

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050823\  
 Data File : VY013644.D  
 Acq On : 08 May 2023 13:15  
 Operator : KP/MD  
 Sample : 02588-04RE  
 Misc : 4.57g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ZONE-C-0-3-05012023

Quant Time: May 08 14:44:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

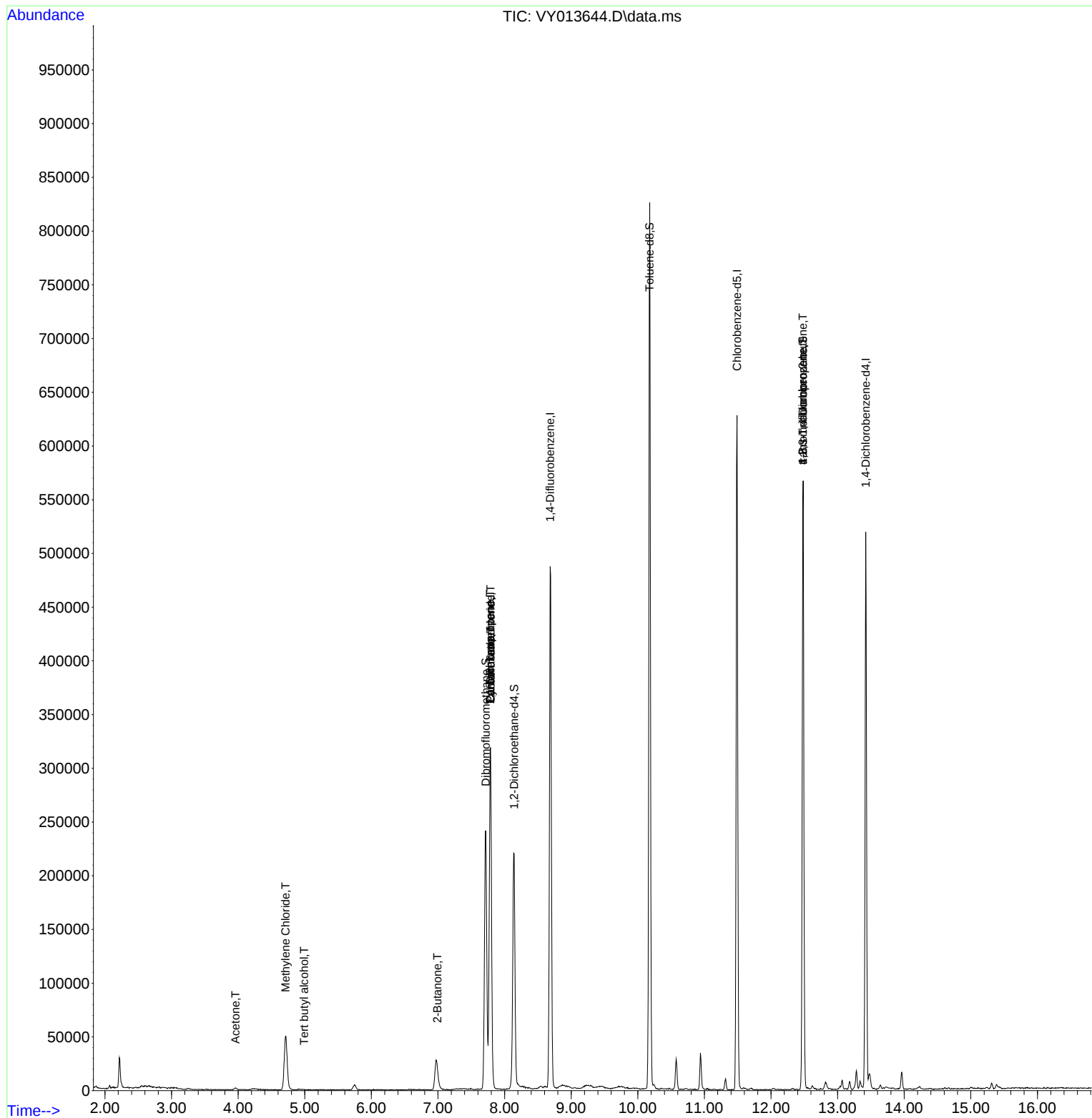
| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| -----                         |        |                |          |            |        |          |
| Internal Standards            |        |                |          |            |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168            | 253392   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114            | 407316   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117            | 336749   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152            | 132604   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65             | 180104   | 64.838     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 50 - 163 | Recovery | = 129.680% |        |          |
| 35) Dibromofluoromethane      | 7.716  | 113            | 166609   | 65.035     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 54 - 147 | Recovery | = 130.080% |        |          |
| 50) Toluene-d8                | 10.179 | 98             | 519316   | 56.983     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 58 - 134 | Recovery | = 113.960% |        |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95             | 153776   | 50.051     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 30 - 143 | Recovery | = 100.100% |        |          |
| Target Compounds              |        |                |          |            |        |          |
| 11) Tert butyl alcohol        | 4.991  | 59             | 295      | 1.590      | ug/l # | 89       |
| 13) Acrolein                  | 3.899  | 56             | 20       | Below Cal  | #      | 16       |
| 16) Acetone                   | 3.960  | 43             | 2979     | 2.723      | ug/l # | 80       |
| 20) Methylene Chloride        | 4.710  | 84             | 37120    | 3.272      | ug/l   | 90       |
| 25) 2-Butanone                | 6.990  | 43             | 2021     | 1.457      | ug/l # | 85       |
| 31) Cyclohexane               | 7.789  | 56             | 5549     | 1.116      | ug/l # | 21       |
| 36) 1,1-Dichloropropene       | 7.783  | 75             | 19146    | 4.503      | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.789  | 117            | 24966    | 5.602      | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75             | 83130    | 46.485     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75             | 83130    | 95.087     | ug/l # | 13       |
| -----                         |        |                |          |            |        |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050823\  
Data File : VY013644.D  
Acq On : 08 May 2023 13:15  
Operator : KP/MD  
Sample : 02588-04RE  
Misc : 4.57g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ZONE-C-0-3-05012023

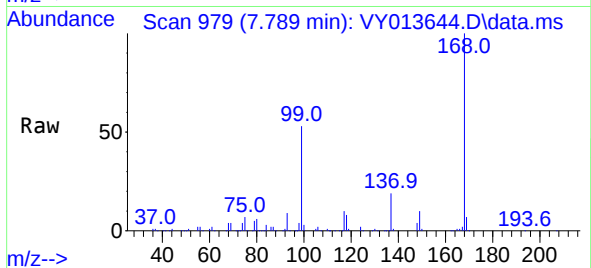
Quant Time: May 08 14:44:17 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
Response via : Initial Calibration



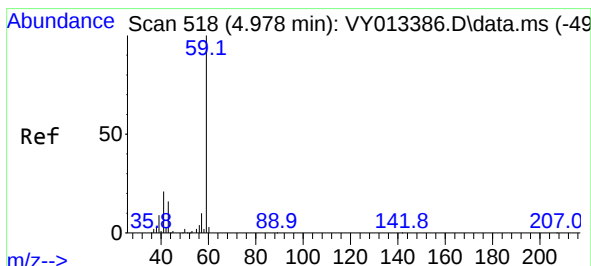
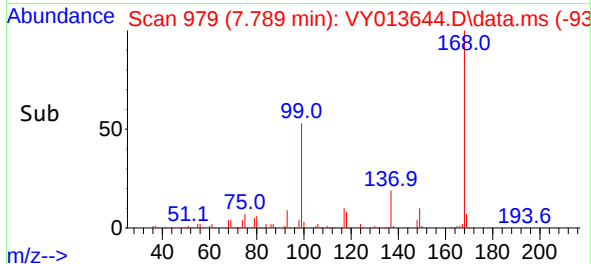
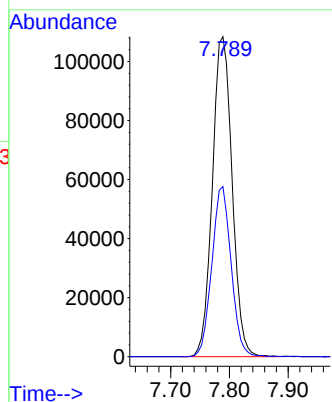


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ZONE-C-0-3-05012023

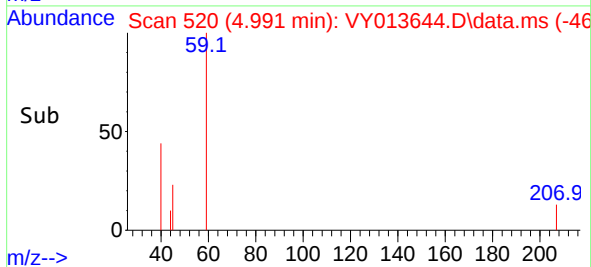
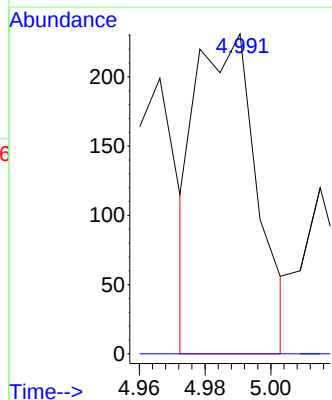
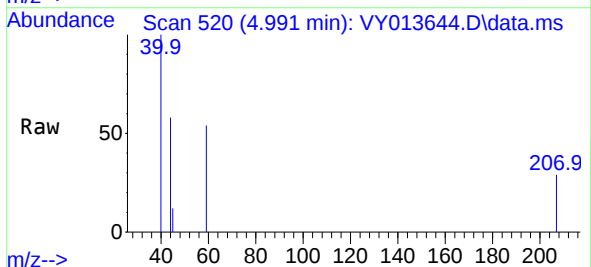


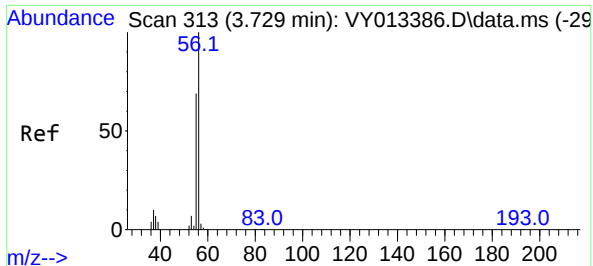
Tgt Ion:168 Resp: 253392  
Ion Ratio Lower Upper  
168 100  
99 53.2 41.8 62.6



#11  
Tert butyl alcohol  
Concen: 1.590 ug/l  
RT: 4.991 min Scan# 520  
Delta R.T. 0.013 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

Tgt Ion: 59 Resp: 295  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#

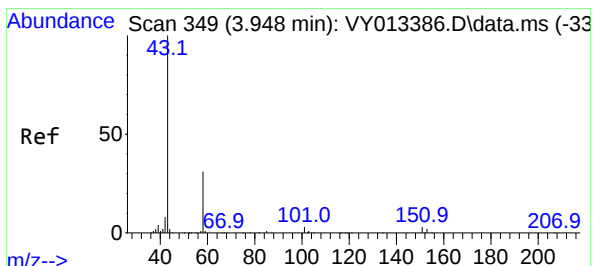
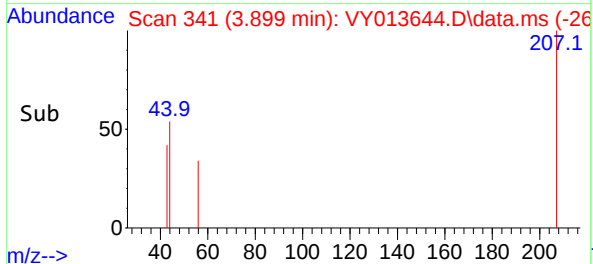
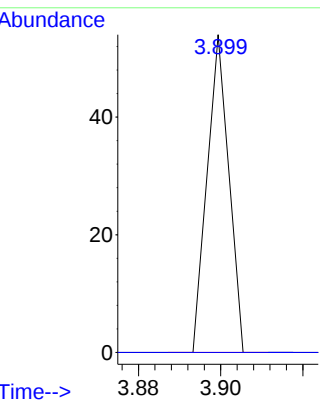
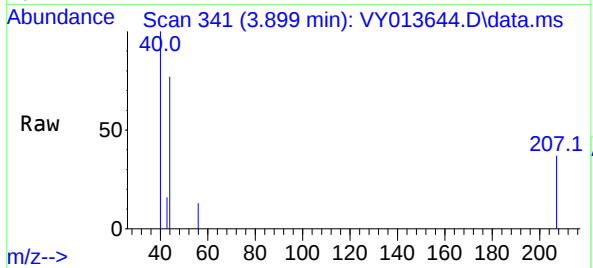




#13  
Acrolein  
Concen: Below Cal  
RT: 3.899 min Scan# 341  
Delta R.T. 0.170 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

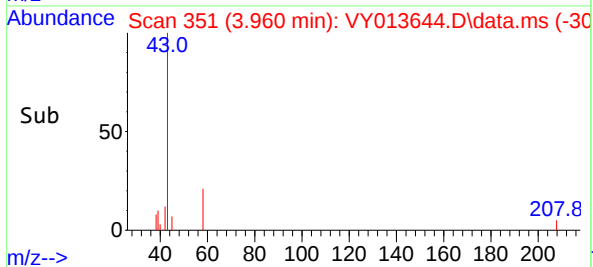
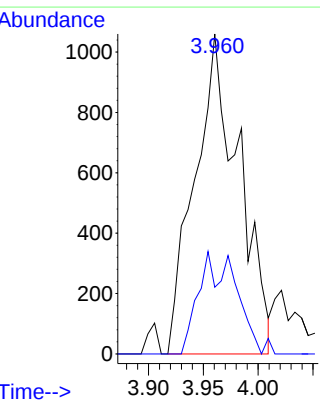
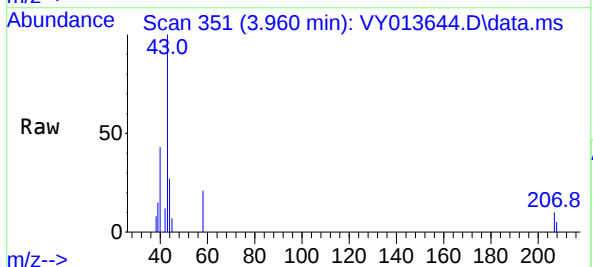
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ZONE-C-0-3-05012023

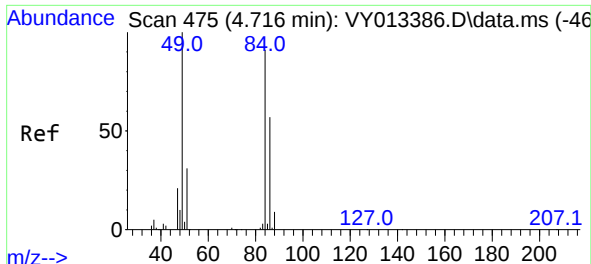
Tgt Ion: 56 Resp: 20  
Ion Ratio Lower Upper  
56 100  
55 0.0 54.1 81.1#



#16  
Acetone  
Concen: 2.723 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.012 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

Tgt Ion: 43 Resp: 2979  
Ion Ratio Lower Upper  
43 100  
58 20.8 25.4 38.0#



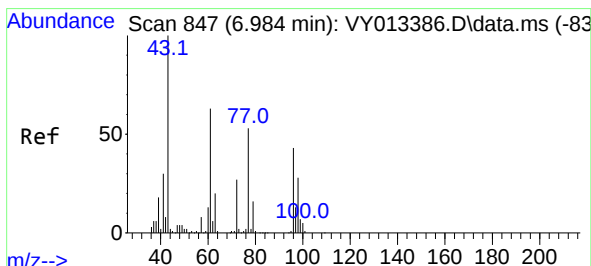
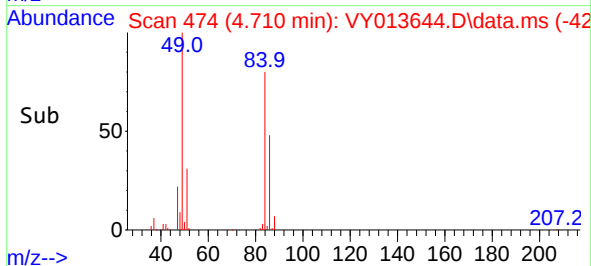
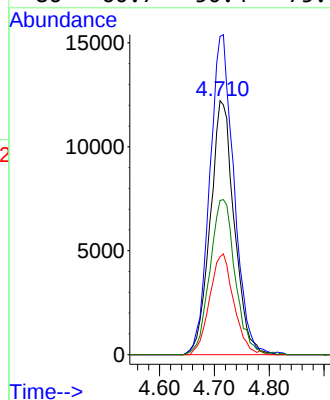
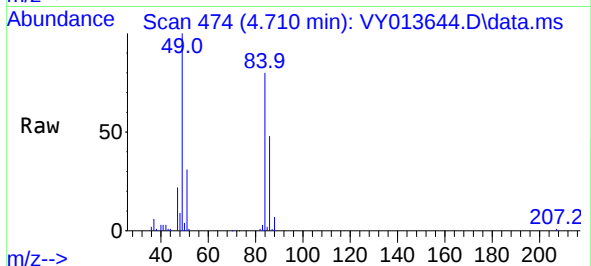


#20  
Methylene Chloride  
Concen: 3.272 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ZONE-C-0-3-05012023

Tgt Ion: 84 Resp: 37120

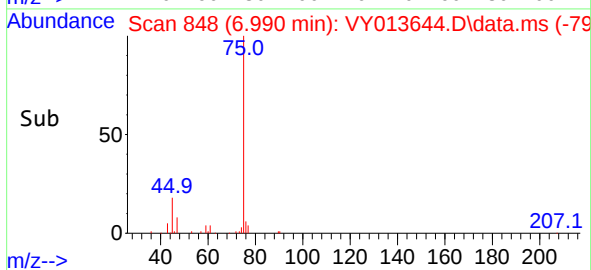
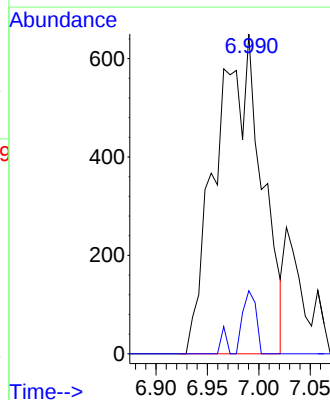
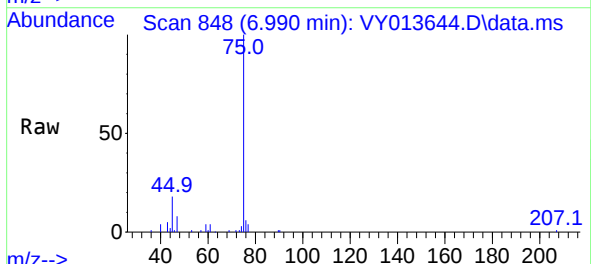
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 125.4 | 88.0  | 132.0 |
| 51  | 38.6  | 27.4  | 41.0  |
| 86  | 60.7  | 50.4  | 75.6  |

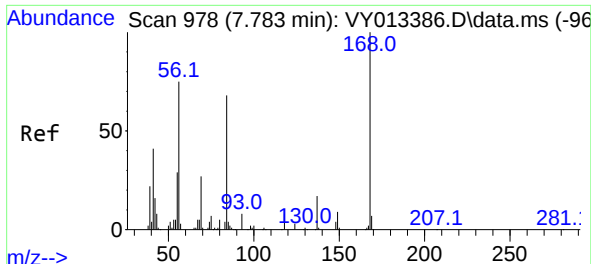


#25  
2-Butanone  
Concen: 1.457 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

Tgt Ion: 43 Resp: 2021

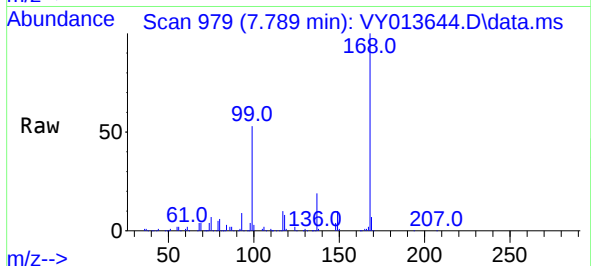
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 19.7  | 21.9  | 32.9# |



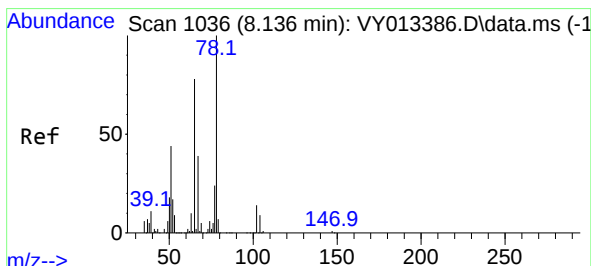
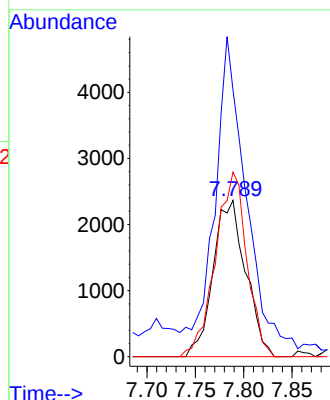
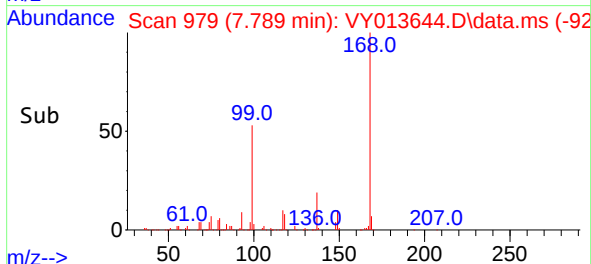


#31  
Cyclohexane  
Concen: 1.116 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

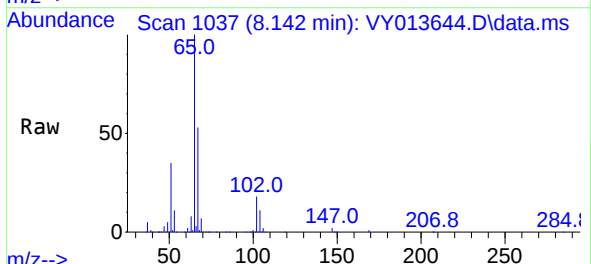
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ZONE-C-0-3-05012023



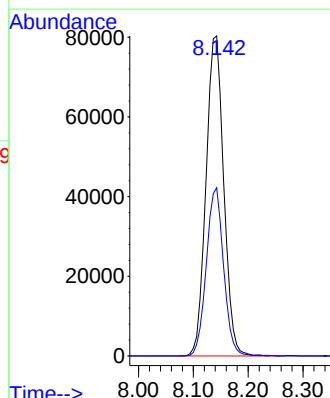
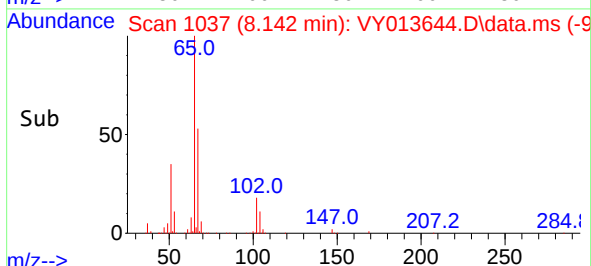
Tgt Ion: 56 Resp: 5549  
Ion Ratio Lower Upper  
56 100  
69 157.5 29.2 43.8#  
84 118.1 73.0 109.6#

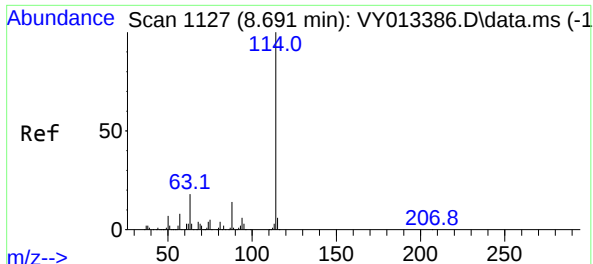


#33  
1,2-Dichloroethane-d4  
Concen: 64.838 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15



Tgt Ion: 65 Resp: 180104  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 103.4

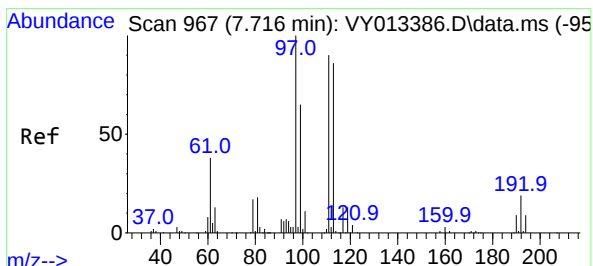
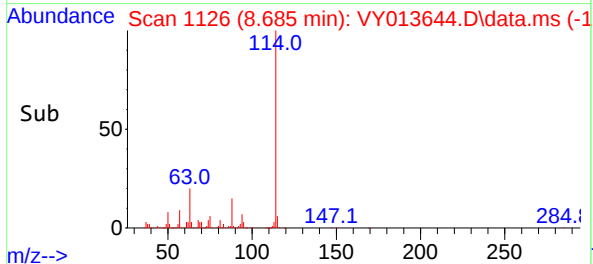
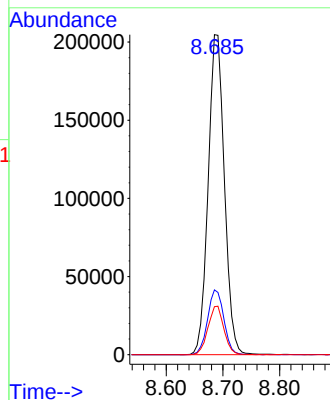
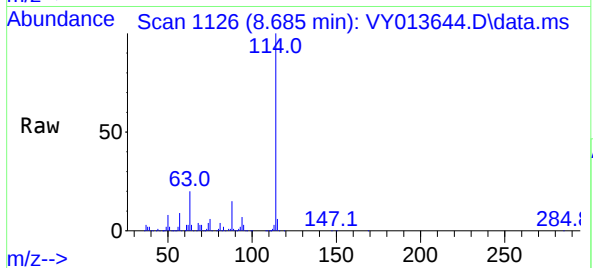




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

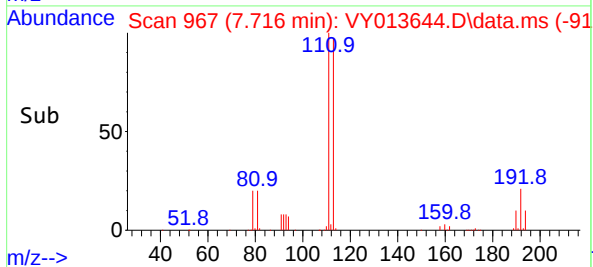
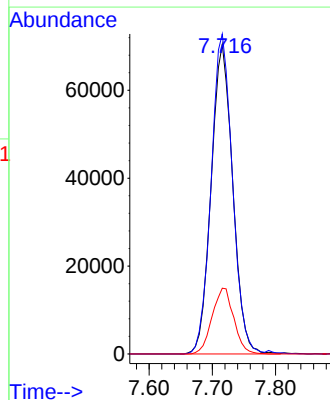
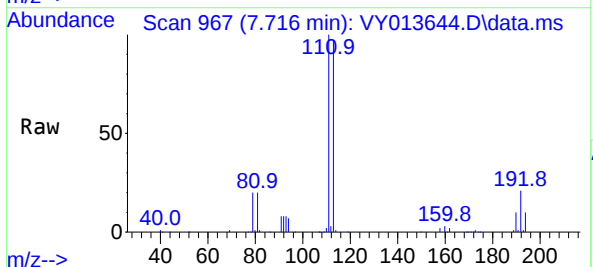
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ZONE-C-0-3-05012023

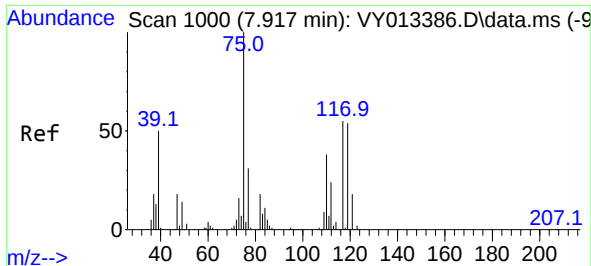
Tgt Ion:114 Resp: 407316  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 36.6  
88 15.0 0.0 28.8



#35  
Dibromofluoromethane  
Concen: 65.035 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

Tgt Ion:113 Resp: 166609  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.2 123.2  
192 21.3 16.7 25.1

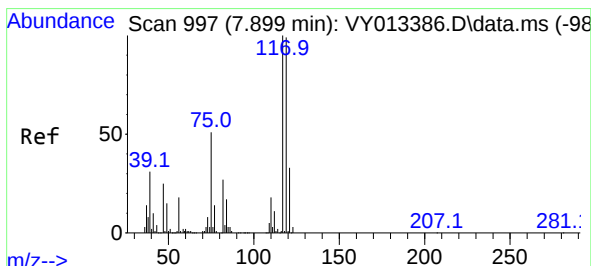
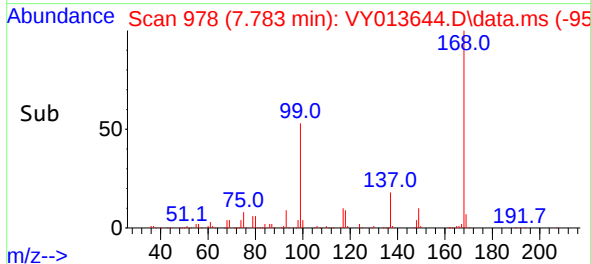
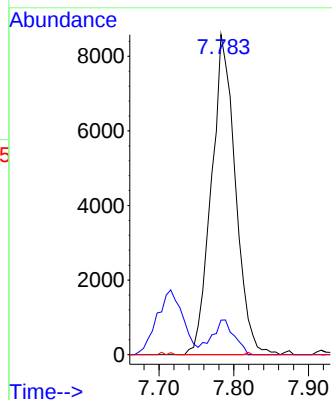
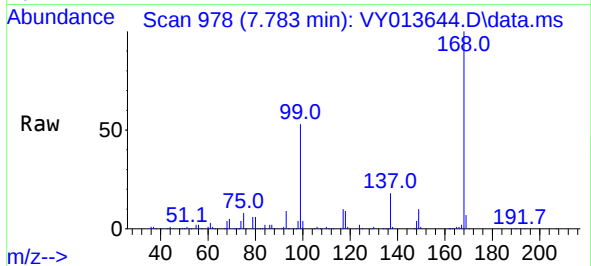




#36  
1,1-Dichloropropene  
Concen: 4.503 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.134 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

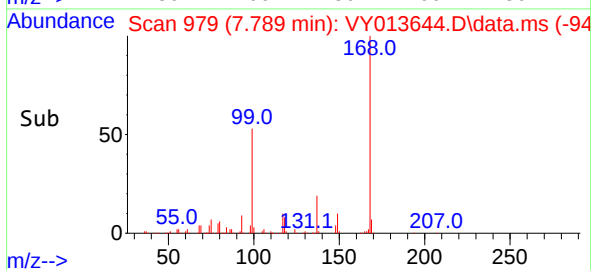
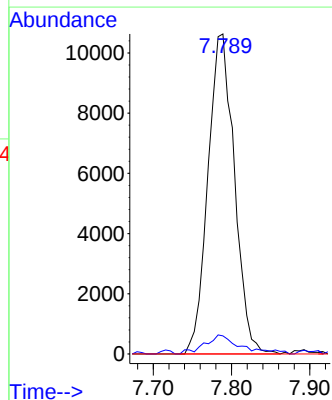
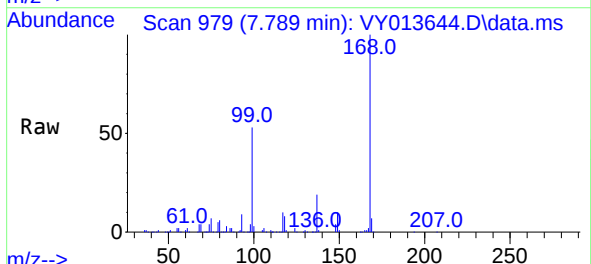
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ZONE-C-0-3-05012023

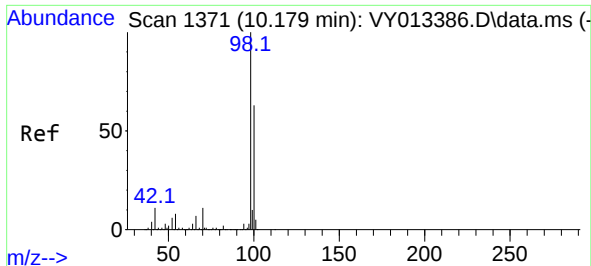
Tgt Ion: 75 Resp: 19146  
Ion Ratio Lower Upper  
75 100  
110 10.0 18.7 56.1#  
77 0.0 24.6 37.0#



#38  
Carbon Tetrachloride  
Concen: 5.602 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.110 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

Tgt Ion: 117 Resp: 24966  
Ion Ratio Lower Upper  
117 100  
119 5.7 79.0 118.6#  
121 0.0 26.6 40.0#

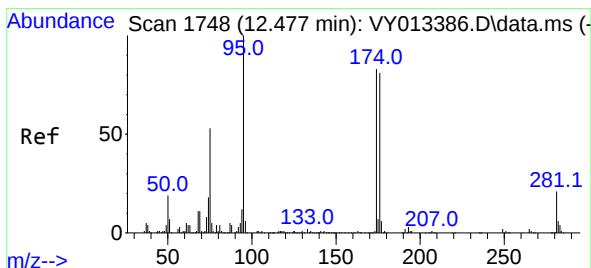
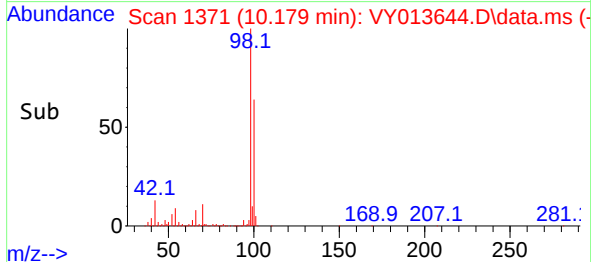
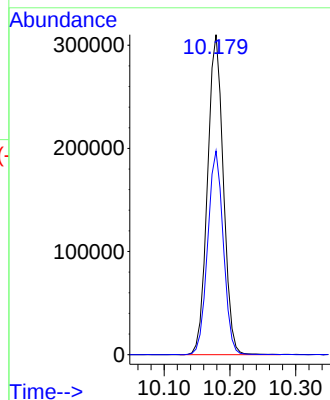
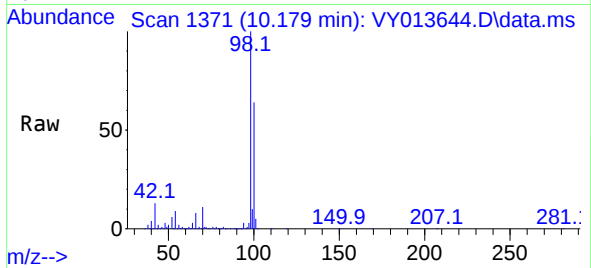




#50  
Toluene-d8  
Concen: 56.983 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

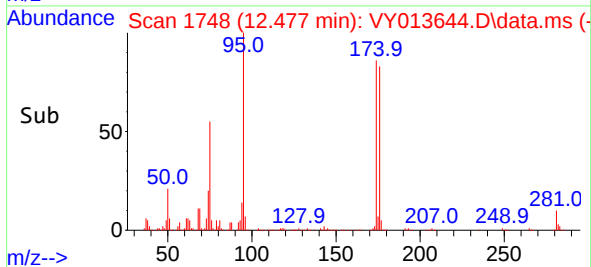
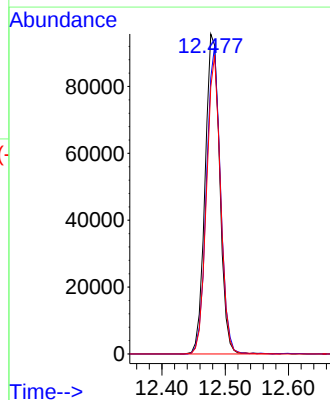
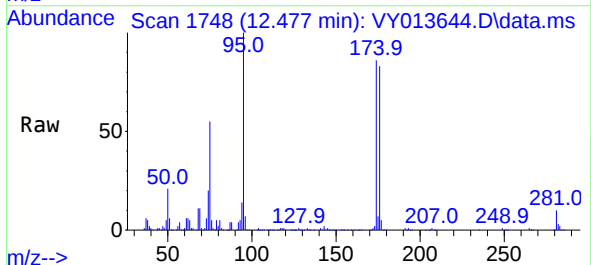
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ZONE-C-0-3-05012023

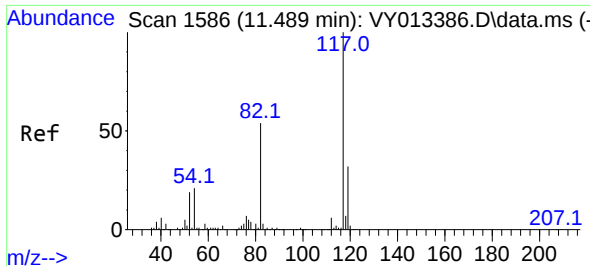
Tgt Ion: 98 Resp: 519316  
Ion Ratio Lower Upper  
98 100  
100 63.0 50.5 75.7



#62  
4-Bromofluorobenzene  
Concen: 50.051 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

Tgt Ion: 95 Resp: 153776  
Ion Ratio Lower Upper  
95 100  
174 92.3 0.0 182.0  
176 89.2 0.0 175.4

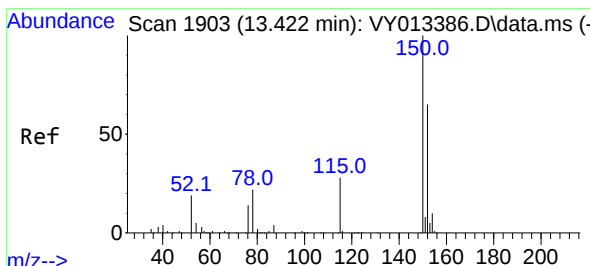
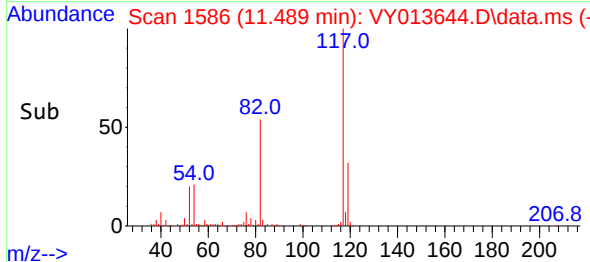
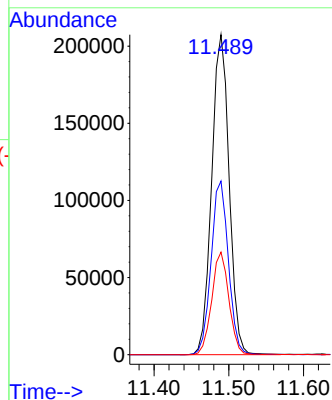
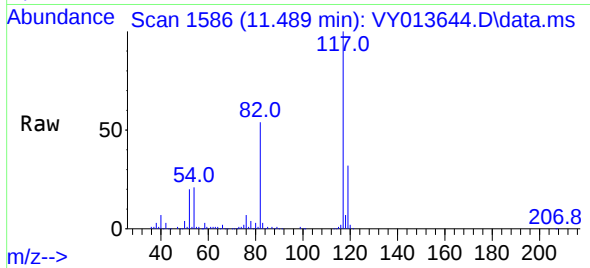




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

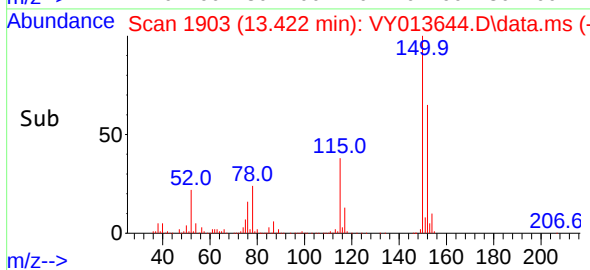
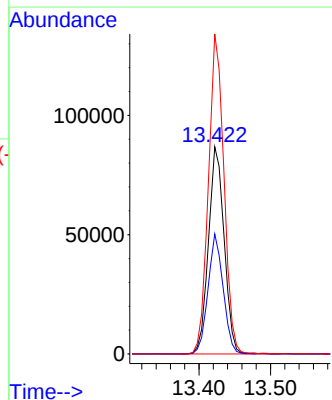
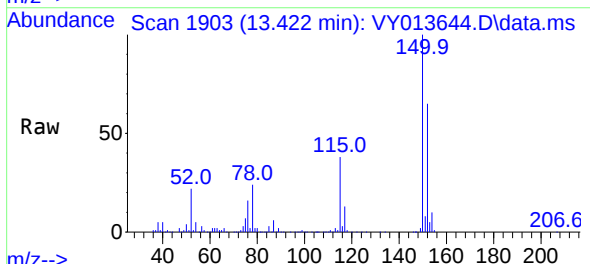
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ZONE-C-0-3-05012023

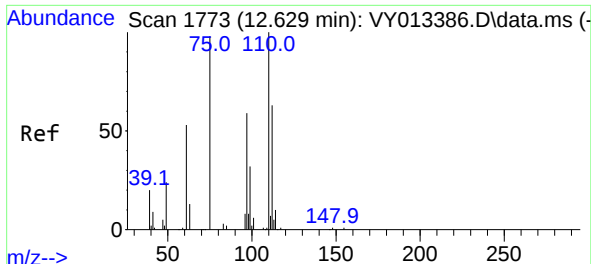
Tgt Ion:117 Resp: 336749  
Ion Ratio Lower Upper  
117 100  
82 54.2 43.0 64.6  
119 32.1 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

Tgt Ion:152 Resp: 132604  
Ion Ratio Lower Upper  
152 100  
115 55.8 28.1 84.2  
150 152.4 0.0 352.0

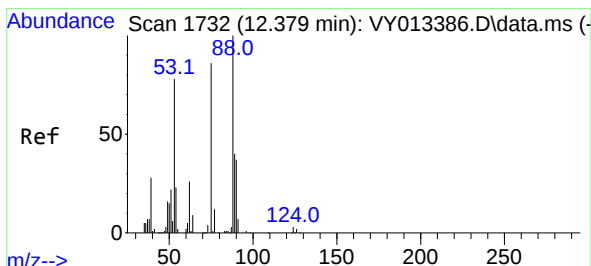
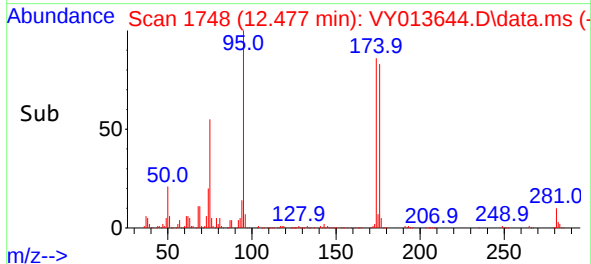
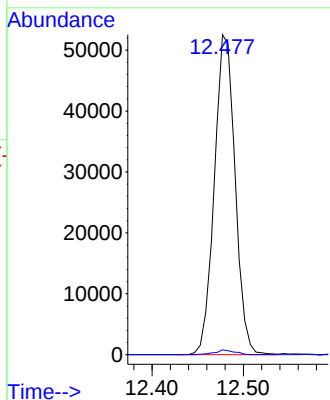
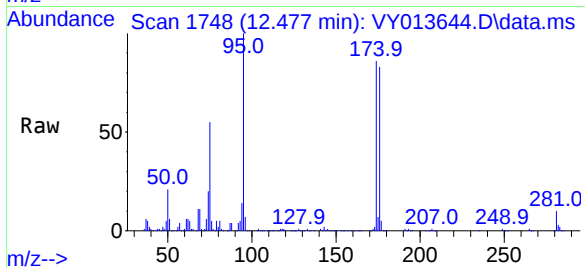




#76  
1,2,3-Trichloropropane  
Concen: 46.485 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ZONE-C-0-3-05012023

Tgt Ion: 75 Resp: 83130  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 95.087 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.098 min  
Lab File: VY013644.D  
Acq: 08 May 2023 13:15

Tgt Ion: 75 Resp: 83130  
Ion Ratio Lower Upper  
75 100  
53 0.4 73.2 109.8#  
89 0.0 38.0 57.0#

