

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111522\  
 Data File : VX032816.D  
 Acq On : 15 Nov 2022 12:44  
 Operator : JC/MD  
 Sample : N5587-11 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 16 03:33:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 08:28:06 2022  
 Response via : Initial Calibration

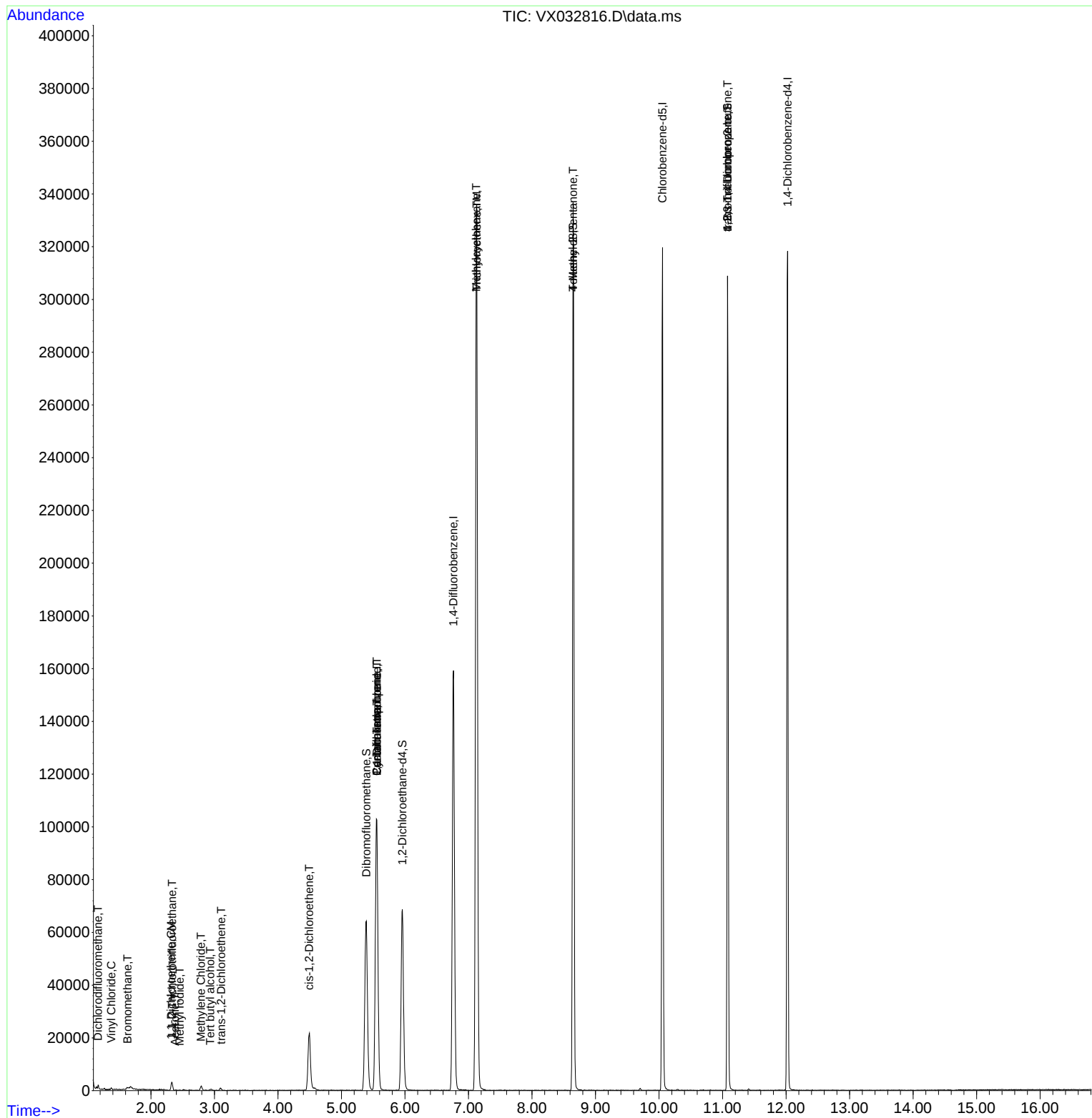
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 99270    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 164172   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 142988   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 66734    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 68725    | 49.825   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 99.640%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 55982    | 47.805   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 95.600%  |
| 50) Toluene-d8                | 8.647  | 98    | 199221   | 48.924   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 97.840%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 76440    | 48.057   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 96.120%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166  | 85    | 970      | 0.847    | ug/l   | 82       |
| 4) Vinyl Chloride             | 1.374  | 62    | 519      | 0.487    | ug/l   | 98       |
| 5) Bromomethane               | 1.630  | 94    | 176      | 0.207    | ug/l # | 49       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.331  | 101   | 768      | 0.721    | ug/l   | 95       |
| 10) Methyl Iodide             | 2.453  | 142   | 57       | 1.963    | ug/l # | 37       |
| 11) Tert butyl alcohol        | 2.934  | 59    | 266      | 1.325    | ug/l # | 72       |
| 12) 1,1-Dichloroethene        | 2.319  | 96    | 596      | 0.599    | ug/l   | 89       |
| 16) Acetone                   | 2.380  | 43    | 117      | 0.233    | ug/l # | 45       |
| 20) Methylene Chloride        | 2.788  | 84    | 824      | 0.717    | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene  | 3.105  | 96    | 454      | 0.419    | ug/l # | 80       |
| 27) cis-1,2-Dichloroethene    | 4.489  | 96    | 14250    | 11.377   | ug/l   | 87       |
| 31) Cyclohexane               | 5.556  | 56    | 2081     | 1.244    | ug/l # | 3        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 7546     | 4.627    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 10464    | 5.785    | ug/l # | 16       |
| 39) Methylcyclohexane         | 7.123  | 83    | 1419     | 0.735    | ug/l # | 1        |
| 44) Trichloroethene           | 7.129  | 130   | 129158   | 99.422   | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 932      | 0.568    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 40971    | 27.596   | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 40971    | 87.811   | ug/l # | 6        |

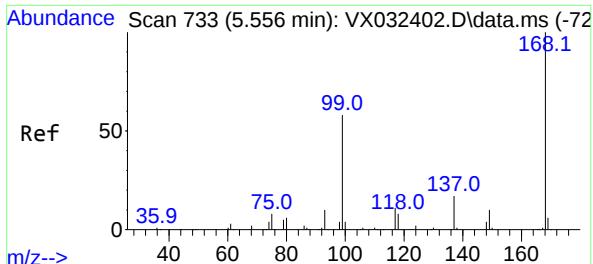
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111522\  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

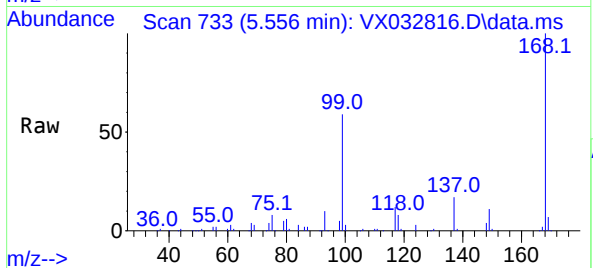
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 27 08:28:06 2022  
Response via : Initial Calibration



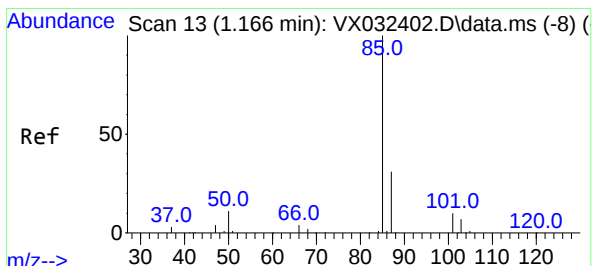
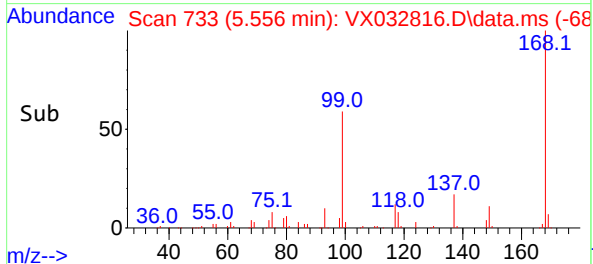
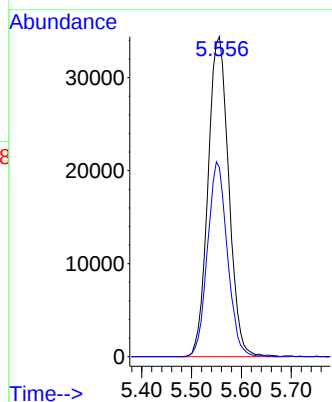


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :

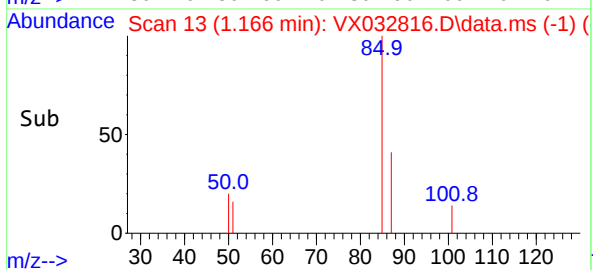
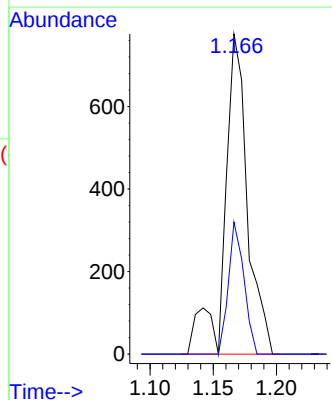
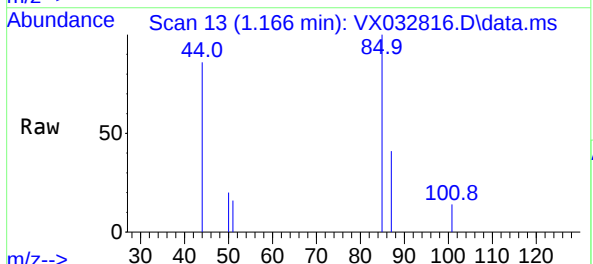


Tgt Ion:168 Resp: 99270  
Ion Ratio Lower Upper  
168 100  
99 59.1 46.1 69.1

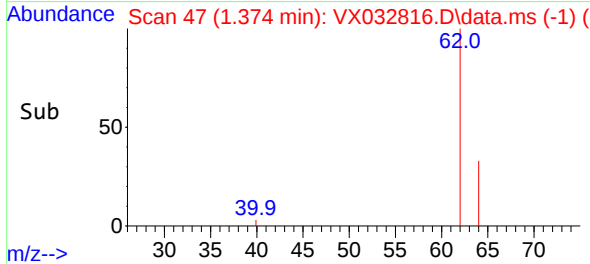
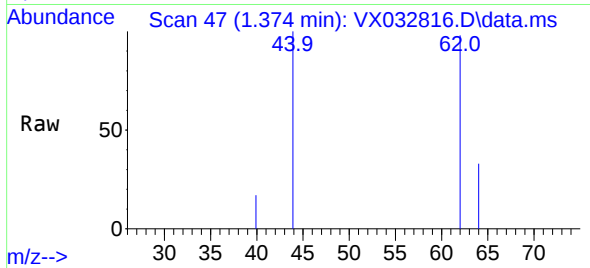
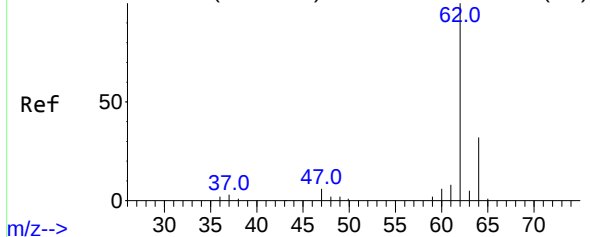


#2  
Dichlorodifluoromethane  
Concen: 0.847 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

Tgt Ion: 85 Resp: 970  
Ion Ratio Lower Upper  
85 100  
87 41.2 15.6 46.7



Abundance Scan 47 (1.374 min): VX032402.D\data.ms (-42)



#4

Vinyl Chloride

Concen: 0.487 ug/l

RT: 1.374 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX032816.D

Acq: 15 Nov 2022 12:44

Instrument :

MSVOA\_X

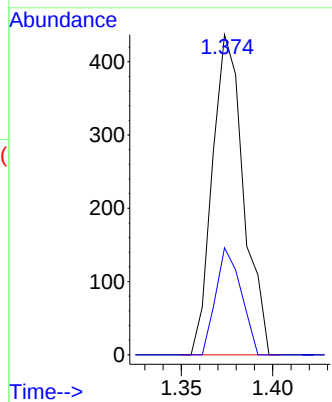
ClientSampleId :

Tgt Ion: 62 Resp: 519

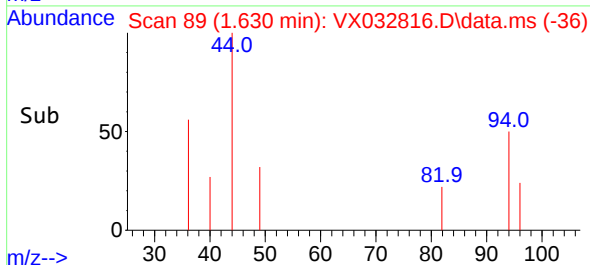
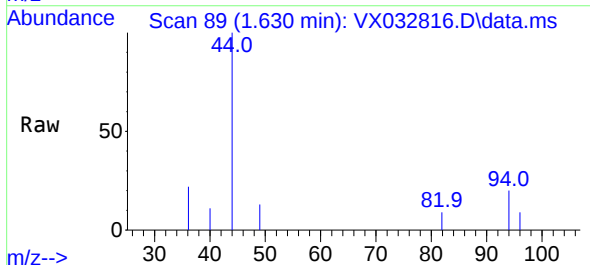
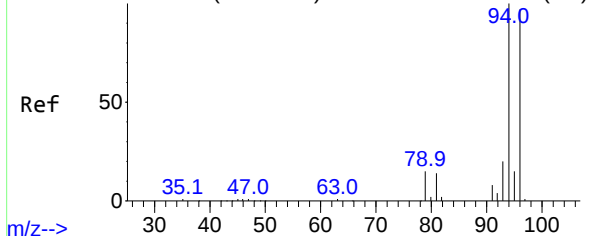
Ion Ratio Lower Upper

62 100

64 33.4 25.8 38.6



Abundance Scan 85 (1.605 min): VX032402.D\data.ms (-80)



#5

Bromomethane

Concen: 0.207 ug/l

RT: 1.630 min Scan# 89

Delta R.T. 0.024 min

Lab File: VX032816.D

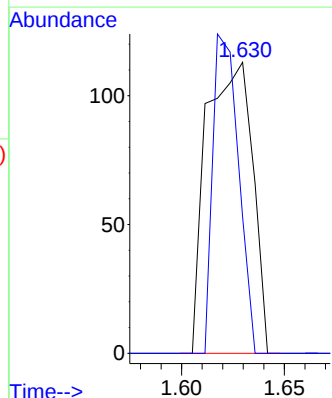
Acq: 15 Nov 2022 12:44

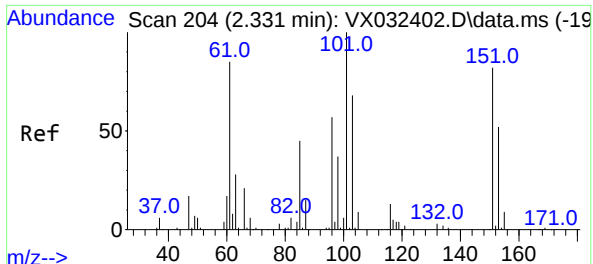
Tgt Ion: 94 Resp: 176

Ion Ratio Lower Upper

94 100

96 46.9 77.6 116.4#

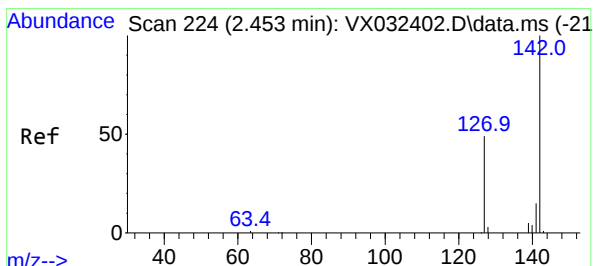
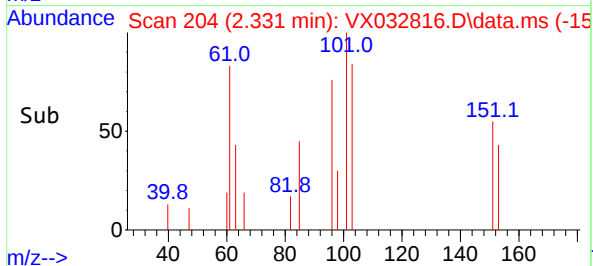
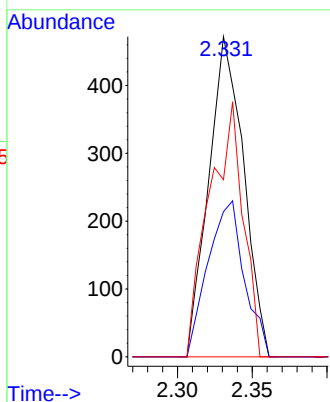
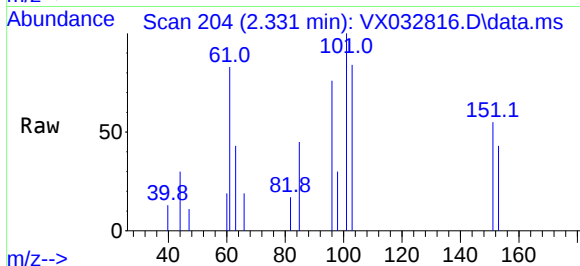




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.721 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. -0.000 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

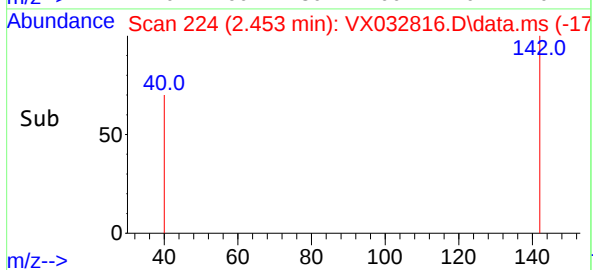
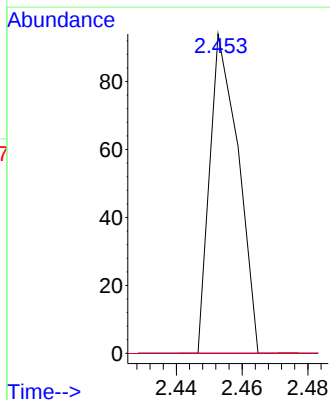
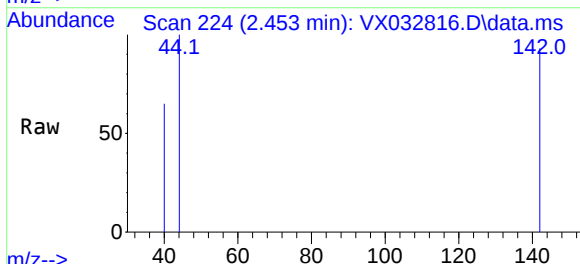
Instrument :  
MSVOA\_X  
ClientSampleId :

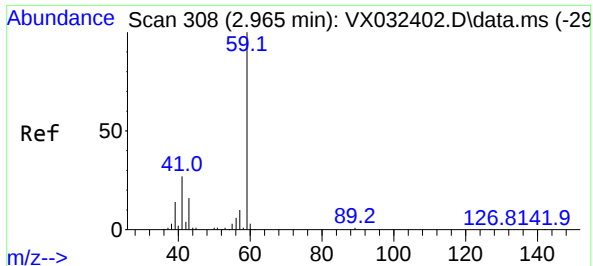
Tgt Ion:101 Resp: 768  
Ion Ratio Lower Upper  
101 100  
85 50.5 37.0 55.4  
151 77.0 64.4 96.6



#10  
Methyl Iodide  
Concen: 1.963 ug/l  
RT: 2.453 min Scan# 224  
Delta R.T. -0.000 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

Tgt Ion:142 Resp: 57  
Ion Ratio Lower Upper  
142 100  
127 0.0 38.6 57.8#  
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 1.325 ug/l

RT: 2.934 min Scan# 308

Delta R.T. -0.031 min

Lab File: VX032816.D

Acq: 15 Nov 2022 12:44

Instrument :

MSVOA\_X

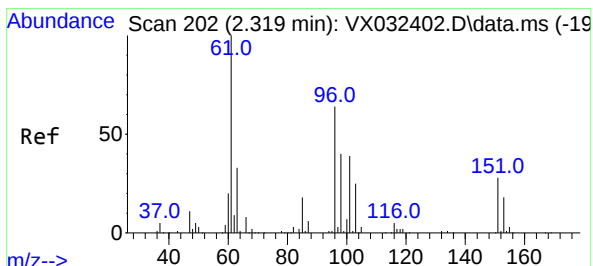
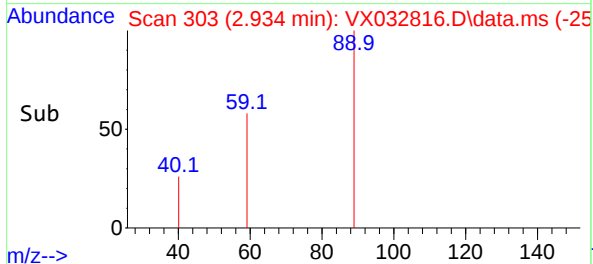
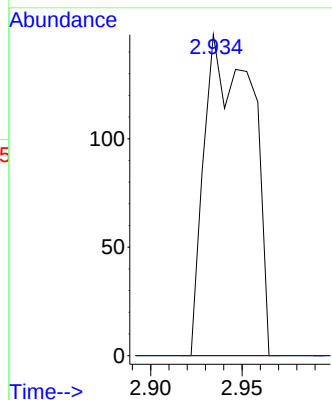
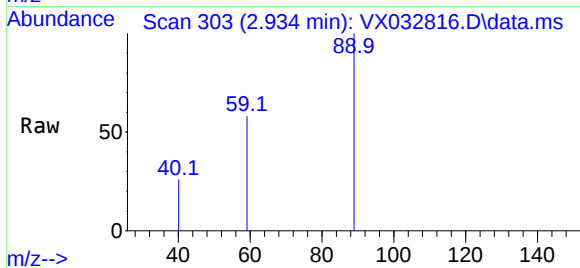
ClientSampleId :

Tgt Ion: 59 Resp: 266

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 0.599 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX032816.D

Acq: 15 Nov 2022 12:44

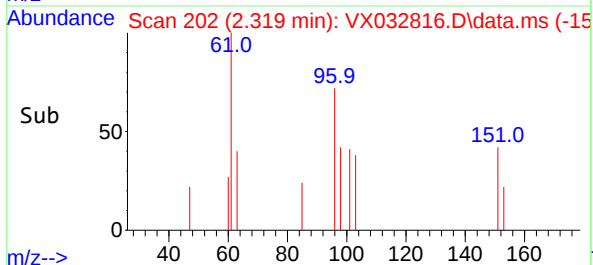
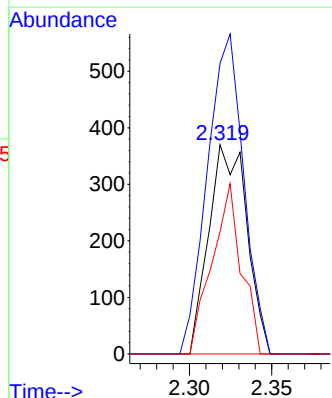
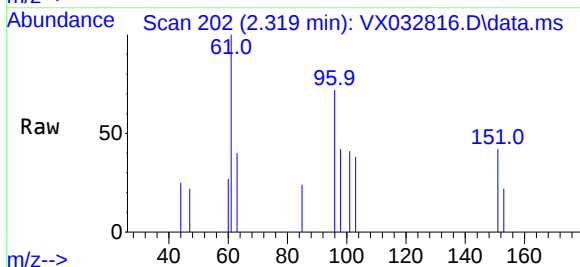
Tgt Ion: 96 Resp: 596

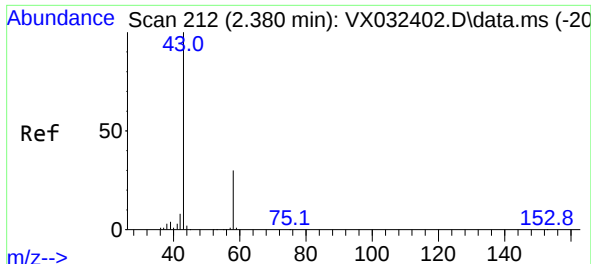
Ion Ratio Lower Upper

96 100

61 138.9 125.1 187.7

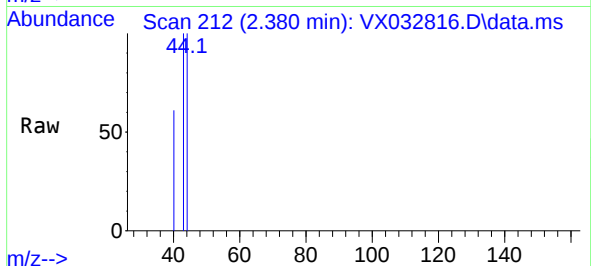
98 58.4 50.6 76.0



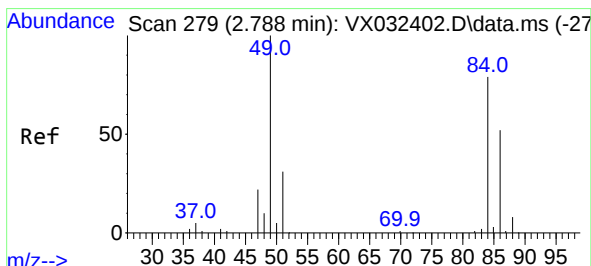
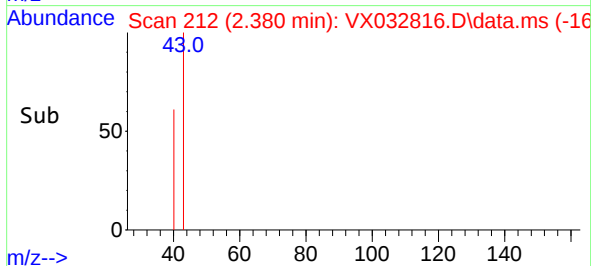
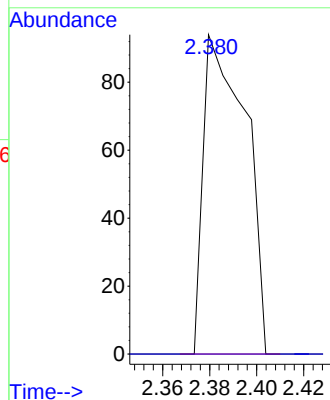


#16  
Acetone  
Concen: 0.233 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :

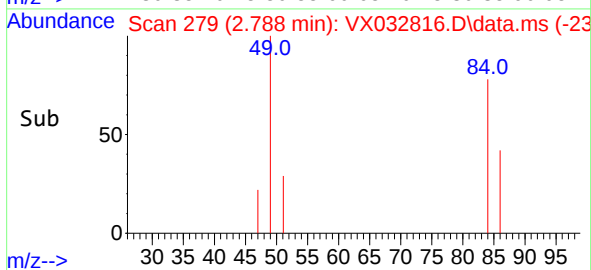
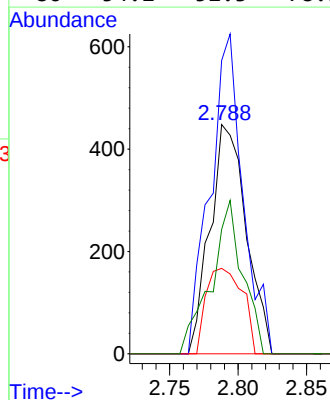
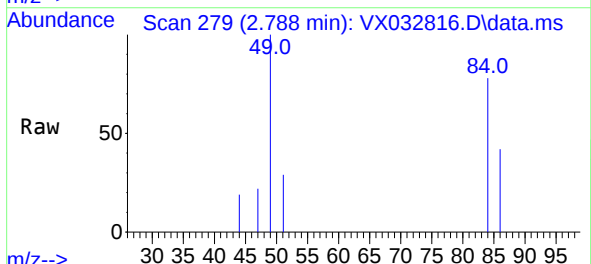


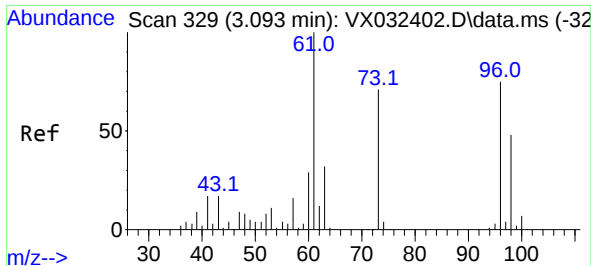
Tgt Ion: 43 Resp: 117  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.8 35.8#



#20  
Methylene Chloride  
Concen: 0.717 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. -0.000 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

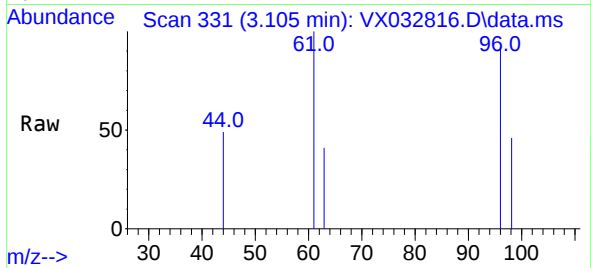
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Ion Ratio Lower Upper  
84 100  
49 127.9 101.0 151.6  
51 37.3 31.1 46.7  
86 54.2 52.3 78.5



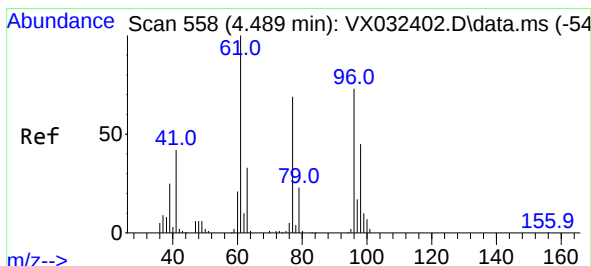
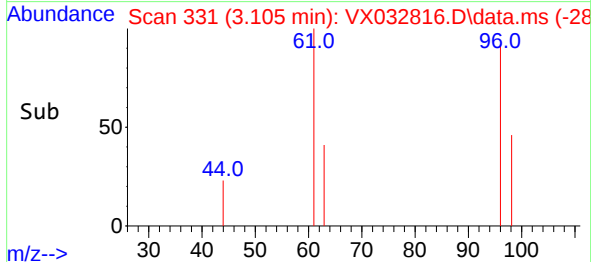
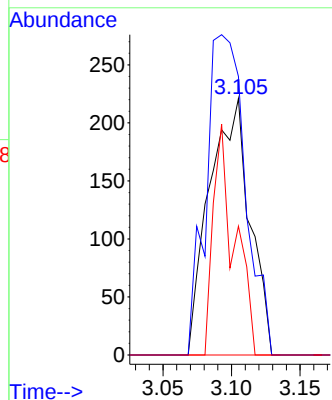


#21  
trans-1,2-Dichloroethene  
Concen: 0.419 ug/l  
RT: 3.105 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :

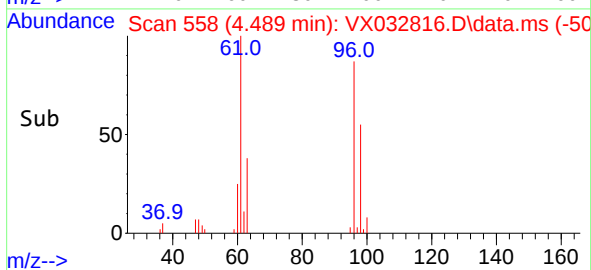
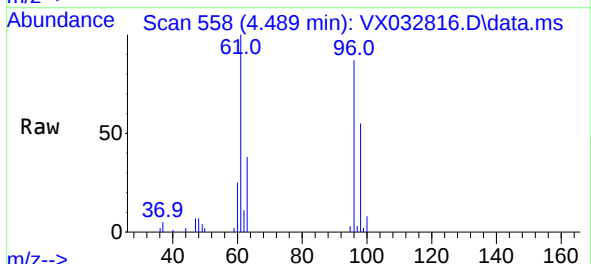
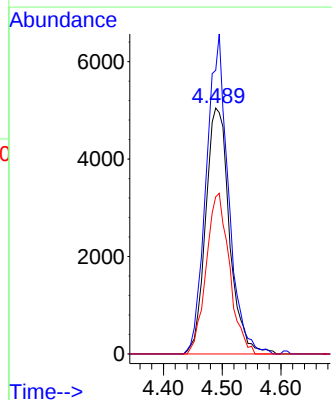


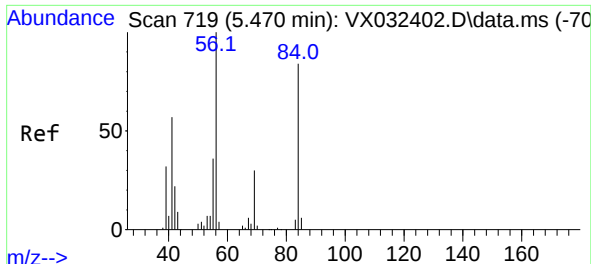
Tgt Ion: 96 Resp: 454  
Ion Ratio Lower Upper  
96 100  
61 108.6 106.6 160.0  
98 50.2 51.0 76.6#



#27  
cis-1,2-Dichloroethene  
Concen: 11.377 ug/l  
RT: 4.489 min Scan# 558  
Delta R.T. -0.000 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

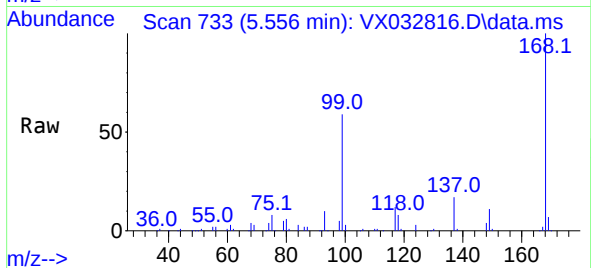
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Ion Ratio Lower Upper  
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61 120.9 0.0 286.0  
98 63.5 0.0 129.6



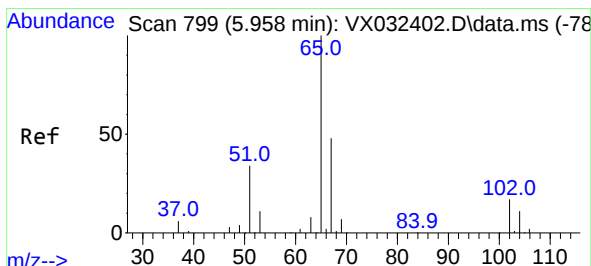
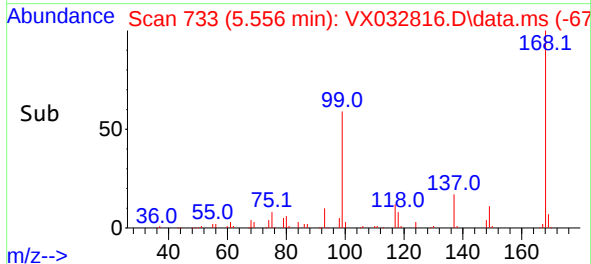
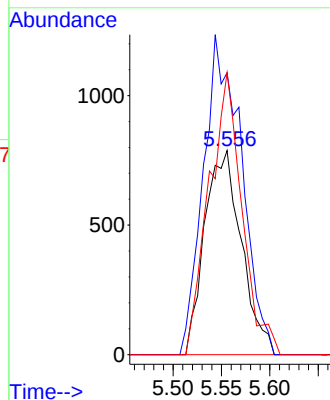


#31  
Cyclohexane  
Concen: 1.244 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :

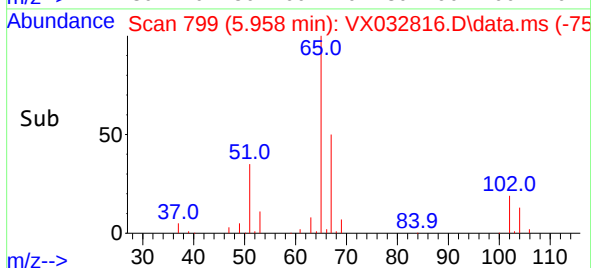
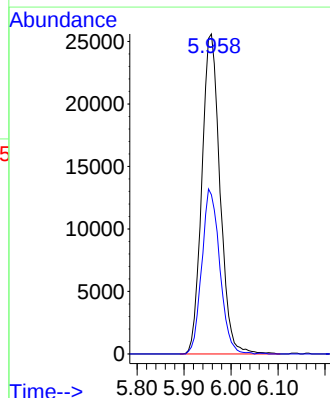
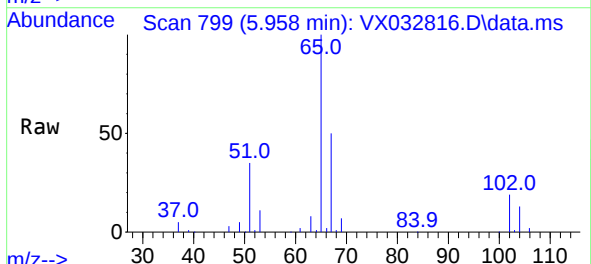


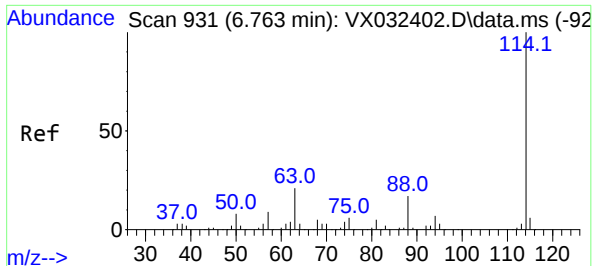
Tgt Ion: 56 Resp: 2081  
Ion Ratio Lower Upper  
56 100  
69 138.1 24.1 36.1#  
84 138.1 66.9 100.3#



#33  
1,2-Dichloroethane-d4  
Concen: 49.825 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

Tgt Ion: 65 Resp: 68725  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 101.8

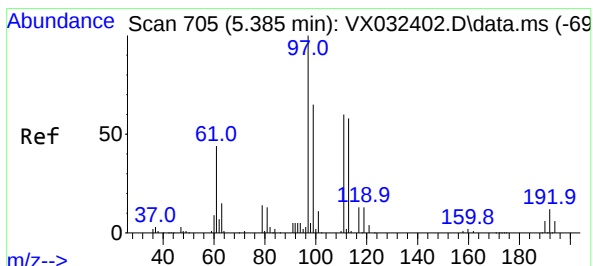
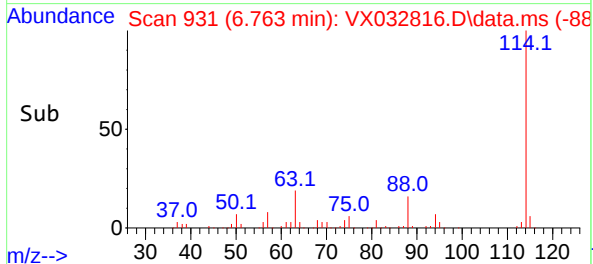
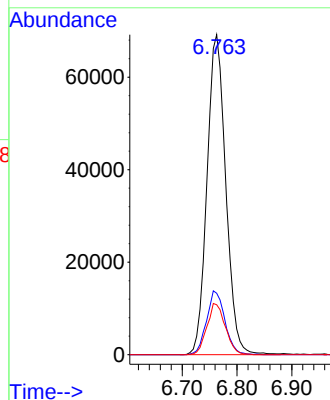
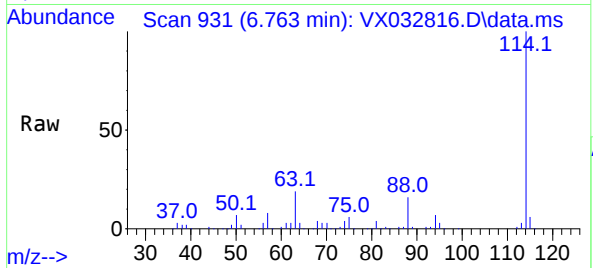




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

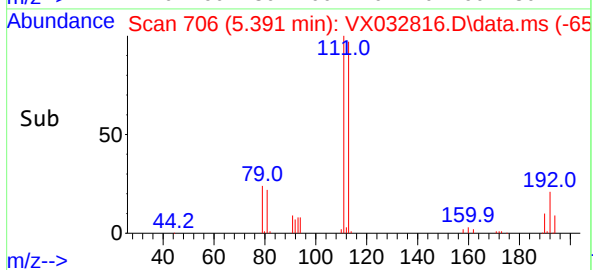
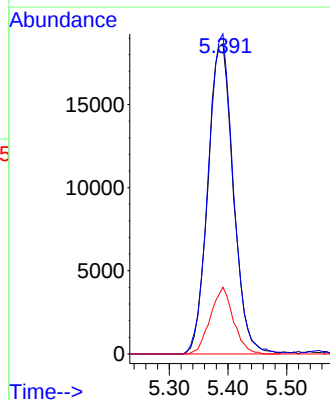
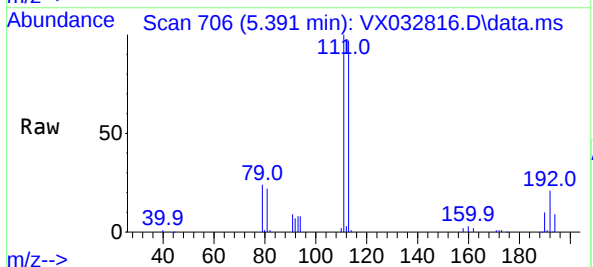
Instrument :  
MSVOA\_X  
ClientSampleId :

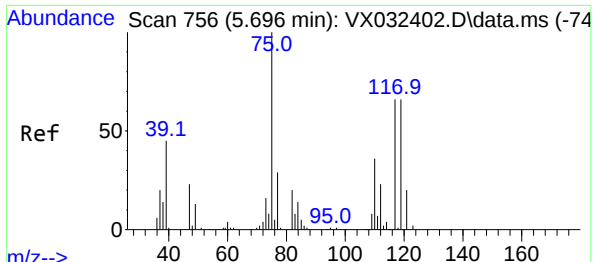
Tgt Ion:114 Resp: 164172  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 41.6  
88 15.6 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 47.805 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

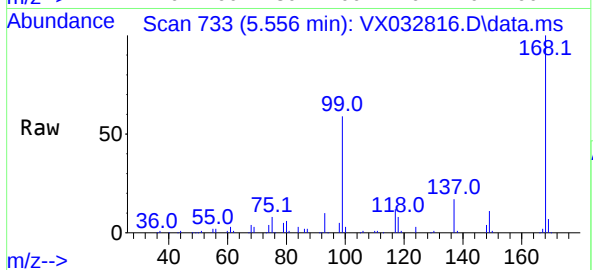
Tgt Ion:113 Resp: 55982  
Ion Ratio Lower Upper  
113 100  
111 101.7 82.4 123.6  
192 19.5 15.4 23.2



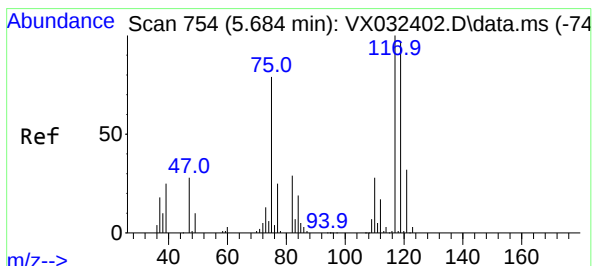
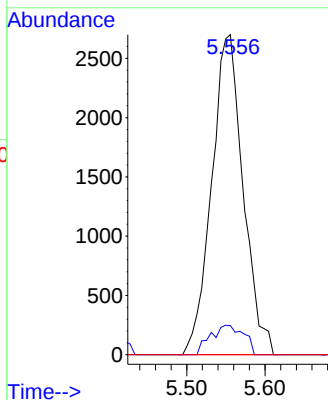
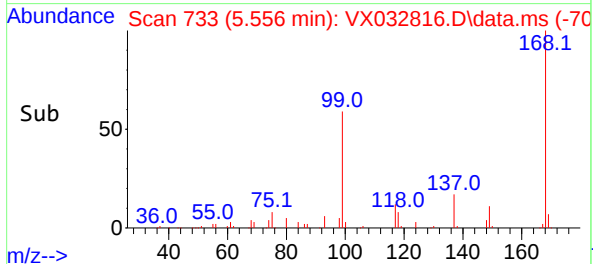


#36  
1,1-Dichloropropene  
Concen: 4.627 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

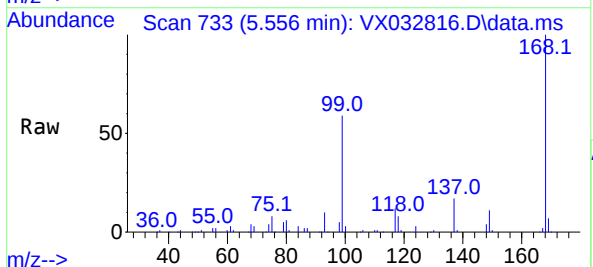
Instrument :  
MSVOA\_X  
ClientSampleId :



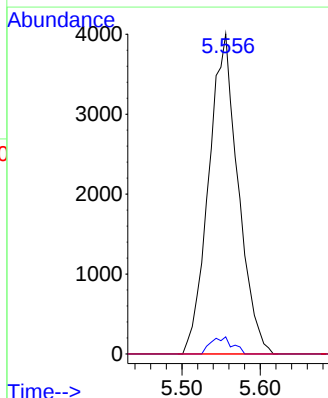
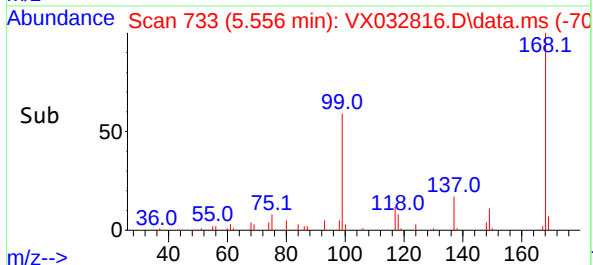
Tgt Ion: 75 Resp: 7546  
Ion Ratio Lower Upper  
75 100  
110 9.7 18.4 55.2#  
77 0.0 24.5 36.7#

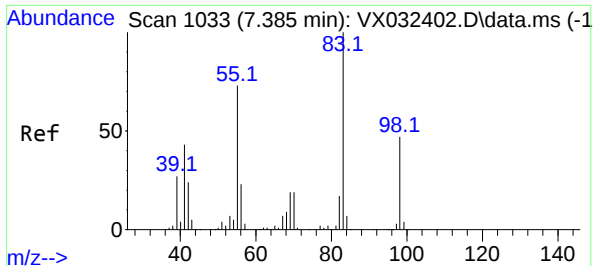


#38  
Carbon Tetrachloride  
Concen: 5.785 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.128 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44



Tgt Ion: 117 Resp: 10464  
Ion Ratio Lower Upper  
117 100  
119 5.4 77.2 115.8#  
121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 0.735 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.262 min

Lab File: VX032816.D

Acq: 15 Nov 2022 12:44

Instrument :

MSVOA\_X

ClientSampleId :

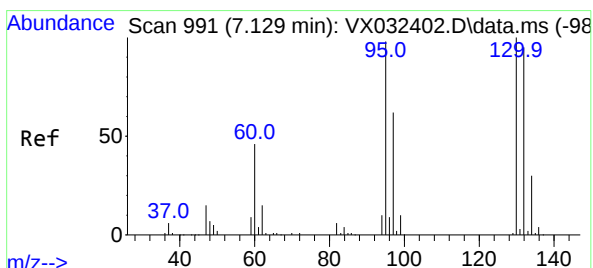
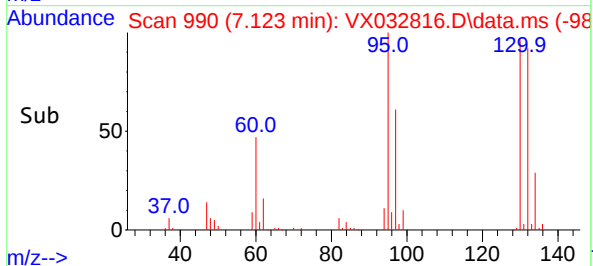
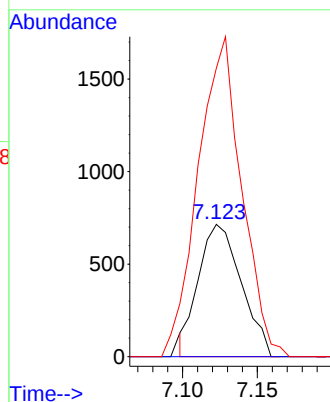
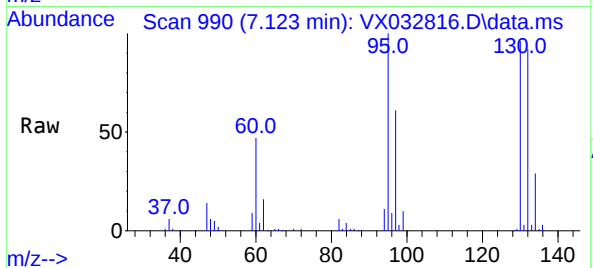
Tgt Ion: 83 Resp: 1419

Ion Ratio Lower Upper

83 100

55 0.0 58.4 87.6#

98 210.6 37.2 55.8#



#44

Trichloroethene

Concen: 99.422 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX032816.D

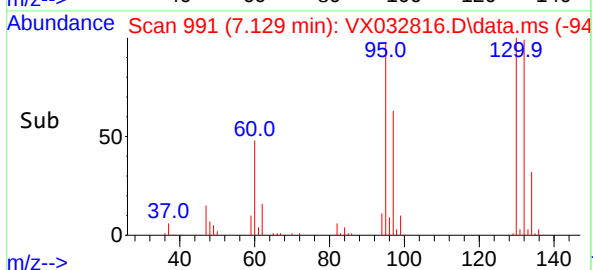
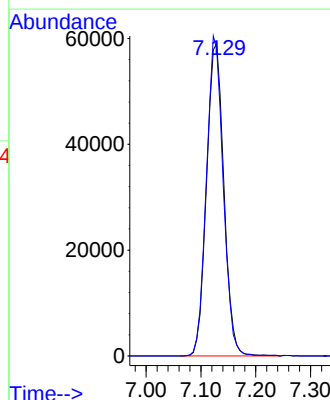
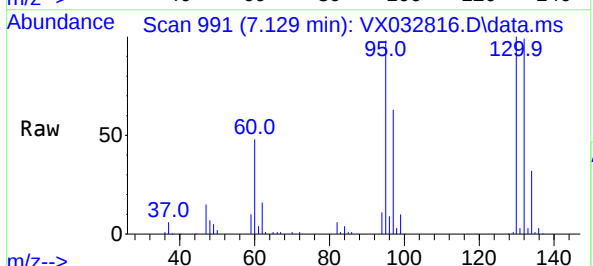
Acq: 15 Nov 2022 12:44

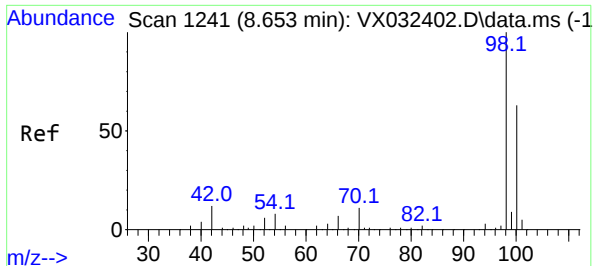
Tgt Ion:130 Resp: 129158

Ion Ratio Lower Upper

130 100

95 98.3 0.0 195.2





#50

Toluene-d8

Concen: 48.924 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032816.D

Acq: 15 Nov 2022 12:44

Instrument :

MSVOA\_X

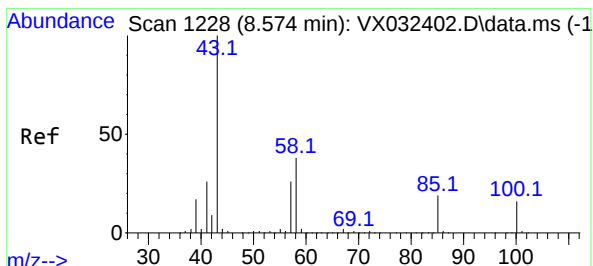
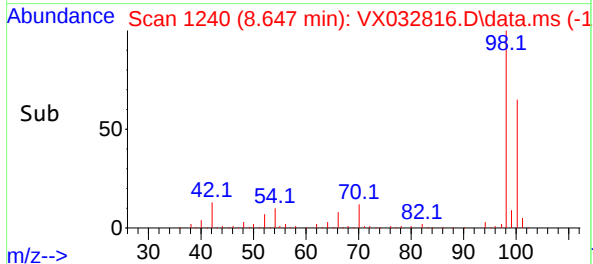
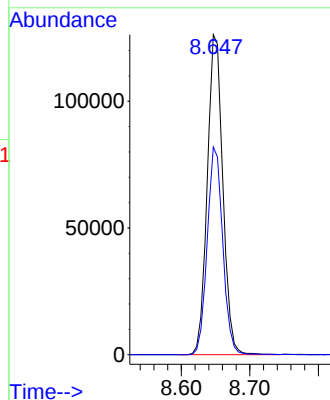
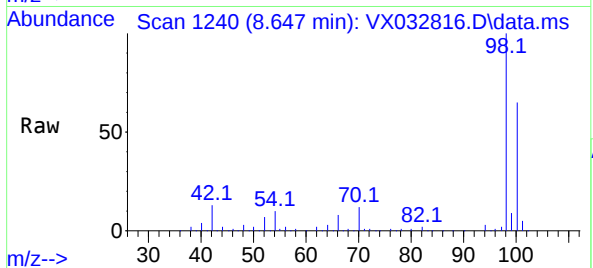
ClientSampleId :

Tgt Ion: 98 Resp: 199221

Ion Ratio Lower Upper

98 100

100 64.8 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.568 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX032816.D

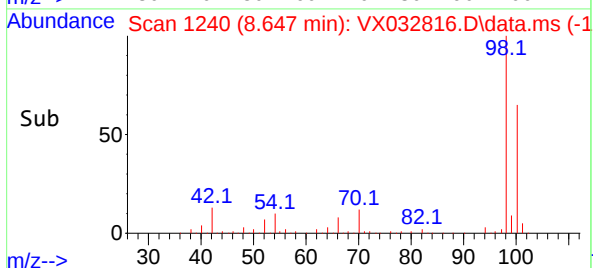
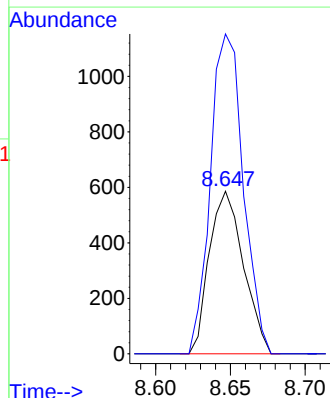
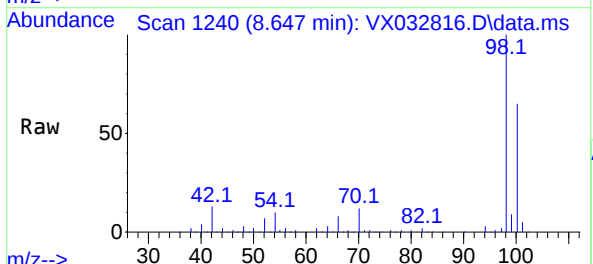
Acq: 15 Nov 2022 12:44

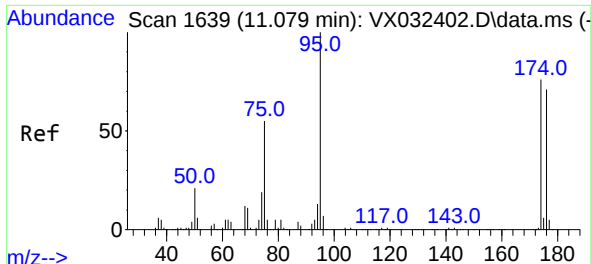
Tgt Ion: 43 Resp: 932

Ion Ratio Lower Upper

43 100

58 189.3 30.9 46.3#

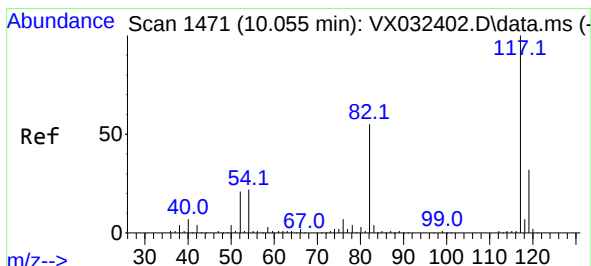
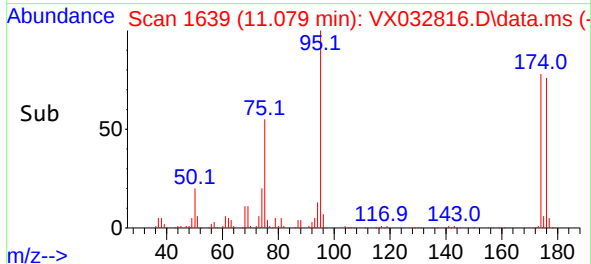
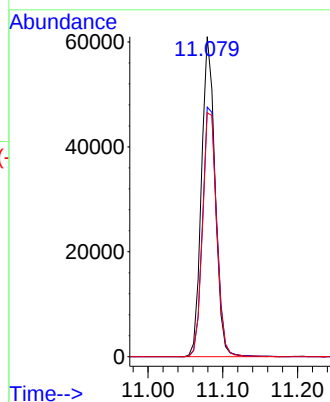
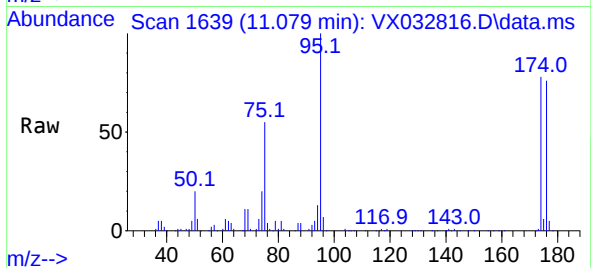




#62  
4-Bromofluorobenzene  
Concen: 48.057 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

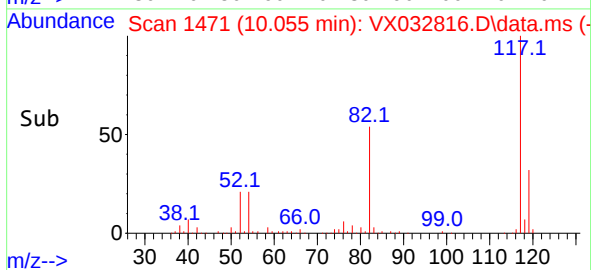
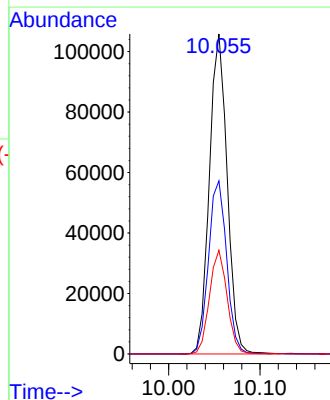
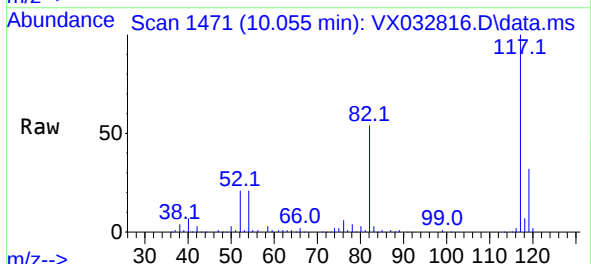
Instrument :  
MSVOA\_X  
ClientSampleId :

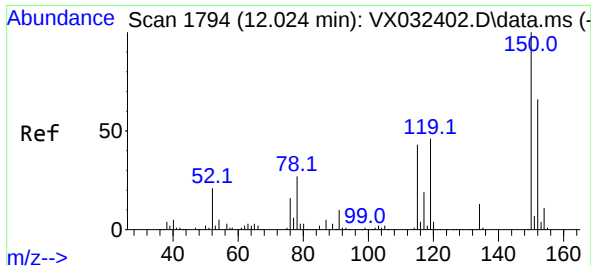
Tgt Ion: 95 Resp: 76440  
Ion Ratio Lower Upper  
95 100  
174 82.2 0.0 164.0  
176 80.0 0.0 154.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

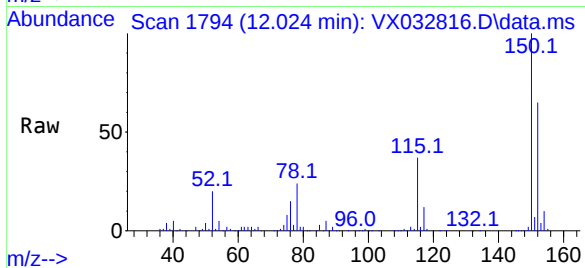
Tgt Ion: 117 Resp: 142988  
Ion Ratio Lower Upper  
117 100  
82 54.1 44.3 66.5  
119 32.4 25.7 38.5



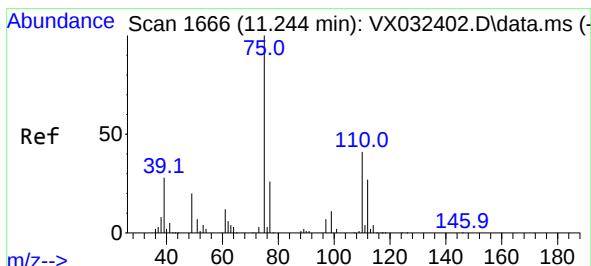
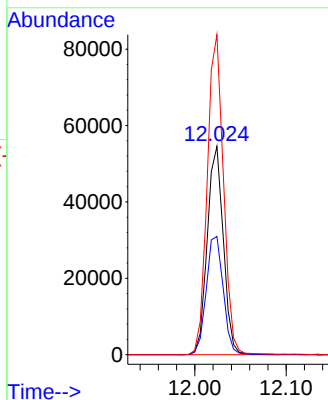
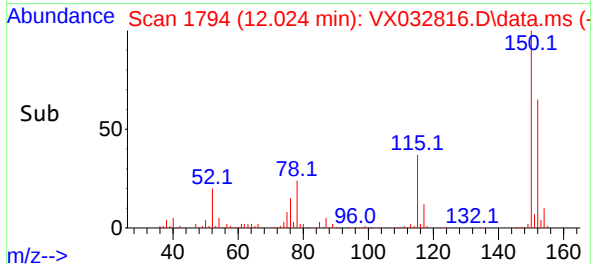


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

Instrument :  
MSVOA\_X  
ClientSampleId :

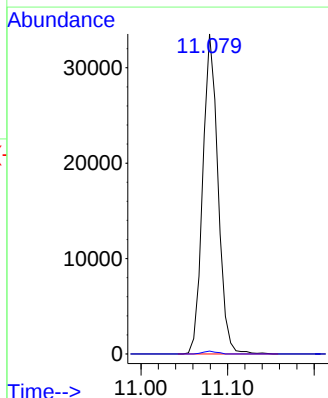
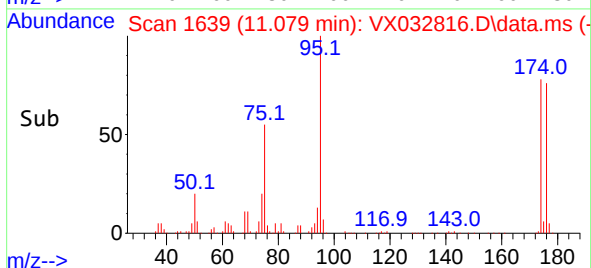
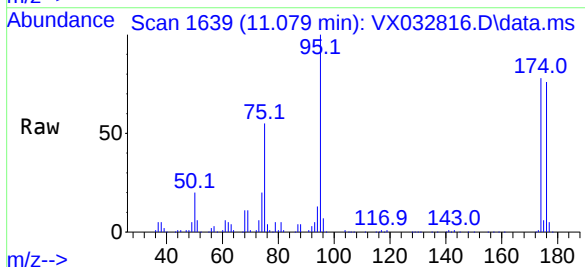


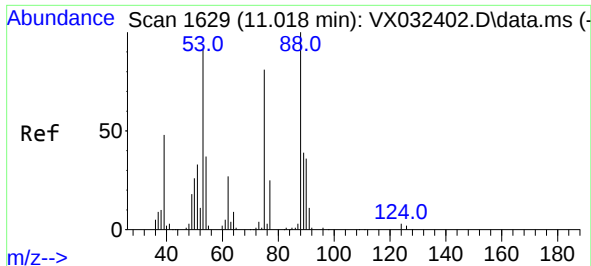
Tgt Ion:152 Resp: 66734  
Ion Ratio Lower Upper  
152 100  
115 60.0 44.0 132.0  
150 154.6 0.0 351.8



#76  
1,2,3-Trichloropropane  
Concen: 27.596 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX032816.D  
Acq: 15 Nov 2022 12:44

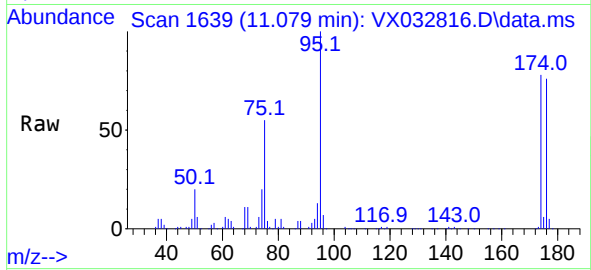
Tgt Ion: 75 Resp: 40971  
Ion Ratio Lower Upper  
75 100  
77 0.8 20.0 60.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 87.811 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX032816.D  
 Acq: 15 Nov 2022 12:44

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 40971  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 86.9 130.3#  
 89 0.0 38.3 57.5#

