

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080122\  
 Data File : VX030333.D  
 Acq On : 01 Aug 2022 19:25  
 Operator : JC/MD  
 Sample : N3964-05 10X  
 Misc : 5.01g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 HMGP-SOIL-C

Quant Time: Aug 02 01:56:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 25 16:49:17 2022  
 Response via : Initial Calibration

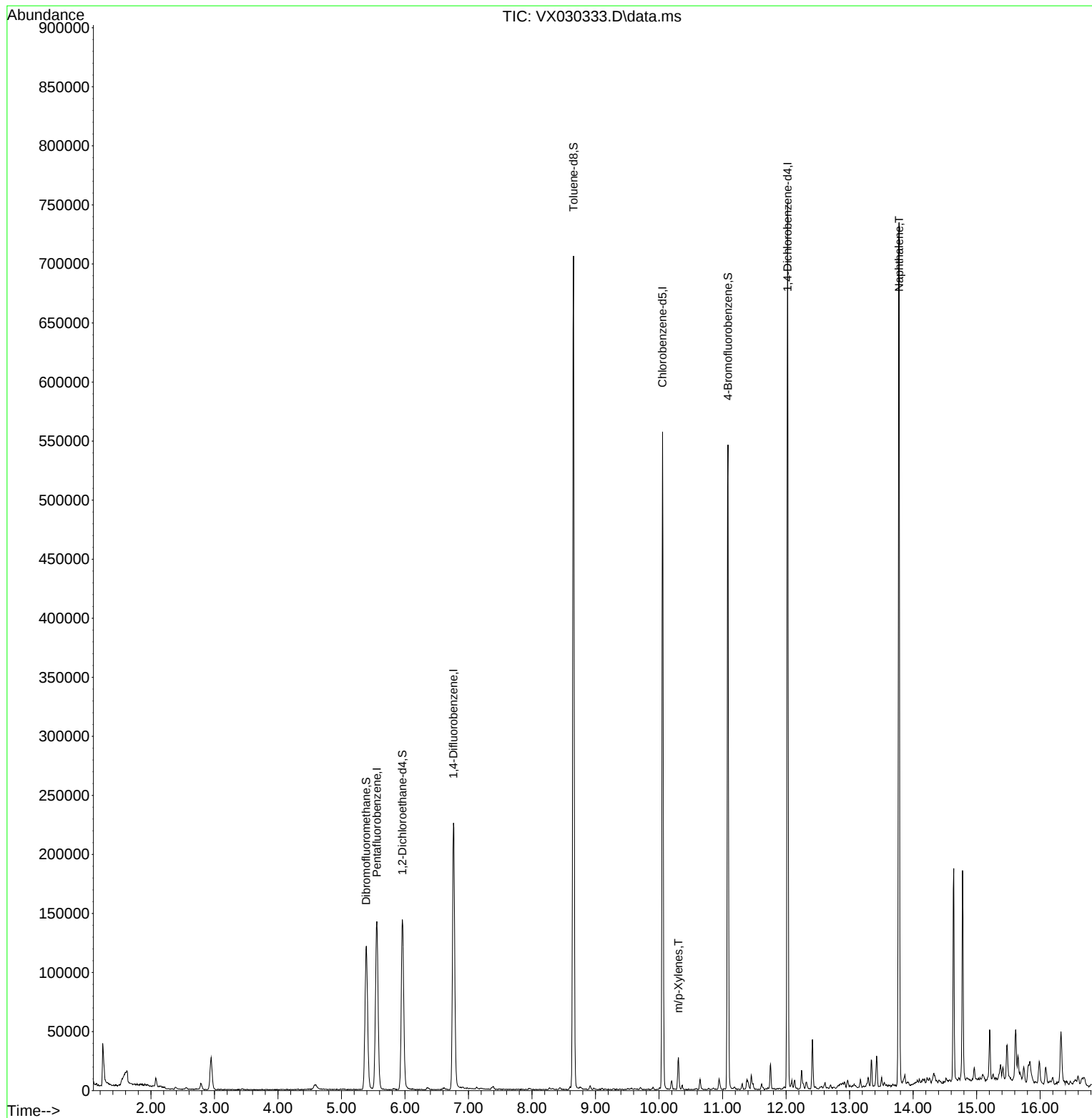
| Compound                    | R.T.           | QIon | Response            | Conc   | Units | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|-------|----------|
| -----                       |                |      |                     |        |       |          |
| Internal Standards          |                |      |                     |        |       |          |
| 1) Pentafluorobenzene       | 5.556          | 168  | 133654              | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 234977              | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 241732              | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 144880              | 50.000 | ug/l  | 0.00     |
|                             |                |      |                     |        |       |          |
| System Monitoring Compounds |                |      |                     |        |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.958          | 65   | 138193              | 51.442 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 102.880% |        |       |          |
| 35) Dibromofluoromethane    | 5.385          | 113  | 107982              | 48.072 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 96.140%  |        |       |          |
| 50) Toluene-d8              | 8.653          | 98   | 416340              | 47.861 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 95.720%  |        |       |          |
| 62) 4-Bromofluorobenzene    | 11.085         | 95   | 152378              | 47.199 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 94.400%  |        |       |          |
|                             |                |      |                     |        |       |          |
| Target Compounds            |                |      |                     |        |       | Qvalue   |
| 68) m/p-Xylenes             | 10.305         | 106  | 6110                | 1.374  | ug/l  | 88       |
| 95) Naphthalene             | 13.780         | 128  | 449986              | 39.201 | ug/l  | 100      |
| -----                       |                |      |                     |        |       |          |

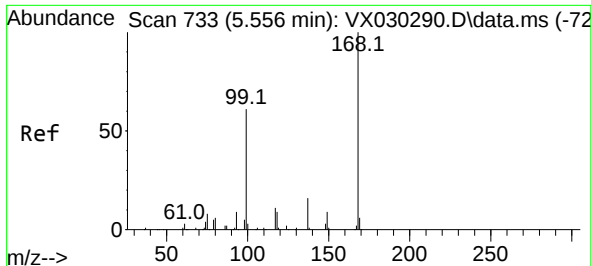
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
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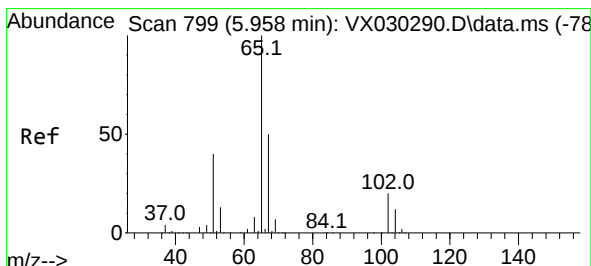
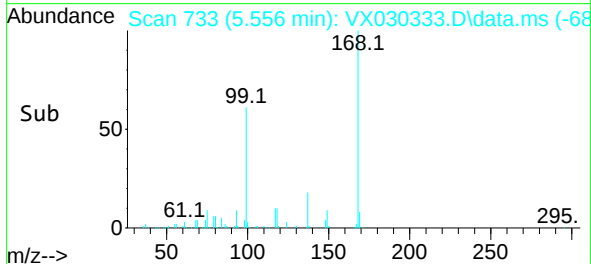
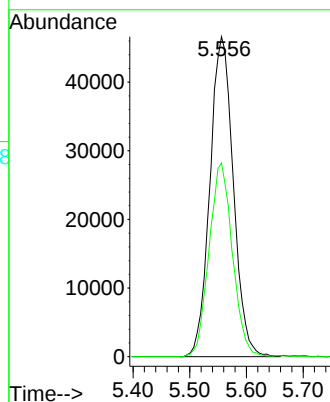
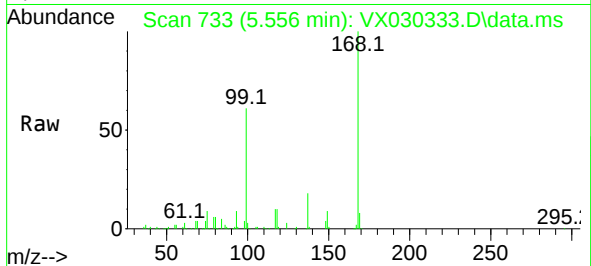




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.006 min  
Lab File: VX030333.D  
Acq: 01 Aug 2022 19:25

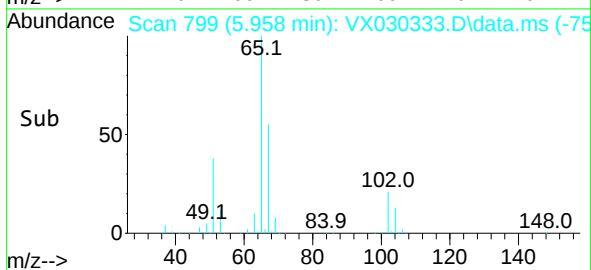
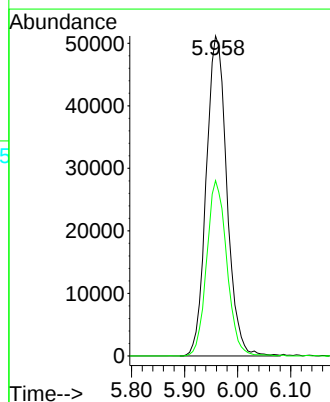
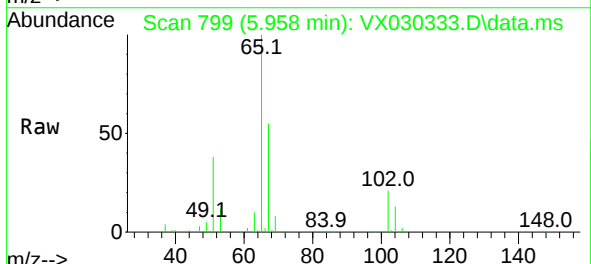
Instrument :  
MSVOA\_X  
ClientSampleId :  
HMGP-SOIL-C

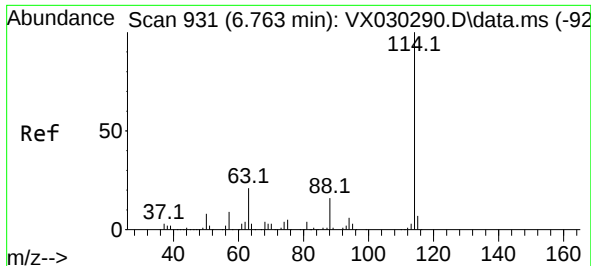
Tgt Ion:168 Resp: 133654  
Ion Ratio Lower Upper  
168 100  
99 60.6 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 51.442 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX030333.D  
Acq: 01 Aug 2022 19:25

Tgt Ion: 65 Resp: 138193  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 109.6

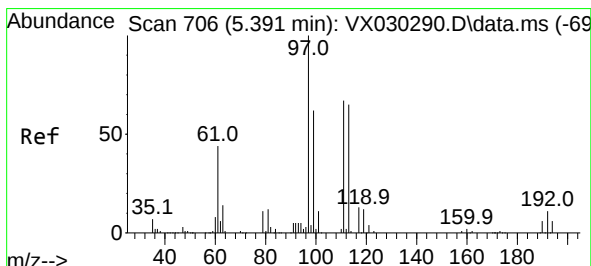
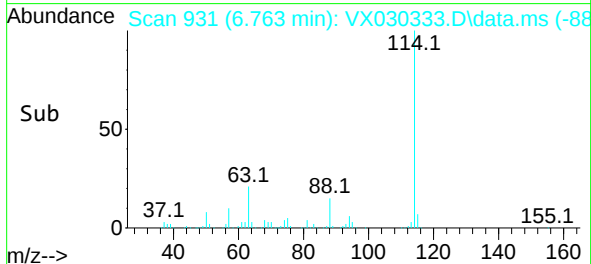
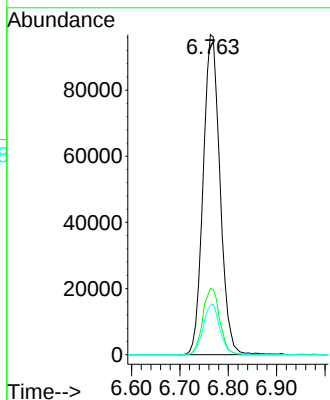
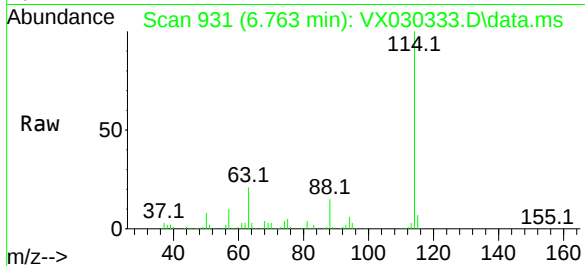




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VX030333.D  
Acq: 01 Aug 2022 19:25

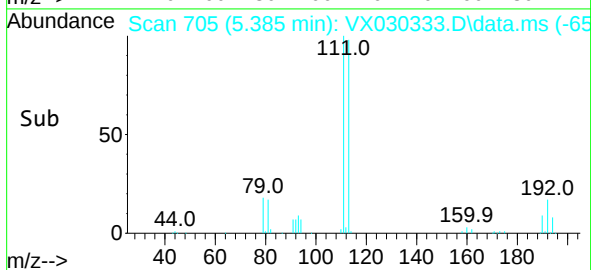
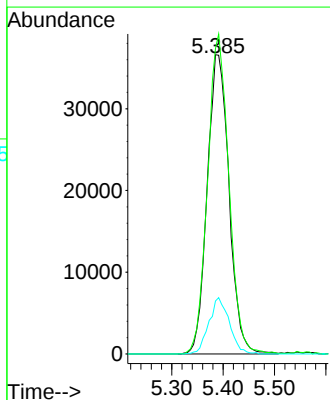
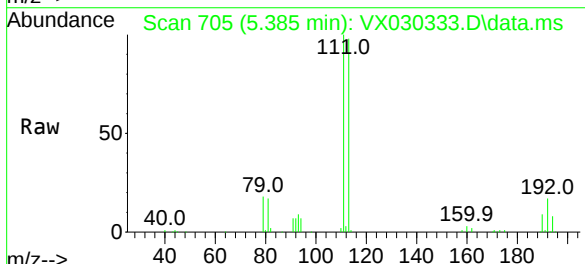
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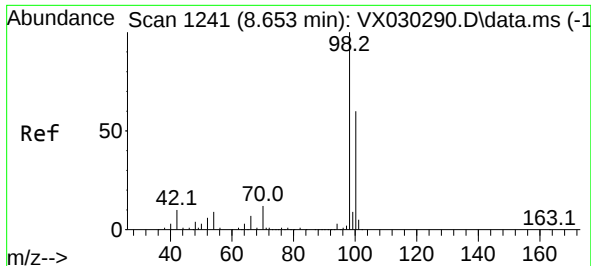
Tgt Ion:114 Resp: 234977  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 38.4  
88 15.5 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 48.072 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VX030333.D  
Acq: 01 Aug 2022 19:25

Tgt Ion:113 Resp: 107982  
Ion Ratio Lower Upper  
113 100  
111 104.5 83.2 124.8  
192 17.7 14.8 22.2

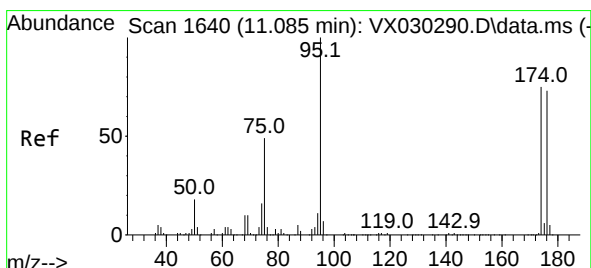
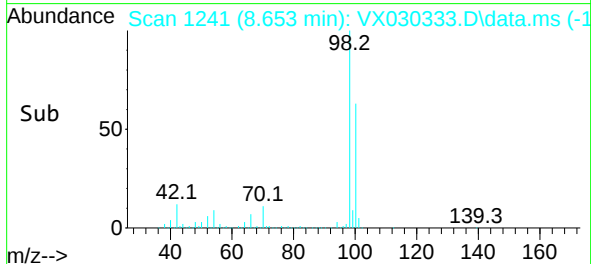
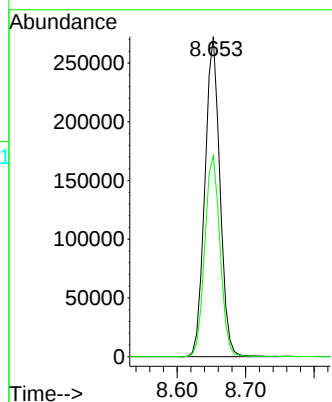
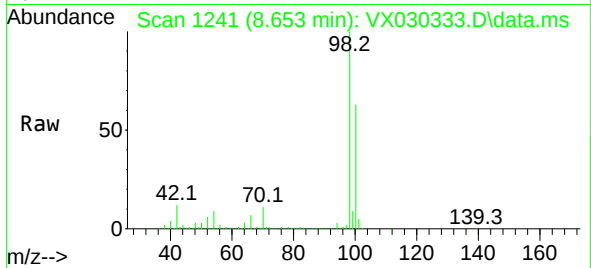




#50  
Toluene-d8  
Concen: 47.861 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VX030333.D  
Acq: 01 Aug 2022 19:25

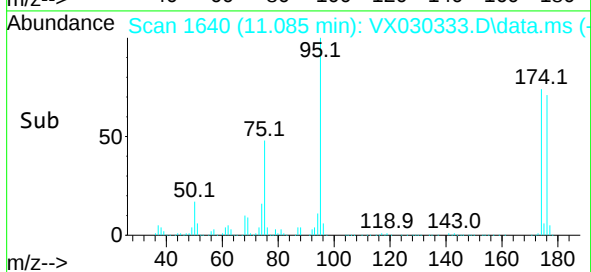
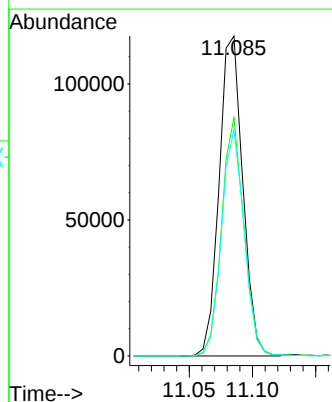
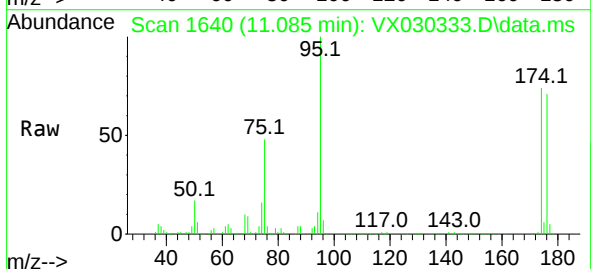
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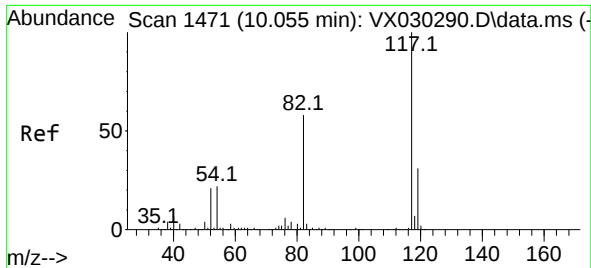
Tgt Ion: 98 Resp: 416340  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 47.199 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX030333.D  
Acq: 01 Aug 2022 19:25

Tgt Ion: 95 Resp: 152378  
Ion Ratio Lower Upper  
95 100  
174 70.8 0.0 149.0  
176 67.9 0.0 146.0

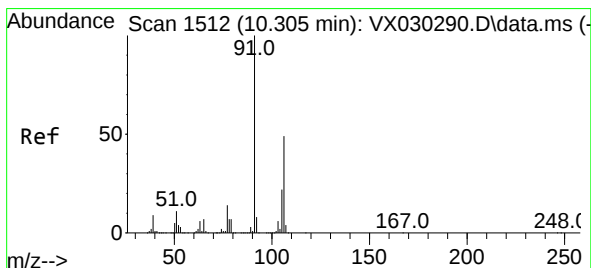
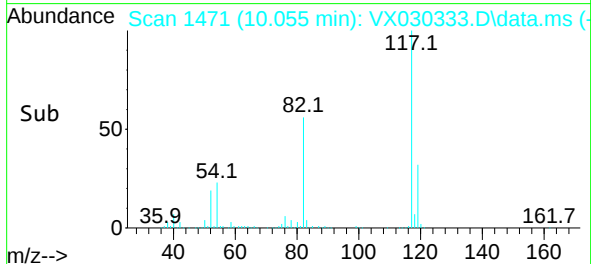
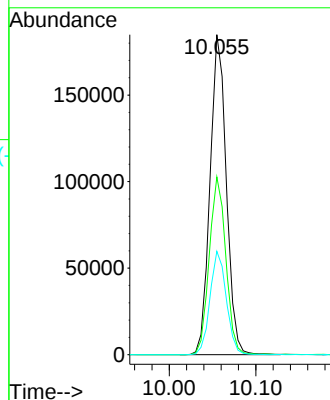
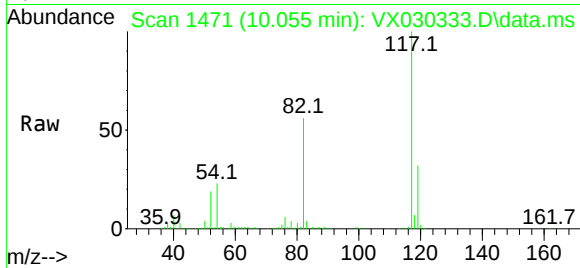




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX030333.D  
Acq: 01 Aug 2022 19:25

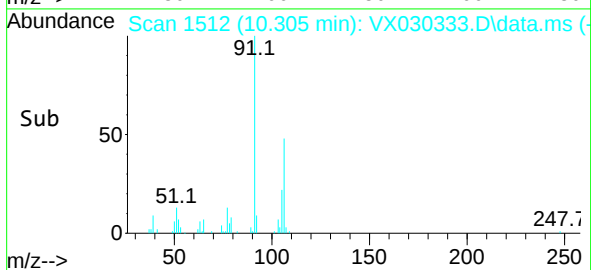
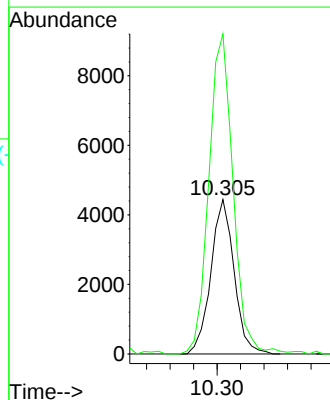
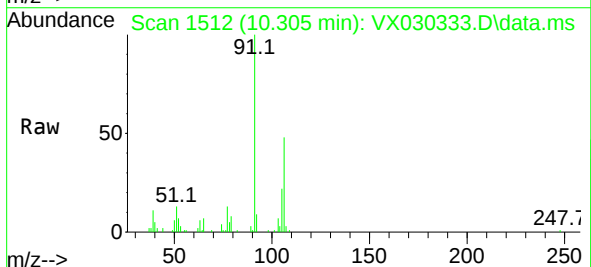
Instrument :  
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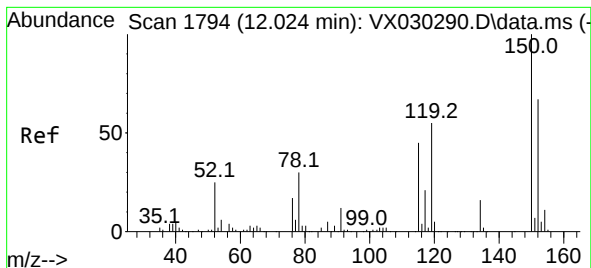
Tgt Ion:117 Resp: 241732  
Ion Ratio Lower Upper  
117 100  
82 55.6 42.7 64.1  
119 32.3 25.4 38.2



#68  
m/p-Xylenes  
Concen: 1.374 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. -0.000 min  
Lab File: VX030333.D  
Acq: 01 Aug 2022 19:25

Tgt Ion:106 Resp: 6110  
Ion Ratio Lower Upper  
106 100  
91 216.0 158.2 237.4

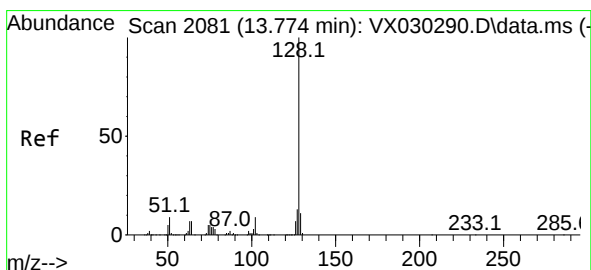
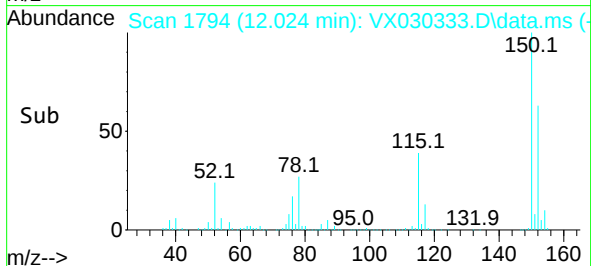
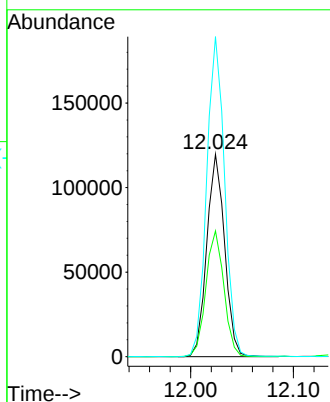
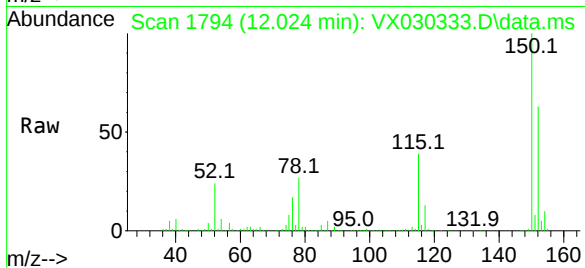




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX030333.D  
Acq: 01 Aug 2022 19:25

Instrument :  
MSVOA\_X  
ClientSampleId :  
HMGP-SOIL-C

Tgt Ion:152 Resp: 144880  
Ion Ratio Lower Upper  
152 100  
115 62.7 40.5 121.5  
150 158.3 0.0 347.0



#95  
Naphthalene  
Concen: 39.201 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX030333.D  
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Tgt Ion:128 Resp: 449986  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.2 15.2  
129 11.1 8.6 13.0

