

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121820\  
 Data File : VX020147.D  
 Acq On : 19 Dec 2020 04:18  
 Operator : JC/MD  
 Sample : PB133677ZHE#09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB133677ZHE#09

Quant Time: Dec 19 06:38:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 18 13:09:49 2020  
 Response via : Initial Calibration

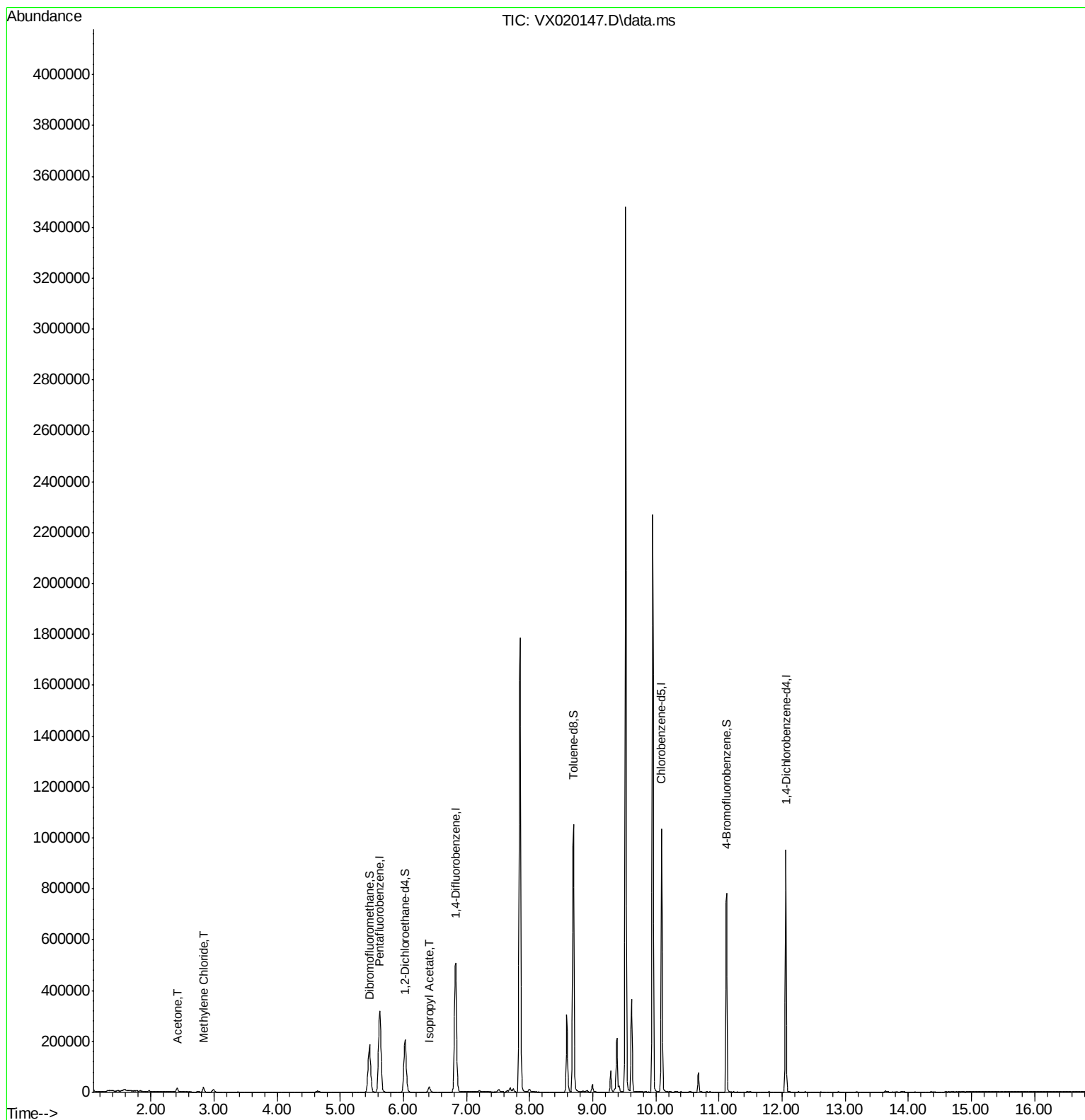
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 5.623  | 168   | 313126   | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.830  | 114   | 521832   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.092 | 117   | 475217   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.061 | 152   | 192967   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 6.025  | 65    | 199215   | 47.46    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =     | 94.92%   |
| 35) Dibromofluoromethane    | 5.464  | 113   | 160300   | 48.02    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =     | 96.04%   |
| 50) Toluene-d8              | 8.696  | 98    | 640049   | 49.81    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =     | 99.62%   |
| 62) 4-Bromofluorobenzene    | 11.122 | 95    | 218729   | 44.48    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =     | 88.96%   |
| Target Compounds            |        |       |          |          |       |          |
| 16) Acetone                 | 2.416  | 43    | 14215    | 7.43     | ug/l  | 97       |
| 20) Methylene Chloride      | 2.837  | 84    | 8982     | 2.08     | ug/l  | 96       |
| 43) Isopropyl Acetate       | 6.409  | 43    | 26613    | 3.15     | ug/l  | 98       |
| -----                       |        |       |          |          |       |          |

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

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ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 18 13:09:49 2020  
Response via : Initial Calibration

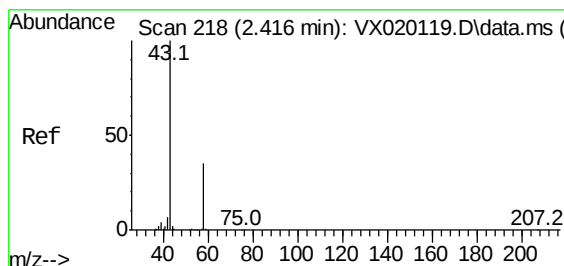
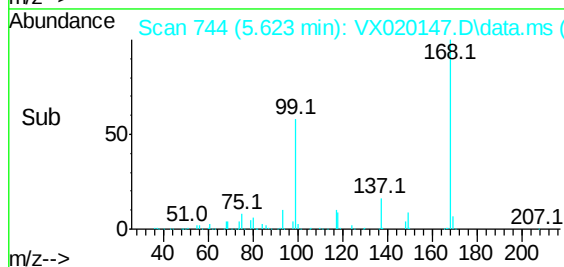
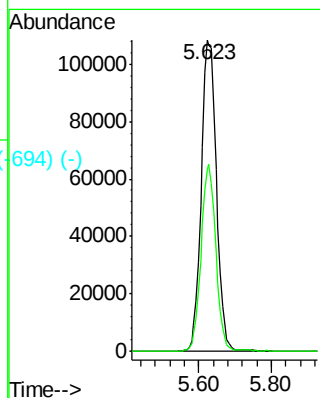
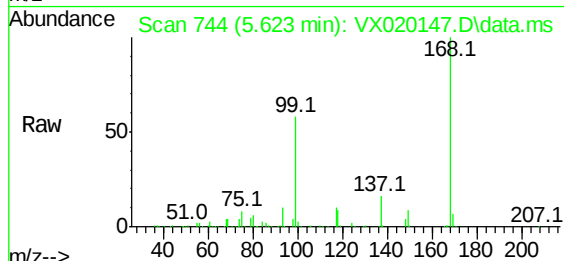




Scan 743 (5.617 min): VX020119.D\data.ms (-750) (-)  
 Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.623 min Scan# 744  
 Delta R.T. 0.006 min  
 Lab File: VX020147.D  
 Acq: 19 Dec 2020 04:18

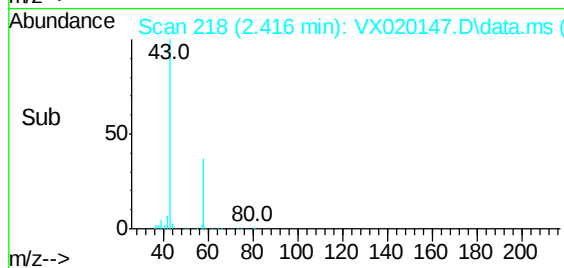
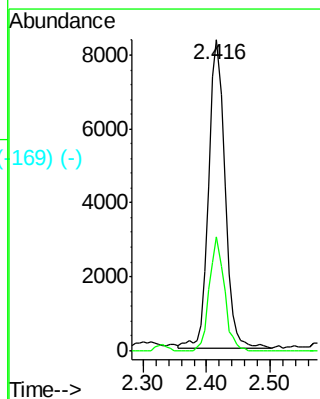
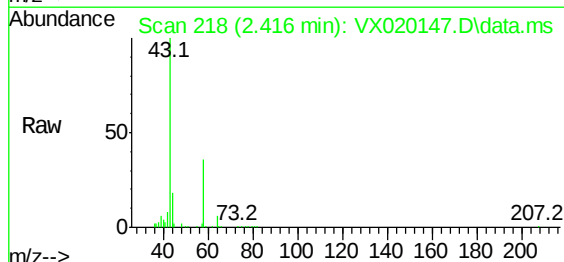
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB133677ZHE#09

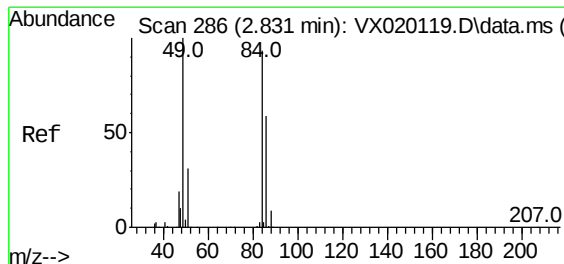
Tgt Ion: 168 Resp: 313126  
 Ion Ratio Lower Upper  
 168 100  
 99 58.3 45.8 68.6



Scan 218 (2.416 min): VX020119.D\data.ms (-211) (-)  
 Acetone  
 Concen: 7.43 ug/l  
 RT: 2.416 min Scan# 218  
 Delta R.T. 0.000 min  
 Lab File: VX020147.D  
 Acq: 19 Dec 2020 04:18

Tgt Ion: 43 Resp: 14215  
 Ion Ratio Lower Upper  
 43 100  
 58 36.8 27.8 41.8



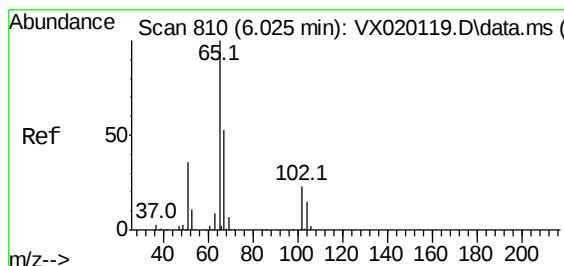
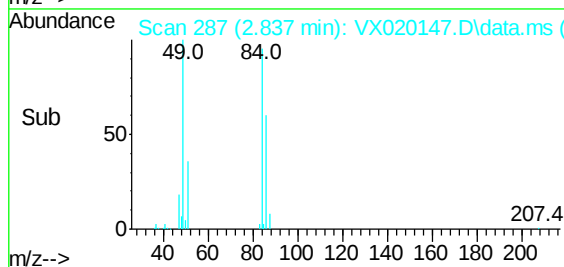
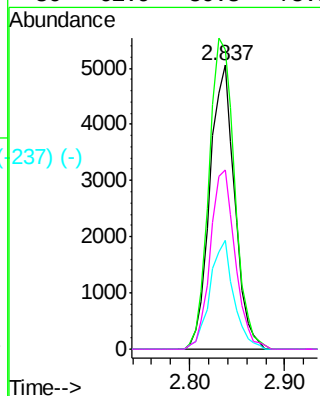
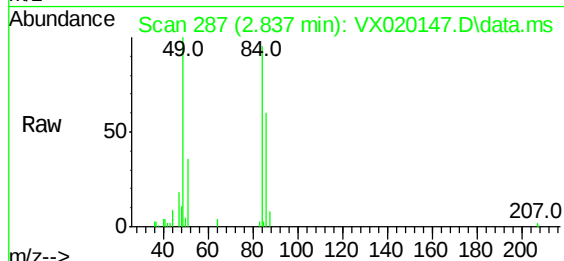


Methylene Chloride  
Concen: 2.08 ug/l  
RT: 2.837 min Scan# 287  
Delta R.T. 0.006 min  
Lab File: VX020147.D  
Acq: 19 Dec 2020 04:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB133677ZHE#09

Tgt Ion: 84 Resp: 8982

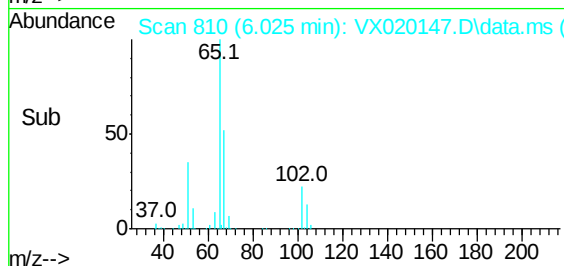
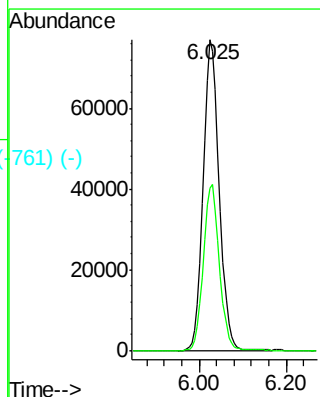
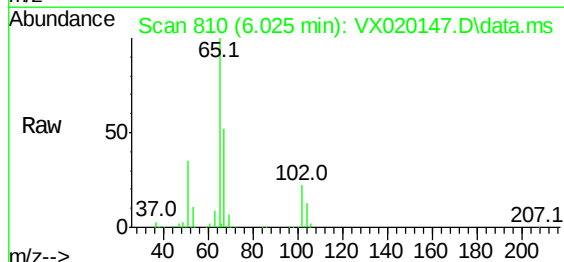
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 105.3 | 88.6  | 132.8 |
| 51  | 38.2  | 27.0  | 40.6  |
| 86  | 62.9  | 50.3  | 75.5  |

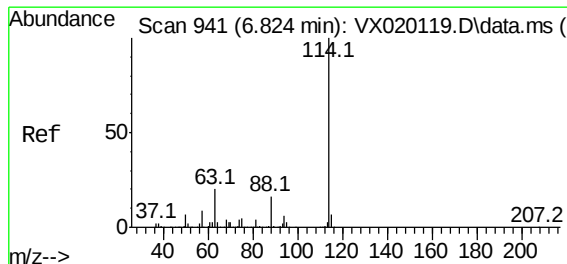


1,2-Dichloroethane-d4  
Concen: 47.46 ug/l  
RT: 6.025 min Scan# 810  
Delta R.T. 0.000 min  
Lab File: VX020147.D  
Acq: 19 Dec 2020 04:18

Tgt Ion: 65 Resp: 199215

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 53.3  | 0.0   | 105.4 |

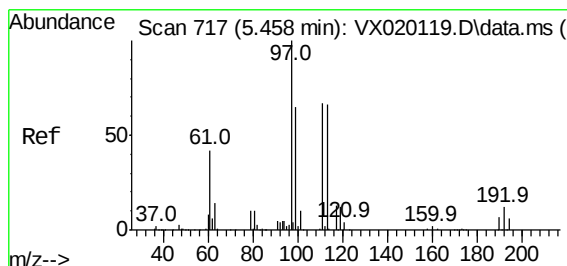
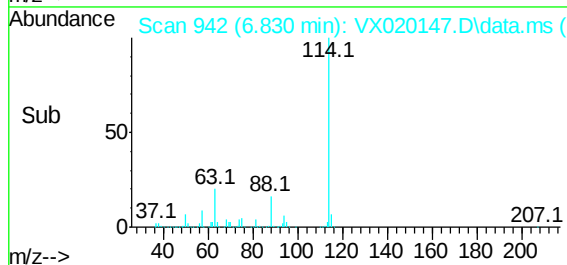
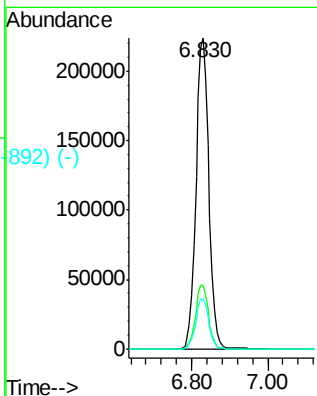
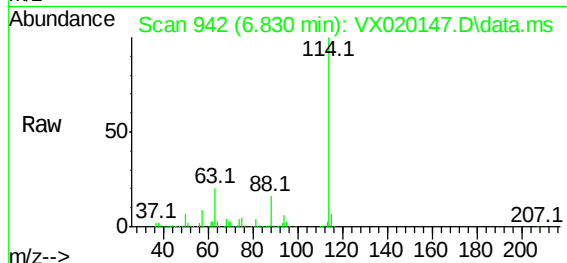




1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.830 min Scan# 942  
Delta R.T. 0.006 min  
Lab File: VX020147.D  
Acq: 19 Dec 2020 04:18

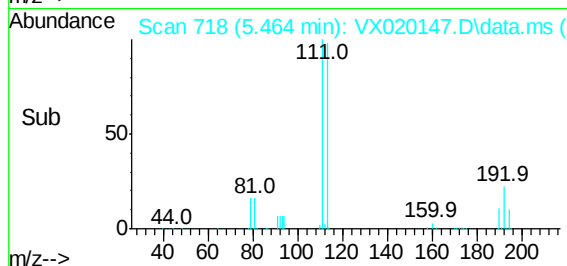
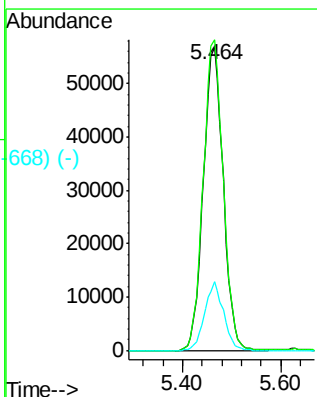
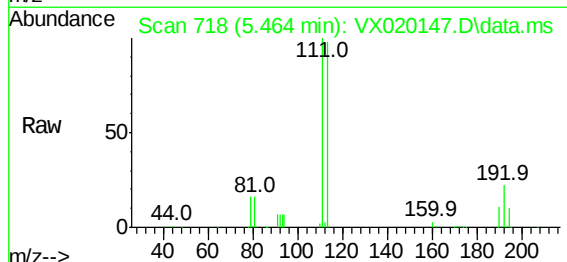
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB133677ZHE#09

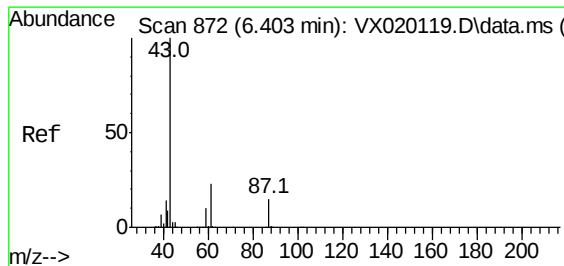
Tgt Ion:114 Resp: 521832  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 40.8  
88 16.1 0.0 32.8



Dibromofluoromethane  
Concen: 48.02 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: VX020147.D  
Acq: 19 Dec 2020 04:18

Tgt Ion:113 Resp: 160300  
Ion Ratio Lower Upper  
113 100  
111 102.9 81.9 122.9  
192 21.3 16.7 25.1

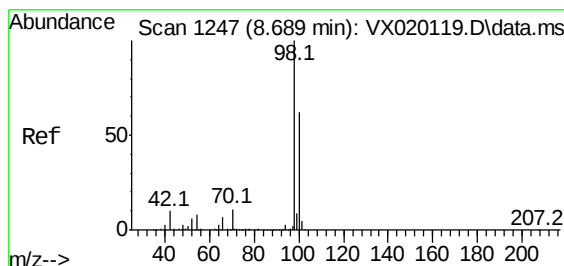
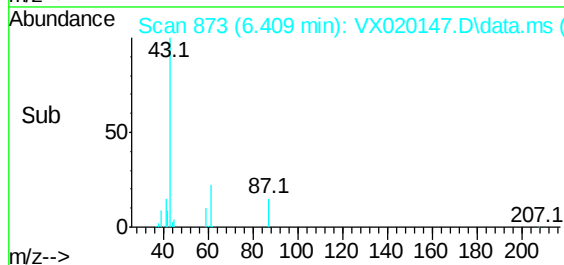
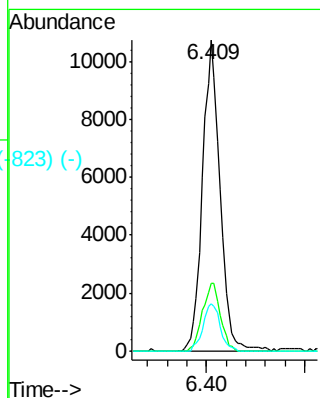
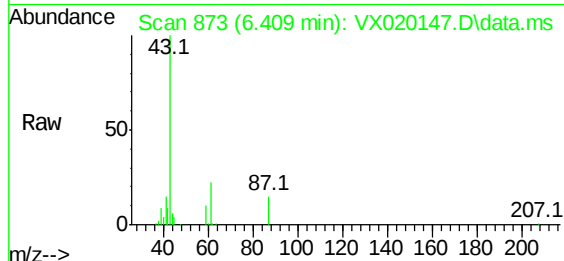




#43 (-)  
Isopropyl Acetate  
Concen: 3.15 ug/l  
RT: 6.409 min Scan# 873  
Delta R.T. 0.006 min  
Lab File: VX020147.D  
Acq: 19 Dec 2020 04:18

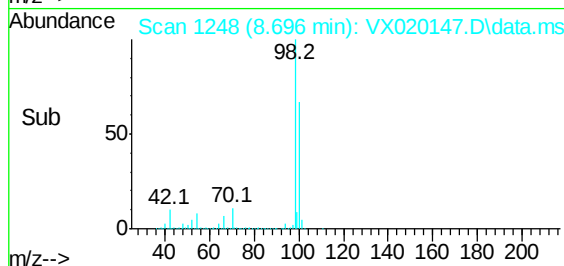
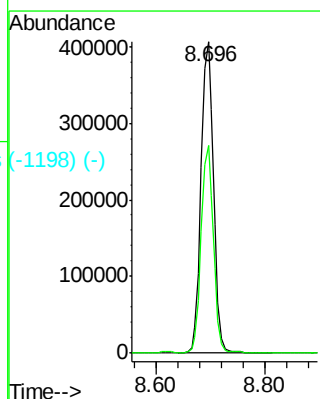
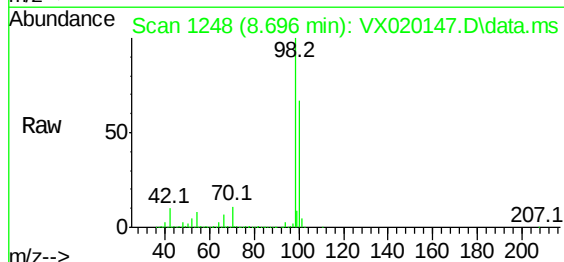
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB133677ZHE#09

Tgt Ion: 43 Resp: 26613  
Ion Ratio Lower Upper  
43 100  
61 21.9 18.2 27.4  
87 14.6 12.5 18.7



#59 (-)  
Toluene-d8  
Concen: 49.81 ug/l  
RT: 8.696 min Scan# 1248  
Delta R.T. 0.007 min  
Lab File: VX020147.D  
Acq: 19 Dec 2020 04:18

Tgt Ion: 98 Resp: 640049  
Ion Ratio Lower Upper  
98 100  
100 65.4 51.9 77.9

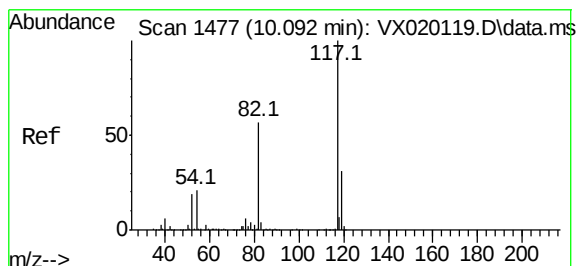
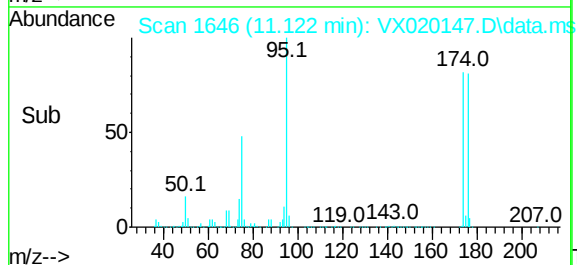
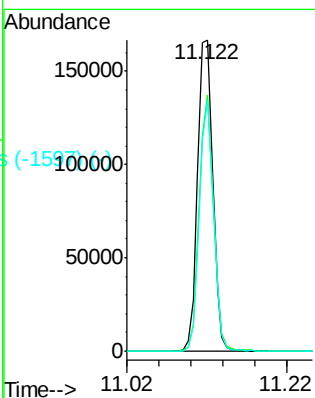
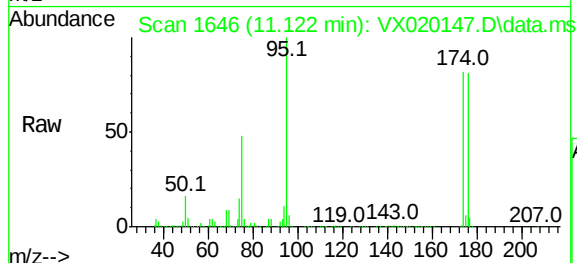




Scan 1646 (11.122 min): VX020119.D\data.ms  
 #639 (-)  
 4-Bromofluorobenzene  
 Concen: 44.48 ug/l  
 RT: 11.122 min Scan# 1646  
 Delta R.T. -0.000 min  
 Lab File: VX020147.D  
 Acq: 19 Dec 2020 04:18

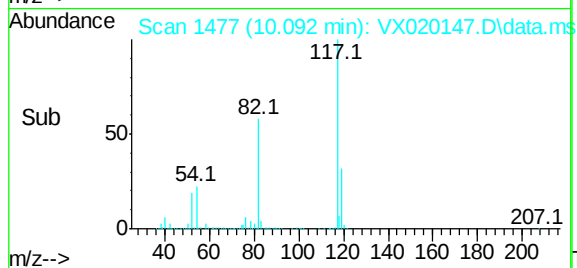
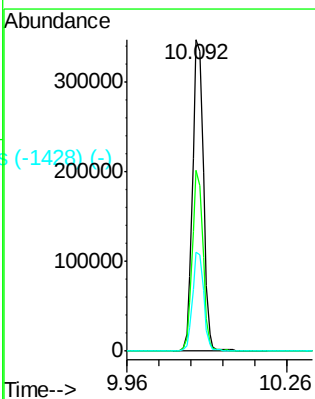
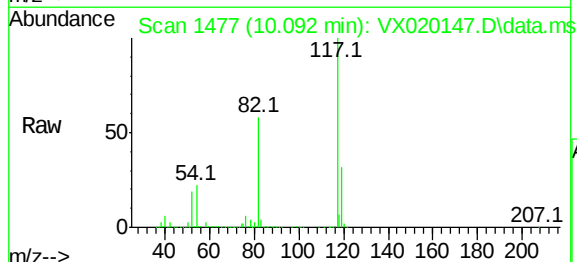
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB133677ZHE#09

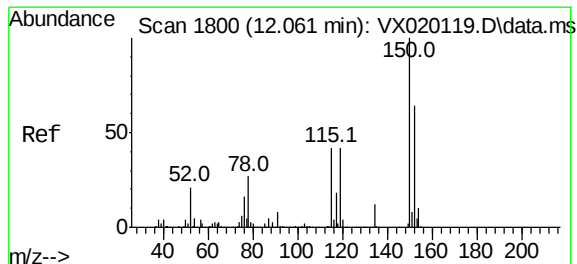
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 218729 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 76.6  | 0.0   | 154.6  |
| 176       | 74.9  | 0.0   | 155.8  |



Scan 1477 (10.092 min): VX020119.D\data.ms  
 #640 (-)  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 10.092 min Scan# 1477  
 Delta R.T. -0.000 min  
 Lab File: VX020147.D  
 Acq: 19 Dec 2020 04:18

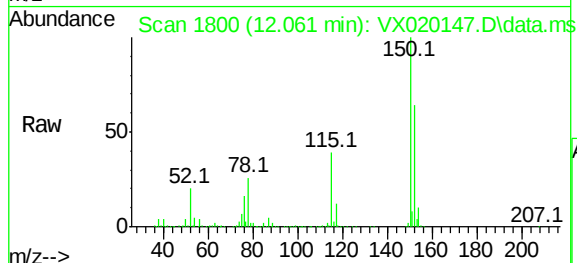
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 475217 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 57.9  | 47.4  | 71.2   |
| 119       | 31.6  | 26.6  | 39.8   |





#1794 (-)  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.061 min Scan# 1800  
 Delta R.T. -0.000 min  
 Lab File: VX020147.D  
 Acq: 19 Dec 2020 04:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB133677ZHE#09



Tgt Ion:152 Resp: 192967  
 Ion Ratio Lower Upper  
 152 100  
 115 61.5 41.1 123.3  
 150 159.5 0.0 349.0

