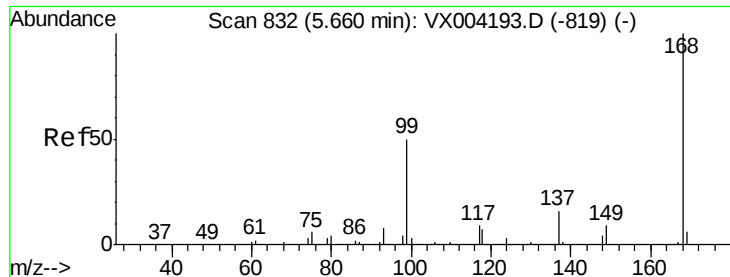
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 23 05:39:44 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004435.D

Acq: 08 Sep 2018 04:32

Instrument :

MSVOA\_X

ClientSampleId :

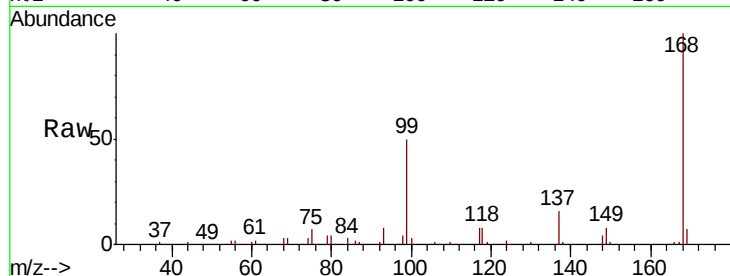
MS-SLUDGE-V24129

Tot Ion:168 Resp: 318294

Ion Ratio Lower Upper

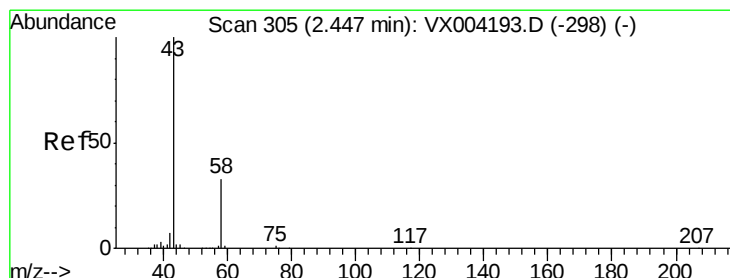
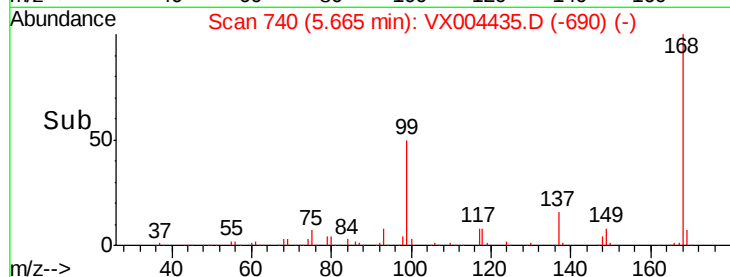
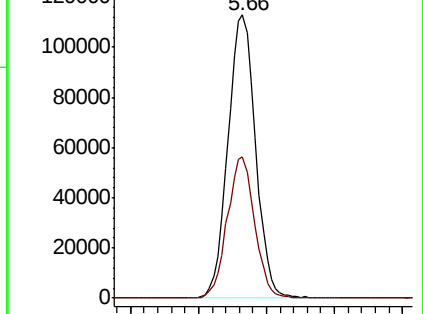
168 100

99 49.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 37.05 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004435.D

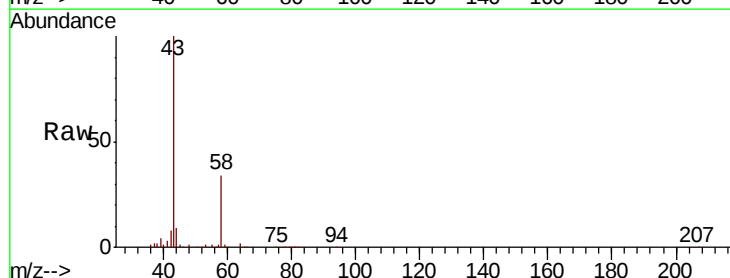
Acq: 08 Sep 2018 04:32

Tgt Ion: 43 Resp: 74392

Ion Ratio Lower Upper

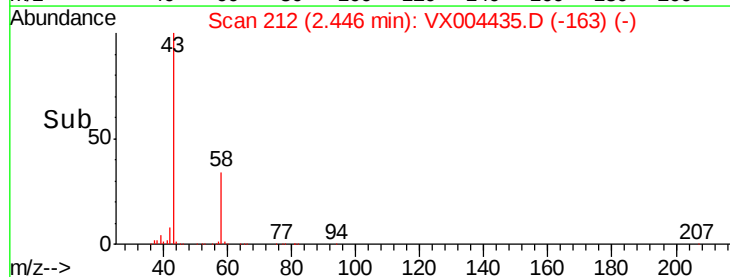
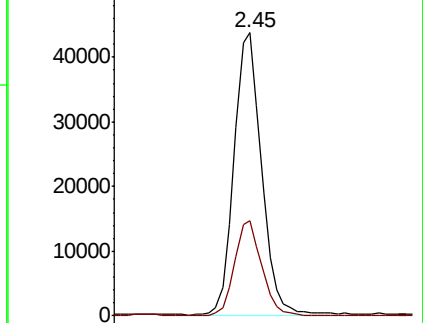
43 100

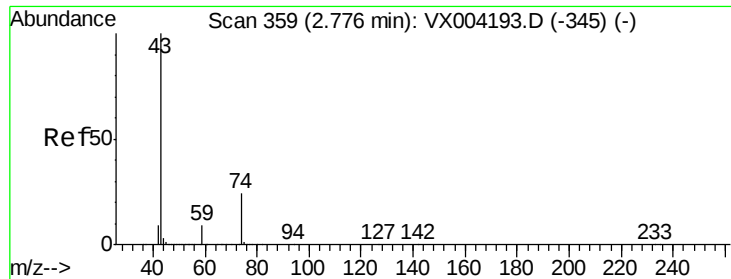
58 33.8 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

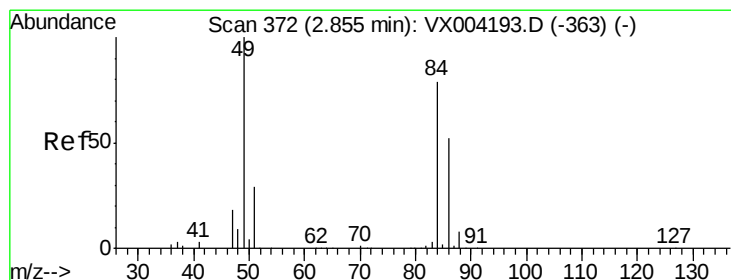
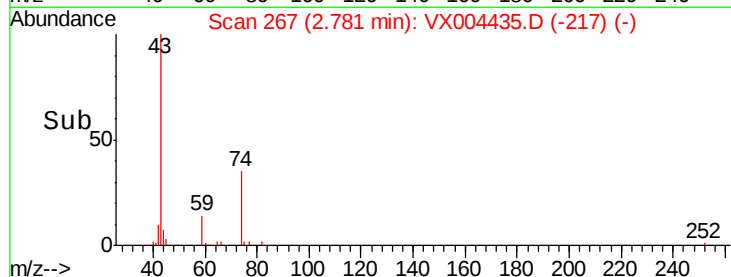
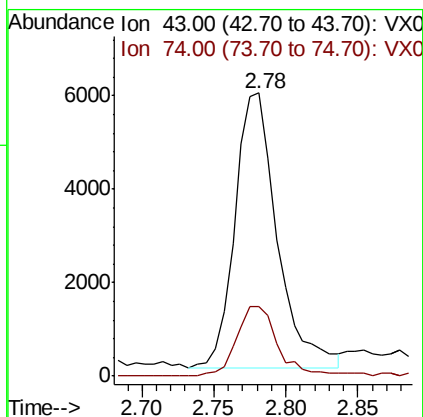
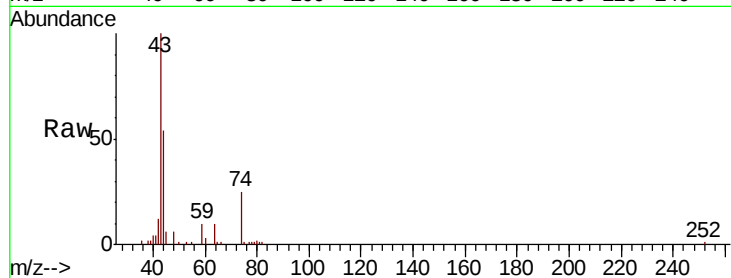




#18  
Methvl Acetate  
Concen: 1.95 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. 0.01 min  
Lab File: VX004435.D  
Acq: 08 Sep 2018 04:32

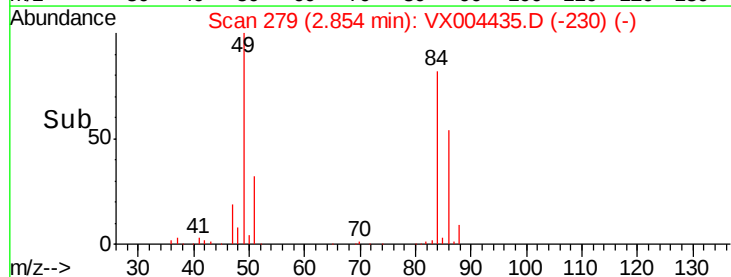
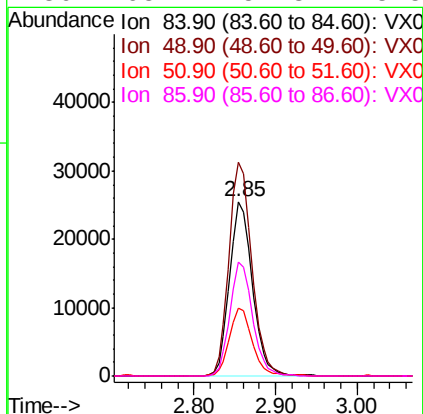
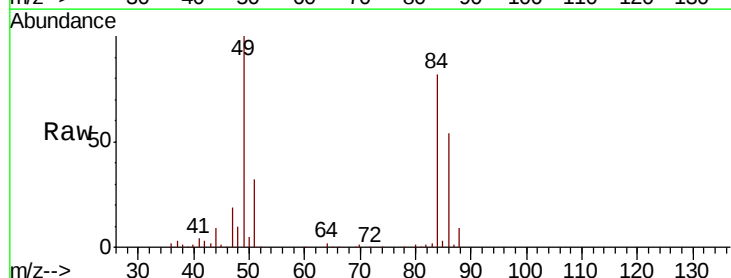
Instrument :  
MSVOA\_X  
ClientSampleId :  
MS-SLUDGE-V24129

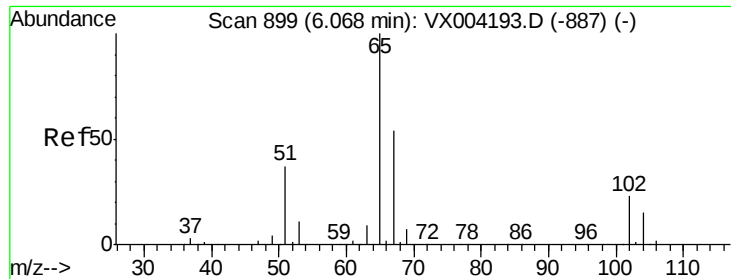
Tot Ion: 43 Resp: 12000  
Ion Ratio Lower Upper  
43 100  
74 25.1 19.4 29.2



#20  
Methylene Chloride  
Concen: 12.37 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.00 min  
Lab File: VX004435.D  
Acq: 08 Sep 2018 04:32

Tgt Ion: 84 Resp: 49384  
Ion Ratio Lower Upper  
84 100  
49 122.6 101.2 151.8  
51 38.6 29.5 44.3  
86 65.7 52.3 78.5

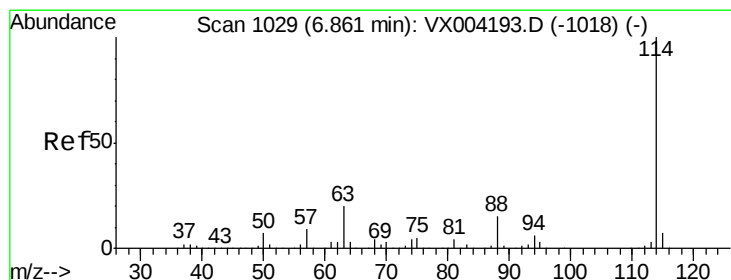
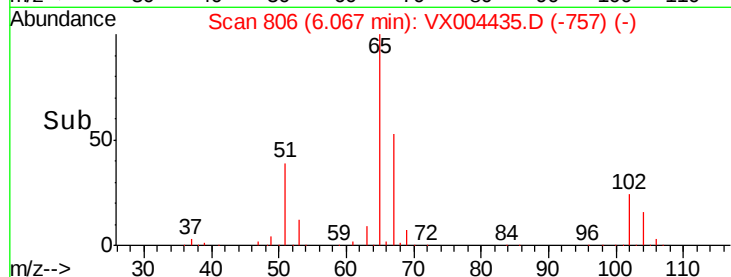
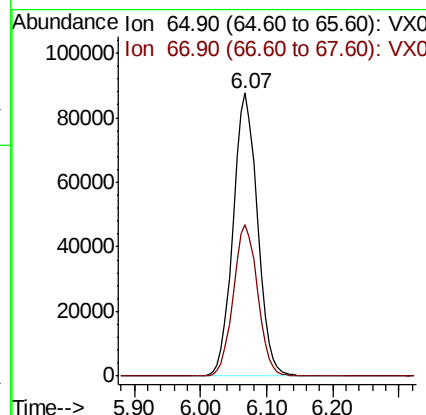
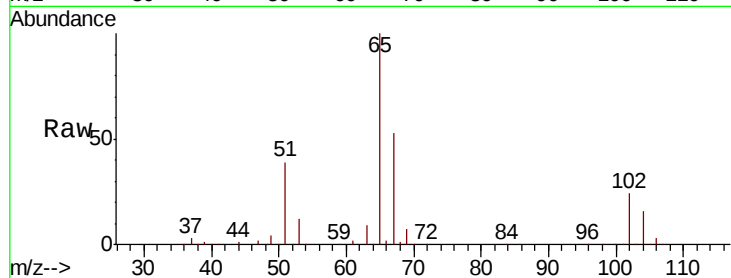




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.01 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX004435.D  
 Acq: 08 Sep 2018 04:32

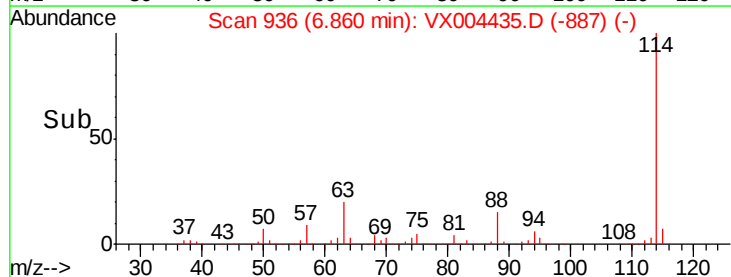
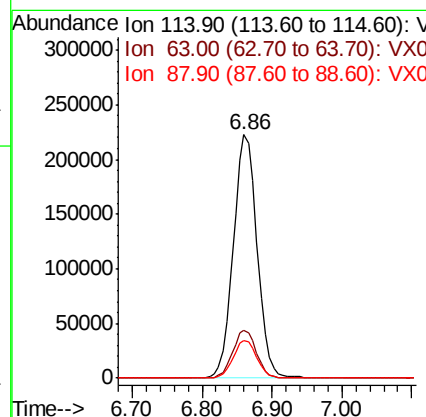
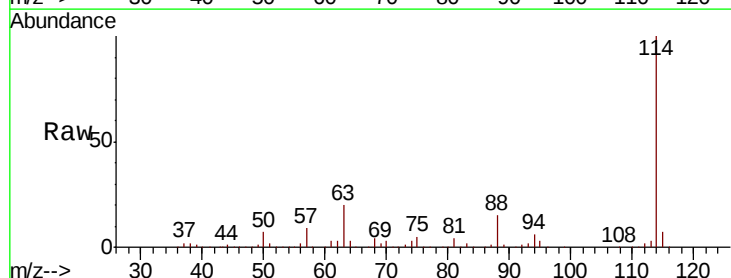
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MS-SLUDGE-V24129

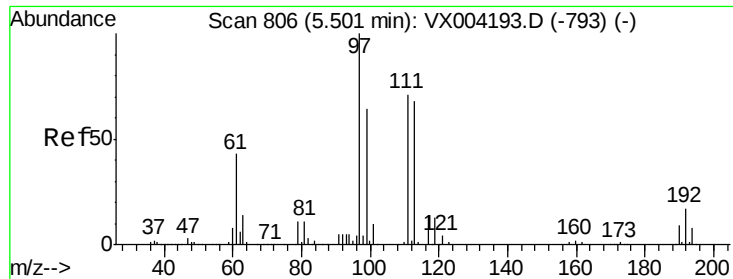
Tot Ion: 65 Resp: 224067  
 Ion Ratio Lower Upper  
 65 100  
 67 53.6 0.0 106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX004435.D  
 Acq: 08 Sep 2018 04:32

Tgt Ion: 114 Resp: 525467  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 39.0  
 88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.96 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004435.D

Acq: 08 Sep 2018 04:32

Instrument :

MSVOA\_X

ClientSampleId :

MS-SLUDGE-V24129

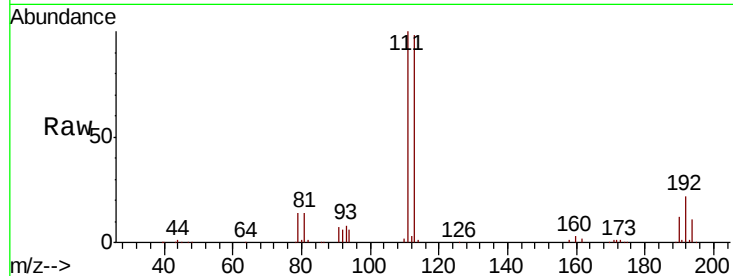
Tot Ion:113 Resp: 199205

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

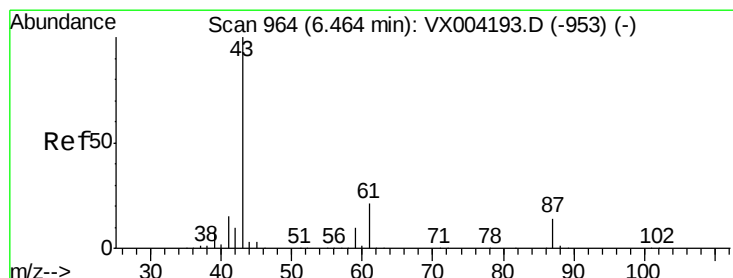
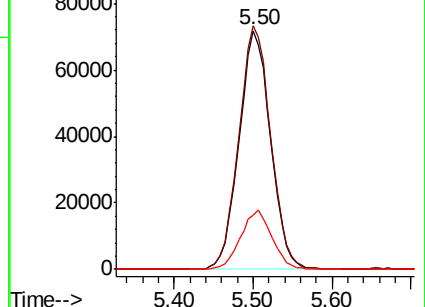
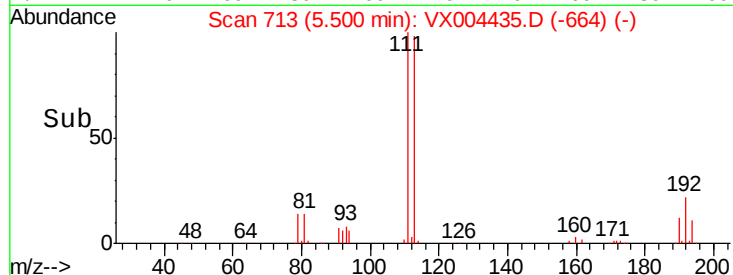
192 24.6 19.4 29.2



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



#43

Isopropyl Acetate

Concen: 18.50 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004435.D

Acq: 08 Sep 2018 04:32

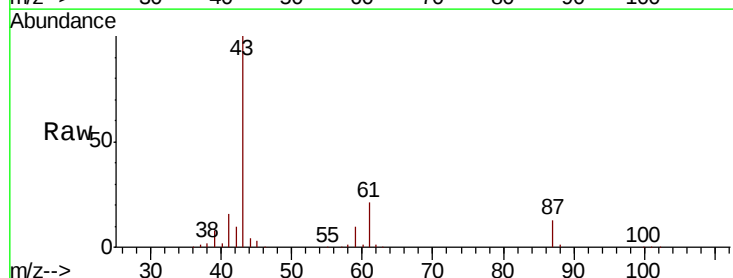
Tgt Ion: 43 Resp: 165127

Ion Ratio Lower Upper

43 100

61 21.4 17.0 25.4

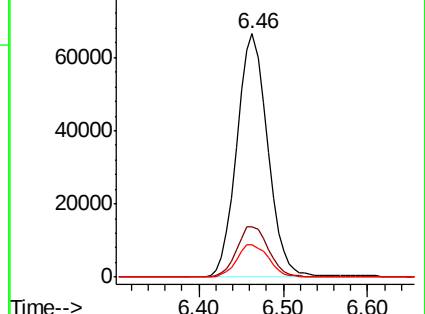
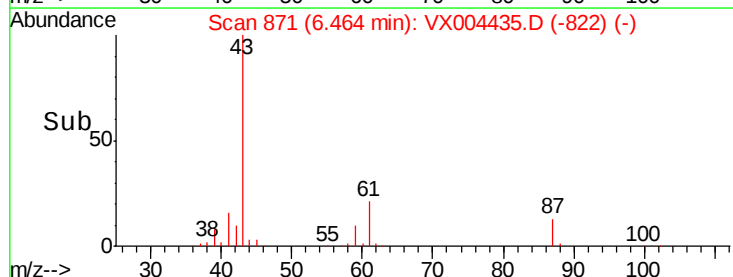
87 13.9 11.4 17.2

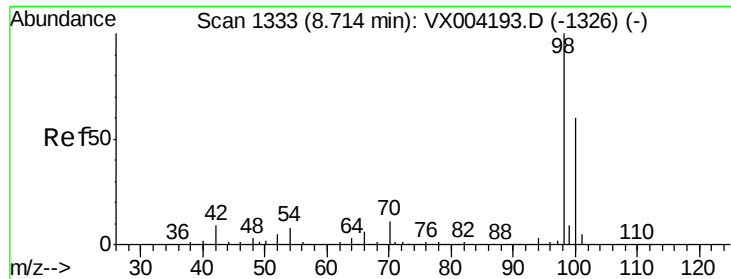


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 51.18 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX004435.D

Acq: 08 Sep 2018 04:32

Instrument :

MSVOA\_X

ClientSampleId :

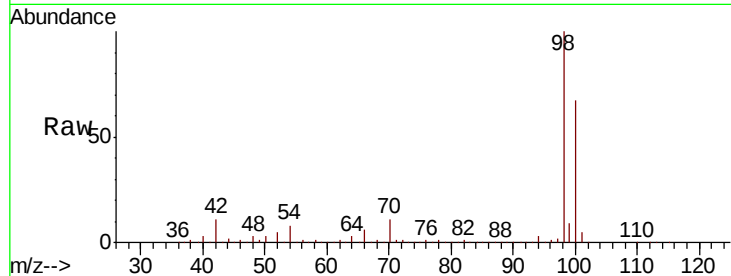
MS-SLUDGE-V24129

Tot Ion: 98 Resp: 755142

Ion Ratio Lower Upper

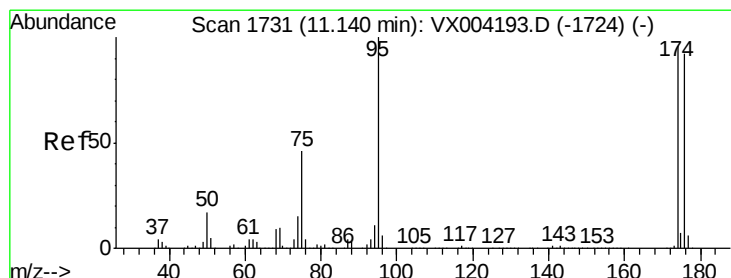
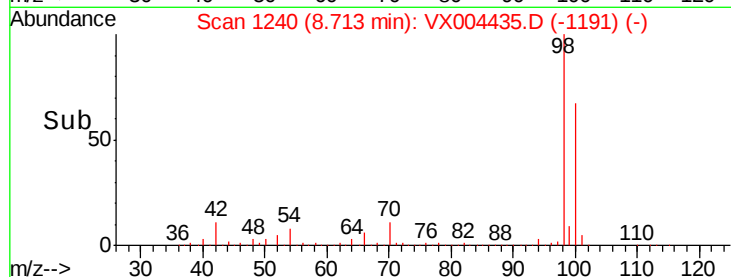
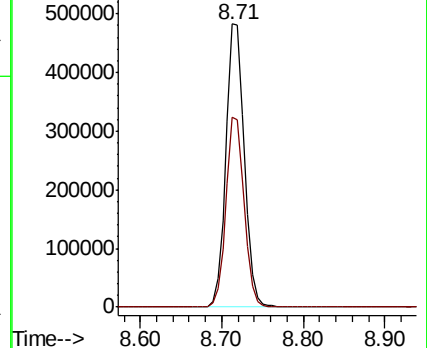
98 100

100 66.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 49.01 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004435.D

Acq: 08 Sep 2018 04:32

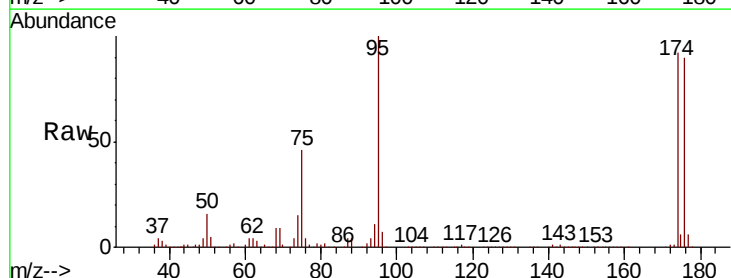
Tgt Ion: 95 Resp: 269819

Ion Ratio Lower Upper

95 100

174 92.9 0.0 185.2

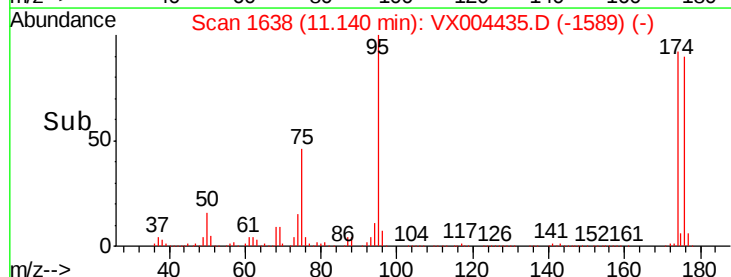
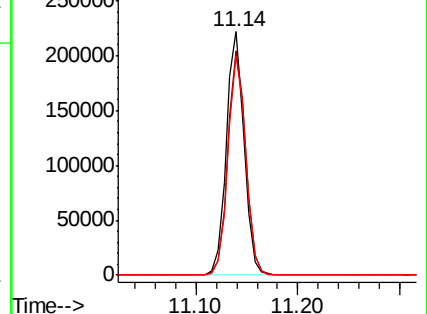
176 89.6 0.0 178.6

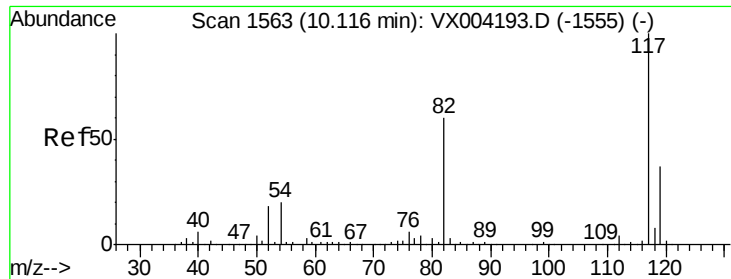


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

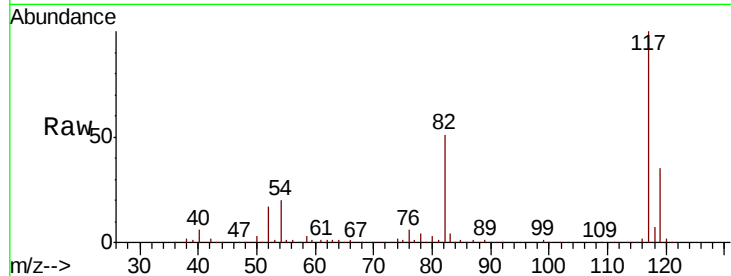




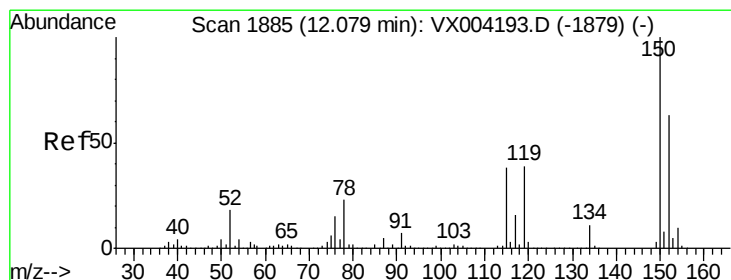
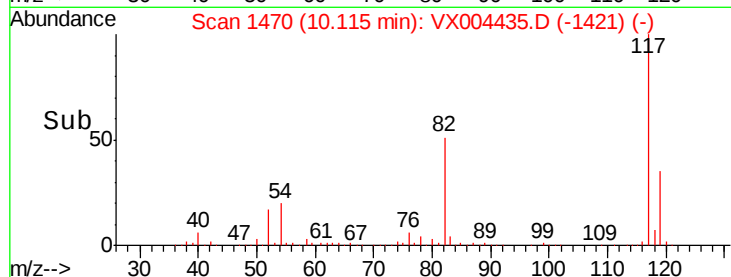
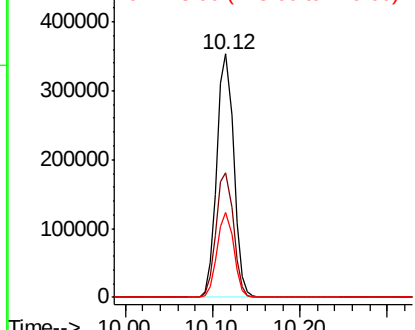
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX004435.D  
Acq: 08 Sep 2018 04:32

Instrument :  
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Tot Ion:117 Resp: 474107  
Ion Ratio Lower Upper  
117 100  
82 51.1 47.8 71.6  
119 34.9 29.3 43.9

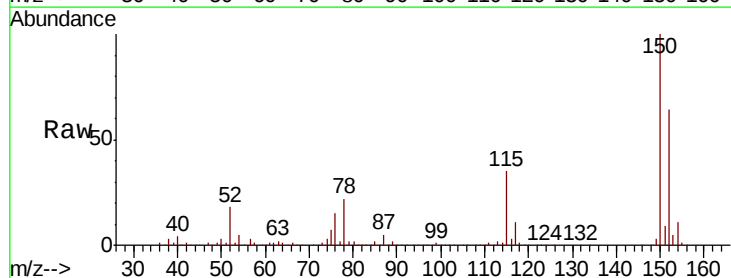


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

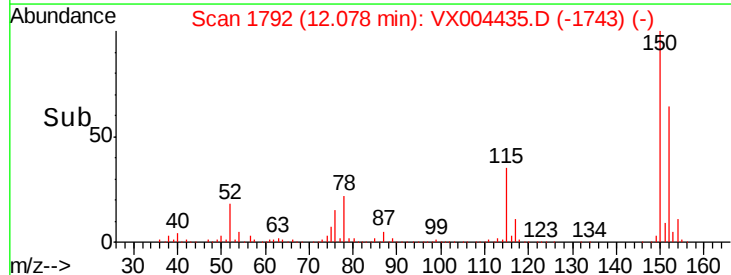
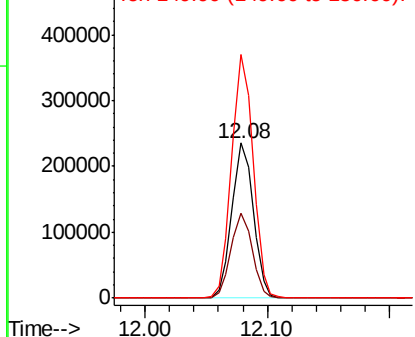


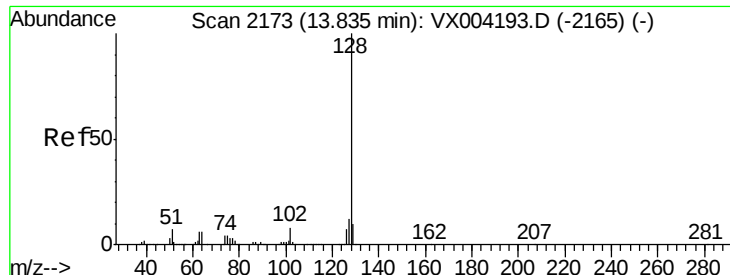
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX004435.D  
Acq: 08 Sep 2018 04:32

Tgt Ion:152 Resp: 285802  
Ion Ratio Lower Upper  
152 100  
115 54.7 39.0 117.0  
150 156.6 0.0 351.0



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

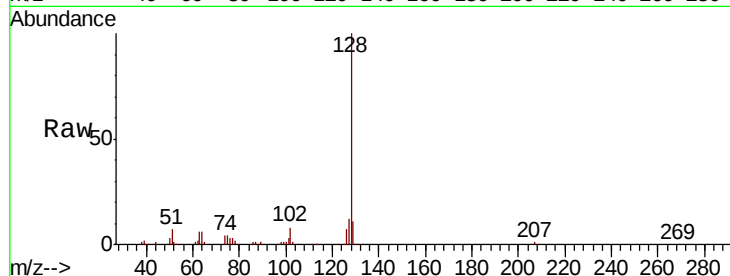




#95  
Naphthalene  
Concen: 2.80 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. -0.00 min  
Lab File: VX004435.D  
Acq: 08 Sep 2018 04:32

Instrument :  
MSVOA\_X  
ClientSampleId :  
MS-SLUDGE-V24129

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.5  | 10.2  | 15.2  |
| 129     | 11.1  | 8.6   | 12.8  |



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

