

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110922\  
 Data File : VD074823.D  
 Acq On : 09 Nov 2022 12:59  
 Operator : VA/SY  
 Sample : N5485-01RE  
 Misc : 5.08G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OR-03-110422RE

Quant Time: Nov 09 14:04:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 03 02:30:45 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 182788   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 341919   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.580 | 117  | 299178   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 125786   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.233  | 65    | 60046    | 41.476   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 82.960% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 79009    | 39.063   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 78.120% |
| 50) Toluene-d8              | 10.269 | 98    | 261581   | 35.455   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 70.920% |
| 62) 4-Bromofluorobenzene    | 12.574 | 95    | 79969    | 37.540   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 75.080% |

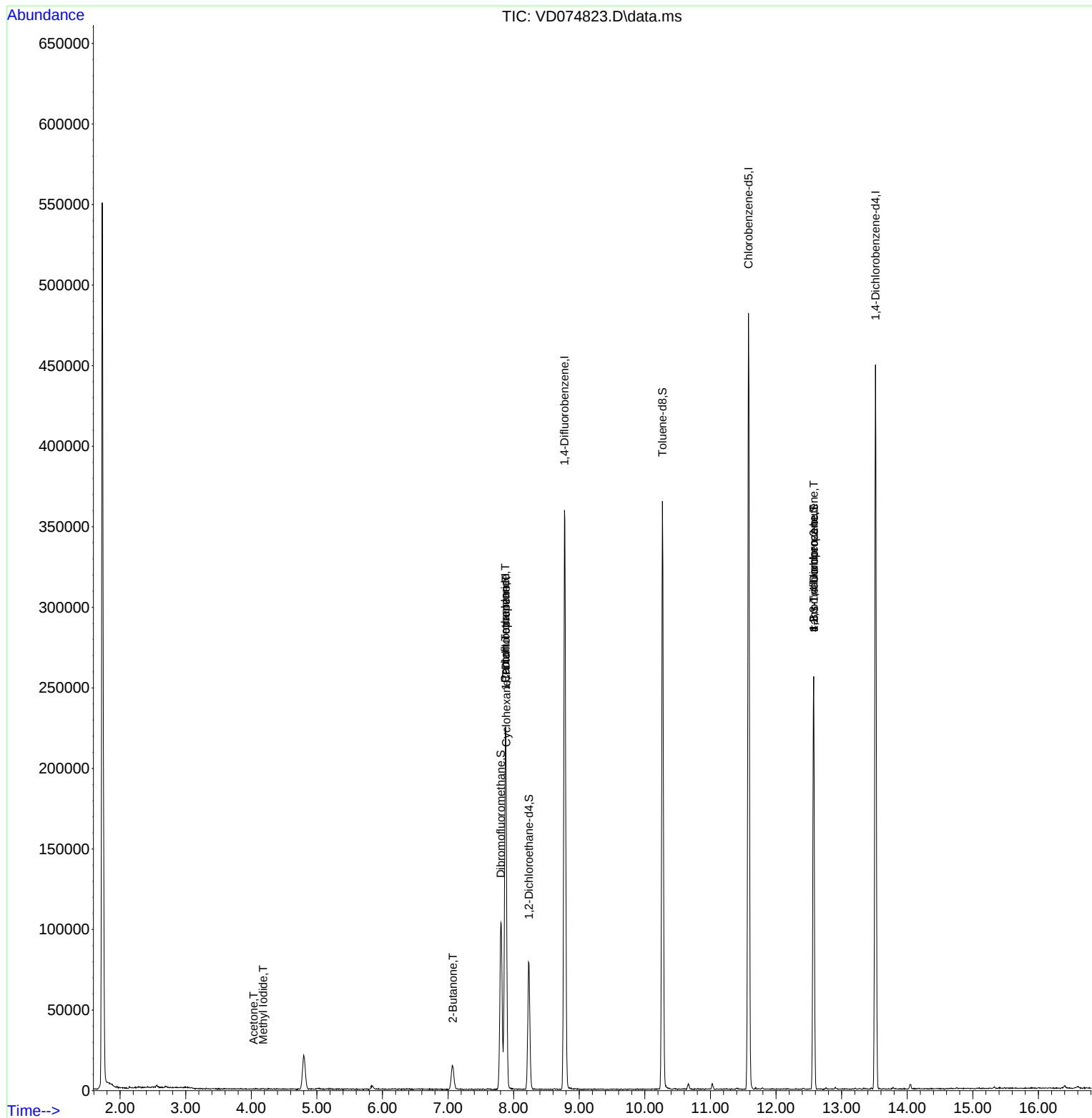
| Target Compounds              |        |     |       |           | Qvalue |    |
|-------------------------------|--------|-----|-------|-----------|--------|----|
| 10) Methyl Iodide             | 4.181  | 142 | 141   | 5.607     | ug/l # | 43 |
| 11) Tert butyl alcohol        | 5.028  | 59  | 243   | Below Cal | #      | 84 |
| 16) Acetone                   | 4.034  | 43  | 452   | 1.496     | ug/l # | 37 |
| 20) Methylene Chloride        | 4.798  | 84  | 18113 | Below Cal |        | 90 |
| 25) 2-Butanone                | 7.075  | 43  | 746   | 1.796     | ug/l # | 42 |
| 31) Cyclohexane               | 7.886  | 56  | 3528  | 1.204     | ug/l # | 35 |
| 36) 1,1-Dichloropropene       | 7.881  | 75  | 13234 | 4.311     | ug/l # | 46 |
| 38) Carbon Tetrachloride      | 7.875  | 117 | 17693 | 6.083     | ug/l # | 19 |
| 76) 1,2,3-Trichloropropane    | 12.574 | 75  | 38212 | 39.188    | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.574 | 75  | 38212 | 93.022    | ug/l # | 17 |

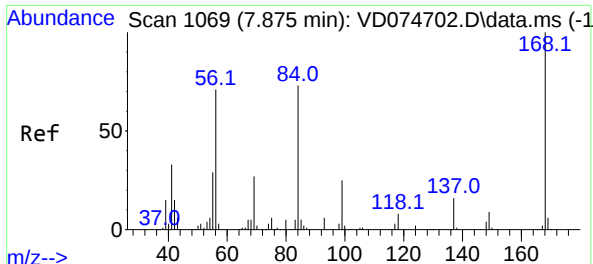
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N5485-01RE  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-03-110422RE

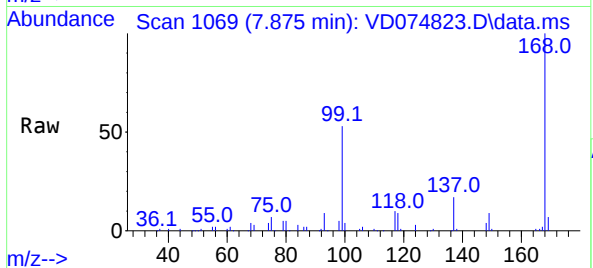
Quant Time: Nov 09 14:04:28 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 03 02:30:45 2022  
Response via : Initial Calibration



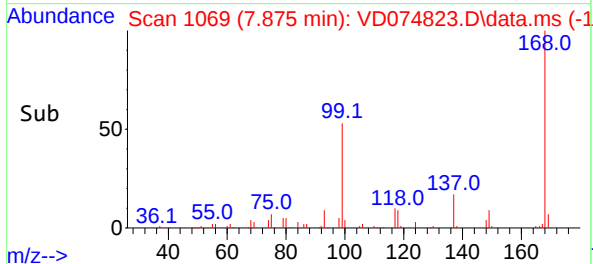
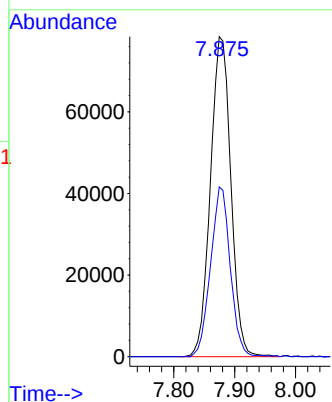


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD074823.D  
Acq: 09 Nov 2022 12:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-03-110422RE

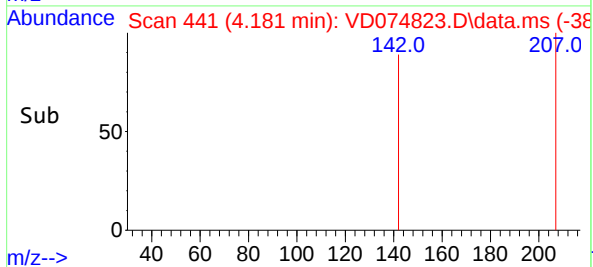
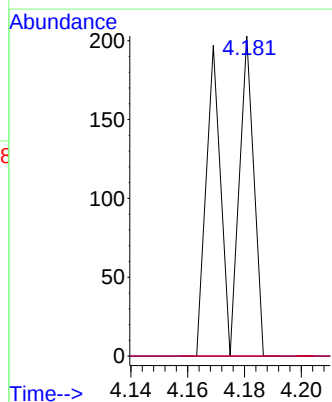
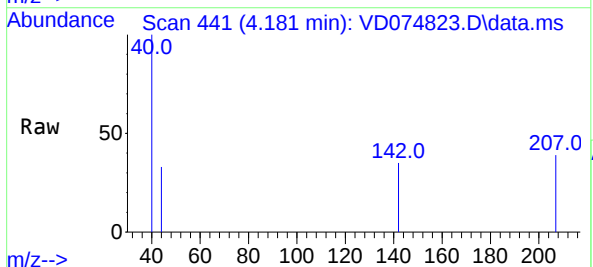


Tgt Ion:168 Resp: 182788  
Ion Ratio Lower Upper  
168 100  
99 53.1 40.9 61.3



#10  
Methyl Iodide  
Concen: 5.607 ug/l  
RT: 4.181 min Scan# 441  
Delta R.T. 0.023 min  
Lab File: VD074823.D  
Acq: 09 Nov 2022 12:59

Tgt Ion:142 Resp: 141  
Ion Ratio Lower Upper  
142 100  
127 0.0 31.9 47.9#  
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.028 min Scan# 51

Delta R.T. -0.018 min

Lab File: VD074823.D

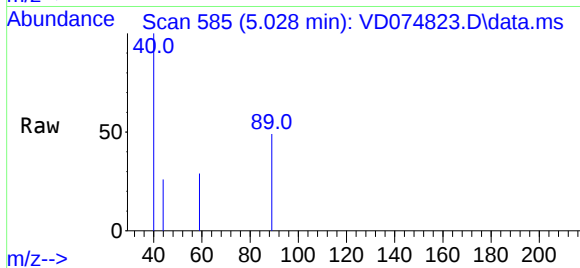
Acq: 09 Nov 2022 12:59

Instrument :

MSVOA\_D

ClientSampleId :

OR-03-110422RE

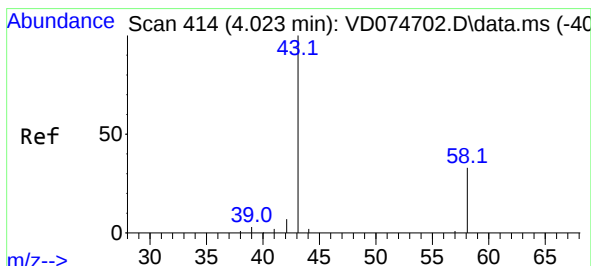
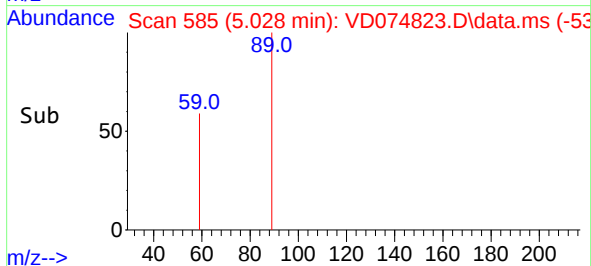
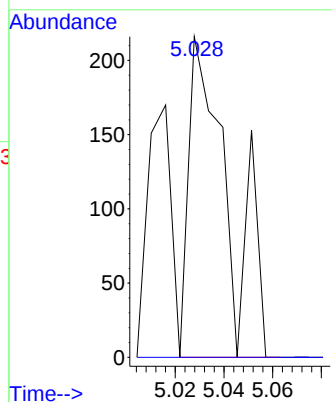


Tgt Ion: 59 Resp: 243

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 1.496 ug/l

RT: 4.034 min Scan# 416

Delta R.T. 0.011 min

Lab File: VD074823.D

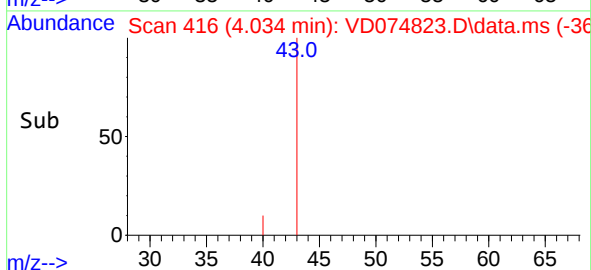
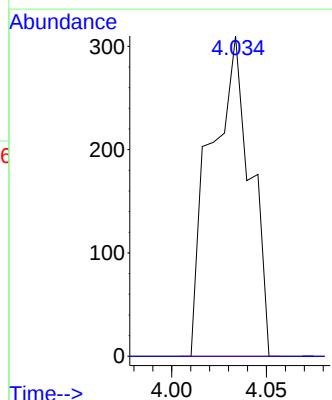
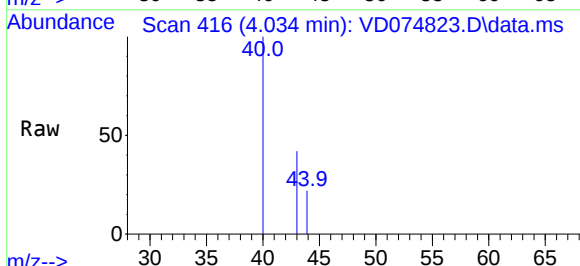
Acq: 09 Nov 2022 12:59

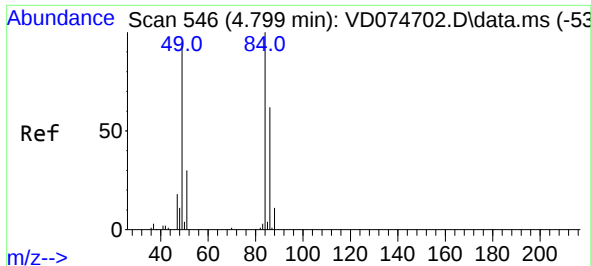
Tgt Ion: 43 Resp: 452

Ion Ratio Lower Upper

43 100

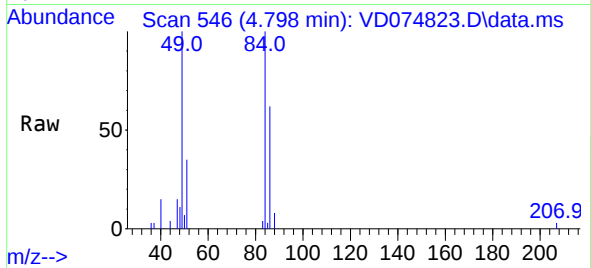
58 0.0 30.2 45.2#





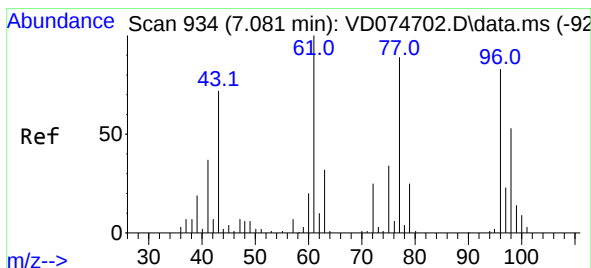
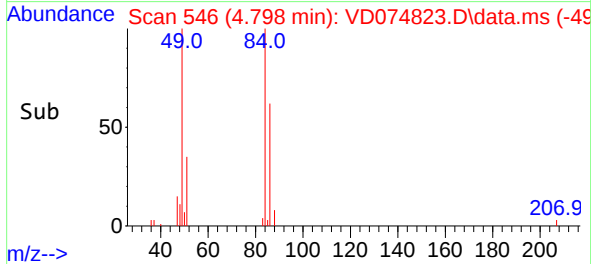
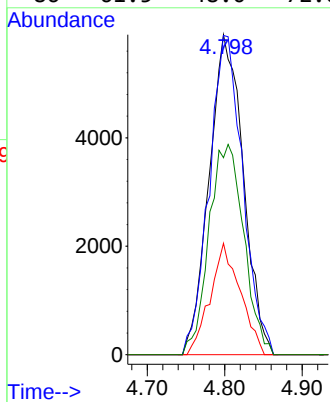
#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.798 min Scan# 54  
Delta R.T. -0.001 min  
Lab File: VD074823.D  
Acq: 09 Nov 2022 12:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-03-110422RE



Tgt Ion: 84 Resp: 18113

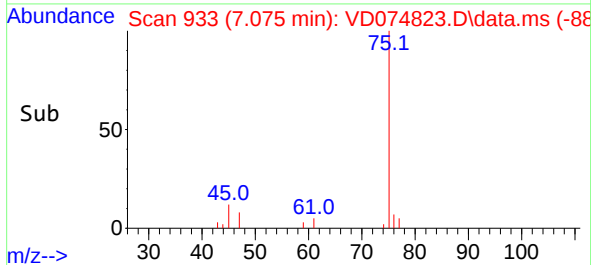
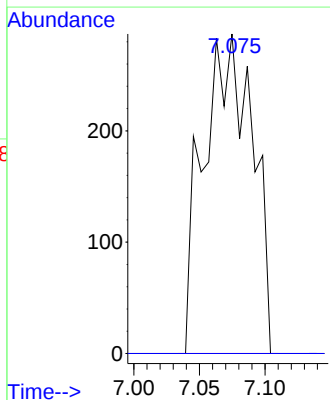
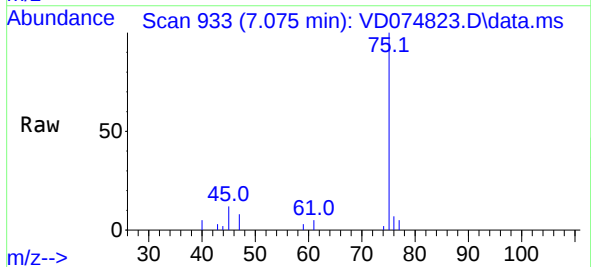
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 99.8  | 68.0  | 102.0 |
| 51  | 34.8  | 23.2  | 34.8  |
| 86  | 61.5  | 48.0  | 72.0  |

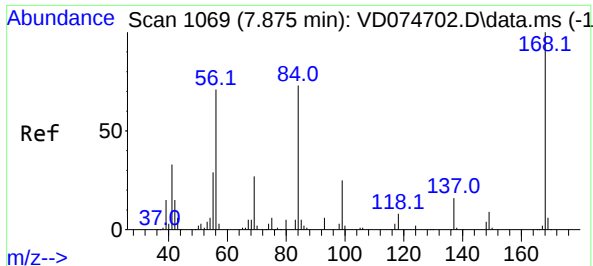


#25  
2-Butanone  
Concen: 1.796 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. -0.006 min  
Lab File: VD074823.D  
Acq: 09 Nov 2022 12:59

Tgt Ion: 43 Resp: 746

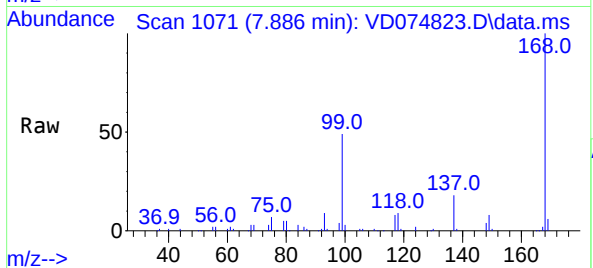
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 25.8  | 38.8# |



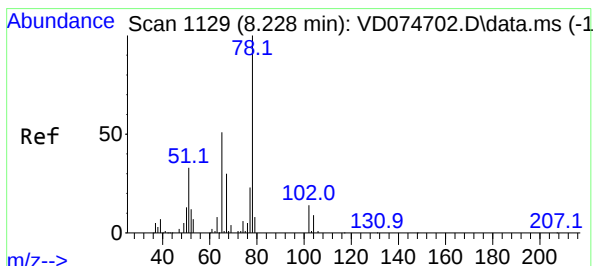
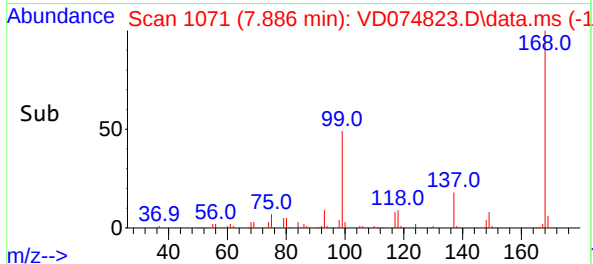
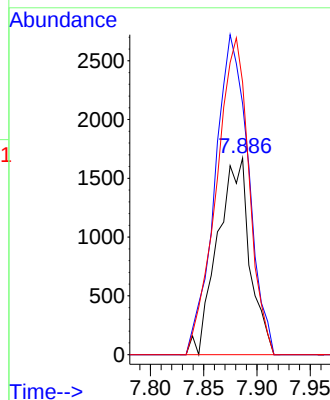


#31  
Cyclohexane  
Concen: 1.204 ug/l  
RT: 7.886 min Scan# 1130  
Delta R.T. 0.011 min  
Lab File: VD074823.D  
Acq: 09 Nov 2022 12:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-03-110422RE

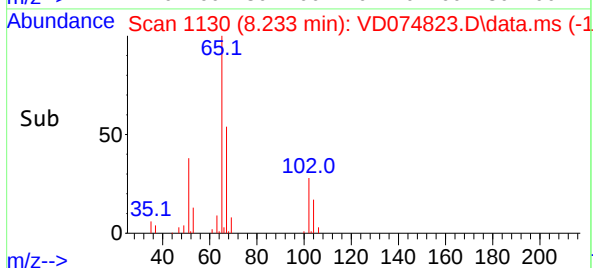
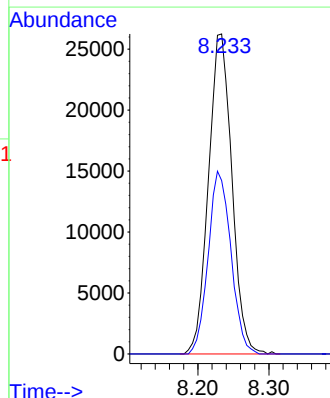
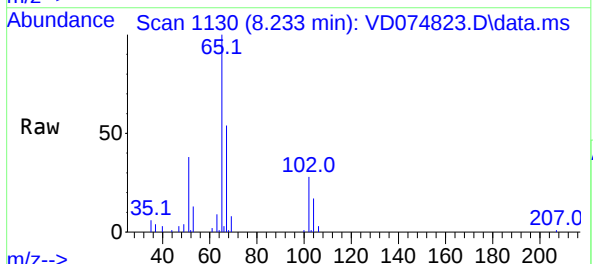


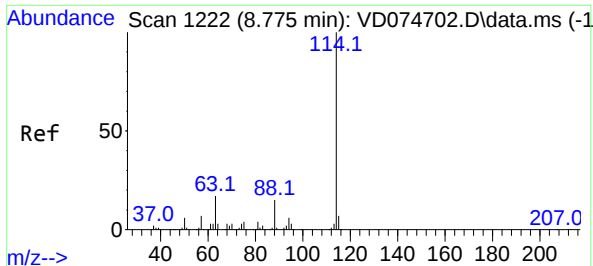
Tgt Ion: 56 Resp: 3528  
Ion Ratio Lower Upper  
56 100  
69 127.6 29.2 43.8#  
84 138.5 83.4 125.2#



#33  
1,2-Dichloroethane-d4  
Concen: 41.476 ug/l  
RT: 8.233 min Scan# 1130  
Delta R.T. 0.005 min  
Lab File: VD074823.D  
Acq: 09 Nov 2022 12:59

Tgt Ion: 65 Resp: 60046  
Ion Ratio Lower Upper  
65 100  
67 55.5 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD074823.D

Acq: 09 Nov 2022 12:59

Instrument :

MSVOA\_D

ClientSampleId :

OR-03-110422RE

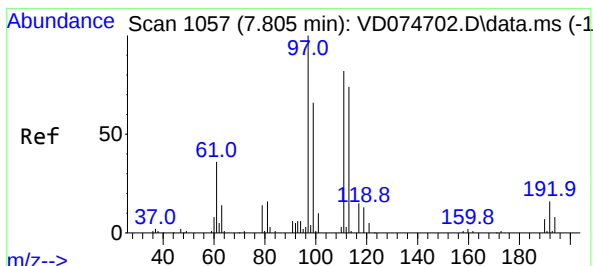
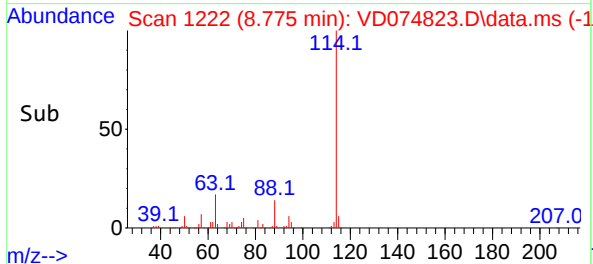
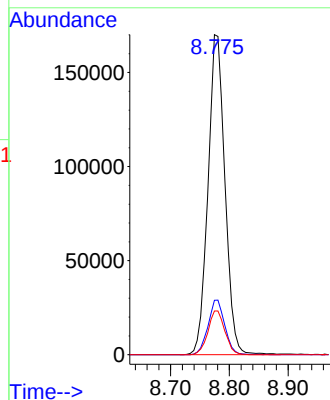
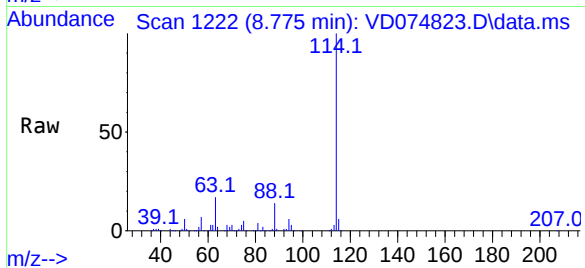
Tgt Ion:114 Resp: 341919

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.2

88 13.7 0.0 28.2



#35

Dibromofluoromethane

Concen: 39.063 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD074823.D

Acq: 09 Nov 2022 12:59

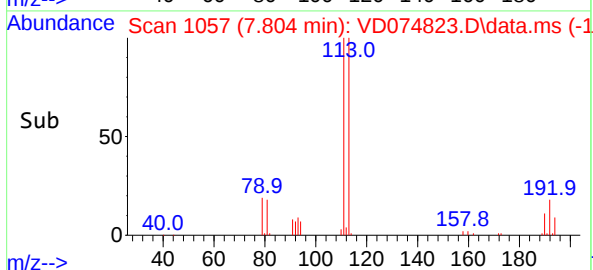
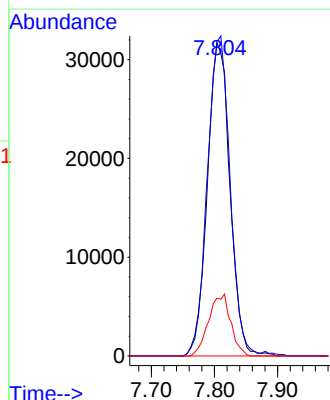
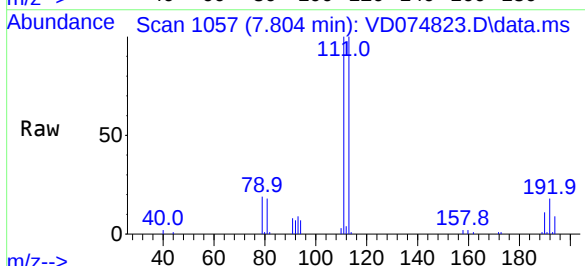
Tgt Ion:113 Resp: 79009

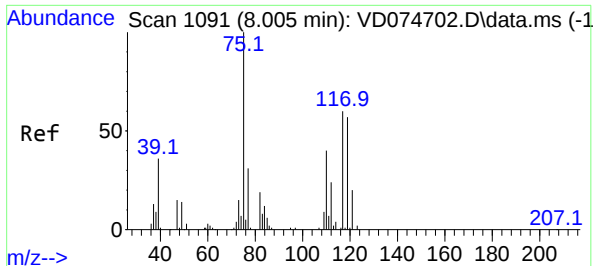
Ion Ratio Lower Upper

113 100

111 101.9 82.3 123.5

192 19.2 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.311 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. -0.124 min

Lab File: VD074823.D

Acq: 09 Nov 2022 12:59

Instrument :

MSVOA\_D

ClientSampleId :

OR-03-110422RE

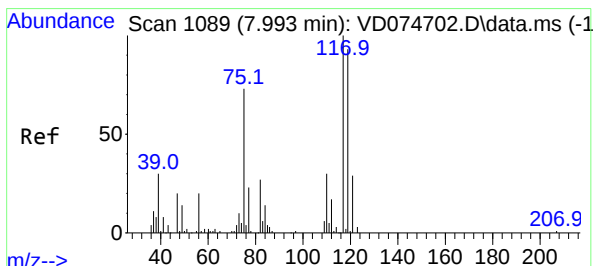
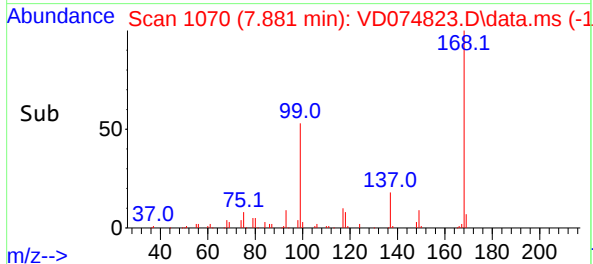
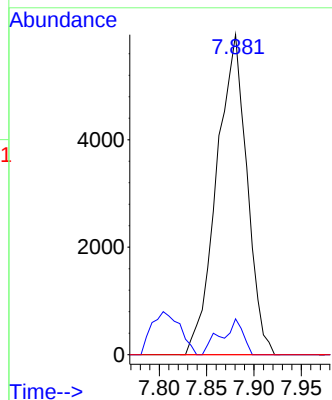
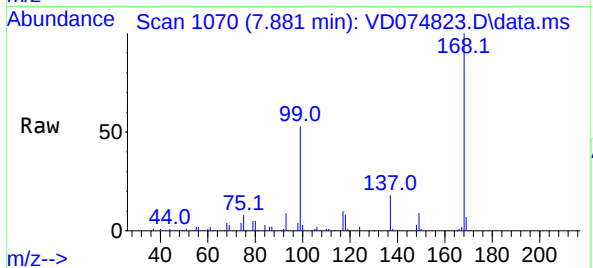
Tgt Ion: 75 Resp: 13234

Ion Ratio Lower Upper

75 100

110 8.0 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.083 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074823.D

Acq: 09 Nov 2022 12:59

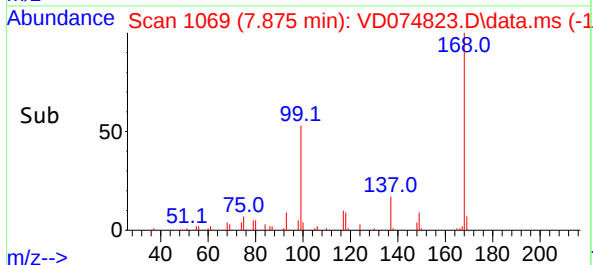
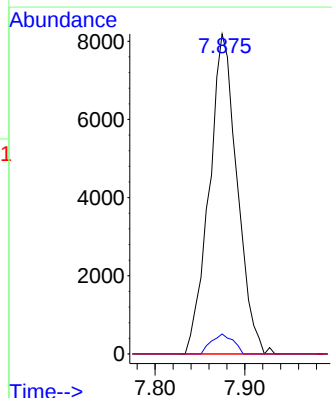
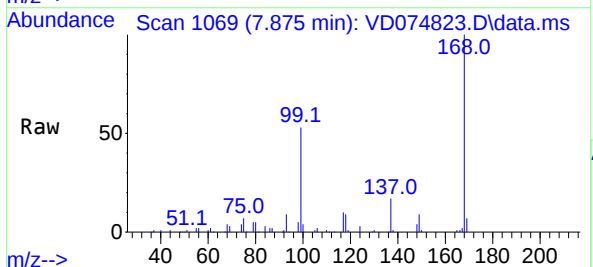
Tgt Ion: 117 Resp: 17693

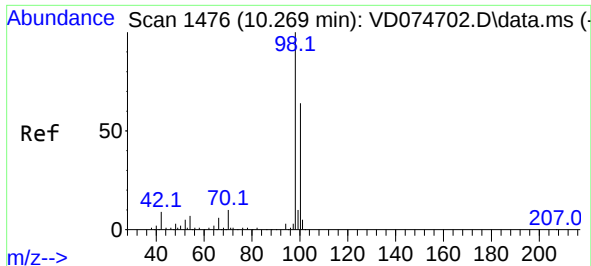
Ion Ratio Lower Upper

117 100

119 6.3 73.1 109.7#

121 0.0 25.0 37.6#

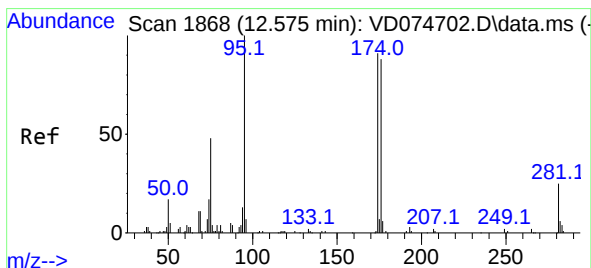
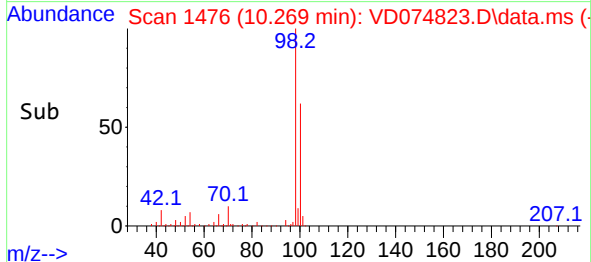
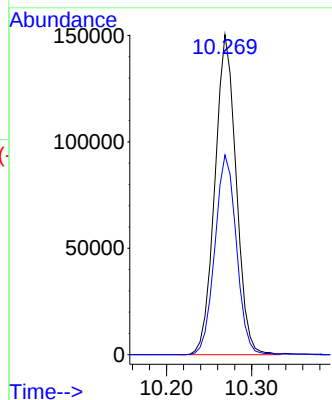
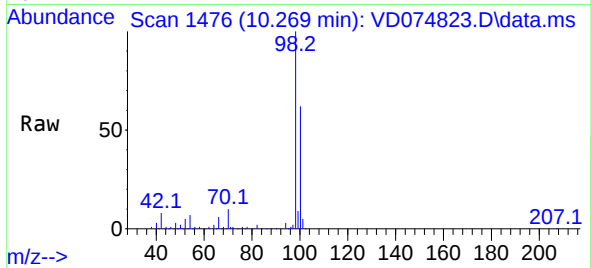




#50  
Toluene-d8  
Concen: 35.455 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD074823.D  
Acq: 09 Nov 2022 12:59

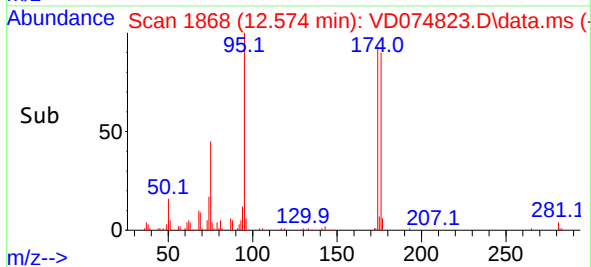
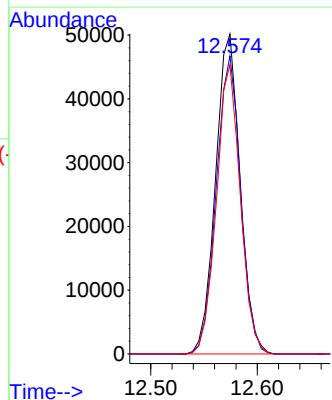
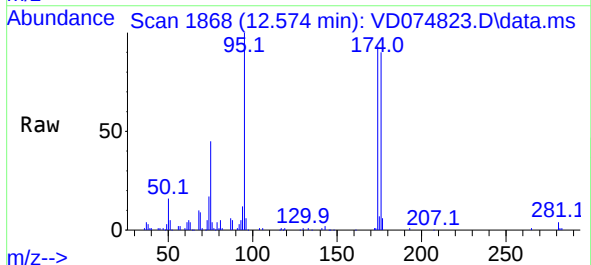
Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-03-110422RE

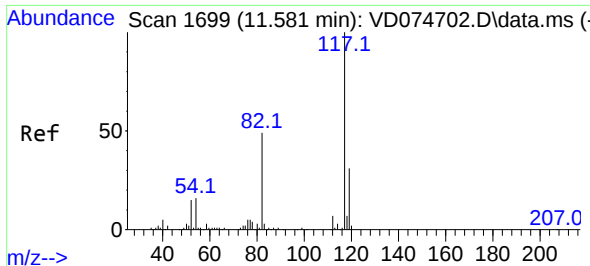
Tgt Ion: 98 Resp: 261581  
Ion Ratio Lower Upper  
98 100  
100 63.2 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 37.540 ug/l  
RT: 12.574 min Scan# 1868  
Delta R.T. -0.001 min  
Lab File: VD074823.D  
Acq: 09 Nov 2022 12:59

Tgt Ion: 95 Resp: 79969  
Ion Ratio Lower Upper  
95 100  
174 93.1 0.0 197.0  
176 88.0 0.0 182.6

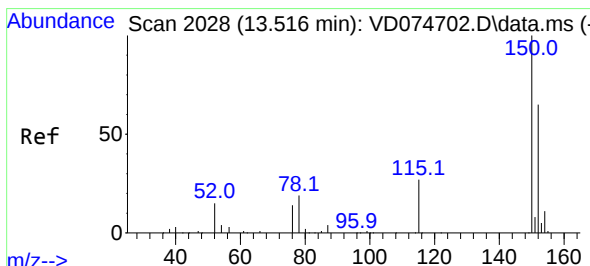
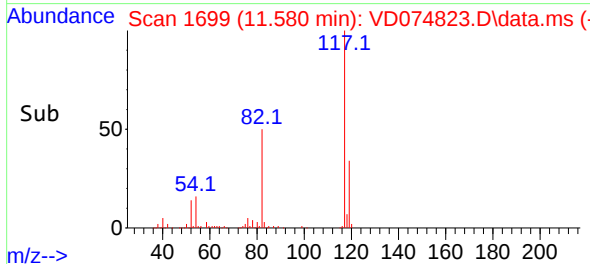
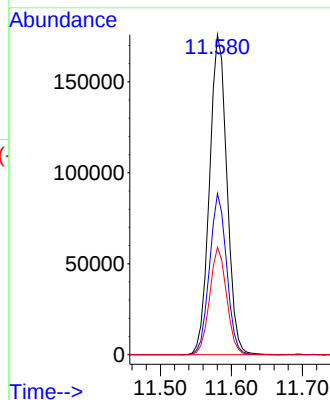
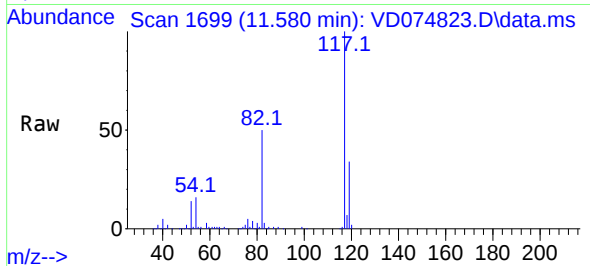




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.580 min Scan# 1699  
Delta R.T. -0.001 min  
Lab File: VD074823.D  
Acq: 09 Nov 2022 12:59

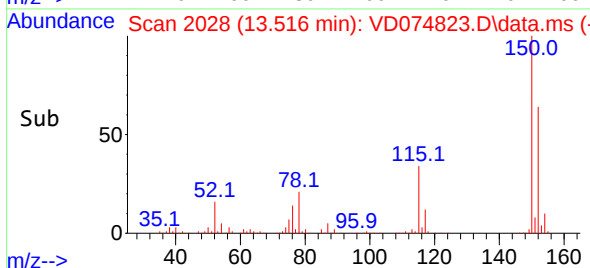
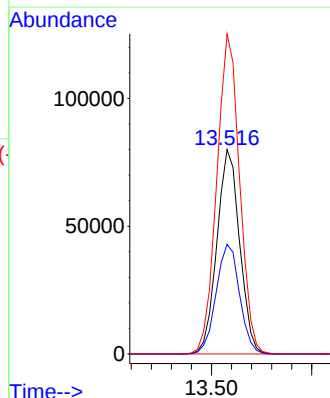
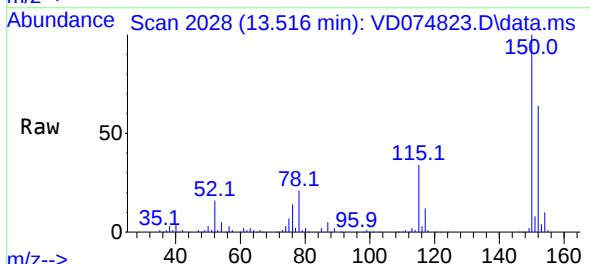
Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-03-110422RE

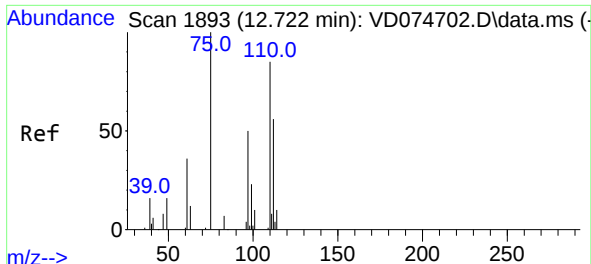
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 299178 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 50.4  | 41.6  | 62.4   |
| 119      | 33.6  | 25.2  | 37.8   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD074823.D  
Acq: 09 Nov 2022 12:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 125786 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 55.3  | 26.8  | 80.4   |
| 150      | 157.1 | 0.0   | 348.2  |

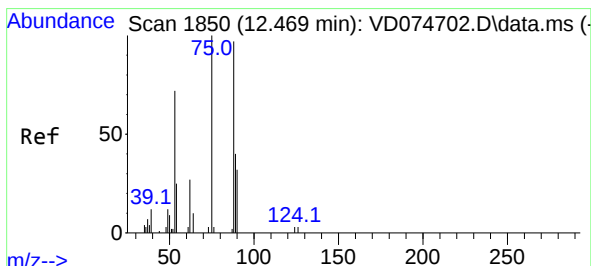
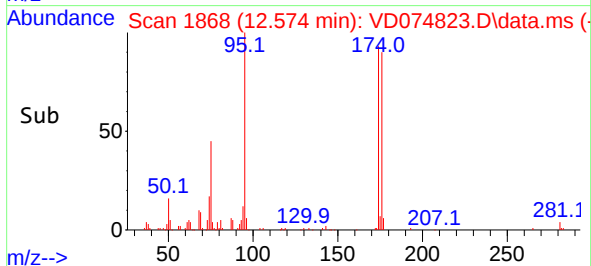
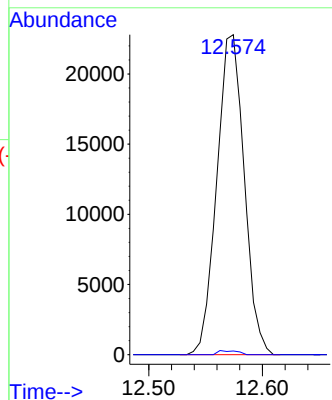
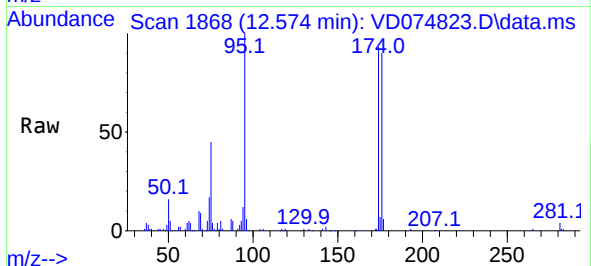




#76  
1,2,3-Trichloropropane  
Concen: 39.188 ug/l  
RT: 12.574 min Scan# 1868  
Delta R.T. -0.148 min  
Lab File: VD074823.D  
Acq: 09 Nov 2022 12:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-03-110422RE

Tgt Ion: 75 Resp: 38212  
Ion Ratio Lower Upper  
75 100  
77 0.9 185.8 557.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 93.022 ug/l  
RT: 12.574 min Scan# 1868  
Delta R.T. 0.105 min  
Lab File: VD074823.D  
Acq: 09 Nov 2022 12:59

Tgt Ion: 75 Resp: 38212  
Ion Ratio Lower Upper  
75 100  
53 0.0 63.8 95.6#  
89 0.0 38.2 57.4#

