

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050123\  
 Data File : VX035446.D  
 Acq On : 01 May 2023 17:28  
 Operator : JC/MD  
 Sample : 02522-18  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-16D

Quant Time: May 02 00:03:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 16:31:40 2023  
 Response via : Initial Calibration

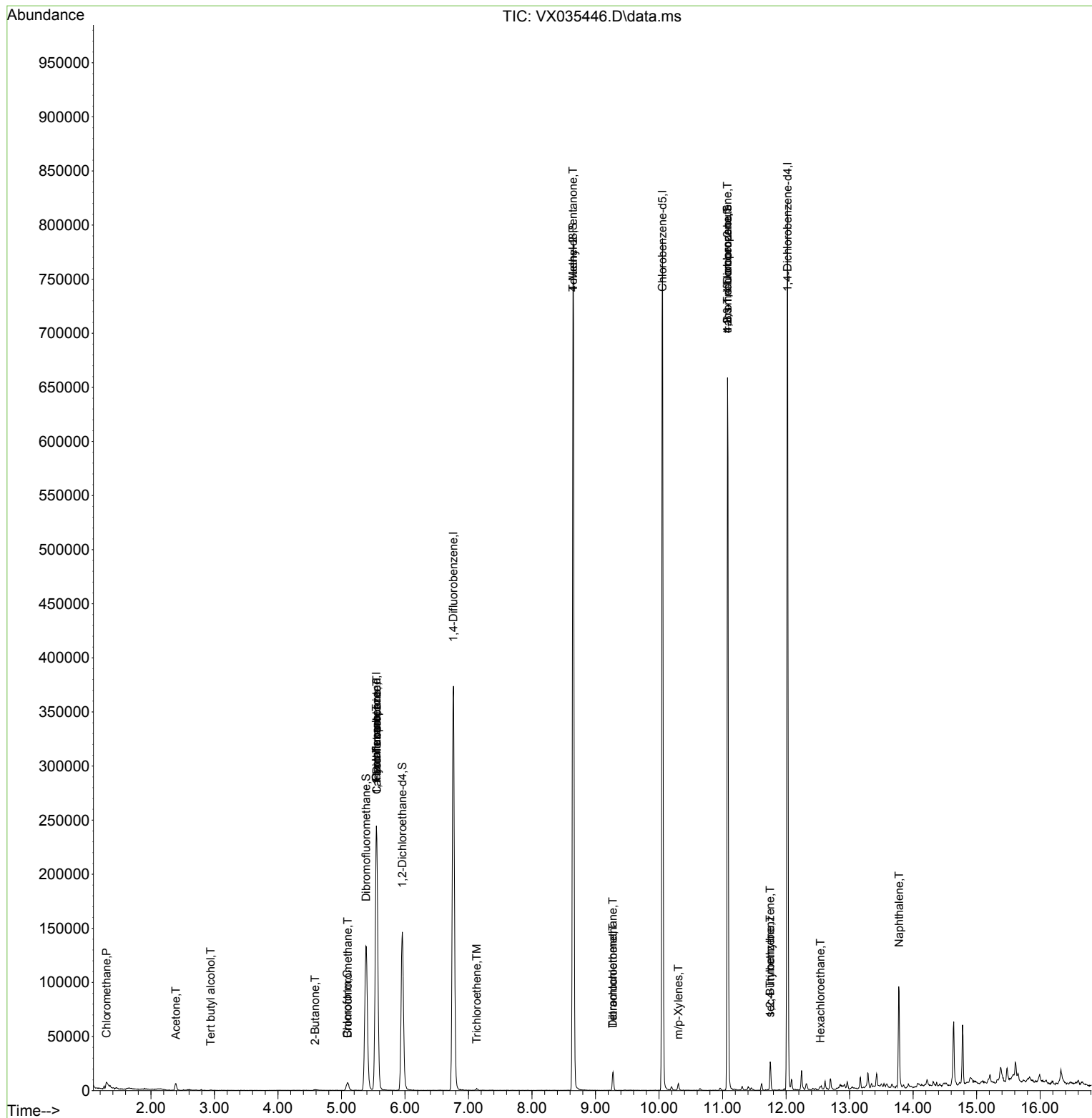
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 241833   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 393811   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 369115   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 178261   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 141744   | 48.583   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 97.160%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 121386   | 50.220   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 100.440% |
| 50) Toluene-d8                | 8.647  | 98    | 470196   | 51.567   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 103.140% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 183550   | 53.512   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 107.020% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.300  | 50    | 490      | 0.210    | ug/l # | 42       |
| 11) Tert butyl alcohol        | 2.940  | 59    | 155      | 0.292    | ug/l # | 73       |
| 16) Acetone                   | 2.392  | 43    | 8292     | 6.544    | ug/l   | 99       |
| 25) 2-Butanone                | 4.586  | 43    | 1376     | 0.744    | ug/l   | 98       |
| 28) Bromochloromethane        | 5.099  | 49    | 601      | 0.306    | ug/l # | 15       |
| 30) Chloroform                | 5.092  | 83    | 8612     | 1.852    | ug/l   | 92       |
| 31) Cyclohexane               | 5.550  | 56    | 4307     | 1.041    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 16802    | 4.452    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 23662    | 6.604    | ug/l # | 17       |
| 44) Trichloroethene           | 7.129  | 130   | 666      | 0.223    | ug/l   | 78       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1933     | 0.543    | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.275  | 129   | 3241     | 1.236    | ug/l # | 10       |
| 64) Tetrachloroethene         | 9.275  | 164   | 3392     | 1.200    | ug/l   | 94       |
| 68) m/p-Xylenes               | 10.305 | 106   | 1412     | 0.266    | ug/l   | 88       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 89893    | 25.280   | ug/l # | 35       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 89893    | 81.877   | ug/l # | 8        |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105   | 12098    | 1.096    | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.750 | 105   | 12098    | 0.895    | ug/l # | 56       |
| 90) Hexachloroethane          | 12.542 | 117   | 415      | 0.236    | ug/l # | 15       |
| 95) Naphthalene               | 13.780 | 128   | 64406    | 5.406    | ug/l   | 99       |
| -----                         |        |       |          |          |        |          |

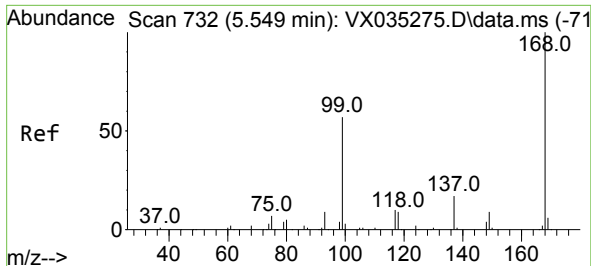
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Apr 25 16:31:40 2023  
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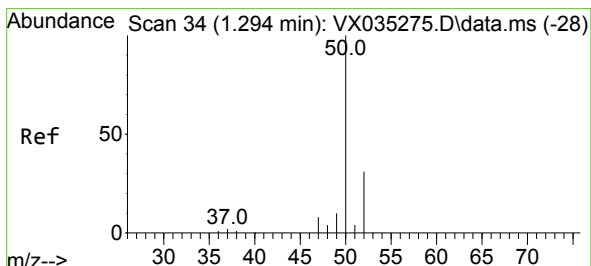
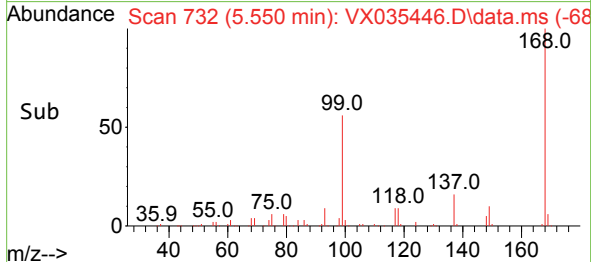
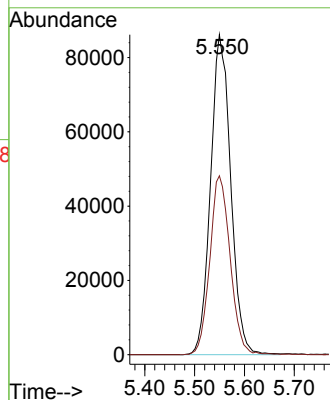
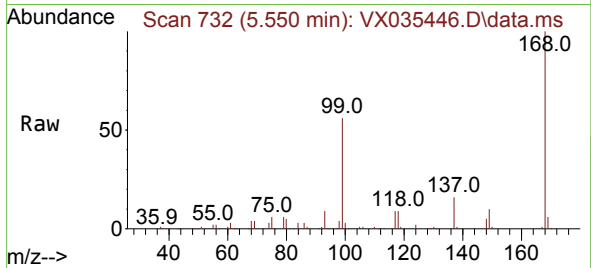




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

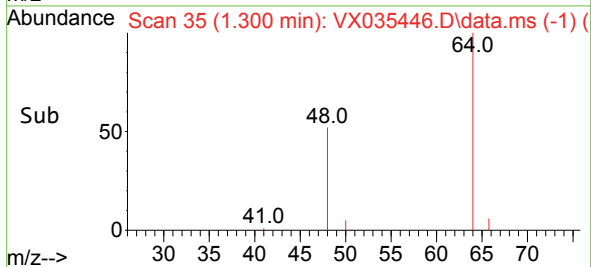
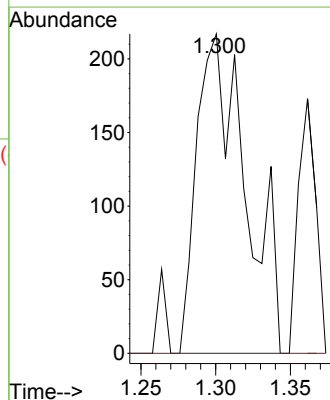
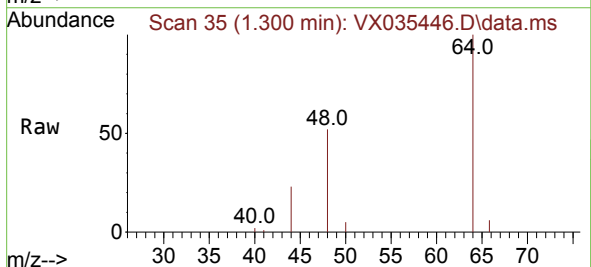
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-16D

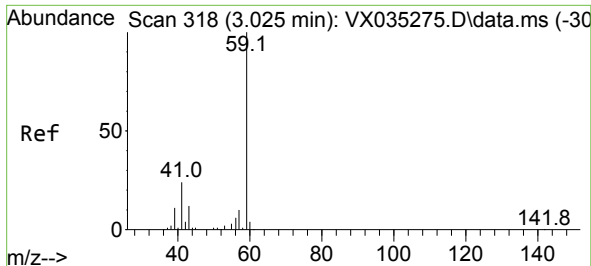
Tgt Ion:168 Resp: 241833  
Ion Ratio Lower Upper  
168 100  
99 55.9 45.7 68.5



#3  
Chloromethane  
Concen: 0.210 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

Tgt Ion: 50 Resp: 490  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 0.292 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.085 min

Lab File: VX035446.D

Acq: 01 May 2023 17:28

Instrument :

MSVOA\_X

ClientSampleId :

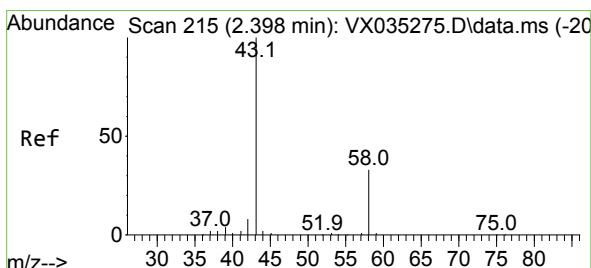
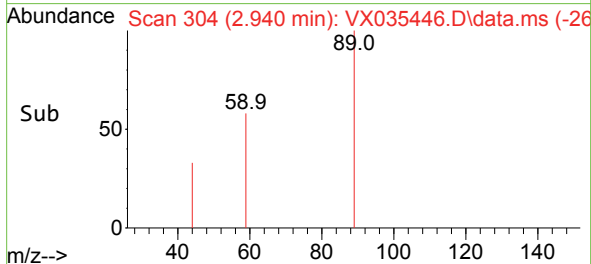
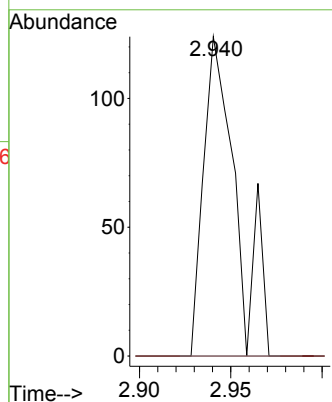
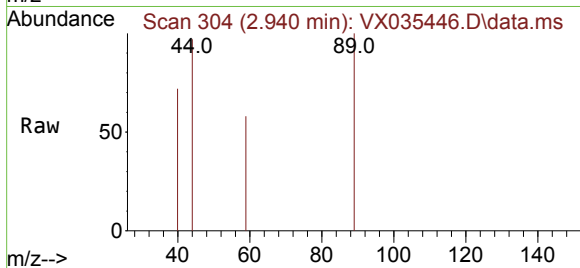
MW-16D

Tgt Ion: 59 Resp: 155

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 6.544 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX035446.D

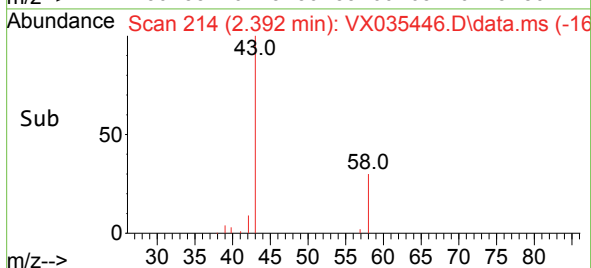
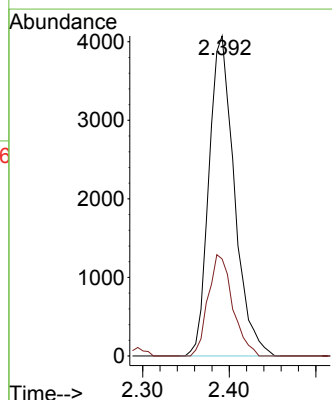
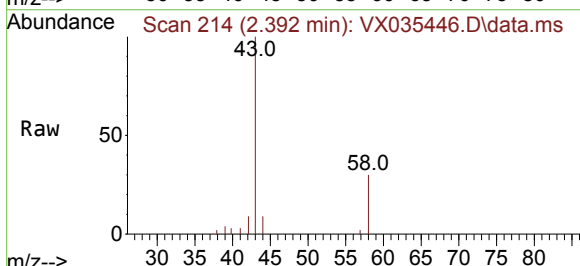
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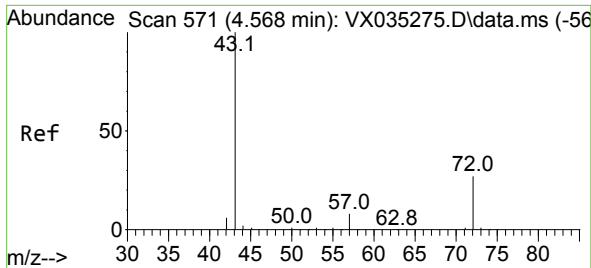
Tgt Ion: 43 Resp: 8292

Ion Ratio Lower Upper

43 100

58 30.3 24.7 37.1

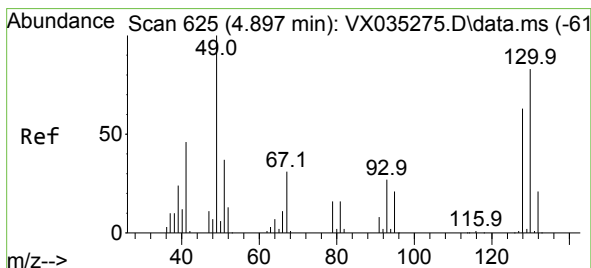
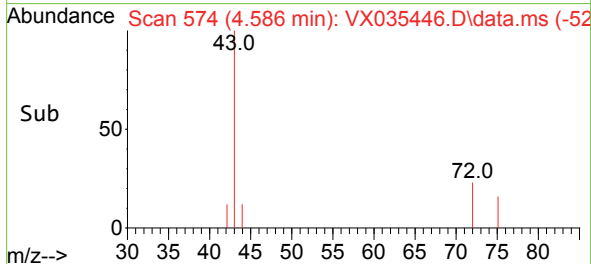
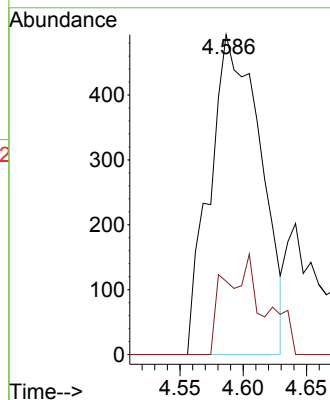
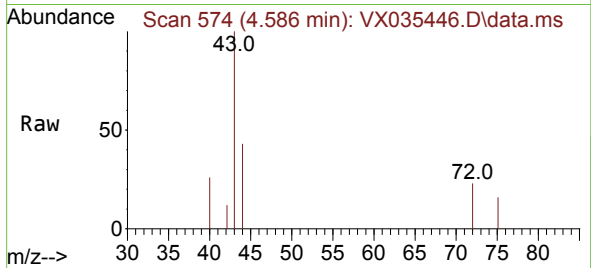




#25  
2-Butanone  
Concen: 0.744 ug/l  
RT: 4.586 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

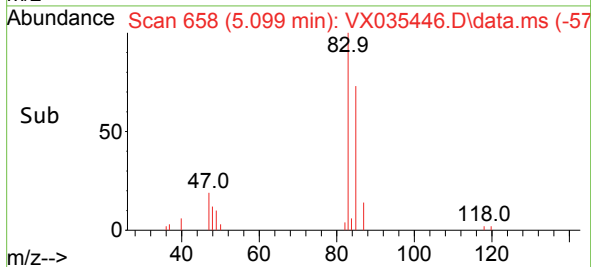
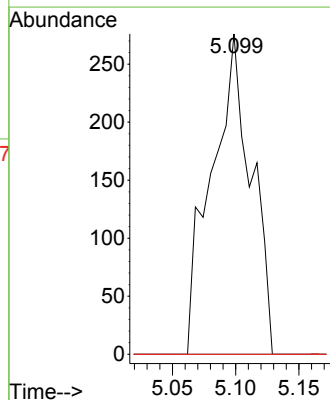
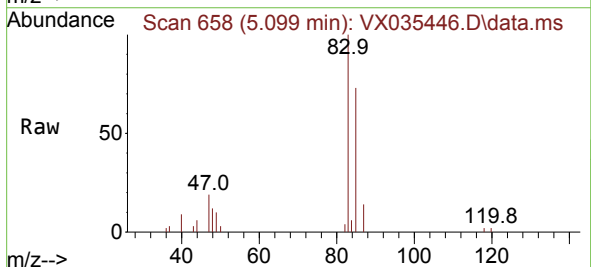
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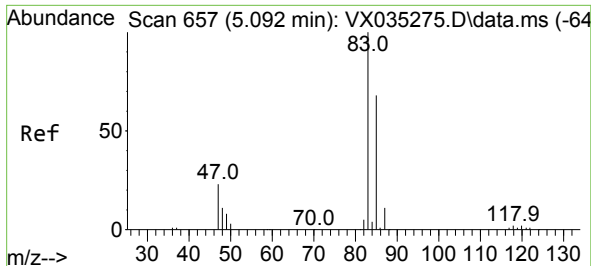
Tgt Ion: 43 Resp: 1376  
Ion Ratio Lower Upper  
43 100  
72 22.9 19.3 28.9



#28  
Bromochloromethane  
Concen: 0.306 ug/l  
RT: 5.099 min Scan# 658  
Delta R.T. 0.202 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

Tgt Ion: 49 Resp: 601  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 4.0  
130 0.0 58.2 87.2#

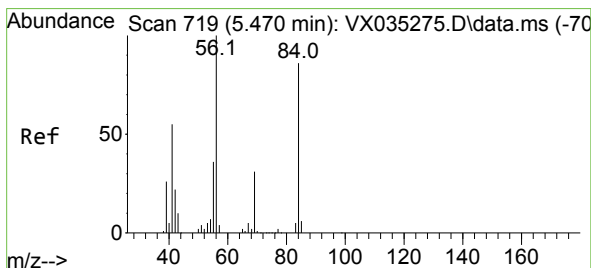
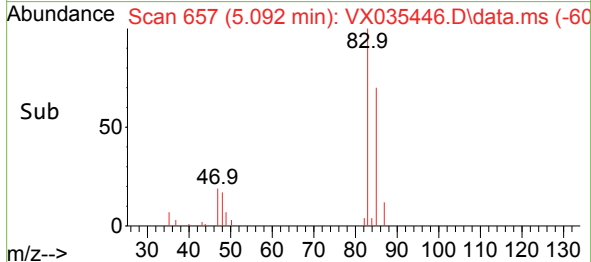
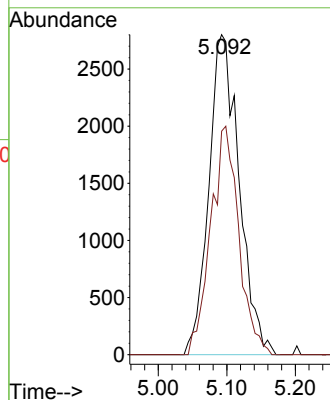
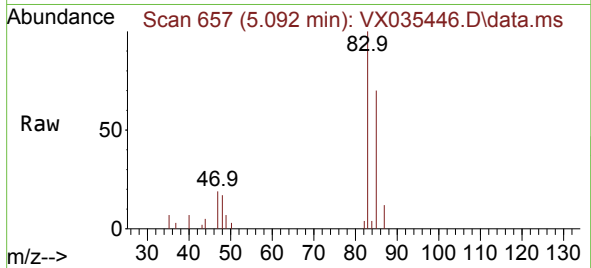




#30  
Chloroform  
Concen: 1.852 ug/l  
RT: 5.092 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

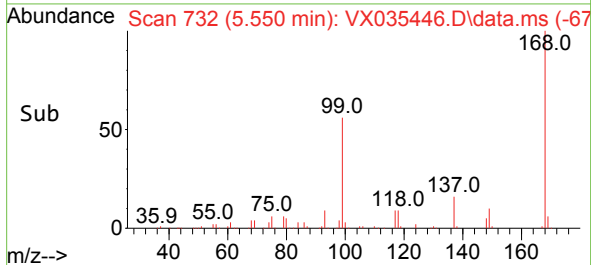
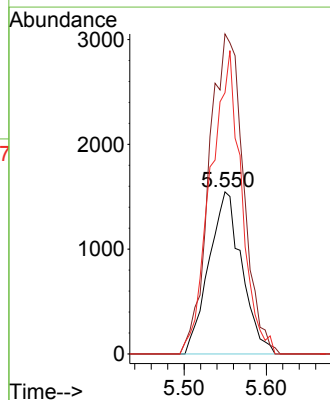
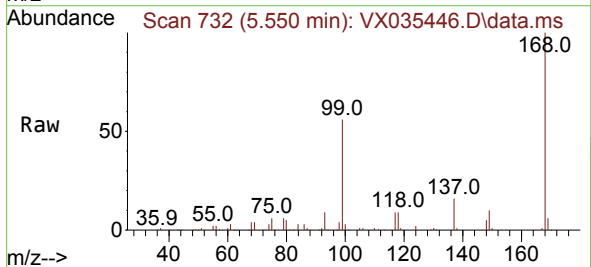
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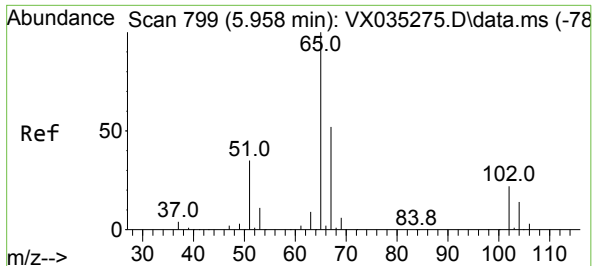
Tgt Ion: 83 Resp: 8612  
Ion Ratio Lower Upper  
83 100  
85 69.8 50.6 76.0



#31  
Cyclohexane  
Concen: 1.041 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.080 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

Tgt Ion: 56 Resp: 4307  
Ion Ratio Lower Upper  
56 100  
69 197.5 23.7 35.5#  
84 161.3 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 48.583 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX035446.D

Acq: 01 May 2023 17:28

Instrument :

MSVOA\_X

ClientSampleId :

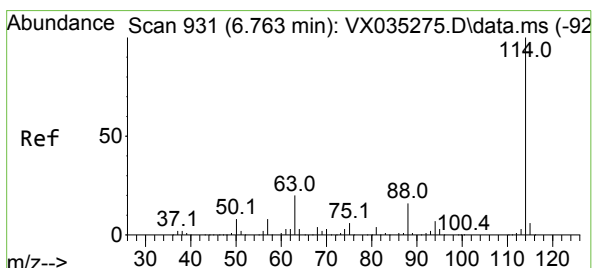
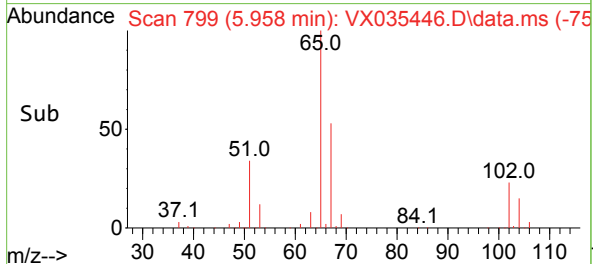
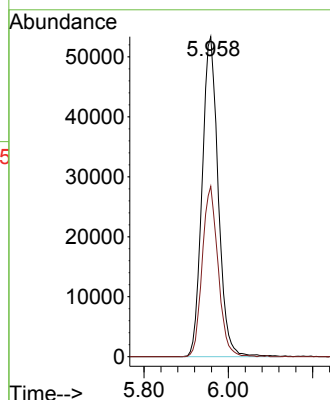
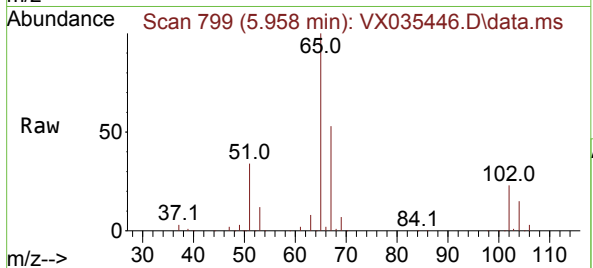
MW-16D

Tgt Ion: 65 Resp: 141744

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035446.D

Acq: 01 May 2023 17:28

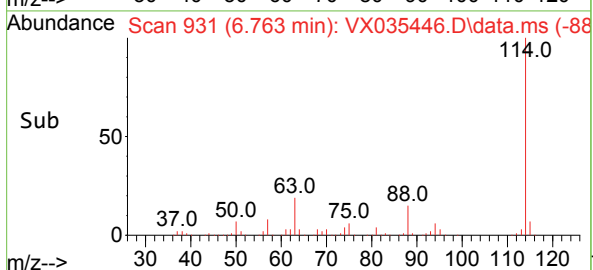
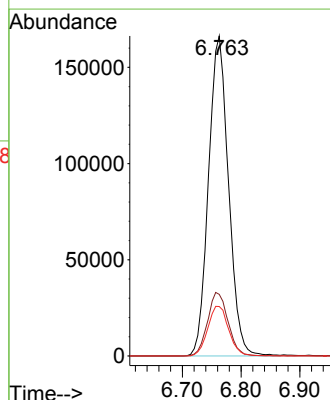
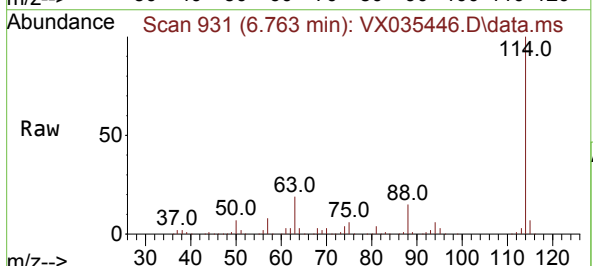
Tgt Ion: 114 Resp: 393811

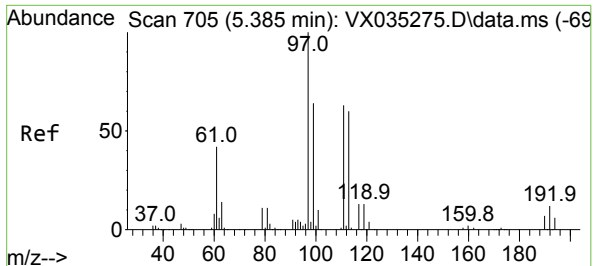
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.2

88 15.4 0.0 33.2

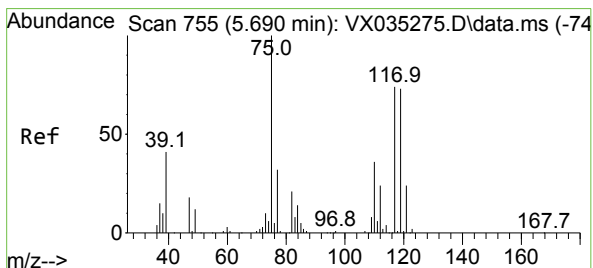
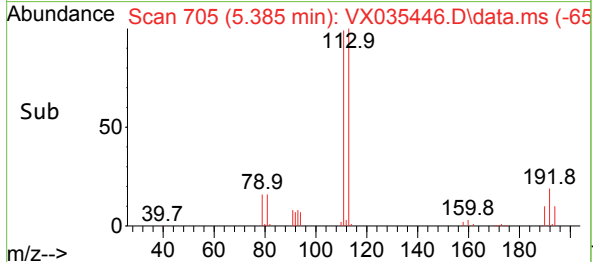
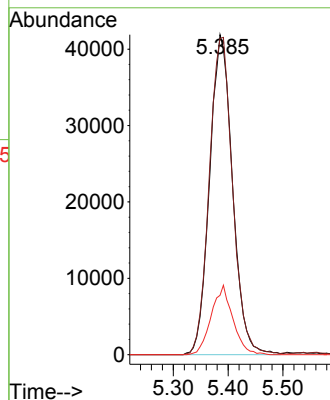
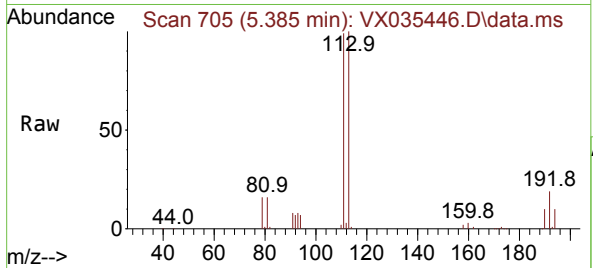




#35  
 Dibromofluoromethane  
 Concen: 50.220 ug/l  
 RT: 5.385 min Scan# 705  
 Delta R.T. 0.000 min  
 Lab File: VX035446.D  
 Acq: 01 May 2023 17:28

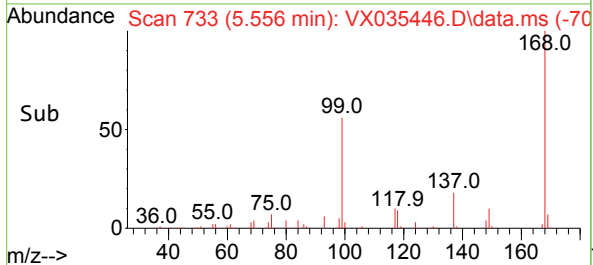
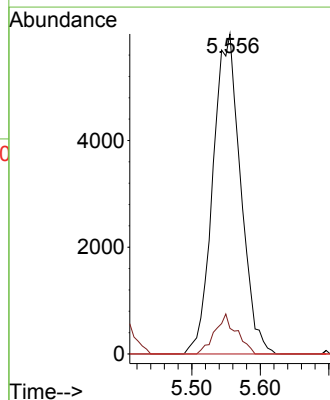
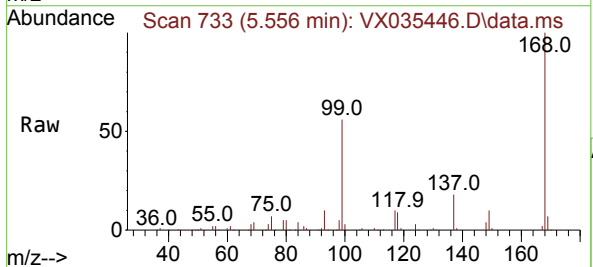
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-16D

Tgt Ion:113 Resp: 121386  
 Ion Ratio Lower Upper  
 113 100  
 111 101.1 83.7 125.5  
 192 20.5 15.4 23.2

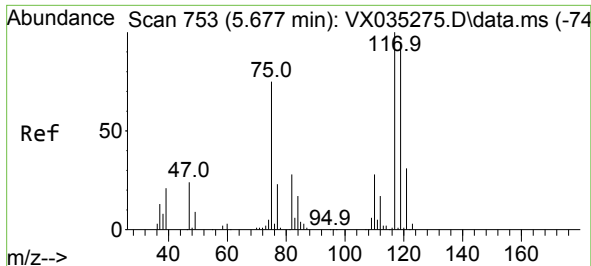


#36  
 1,1-Dichloropropene  
 Concen: 4.452 ug/l  
 RT: 5.556 min Scan# 733  
 Delta R.T. -0.134 min  
 Lab File: VX035446.D  
 Acq: 01 May 2023 17:28

Tgt Ion: 75 Resp: 16802  
 Ion Ratio Lower Upper  
 75 100  
 110 9.8 17.5 52.5#  
 77 0.0 24.3 36.5#

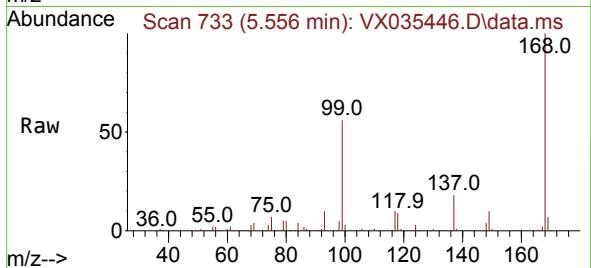




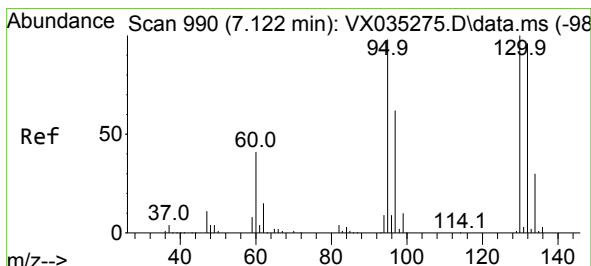
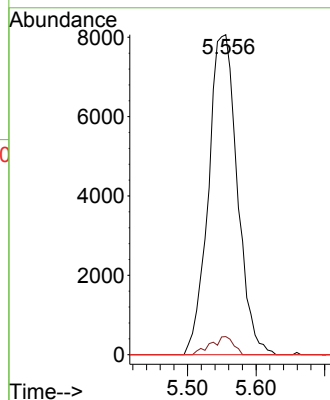
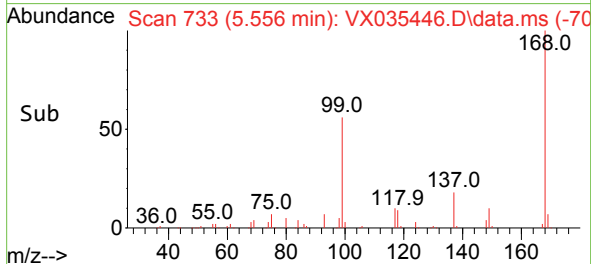


#38  
Carbon Tetrachloride  
Concen: 6.604 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.121 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-16D

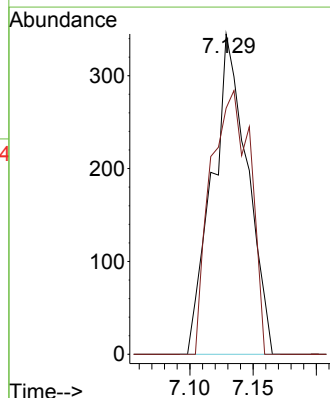
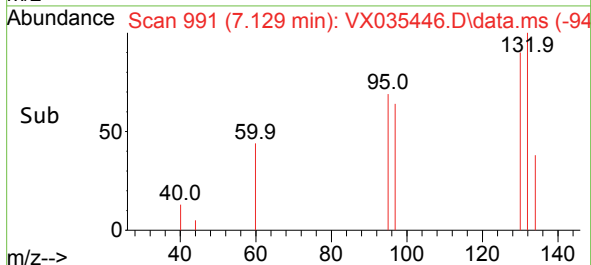
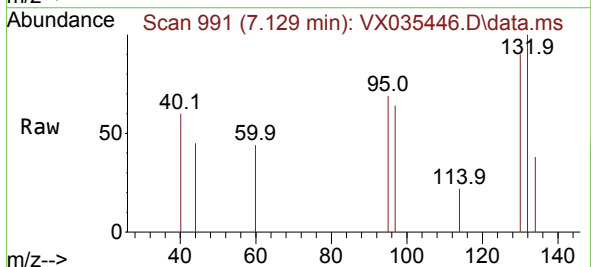


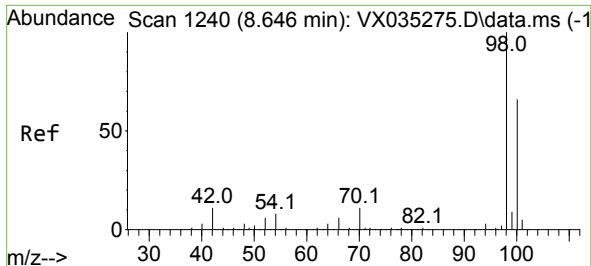
Tgt Ion:117 Resp: 23662  
Ion Ratio Lower Upper  
117 100  
119 5.7 76.6 114.8#  
121 0.0 23.8 35.6#



#44  
Trichloroethene  
Concen: 0.223 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.007 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

Tgt Ion:130 Resp: 666  
Ion Ratio Lower Upper  
130 100  
95 76.8 0.0 198.4

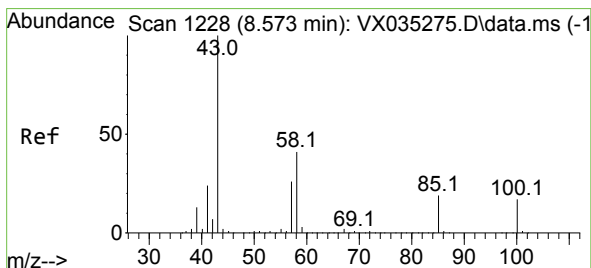
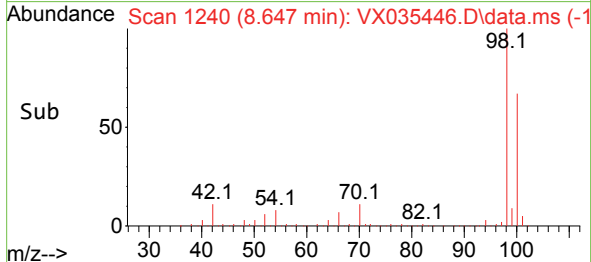
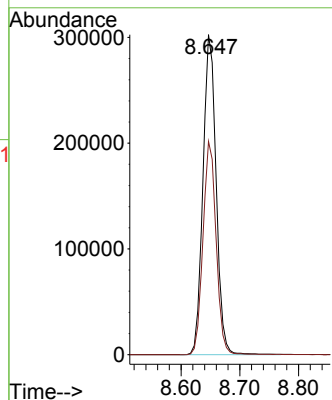
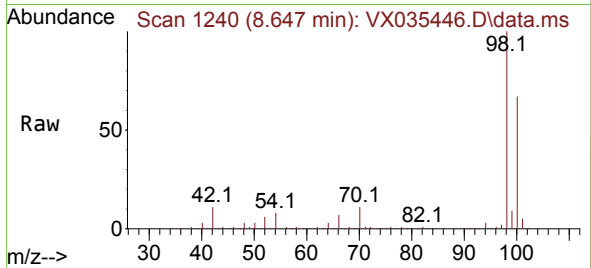




#50  
Toluene-d8  
Concen: 51.567 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.001 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

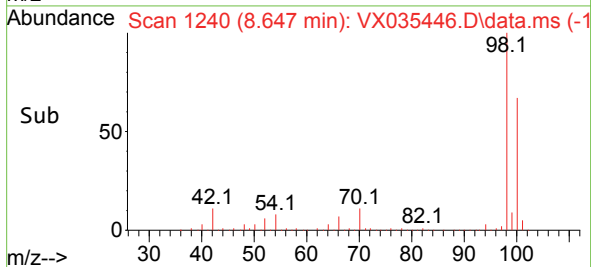
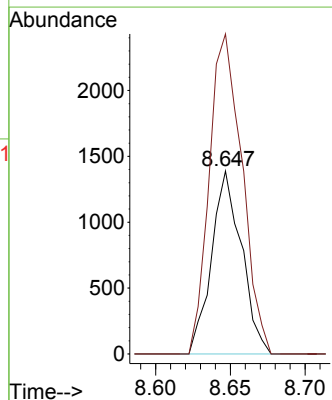
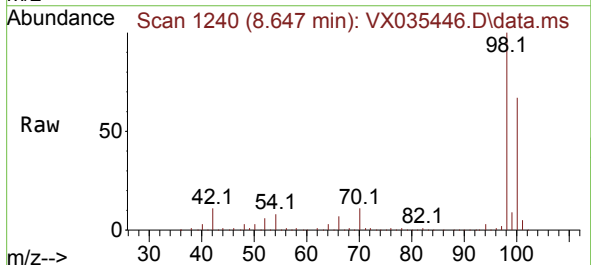
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-16D

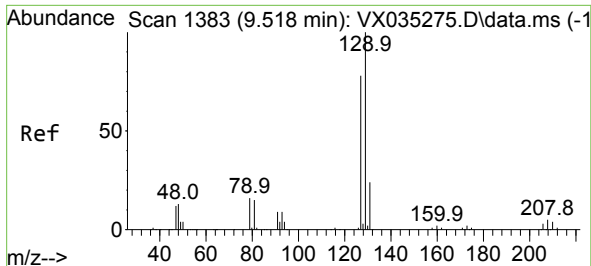
Tgt Ion: 98 Resp: 470196  
Ion Ratio Lower Upper  
98 100  
100 66.5 52.5 78.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.543 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.074 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

Tgt Ion: 43 Resp: 1933  
Ion Ratio Lower Upper  
43 100  
58 191.3 30.6 46.0#

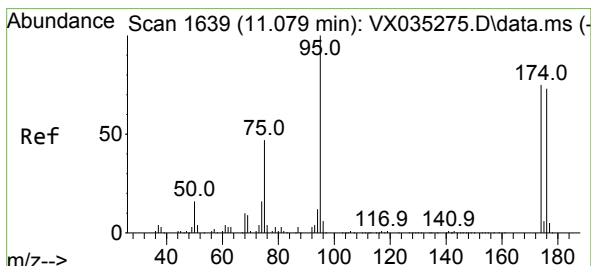
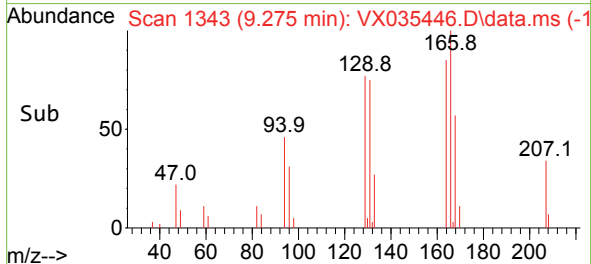
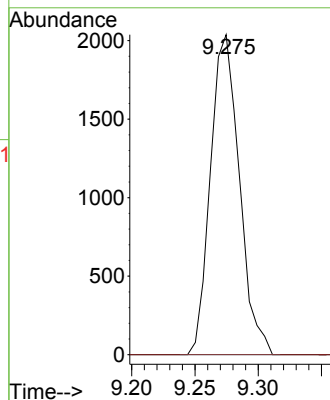
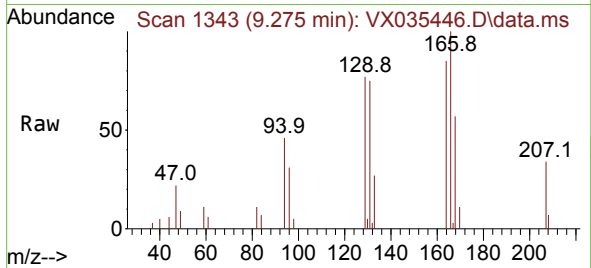




#60  
Dibromochloromethane  
Concen: 1.236 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.243 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

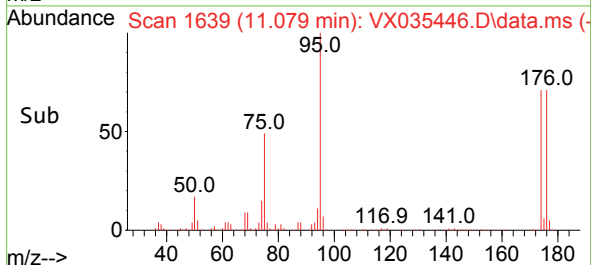
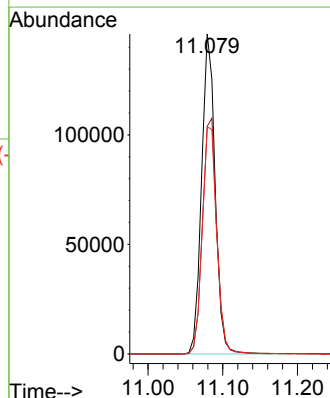
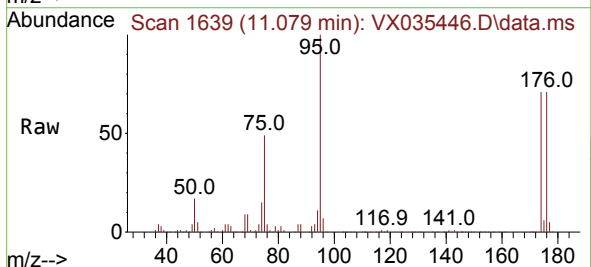
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-16D

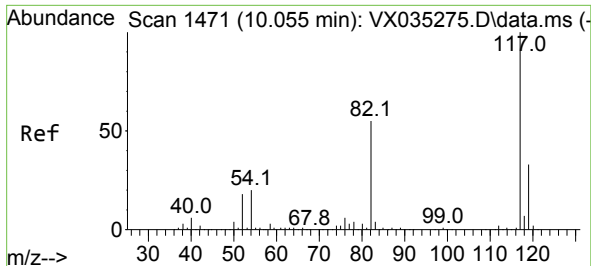
Tgt Ion:129 Resp: 3241  
Ion Ratio Lower Upper  
129 100  
127 0.0 39.0 117.0#



#62  
4-Bromofluorobenzene  
Concen: 53.512 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

Tgt Ion: 95 Resp: 183550  
Ion Ratio Lower Upper  
95 100  
174 78.0 0.0 147.4  
176 75.9 0.0 140.6

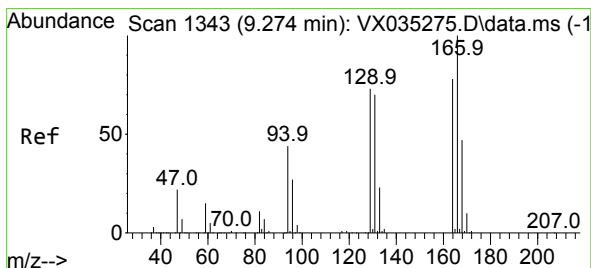
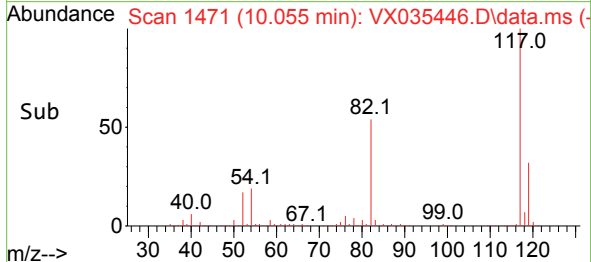
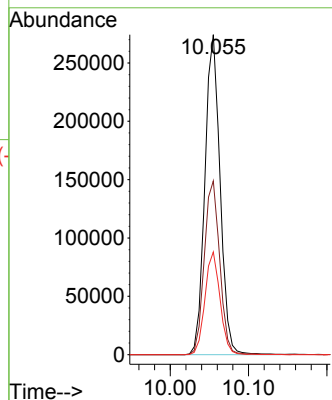
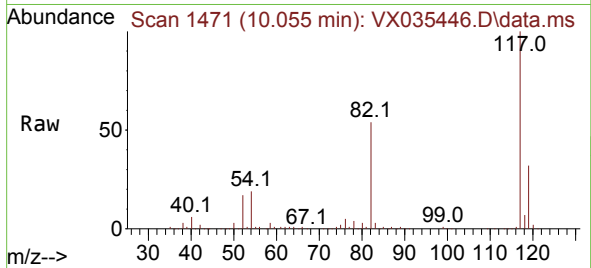




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

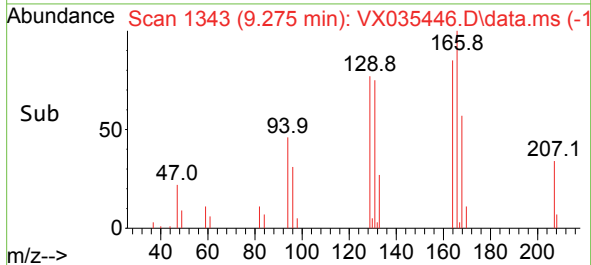
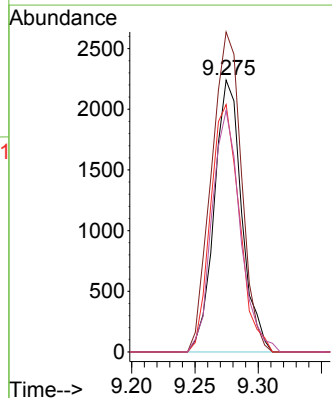
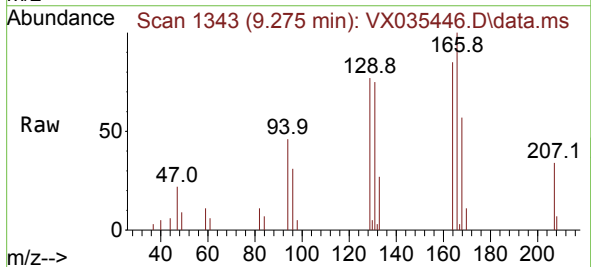
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-16D

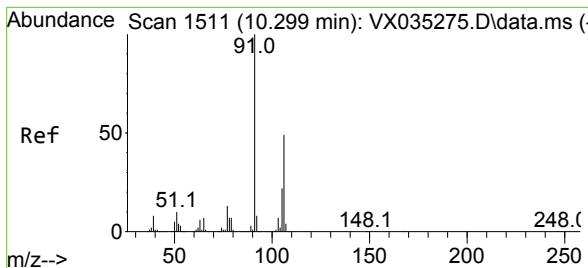
Tgt Ion:117 Resp: 369115  
Ion Ratio Lower Upper  
117 100  
82 54.3 45.0 67.4  
119 32.1 26.0 39.0



#64  
Tetrachloroethene  
Concen: 1.200 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.001 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

Tgt Ion:164 Resp: 3392  
Ion Ratio Lower Upper  
164 100  
166 117.7 102.7 154.1  
129 91.0 75.6 113.4  
131 88.8 73.7 110.5

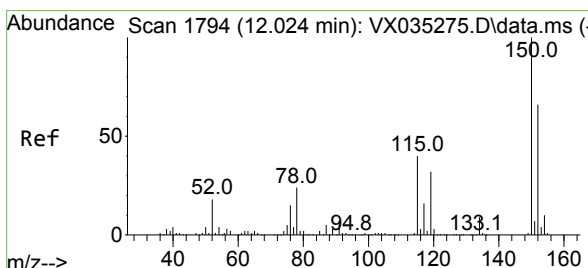
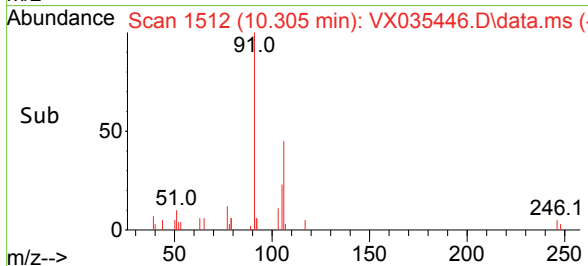
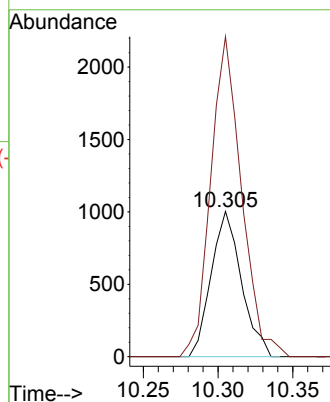
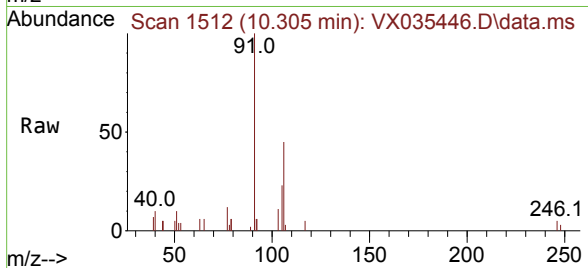




#68  
m/p-Xylenes  
Concen: 0.266 ug/l  
RT: 10.305 min Scan# 1511  
Delta R.T. 0.006 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

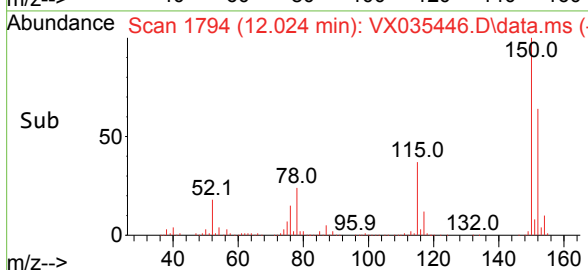
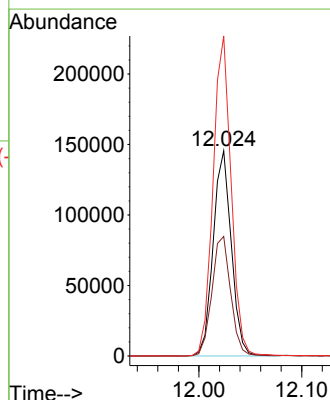
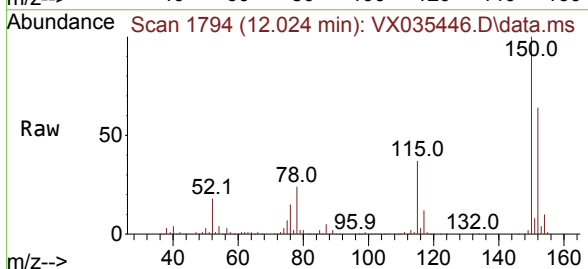
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-16D

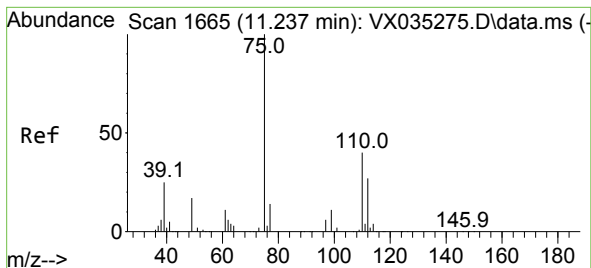
Tgt Ion:106 Resp: 1412  
Ion Ratio Lower Upper  
106 100  
91 223.7 164.0 246.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX035446.D  
Acq: 01 May 2023 17:28

Tgt Ion:152 Resp: 178261  
Ion Ratio Lower Upper  
152 100  
115 60.2 45.0 135.0  
150 155.4 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 25.280 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX035446.D

Acq: 01 May 2023 17:28

Instrument :

MSVOA\_X

ClientSampleId :

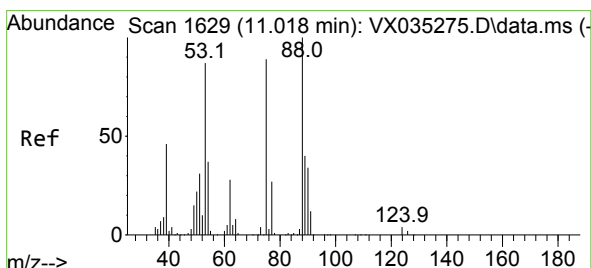
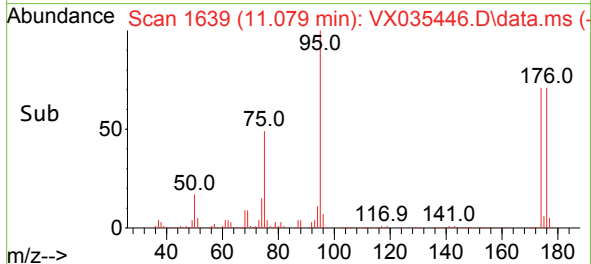
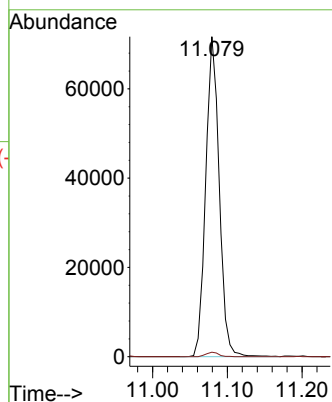
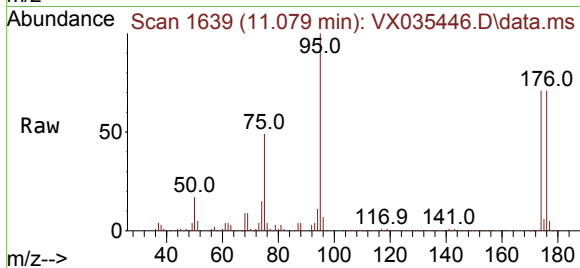
MW-16D

Tgt Ion: 75 Resp: 89893

Ion Ratio Lower Upper

75 100

77 1.3 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.877 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX035446.D

Acq: 01 May 2023 17:28

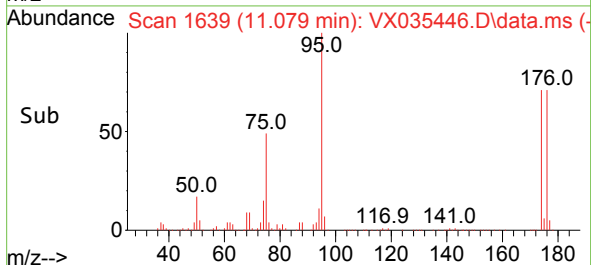
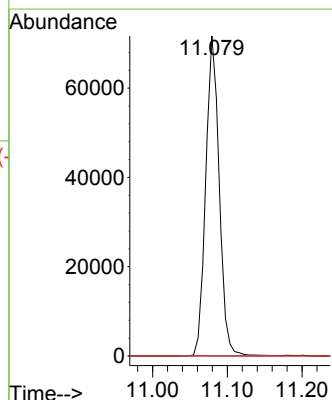
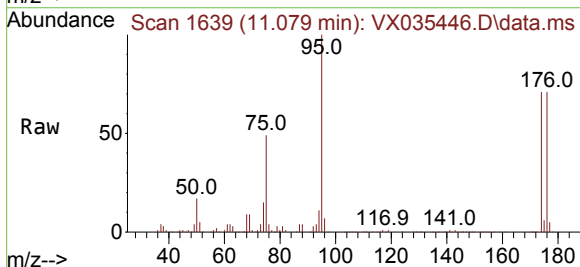
Tgt Ion: 75 Resp: 89893

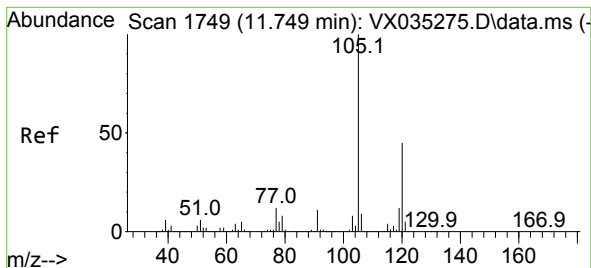
Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 1.096 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.001 min

Lab File: VX035446.D

Acq: 01 May 2023 17:28

Instrument :

MSVOA\_X

ClientSampleId :

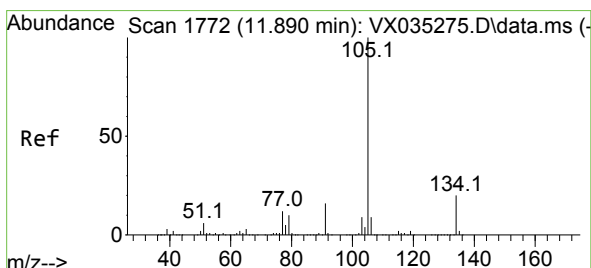
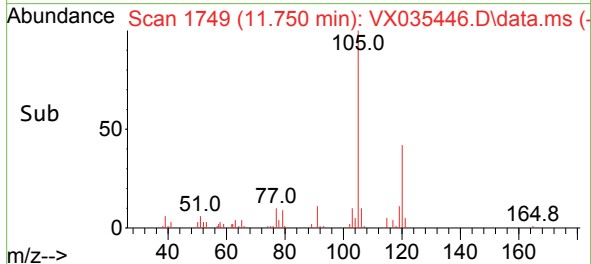
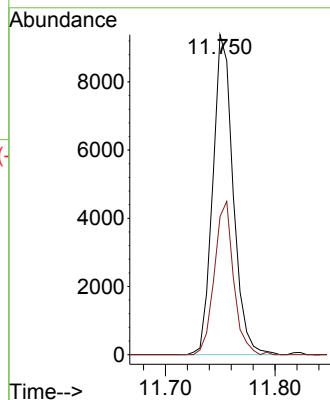
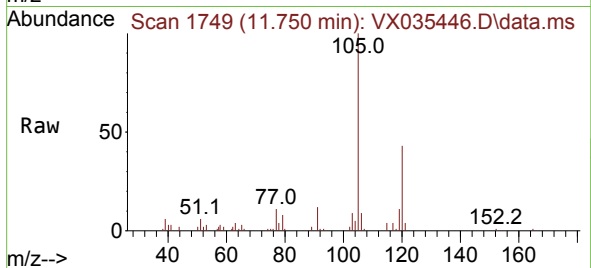
MW-16D

Tgt Ion:105 Resp: 12098

Ion Ratio Lower Upper

105 100

120 45.3 22.4 67.0



#85

sec-Butylbenzene

Concen: 0.895 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.140 min

Lab File: VX035446.D

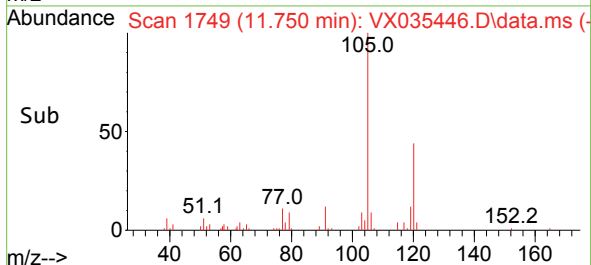
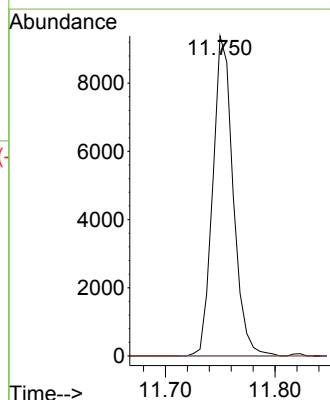
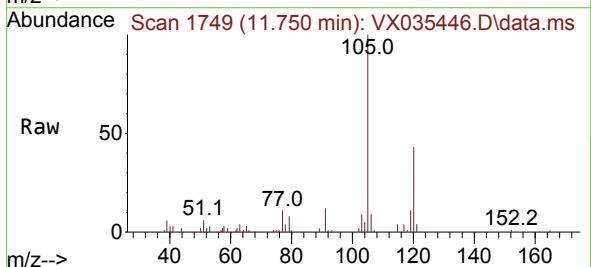
Acq: 01 May 2023 17:28

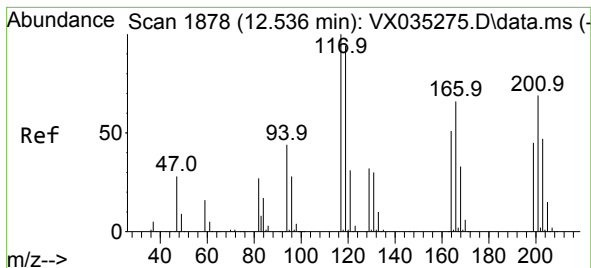
Tgt Ion:105 Resp: 12098

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.4#





#90

Hexachloroethane

Concen: 0.236 ug/l

RT: 12.542 min Scan# 1879

Delta R.T. 0.006 min

Lab File: VX035446.D

Acq: 01 May 2023 17:28

Instrument :

MSVOA\_X

ClientSampleId :

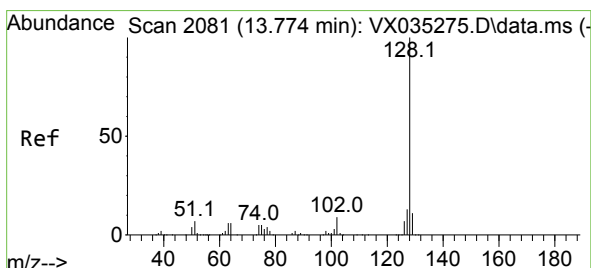
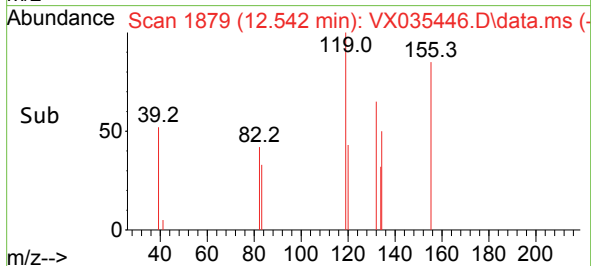
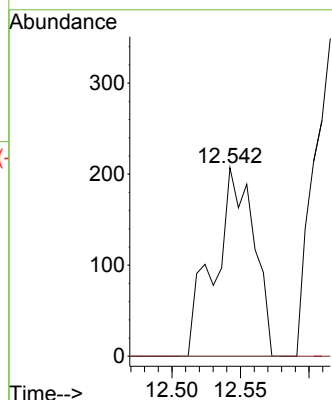
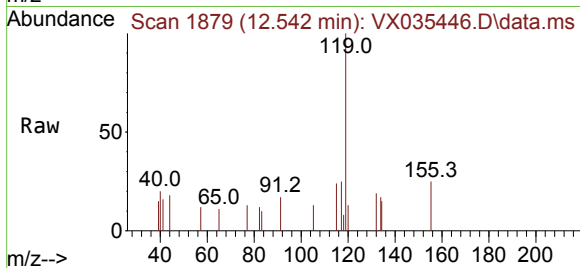
MW-16D

Tgt Ion:117 Resp: 415

Ion Ratio Lower Upper

117 100

201 0.0 34.4 103.1#



#95

Naphthalene

Concen: 5.406 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX035446.D

Acq: 01 May 2023 17:28

Tgt Ion:128 Resp: 64406

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 11.1 8.6 13.0

