

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011322\  
 Data File : VY007146.D  
 Acq On : 13 Jan 2022 16:27  
 Operator : SY/MD  
 Sample : N1099-09  
 Misc : 5.72/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VACLOT-BACKFILL-TILCON-09

Quant Time: Jan 14 05:53:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 14 05:48:29 2022  
 Response via : Initial Calibration

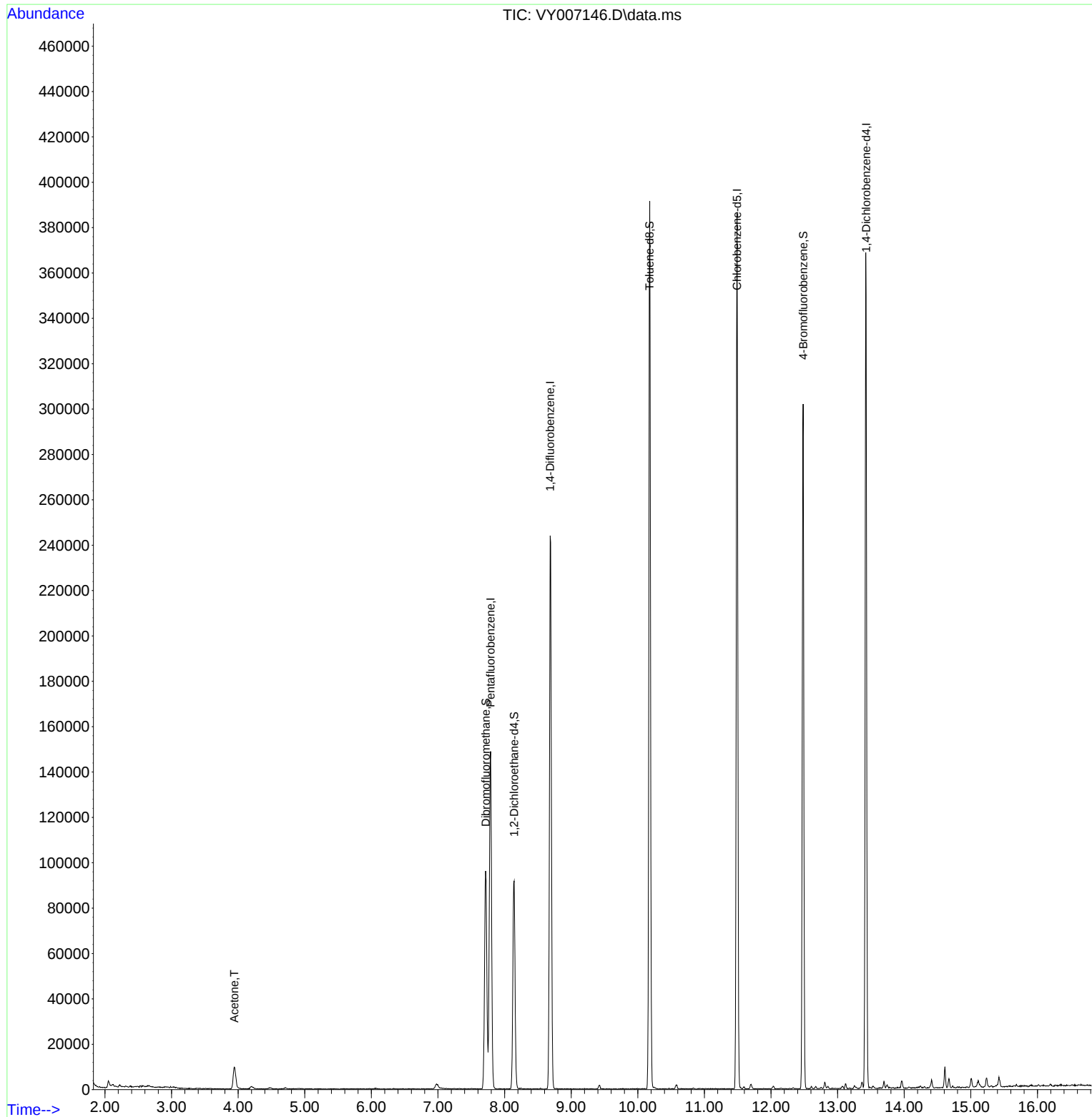
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.789  | 168   | 110582   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 207831   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 199584   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 87658    | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 75503    | 55.646   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 111.300%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 69094    | 49.166   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 98.340%   |
| 50) Toluene-d8              | 10.179 | 98    | 254155   | 49.495   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 98.980%   |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 96595    | 52.883   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 105.760%  |
| Target Compounds            |        |       |          |          |       |           |
| 16) Acetone                 | 3.942  | 43    | 17387    | 49.376   | ug/l  | Qvalue 93 |
| -----                       |        |       |          |          |       |           |

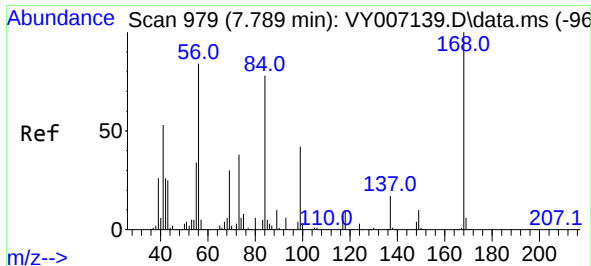
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N1099-09  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
VACLOT-BACKFILL-TILCON-09

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
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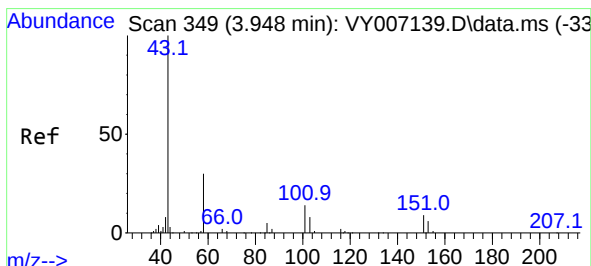
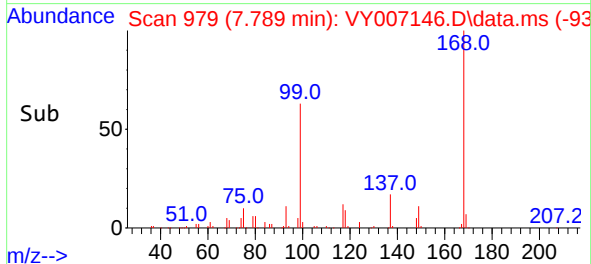
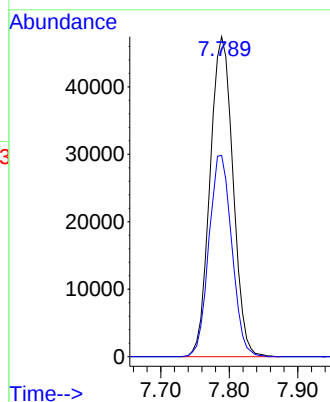
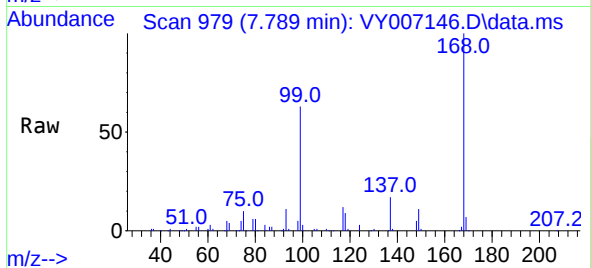




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007146.D  
Acq: 13 Jan 2022 16:27

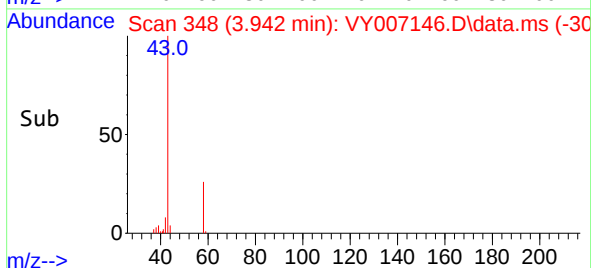
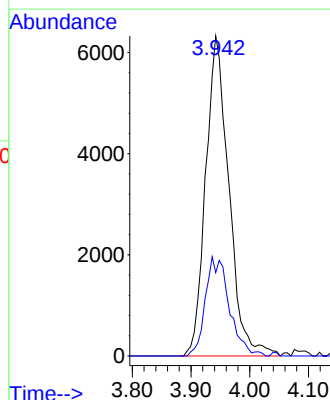
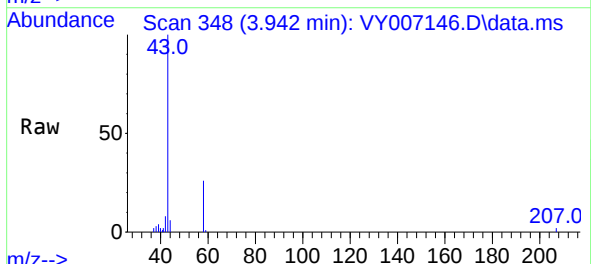
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VACLOT-BACKFILL-TILCON-09

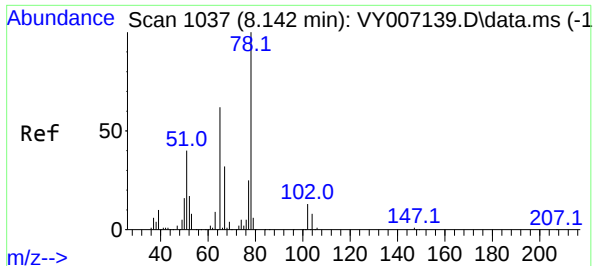
Tgt Ion:168 Resp: 110582  
Ion Ratio Lower Upper  
168 100  
99 62.9 49.1 73.7



#16  
Acetone  
Concen: 49.376 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY007146.D  
Acq: 13 Jan 2022 16:27

Tgt Ion: 43 Resp: 17387  
Ion Ratio Lower Upper  
43 100  
58 26.1 23.8 35.6

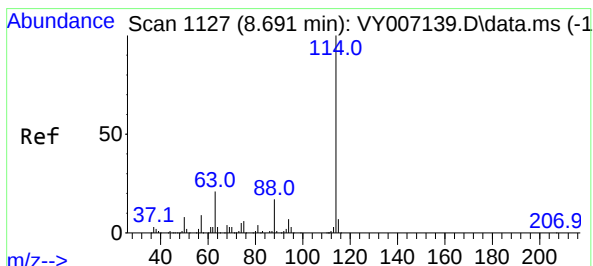
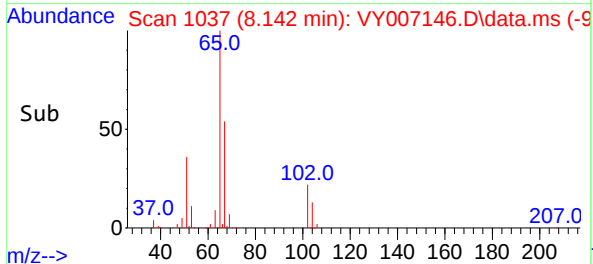
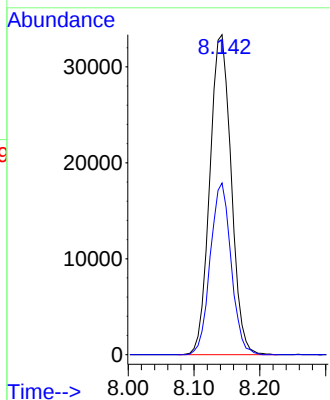
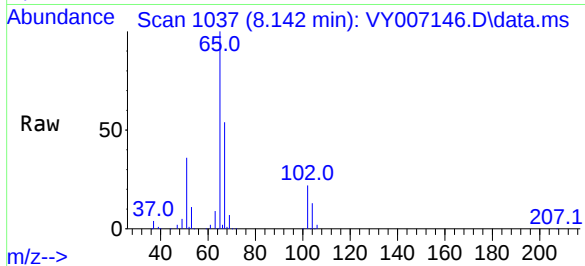




#33  
1,2-Dichloroethane-d4  
Concen: 55.646 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY007146.D  
Acq: 13 Jan 2022 16:27

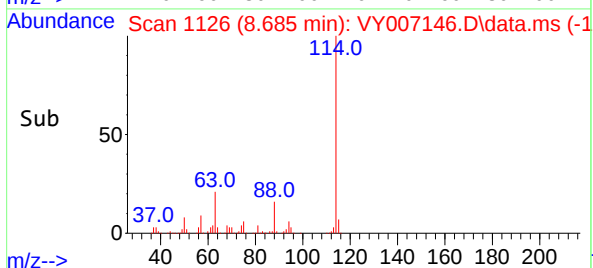
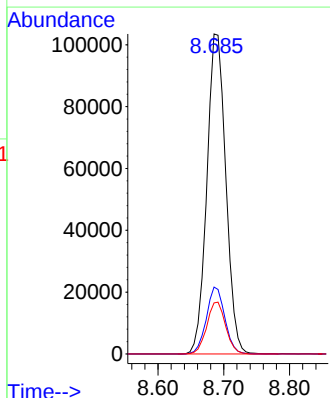
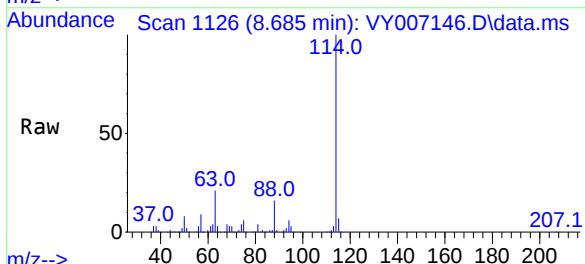
Instrument :  
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ClientSampleId :  
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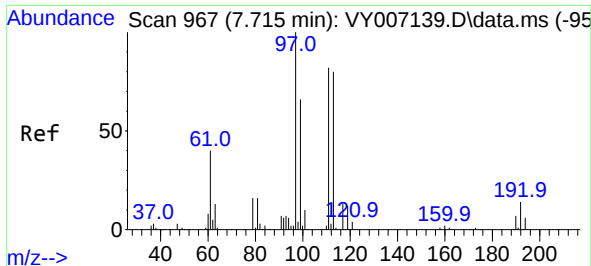
Tgt Ion: 65 Resp: 75503  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 105.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VY007146.D  
Acq: 13 Jan 2022 16:27

Tgt Ion: 114 Resp: 207831  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 39.2  
88 16.0 0.0 31.0

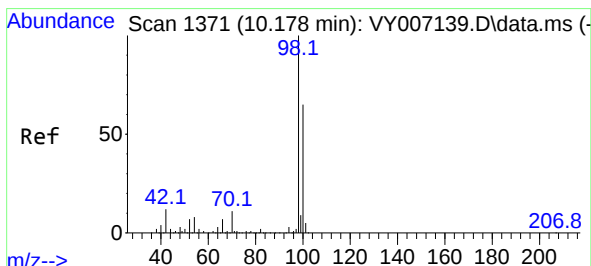
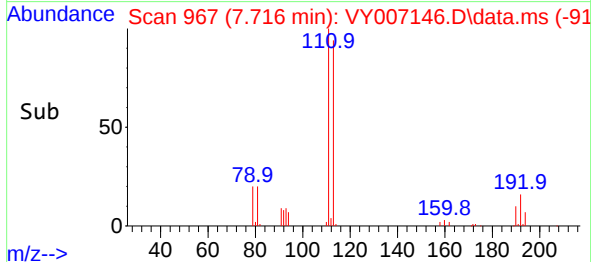
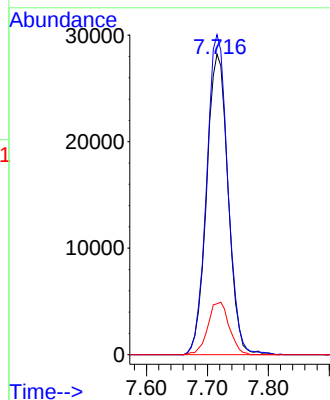
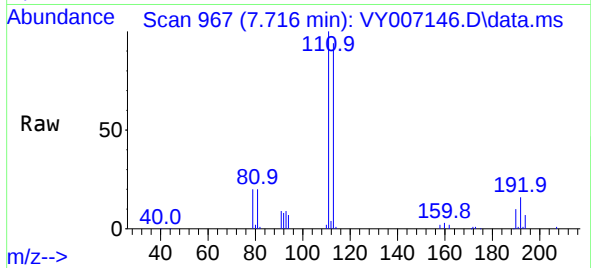




#35  
Dibromofluoromethane  
Concen: 49.166 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VY007146.D  
Acq: 13 Jan 2022 16:27

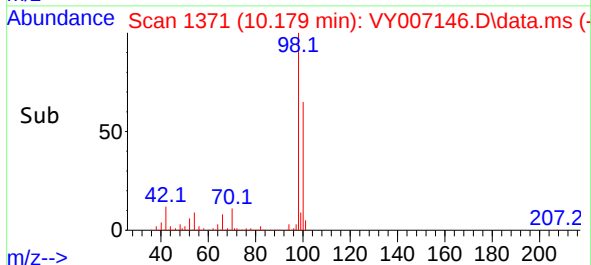
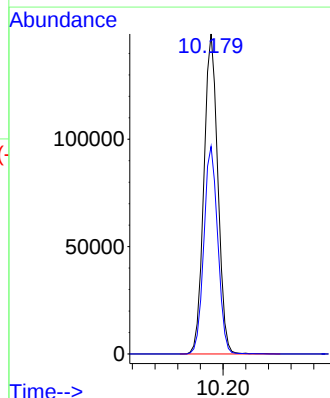
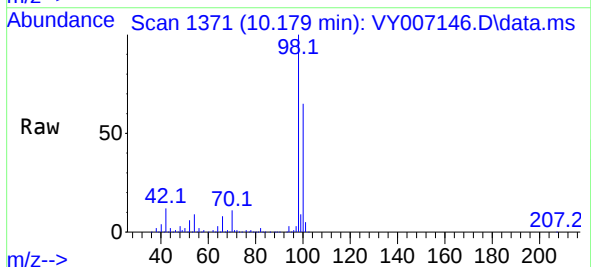
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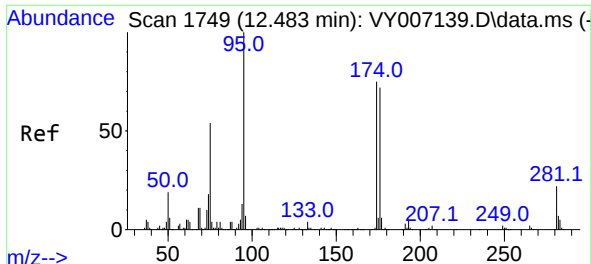
Tgt Ion:113 Resp: 69094  
Ion Ratio Lower Upper  
113 100  
111 105.2 82.2 123.4  
192 17.4 14.2 21.4



#50  
Toluene-d8  
Concen: 49.495 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY007146.D  
Acq: 13 Jan 2022 16:27

Tgt Ion: 98 Resp: 254155  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.2 78.2

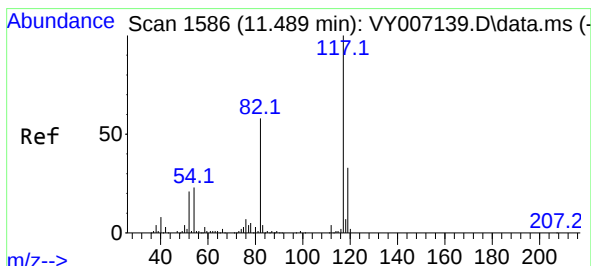
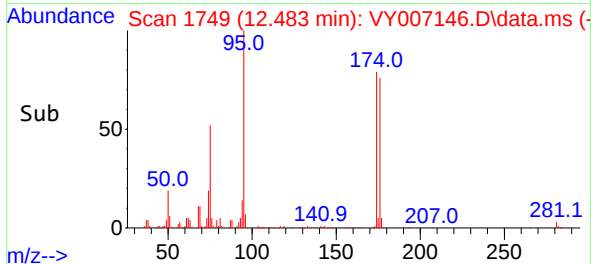
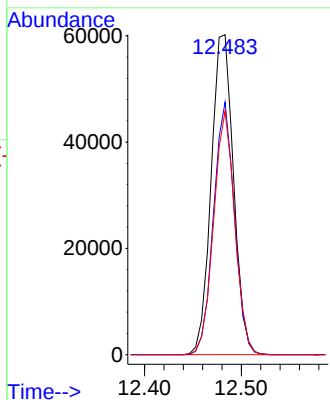
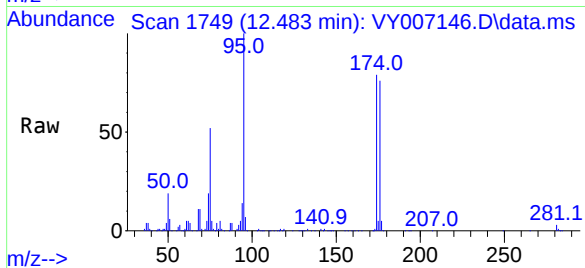




#62  
4-Bromofluorobenzene  
Concen: 52.883 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY007146.D  
Acq: 13 Jan 2022 16:27

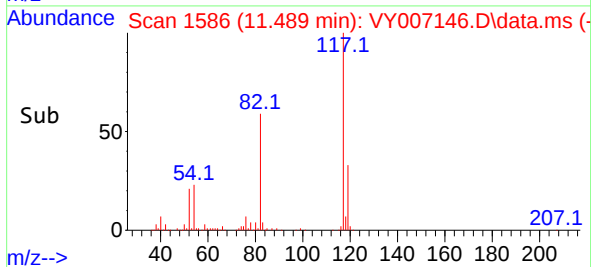
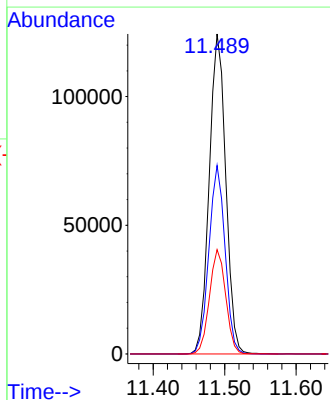
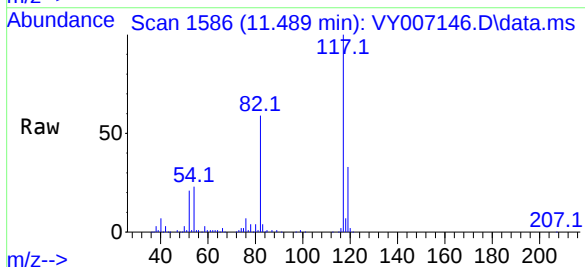
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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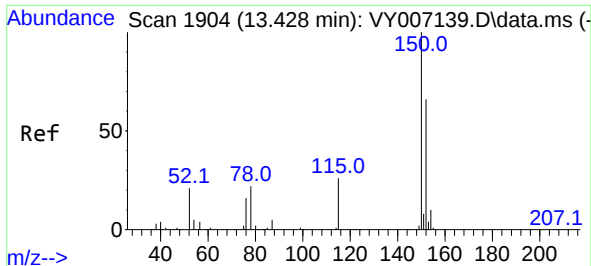
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 96595 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 74.1  | 0.0   | 148.4 |
| 176      | 71.8  | 0.0   | 146.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY007146.D  
Acq: 13 Jan 2022 16:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 199584 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 58.9  | 45.4  | 68.0   |
| 119      | 32.6  | 26.4  | 39.6   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007146.D

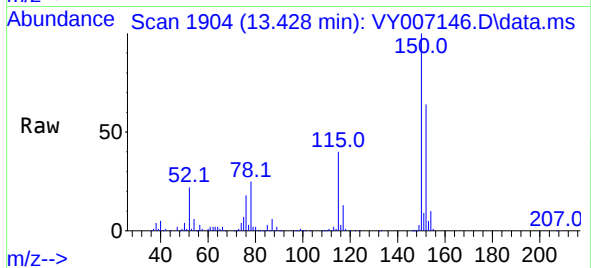
Acq: 13 Jan 2022 16:27

Instrument :

MSVOA\_Y

ClientSampleId :

VACLOT-BACKFILL-TILCON-09



Tgt Ion:152 Resp: 87658

Ion Ratio Lower Upper

152 100

115 63.2 31.4 94.0

150 159.4 0.0 348.4

