

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032824\  
 Data File : VD078773.D  
 Acq On : 28 Mar 2024 14:40  
 Operator : RP/MD  
 Sample : P1894-04  
 Misc : 5.06G/5ml/MSVOA\_D/SOIL/B  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RB40858RT

Quant Time: Mar 29 01:34:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 05:38:03 2024  
 Response via : Initial Calibration

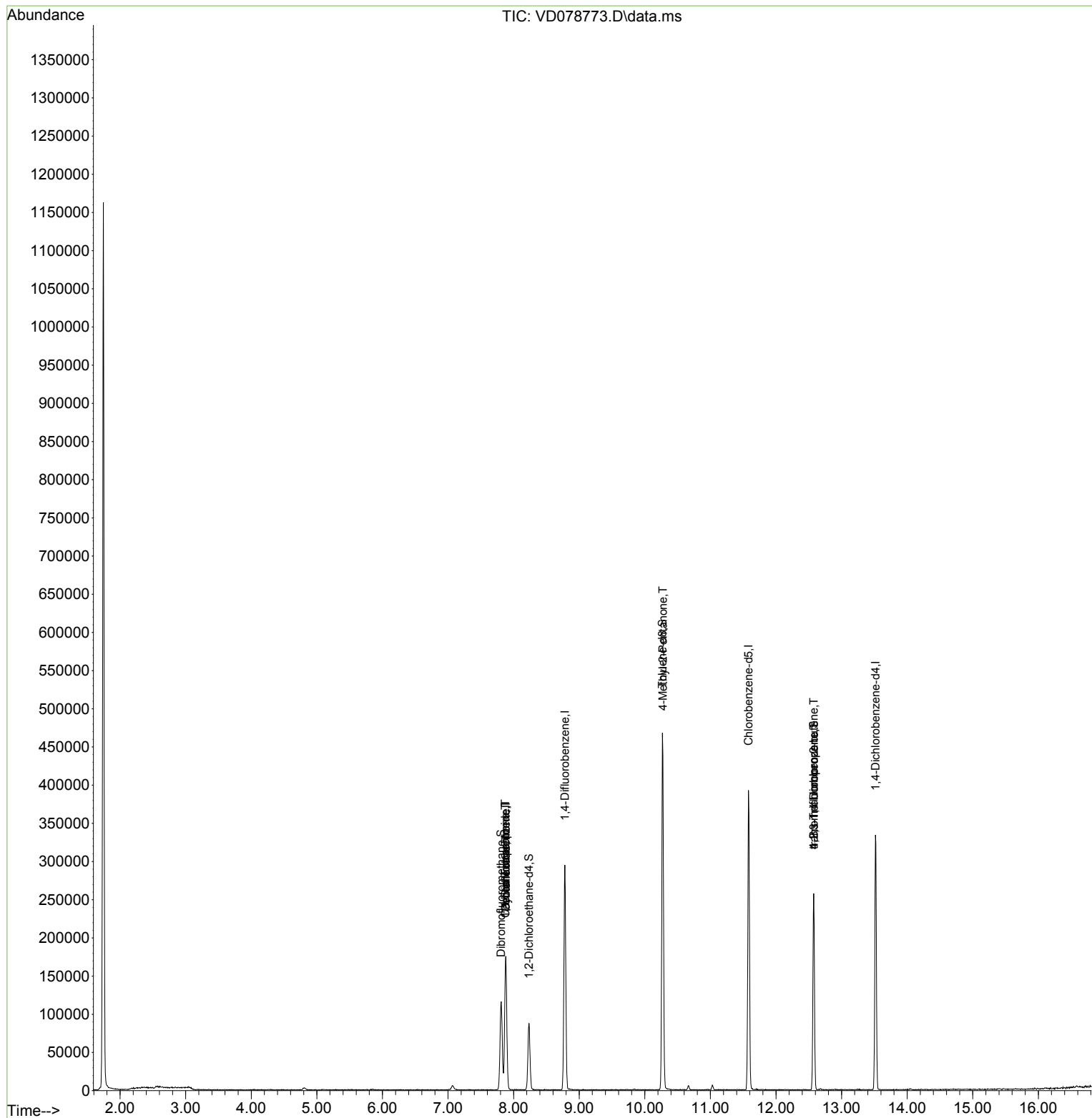
| Compound                      | R.T.           | QIon | Response            | Conc           | Units     | Dev(Min) |
|-------------------------------|----------------|------|---------------------|----------------|-----------|----------|
| -----                         |                |      |                     |                |           |          |
| Internal Standards            |                |      |                     |                |           |          |
| 1) Pentafluorobenzene         | 7.881          | 168  | 138295              | 50.000         | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.781          | 114  | 272347              | 50.000         | ug/l      | 0.00     |
| 63) Chlorobenzene-d5          | 11.581         | 117  | 241780              | 50.000         | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516         | 152  | 95448               | 50.000         | ug/l      | 0.00     |
|                               |                |      |                     |                |           |          |
| System Monitoring Compounds   |                |      |                     |                |           |          |
| 33) 1,2-Dichloroethane-d4     | 8.234          | 65   | 66478               | 51.293         | ug/l      | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 102.580% |                |           |          |
| 35) Dibromofluoromethane      | 7.810          | 113  | 83657               | 47.709         | ug/l      | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 95.420%  |                |           |          |
| 50) Toluene-d8                | 10.269         | 98   | 332481              | 51.557         | ug/l      | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 103.120% |                |           |          |
| 62) 4-Bromofluorobenzene      | 12.575         | 95   | 77742               | 41.207         | ug/l      | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 82.420%  |                |           |          |
|                               |                |      |                     |                |           |          |
| Target Compounds              |                |      |                     |                |           |          |
| 20) Methylene Chloride        | 4.805          | 84   | 2199                | Below Cal      | Qvalue 90 |          |
| 31) Cyclohexane               | 7.881          | 56   | 3062                | 1.406 ug/l #   |           | 28       |
| 36) 1,1-Dichloropropene       | 7.875          | 75   | 10496               | 4.125 ug/l #   |           | 47       |
| 38) Carbon Tetrachloride      | 7.875          | 117  | 13665               | 5.095 ug/l #   |           | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.275         | 43   | 1250                | 1.582 ug/l #   |           | 1        |
| 76) 1,2,3-Trichloropropane    | 12.575         | 75   | 38682               | 52.602 ug/l #  |           | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575         | 75   | 38682               | 110.263 ug/l # |           | 19       |
| -----                         |                |      |                     |                |           |          |

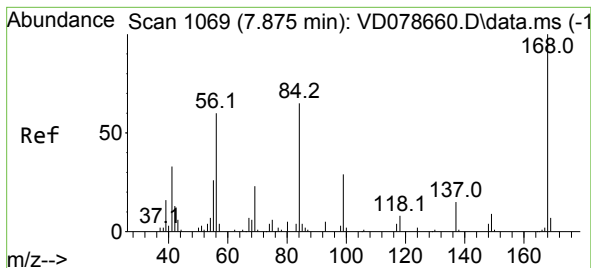
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Mar 15 05:38:03 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078773.D

Acq: 28 Mar 2024 14:40

Instrument :

MSVOA\_D

ClientSampleId :

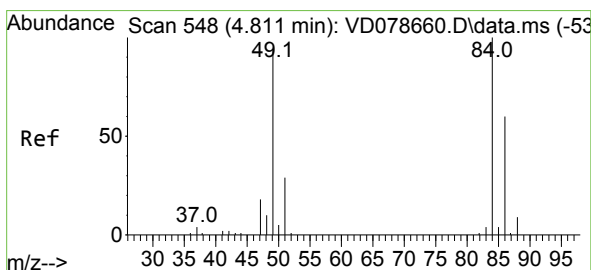
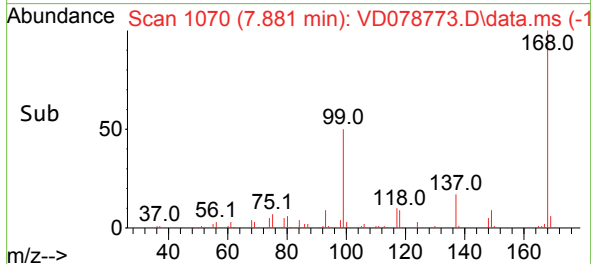
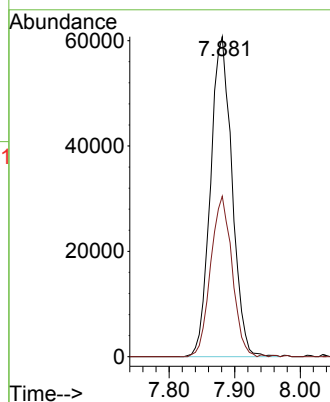
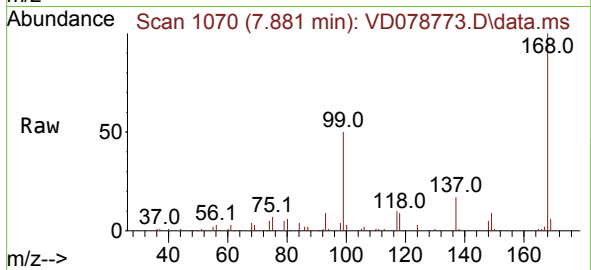
RB40858RT

Tgt Ion:168 Resp: 138295

Ion Ratio Lower Upper

168 100

99 50.2 38.8 58.2



#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 547

Delta R.T. -0.006 min

Lab File: VD078773.D

Acq: 28 Mar 2024 14:40

Tgt Ion: 84 Resp: 2199

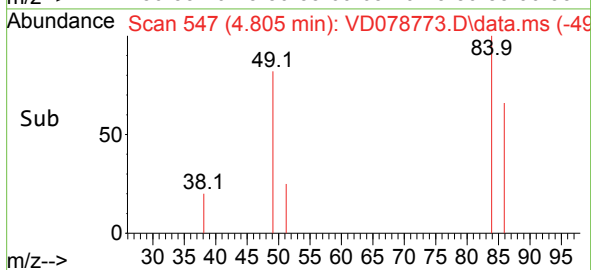
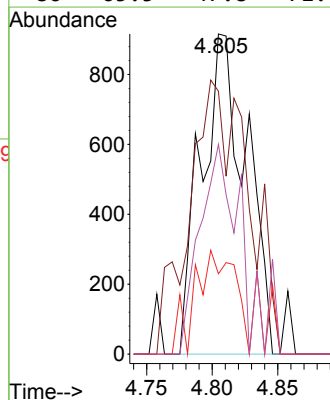
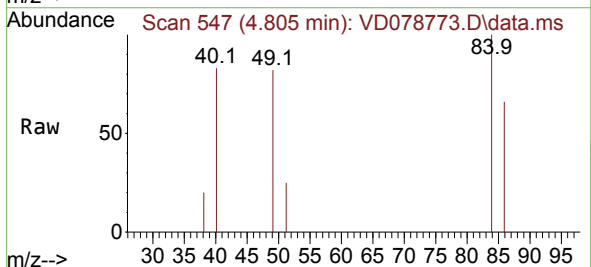
Ion Ratio Lower Upper

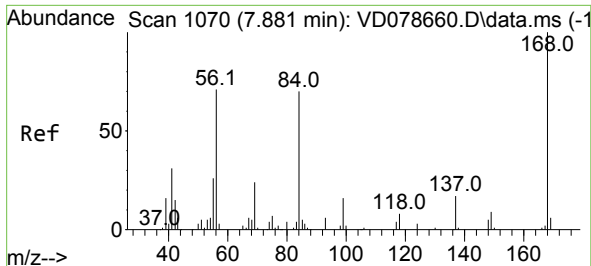
84 100

49 82.1 75.6 113.4

51 25.1 23.4 35.0

86 65.5 47.8 71.6

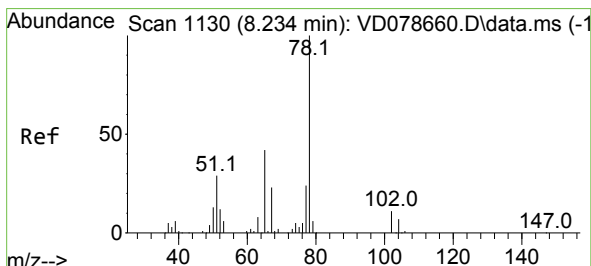
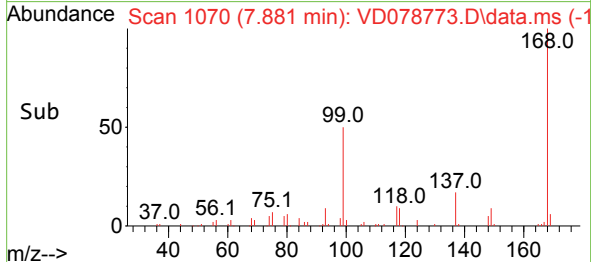
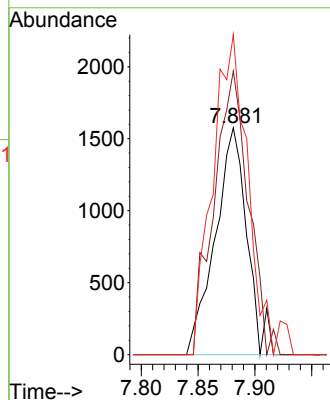
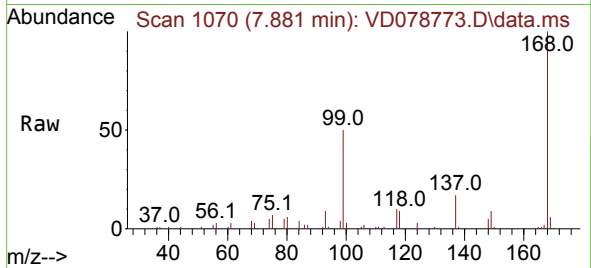




#31  
Cyclohexane  
Concen: 1.406 ug/l  
RT: 7.881 min Scan# 1070  
Delta R.T. 0.000 min  
Lab File: VD078773.D  
Acq: 28 Mar 2024 14:40

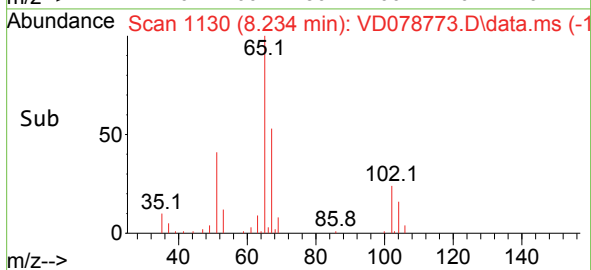
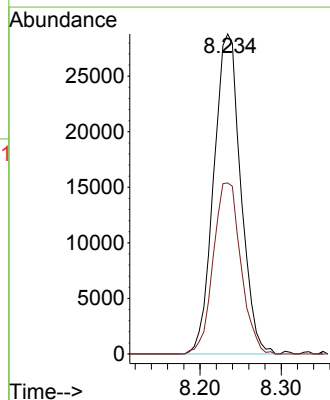
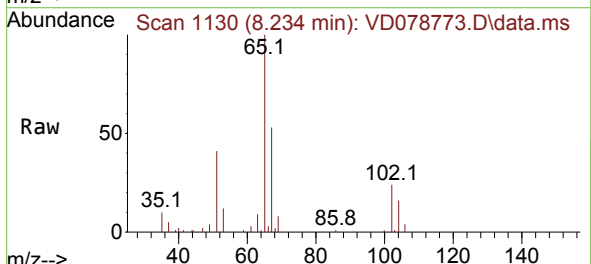
Instrument :  
MSVOA\_D  
ClientSampleId :  
RB40858RT

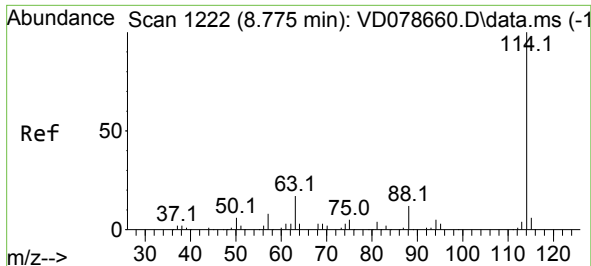
Tgt Ion: 56 Resp: 3062  
Ion Ratio Lower Upper  
56 100  
69 125.1 26.6 40.0#  
84 141.1 79.4 119.2#



#33  
1,2-Dichloroethane-d4  
Concen: 51.293 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VD078773.D  
Acq: 28 Mar 2024 14:40

Tgt Ion: 65 Resp: 66478  
Ion Ratio Lower Upper  
65 100  
67 54.8 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078773.D

Acq: 28 Mar 2024 14:40

Instrument :

MSVOA\_D

ClientSampleId :

RB40858RT

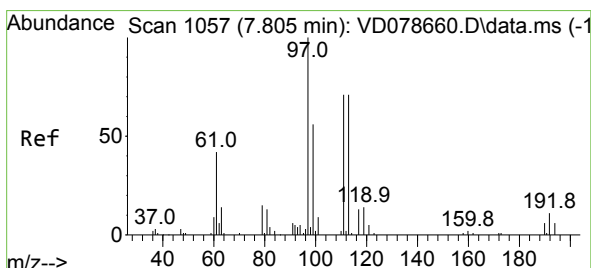
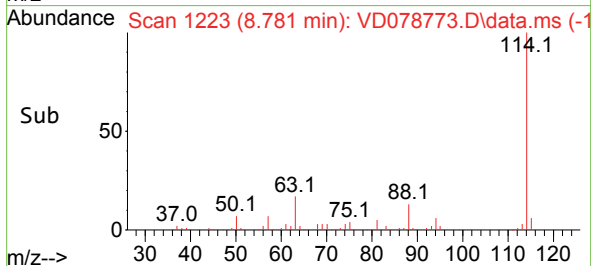
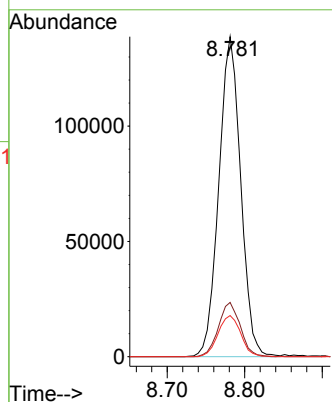
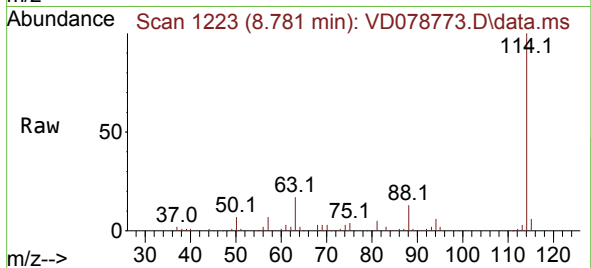
Tgt Ion:114 Resp: 272347

Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.4

88 12.9 0.0 24.6



#35

Dibromofluoromethane

Concen: 47.709 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078773.D

Acq: 28 Mar 2024 14:40

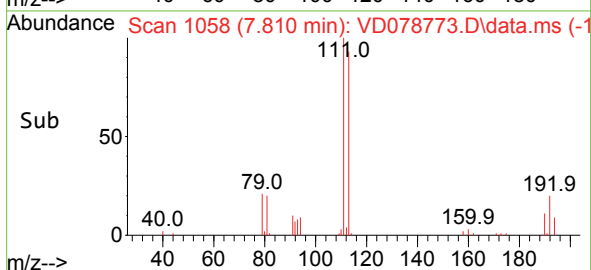
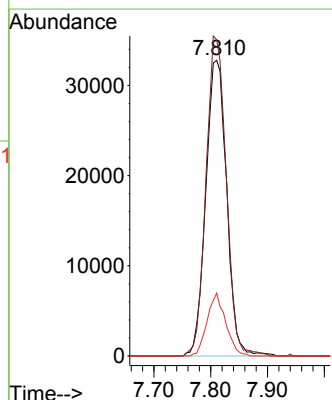
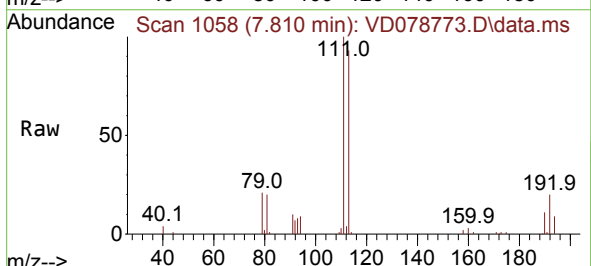
Tgt Ion:113 Resp: 83657

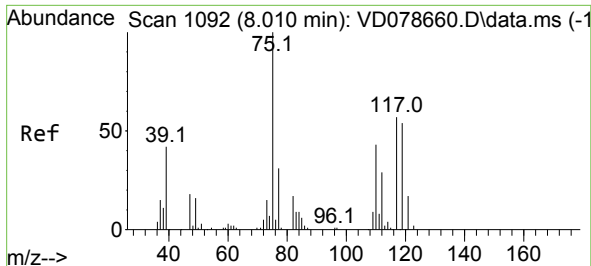
Ion Ratio Lower Upper

113 100

111 104.5 81.9 122.9

192 18.9 15.4 23.0

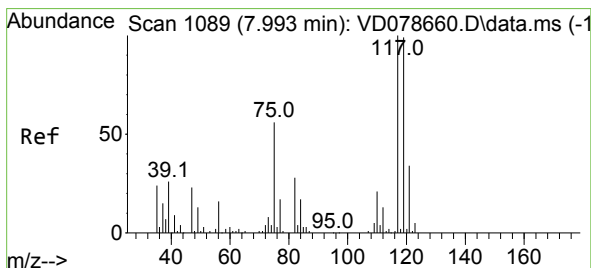
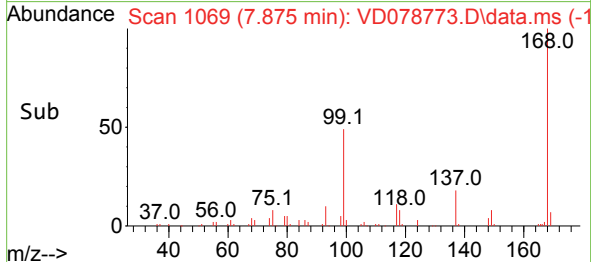
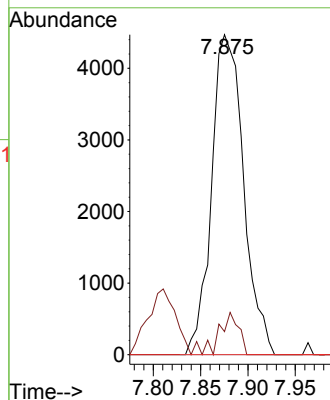
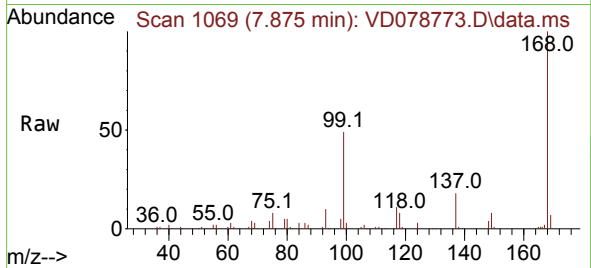




#36  
1,1-Dichloropropene  
Concen: 4.125 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.135 min  
Lab File: VD078773.D  
Acq: 28 Mar 2024 14:40

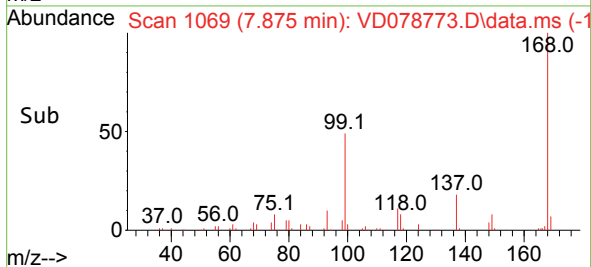
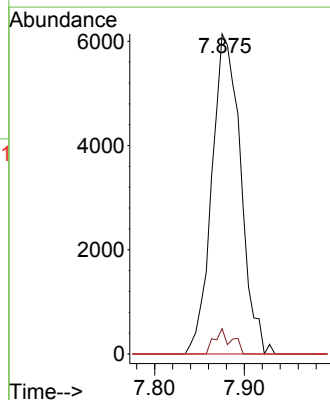
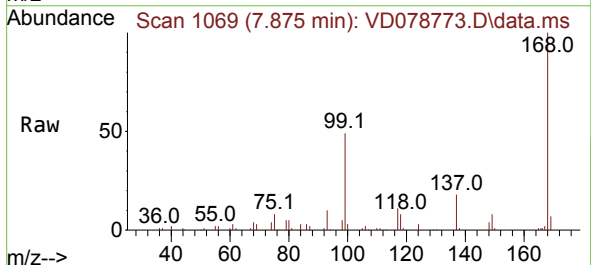
Instrument :  
MSVOA\_D  
ClientSampleId :  
RB40858RT

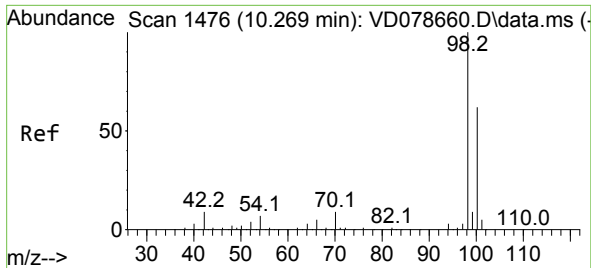
Tgt Ion: 75 Resp: 10496  
Ion Ratio Lower Upper  
75 100  
110 7.8 19.1 57.1#  
77 0.0 25.4 38.2#



#38  
Carbon Tetrachloride  
Concen: 5.095 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.118 min  
Lab File: VD078773.D  
Acq: 28 Mar 2024 14:40

Tgt Ion: 117 Resp: 13665  
Ion Ratio Lower Upper  
117 100  
119 7.9 79.2 118.8#  
121 0.0 26.8 40.2#

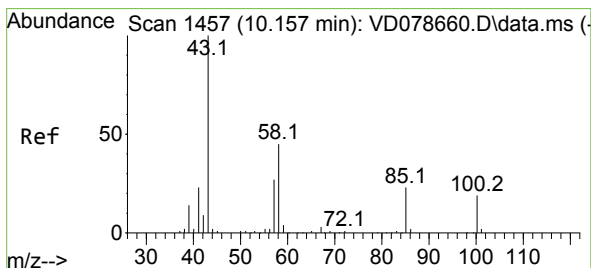
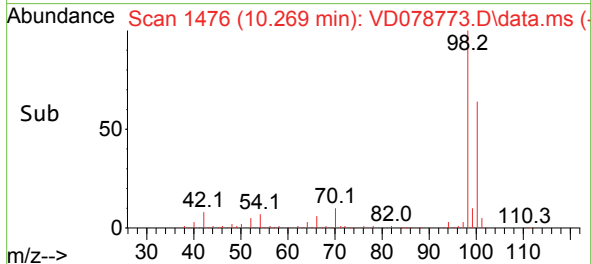
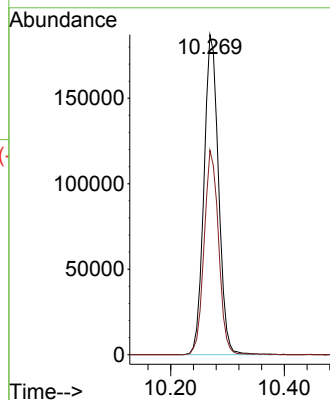
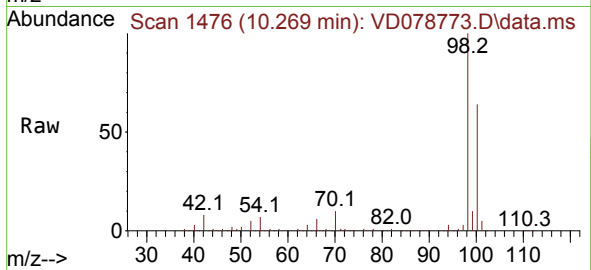




#50  
Toluene-d8  
Concen: 51.557 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD078773.D  
Acq: 28 Mar 2024 14:40

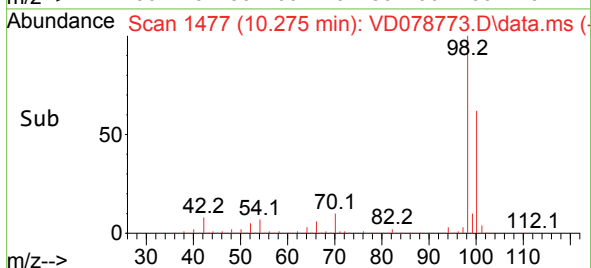
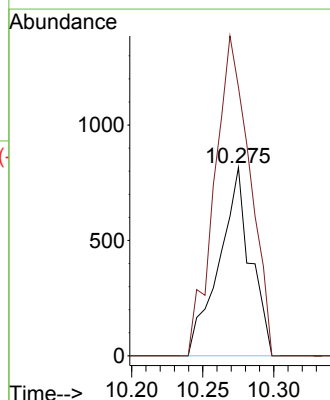
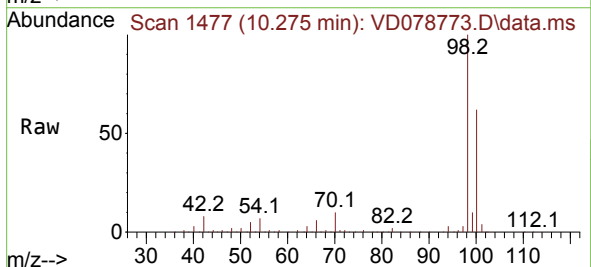
Instrument :  
MSVOA\_D  
ClientSampleId :  
RB40858RT

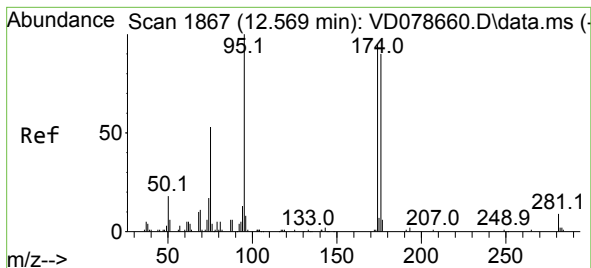
Tgt Ion: 98 Resp: 332481  
Ion Ratio Lower Upper  
98 100  
100 63.5 50.5 75.7



#51  
4-Methyl-2-Pentanone  
Concen: 1.582 ug/l  
RT: 10.275 min Scan# 1477  
Delta R.T. 0.118 min  
Lab File: VD078773.D  
Acq: 28 Mar 2024 14:40

Tgt Ion: 43 Resp: 1250  
Ion Ratio Lower Upper  
43 100  
58 191.6 36.4 54.6#

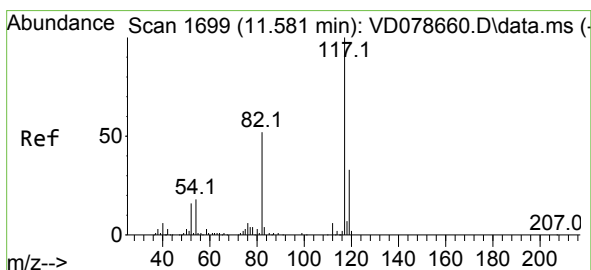
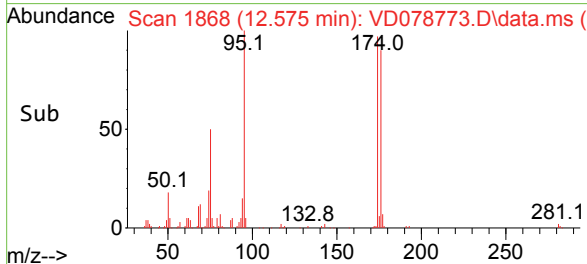
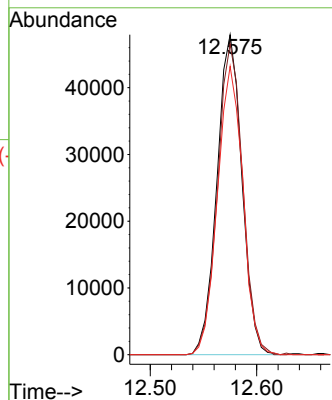
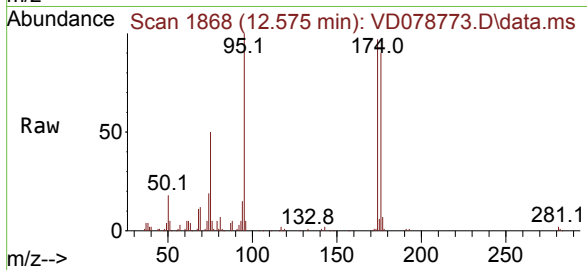




#62  
4-Bromofluorobenzene  
Concen: 41.207 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VD078773.D  
Acq: 28 Mar 2024 14:40

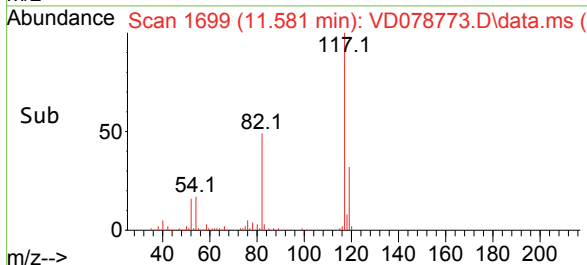
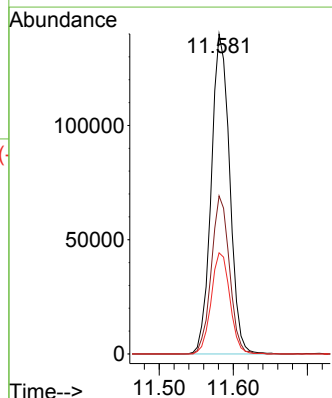
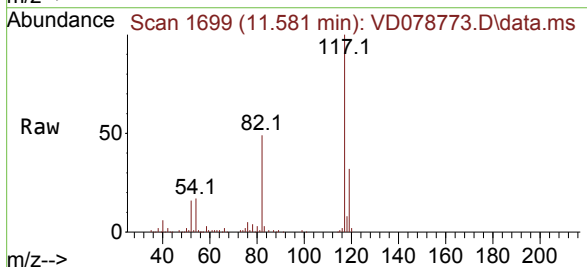
Instrument :  
MSVOA\_D  
ClientSampleId :  
RB40858RT

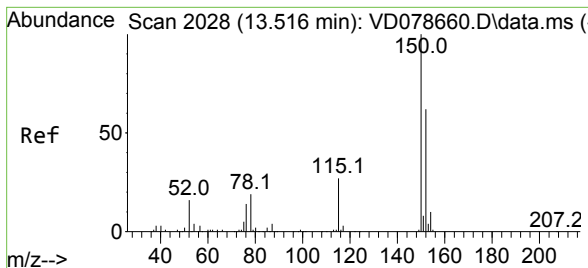
Tgt Ion: 95 Resp: 77742  
Ion Ratio Lower Upper  
95 100  
174 98.1 0.0 195.2  
176 91.7 0.0 188.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. 0.000 min  
Lab File: VD078773.D  
Acq: 28 Mar 2024 14:40

Tgt Ion: 117 Resp: 241780  
Ion Ratio Lower Upper  
117 100  
82 49.4 41.4 62.2  
119 31.6 26.5 39.7

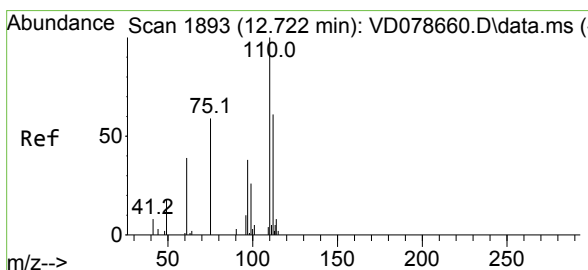
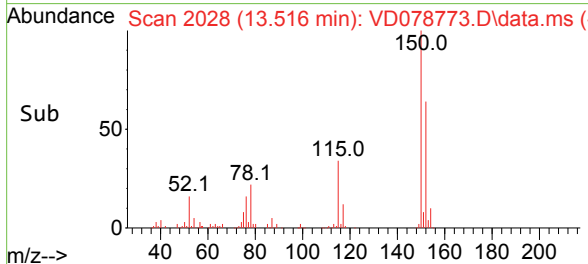
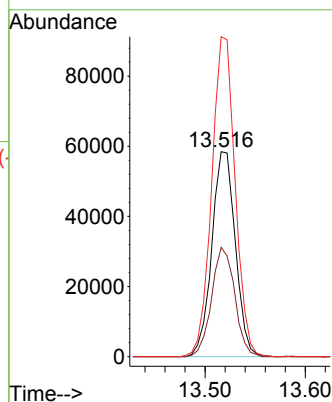
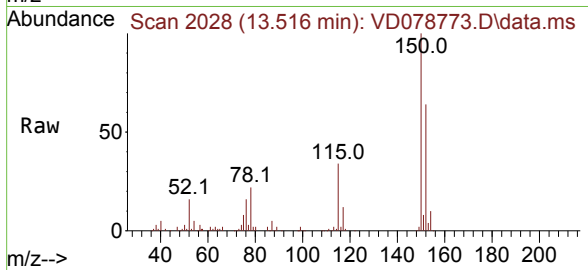




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VD078773.D  
Acq: 28 Mar 2024 14:40

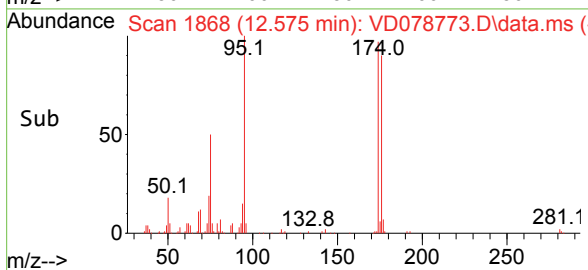
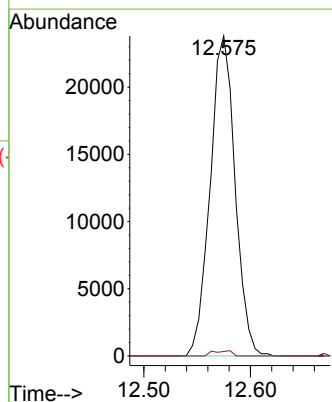
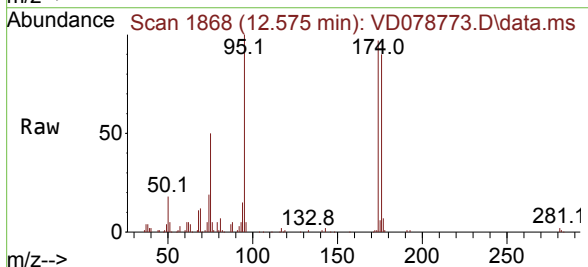
Instrument :  
MSVOA\_D  
ClientSampleId :  
RB40858RT

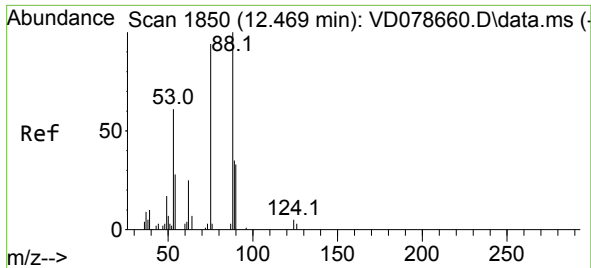
Tgt Ion:152 Resp: 95448  
Ion Ratio Lower Upper  
152 100  
115 52.3 27.1 81.2  
150 155.0 0.0 350.2



#76  
1,2,3-Trichloropropane  
Concen: 52.602 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.147 min  
Lab File: VD078773.D  
Acq: 28 Mar 2024 14:40

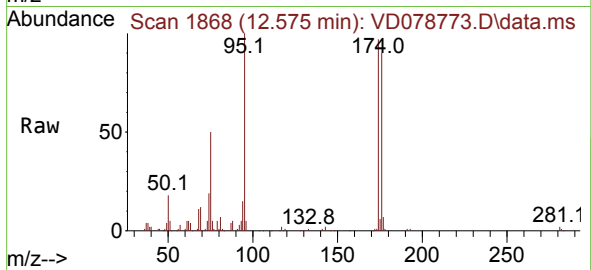
Tgt Ion: 75 Resp: 38682  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 110.263 ug/l  
 RT: 12.575 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VD078773.D  
 Acq: 28 Mar 2024 14:40

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RB40858RT



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 38682 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 0.0   | 61.0  | 91.6# |
| 89       | 0.1   | 35.4  | 53.0# |

