

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103024\  
 Data File : VX043627.D  
 Acq On : 30 Oct 2024 16:20  
 Operator : JC/MD  
 Sample : PB164501ZHE#05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB164501ZHE#05

Quant Time: Oct 31 23:01:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102824W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 28 13:41:34 2024  
 Response via : Initial Calibration

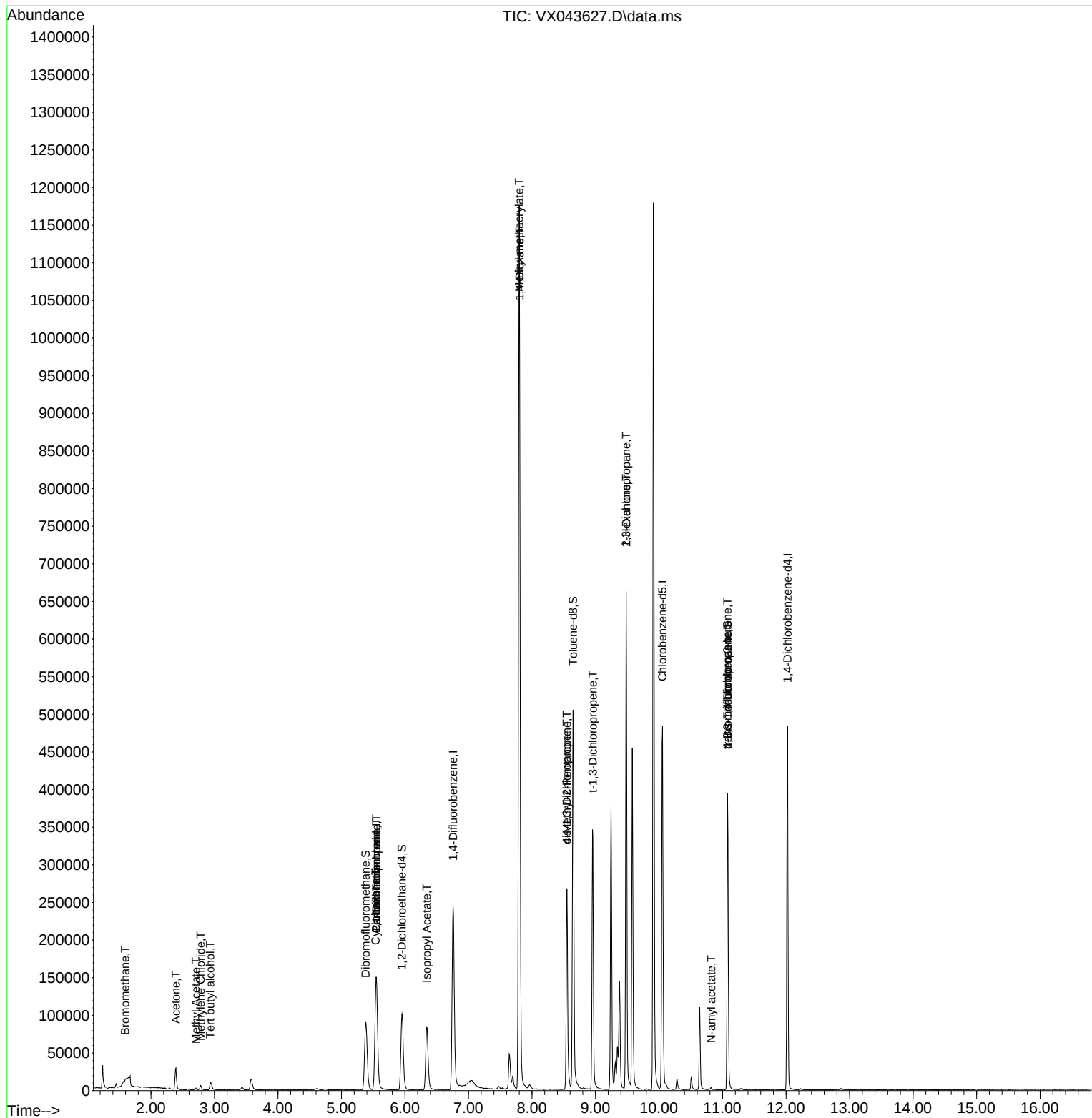
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 153192     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 272498     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 236644     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 108965     | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 96971      | 39.699  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 79.400% |        |          |
| 35) Dibromofluoromethane      | 5.379          | 113  | 82081      | 44.421  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 88.840% |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 317301     | 49.606  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 99.220% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 111414     | 47.006  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = | 94.020% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 5) Bromomethane               | 1.593          | 94   | 222        | 0.280   | ug/l # | 2        |
| 11) Tert butyl alcohol        | 2.934          | 59   | 5670       | 12.436  | ug/l # | 100      |
| 16) Acetone                   | 2.392          | 43   | 30803      | 31.756  | ug/l   | 97       |
| 18) Methyl Acetate            | 2.709          | 43   | 2857       | 1.008   | ug/l # | 89       |
| 20) Methylene Chloride        | 2.782          | 84   | 2617       | 1.252   | ug/l # | 81       |
| 31) Cyclohexane               | 5.538          | 56   | 3054       | 1.184   | ug/l # | 6        |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 11201      | 5.112   | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 15175      | 6.268   | ug/l # | 15       |
| 43) Isopropyl Acetate         | 6.342          | 43   | 119433     | 27.150  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.799          | 41   | 98245      | 47.105  | ug/l # | 41       |
| 49) 1,4-Dioxane               | 7.805          | 88   | 187        | 4.364   | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 8.549          | 43   | 91936      | 34.289  | ug/l # | 46       |
| 53) t-1,3-Dichloropropene     | 8.958          | 75   | 883        | 0.338   | ug/l # | 42       |
| 54) cis-1,3-Dichloropropene   | 8.549          | 75   | 46330      | 16.653  | ug/l # | 58       |
| 57) 1,3-Dichloropropane       | 9.482          | 76   | 6169       | 2.010   | ug/l # | 43       |
| 59) 2-Hexanone                | 9.482          | 43   | 75308      | 36.981  | ug/l # | 51       |
| 74) N-amyl acetate            | 10.823         | 43   | 759        | 0.202   | ug/l # | 42       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 52739      | 22.637  | ug/l # | 33       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 52739      | 62.274  | ug/l # | 7        |
| -----                         |                |      |            |         |        |          |

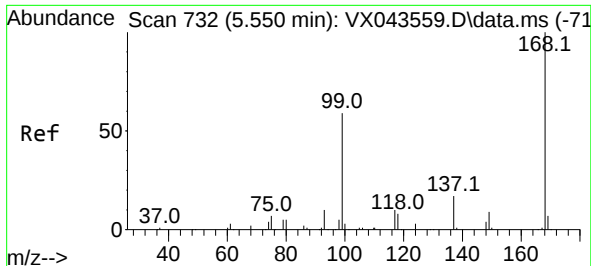
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103024\  
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Instrument :  
MSVOA\_X  
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Quant Title : SW846 8260  
QLast Update : Mon Oct 28 13:41:34 2024  
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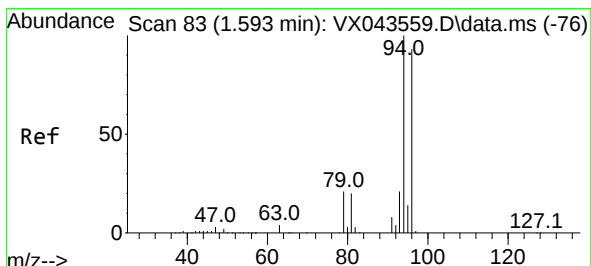
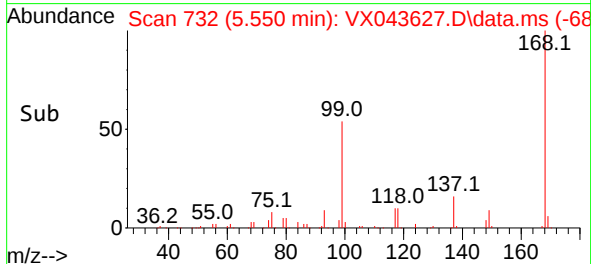
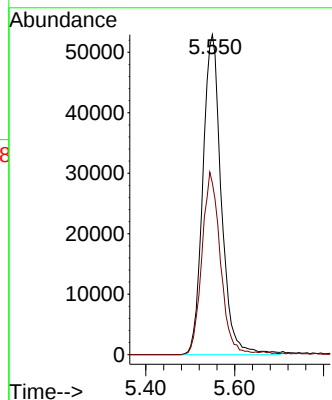
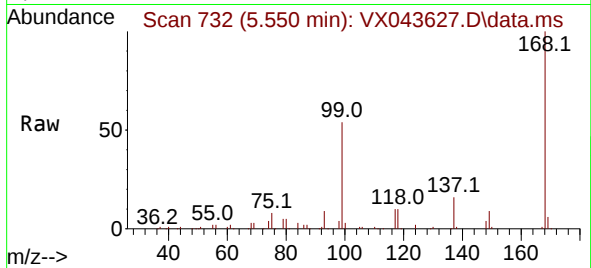




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

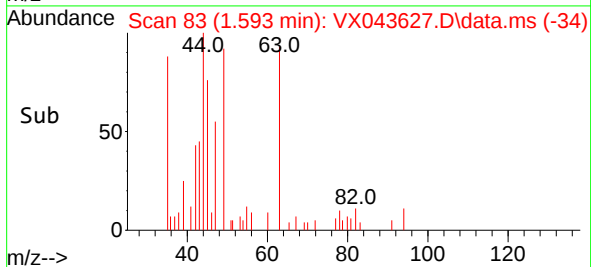
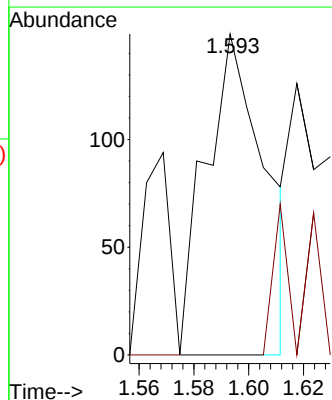
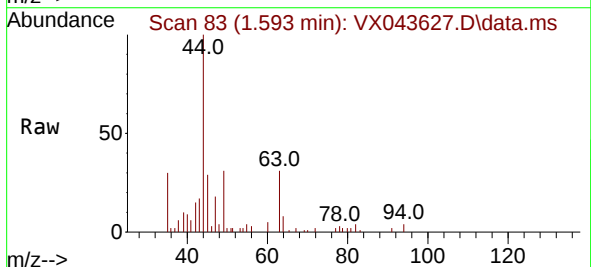
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB164501ZHE#05

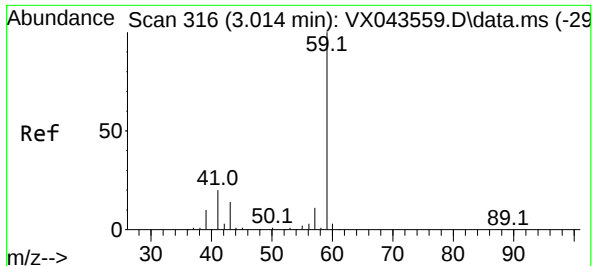
Tgt Ion:168 Resp: 153192  
Ion Ratio Lower Upper  
168 100  
99 53.7 52.6 78.8



#5  
Bromomethane  
Concen: 0.280 ug/l  
RT: 1.593 min Scan# 83  
Delta R.T. 0.000 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

Tgt Ion: 94 Resp: 222  
Ion Ratio Lower Upper  
94 100  
96 0.0 75.9 113.9#





#11

Tert butyl alcohol

Concen: 12.436 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.116 min

Lab File: VX043627.D

Acq: 30 Oct 2024 16:20

Instrument :

MSVOA\_X

ClientSampleId :

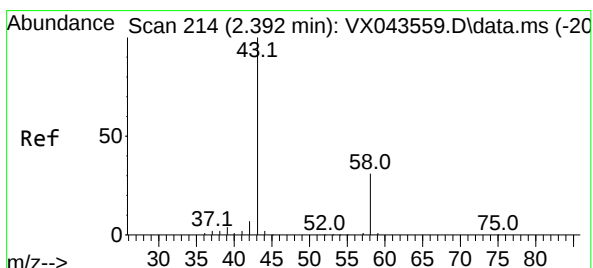
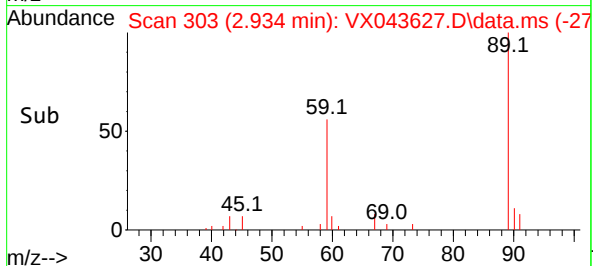
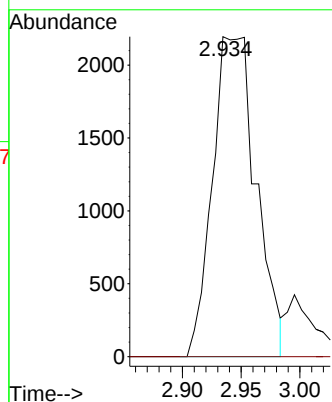
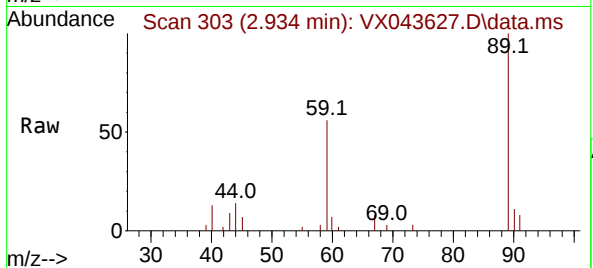
PB164501ZHE#05

Tgt Ion: 59 Resp: 5670

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



#16

Acetone

Concen: 31.756 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX043627.D

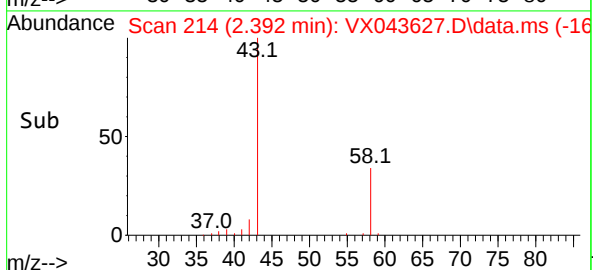
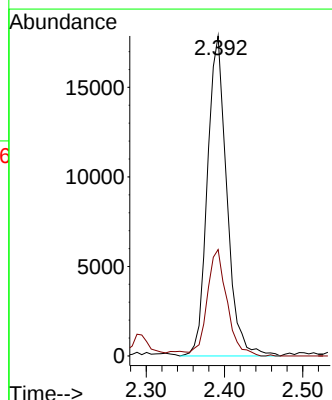
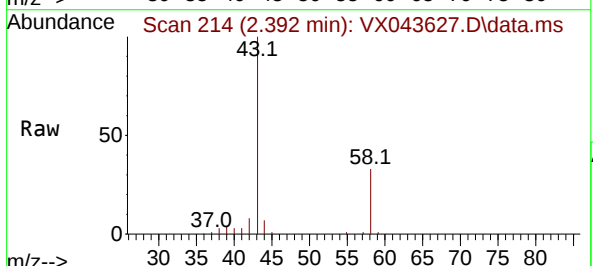
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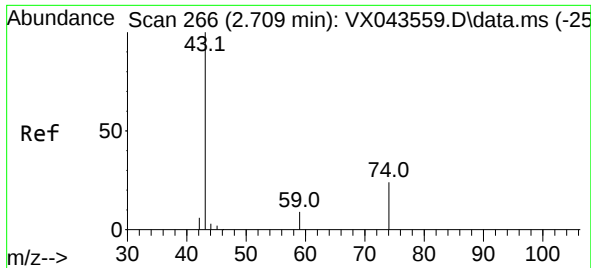
Tgt Ion: 43 Resp: 30803

Ion Ratio Lower Upper

43 100

58 33.3 25.1 37.7

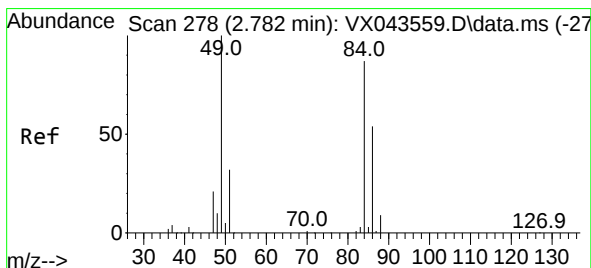
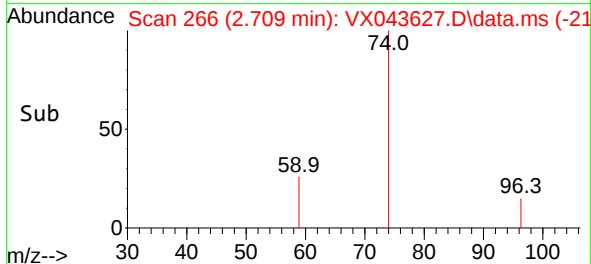
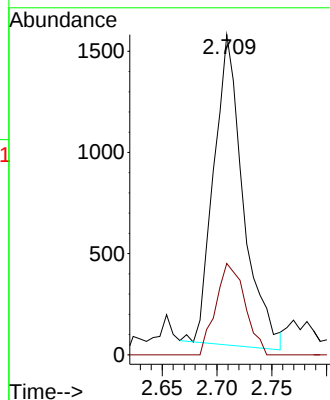
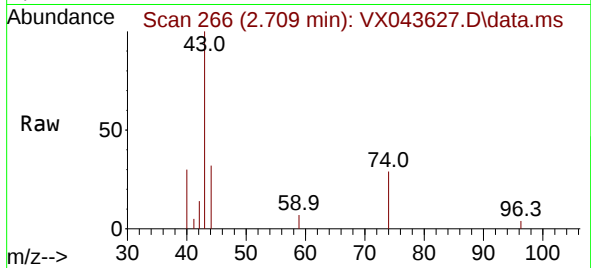




#18  
Methyl Acetate  
Concen: 1.008 ug/l  
RT: 2.709 min Scan# 218  
Delta R.T. 0.000 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

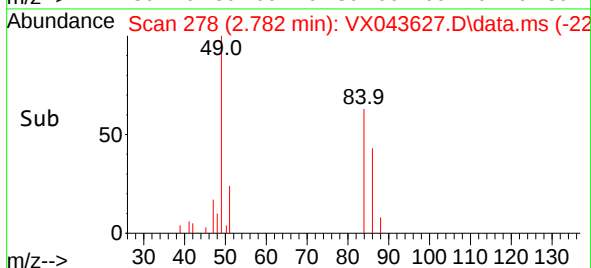
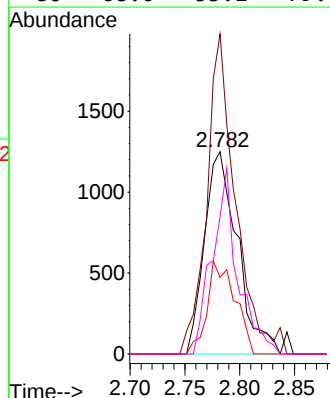
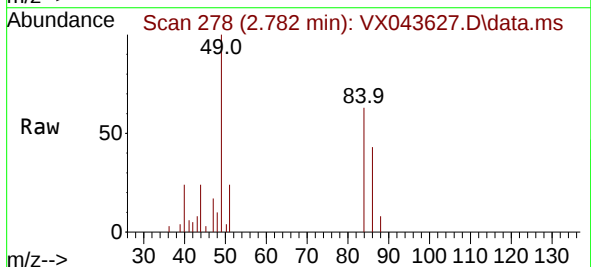
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB164501ZHE#05

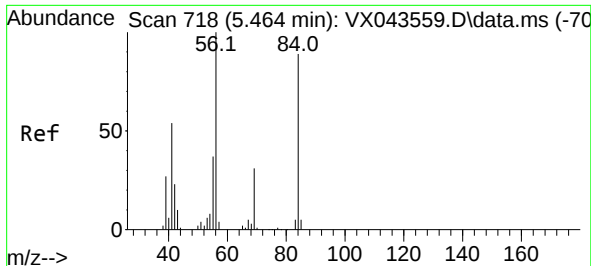
Tgt Ion: 43 Resp: 2857  
Ion Ratio Lower Upper  
43 100  
74 29.1 19.1 28.7#



#20  
Methylene Chloride  
Concen: 1.252 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.000 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

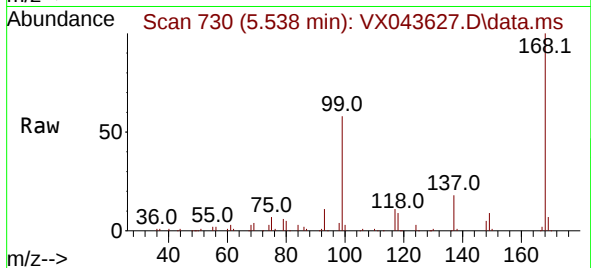
Tgt Ion: 84 Resp: 2617  
Ion Ratio Lower Upper  
84 100  
49 158.2 97.0 145.6#  
51 37.9 29.8 44.8  
86 68.0 53.1 79.7



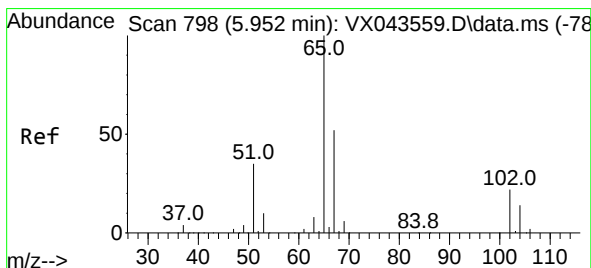
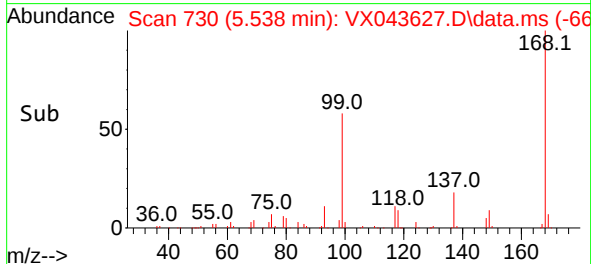
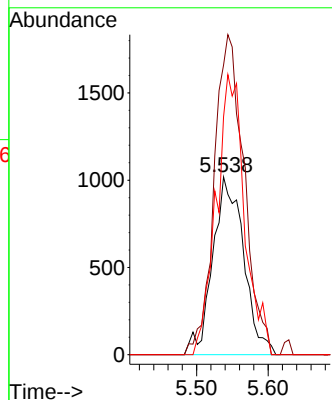


#31  
Cyclohexane  
Concen: 1.184 ug/l  
RT: 5.538 min Scan# 718  
Delta R.T. 0.079 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB164501ZHE#05

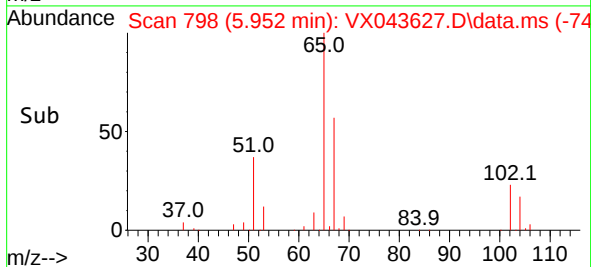
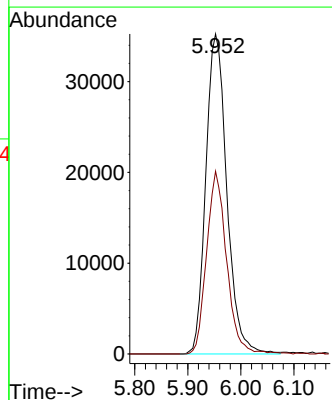
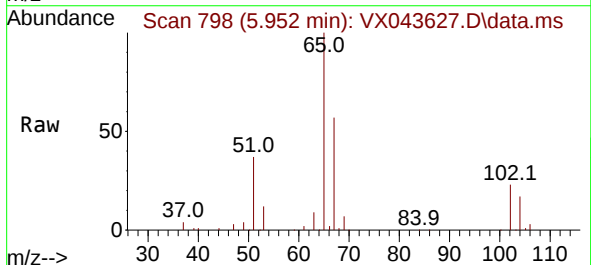


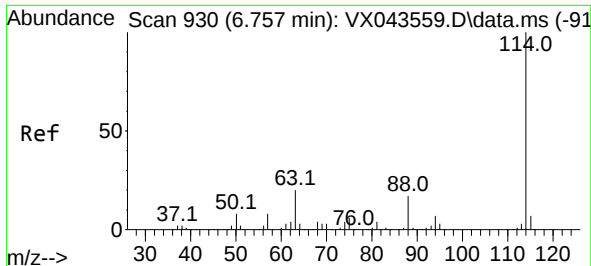
Tgt Ion: 56 Resp: 3054  
Ion Ratio Lower Upper  
56 100  
69 162.9 24.9 37.3#  
84 133.9 73.3 109.9#



#33  
1,2-Dichloroethane-d4  
Concen: 39.699 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

Tgt Ion: 65 Resp: 96971  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 103.4

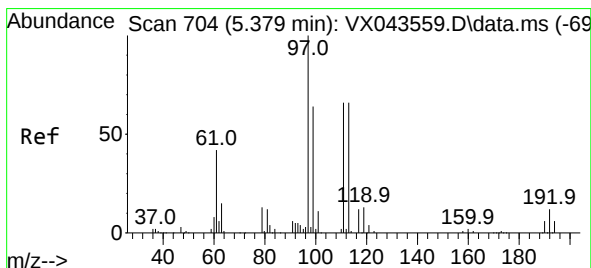
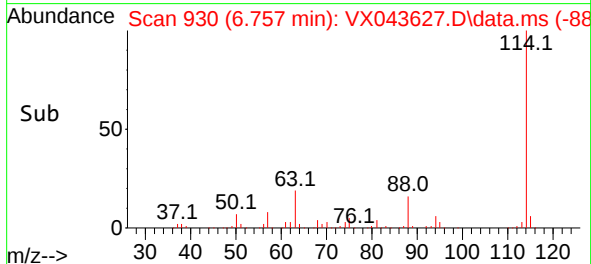
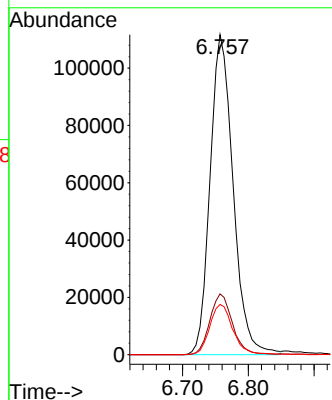
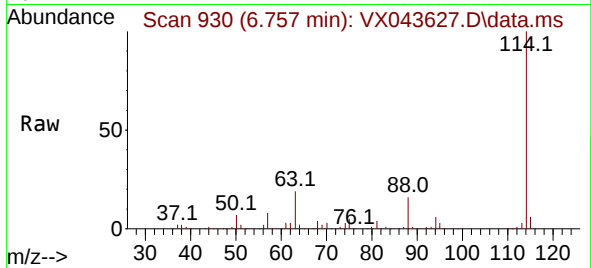




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

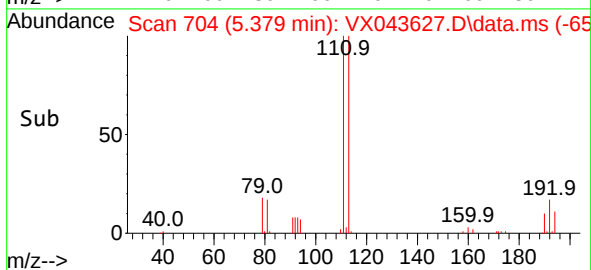
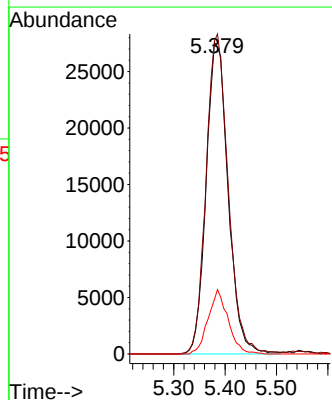
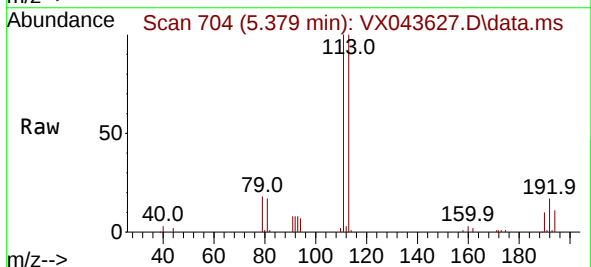
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PB164501ZHE#05

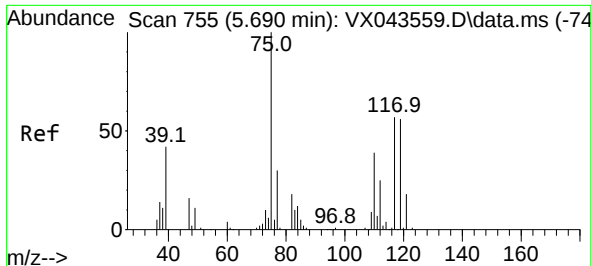
Tgt Ion:114 Resp: 272498  
Ion Ratio Lower Upper  
114 100  
63 19.0 0.0 41.2  
88 15.7 0.0 34.0



#35  
Dibromofluoromethane  
Concen: 44.421 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

Tgt Ion:113 Resp: 82081  
Ion Ratio Lower Upper  
113 100  
111 103.5 81.4 122.0  
192 18.8 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.112 ug/l

RT: 5.550 min Scan# 712

Delta R.T. -0.134 min

Lab File: VX043627.D

Acq: 30 Oct 2024 16:20

Instrument :

MSVOA\_X

ClientSampleId :

PB164501ZHE#05

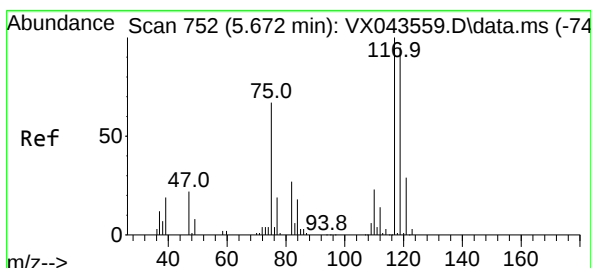
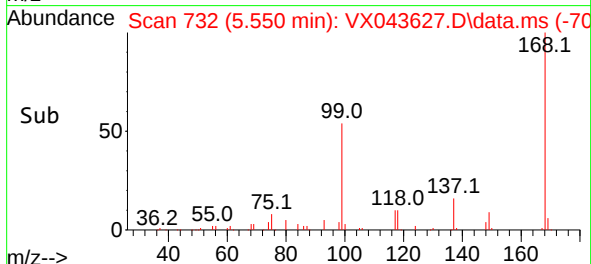
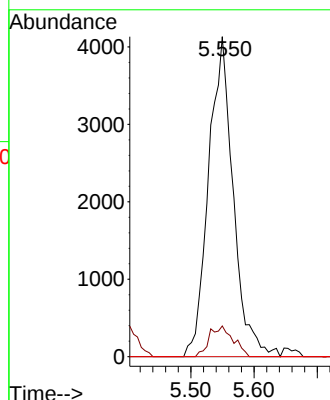
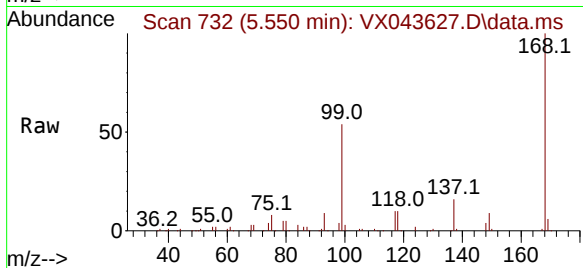
Tgt Ion: 75 Resp: 11201

Ion Ratio Lower Upper

75 100

110 9.2 17.9 53.7#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.268 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX043627.D

Acq: 30 Oct 2024 16:20

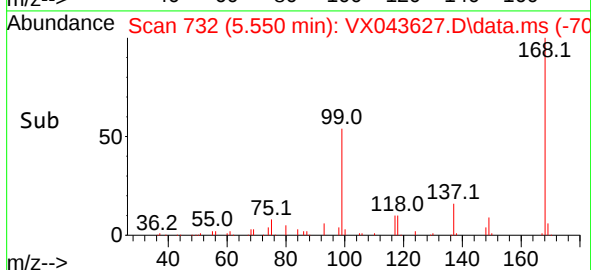
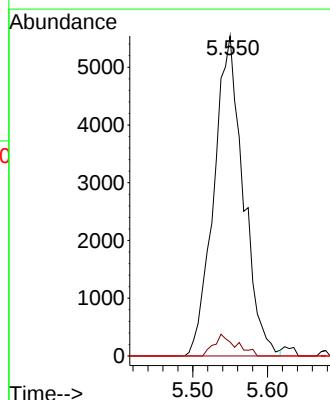
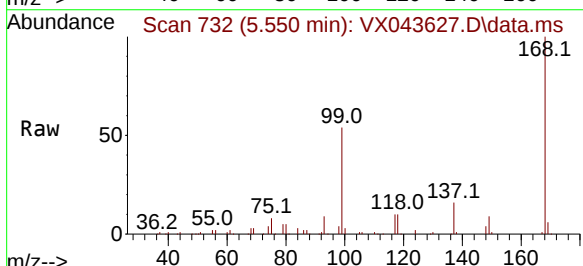
Tgt Ion: 117 Resp: 15175

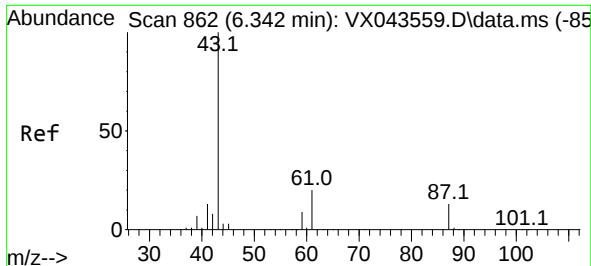
Ion Ratio Lower Upper

117 100

119 4.4 77.0 115.6#

121 0.0 24.7 37.1#

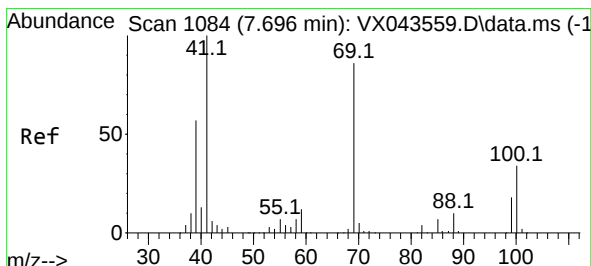
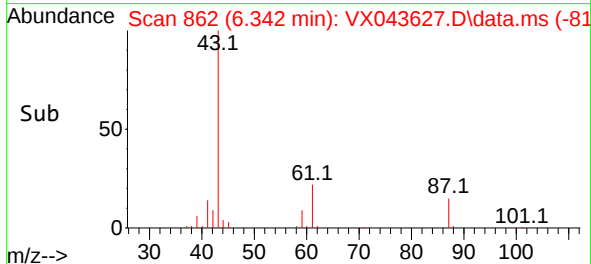
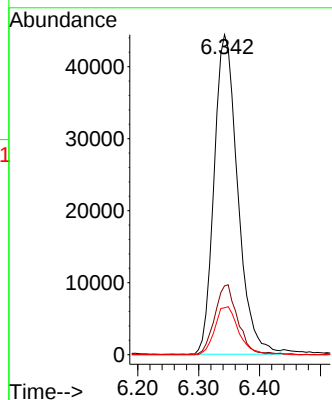
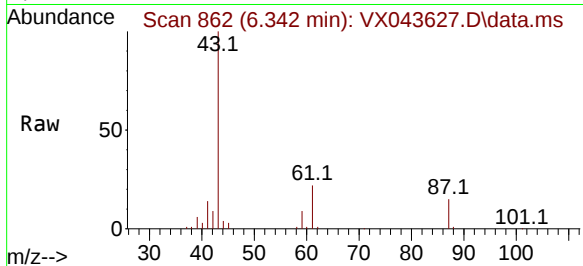




#43  
Isopropyl Acetate  
Concen: 27.150 ug/l  
RT: 6.342 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

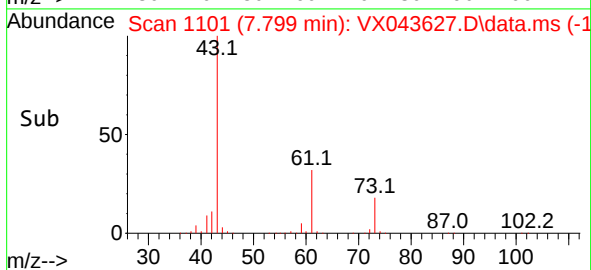
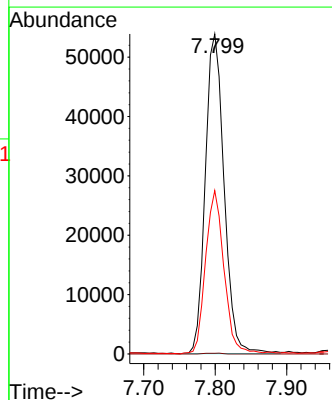
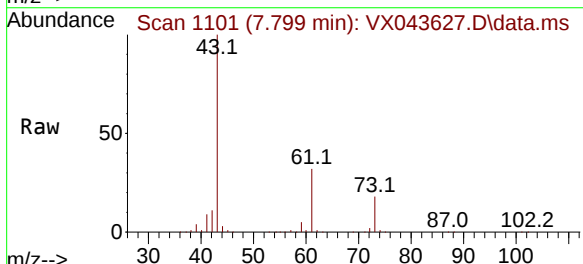
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB164501ZHE#05

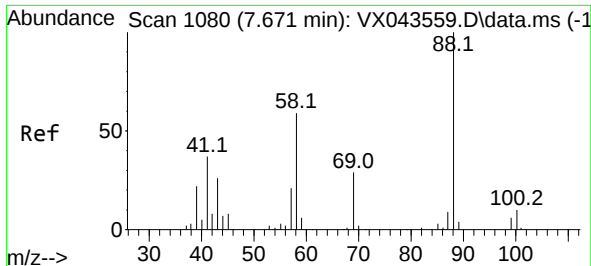
Tgt Ion: 43 Resp: 119433  
Ion Ratio Lower Upper  
43 100  
61 21.4 16.2 24.4  
87 15.1 11.0 16.6



#48  
Methyl methacrylate  
Concen: 47.105 ug/l  
RT: 7.799 min Scan# 1101  
Delta R.T. 0.104 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

Tgt Ion: 41 Resp: 98245  
Ion Ratio Lower Upper  
41 100  
69 0.2 67.7 101.5#  
39 50.2 46.3 69.5

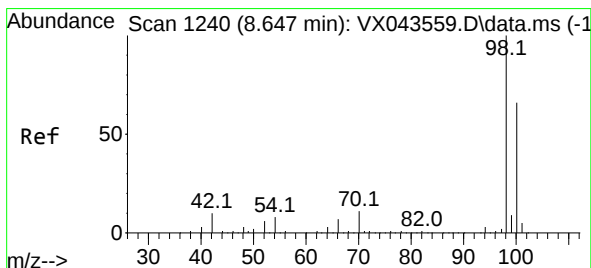
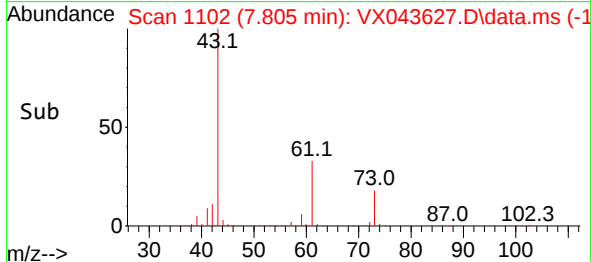
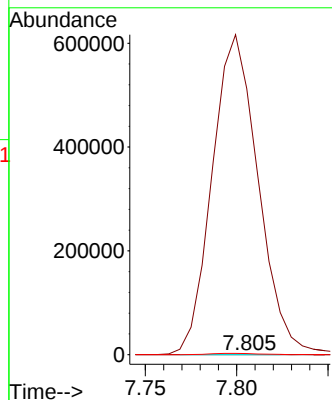
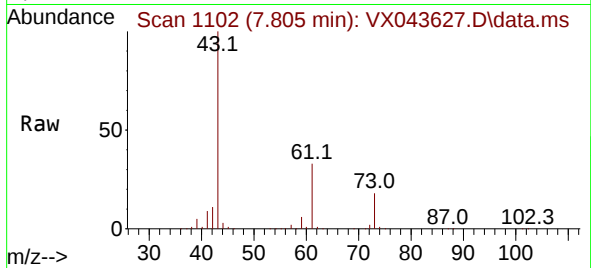




#49  
1,4-Dioxane  
Concen: 4.364 ug/l  
RT: 7.805 min Scan# 1102  
Delta R.T. 0.134 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

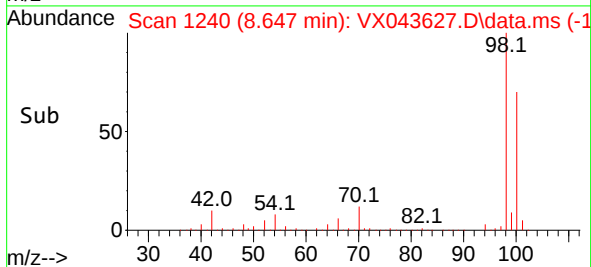
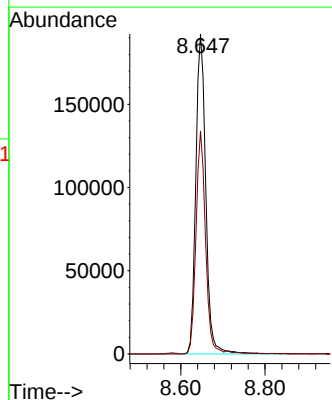
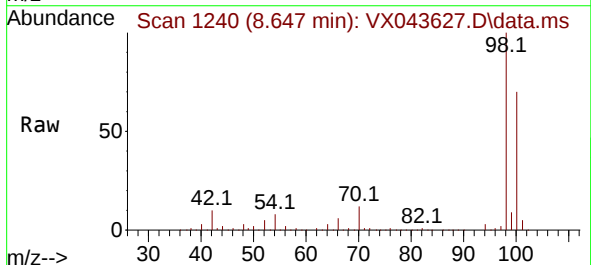
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB164501ZHE#05

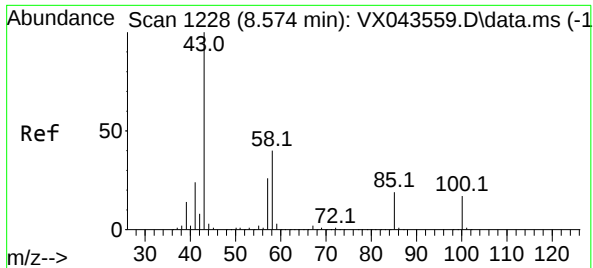
Tgt Ion: 88 Resp: 187  
Ion Ratio Lower Upper  
88 100  
43 587073.8 25.3 37.9#  
58 2618.2 53.9 80.9#



#50  
Toluene-d8  
Concen: 49.606 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

Tgt Ion: 98 Resp: 317301  
Ion Ratio Lower Upper  
98 100  
100 66.9 53.4 80.2

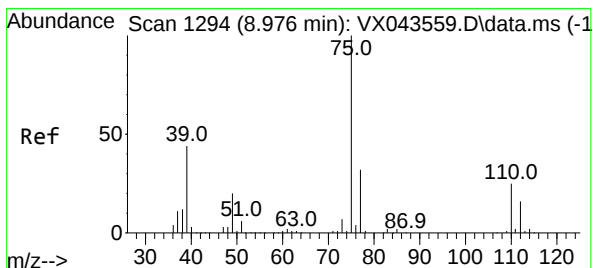
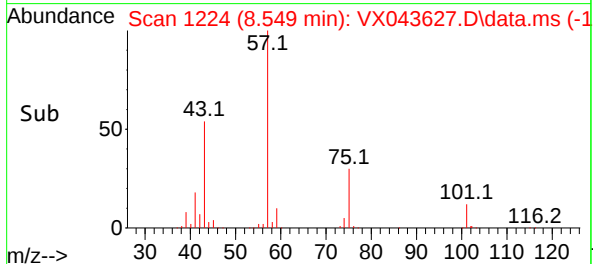
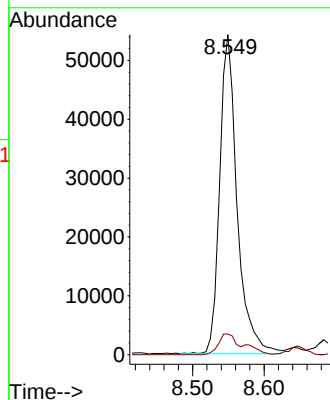
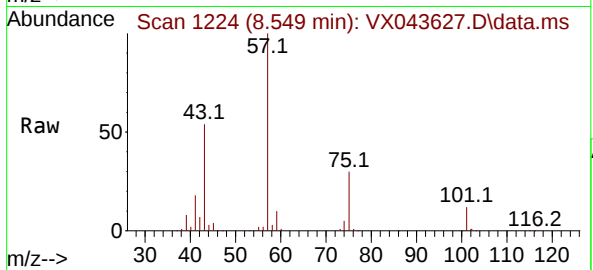




#51  
4-Methyl-2-Pentanone  
Concen: 34.289 ug/l  
RT: 8.549 min Scan# 11  
Delta R.T. -0.030 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

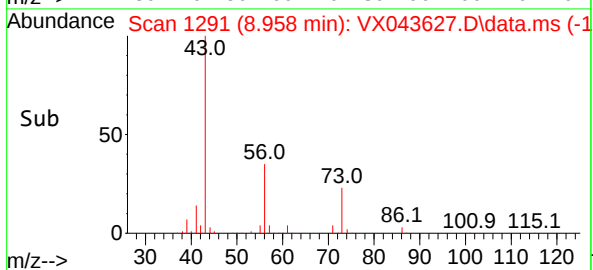
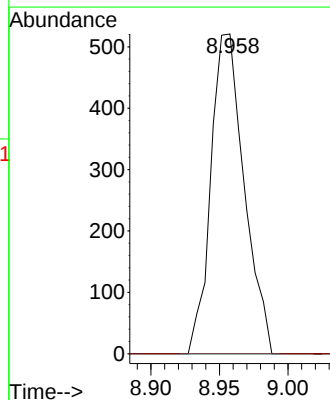
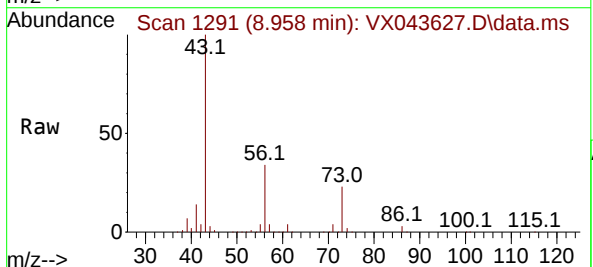
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB164501ZHE#05

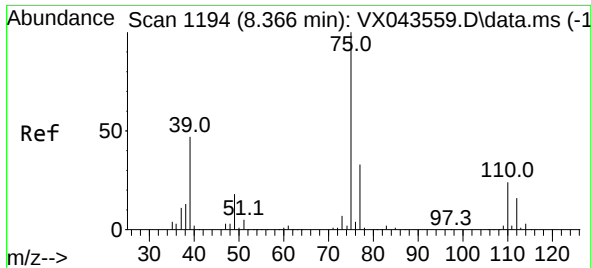
Tgt Ion: 43 Resp: 91936  
Ion Ratio Lower Upper  
43 100  
58 6.6 31.7 47.5#



#53  
t-1,3-Dichloropropene  
Concen: 0.338 ug/l  
RT: 8.958 min Scan# 1291  
Delta R.T. -0.018 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

Tgt Ion: 75 Resp: 883  
Ion Ratio Lower Upper  
75 100  
77 0.0 26.0 39.0#

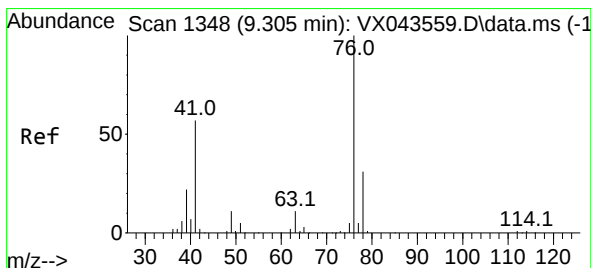
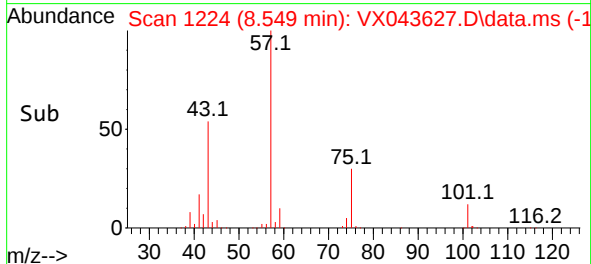
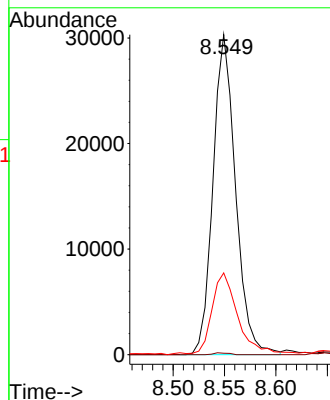
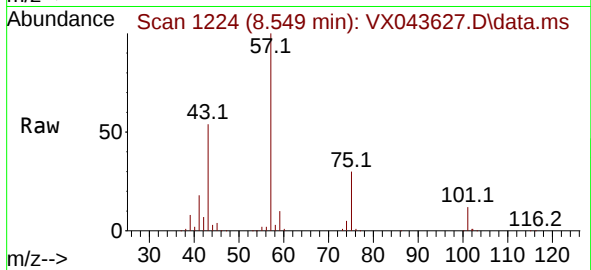




#54  
cis-1,3-Dichloropropene  
Concen: 16.653 ug/l  
RT: 8.549 min Scan# 1194  
Delta R.T. 0.183 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

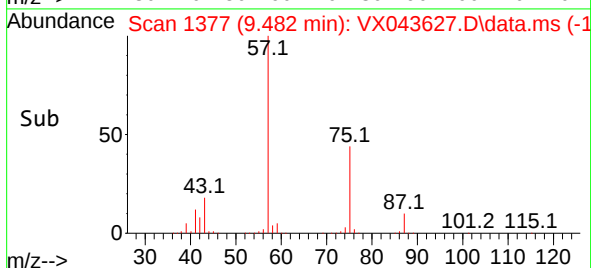
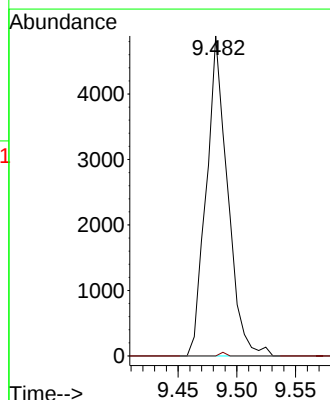
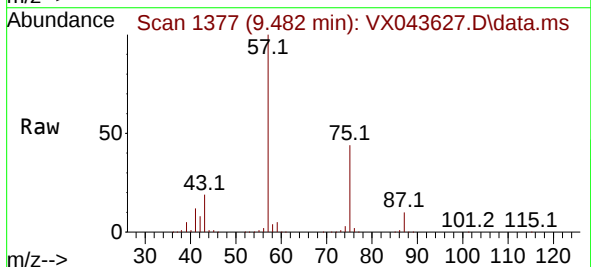
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB164501ZHE#05

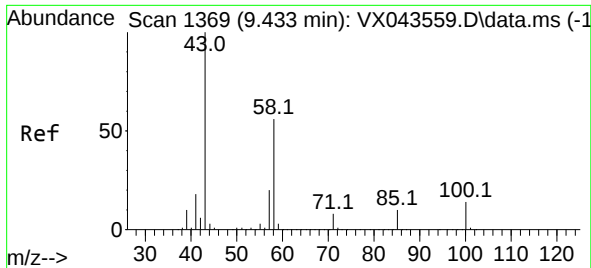
Tgt Ion: 75 Resp: 46330  
Ion Ratio Lower Upper  
75 100  
77 0.4 24.8 37.2#  
39 24.9 37.7 56.5#



#57  
1,3-Dichloropropane  
Concen: 2.010 ug/l  
RT: 9.482 min Scan# 1377  
Delta R.T. 0.177 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

Tgt Ion: 76 Resp: 6169  
Ion Ratio Lower Upper  
76 100  
78 0.3 25.9 38.9#

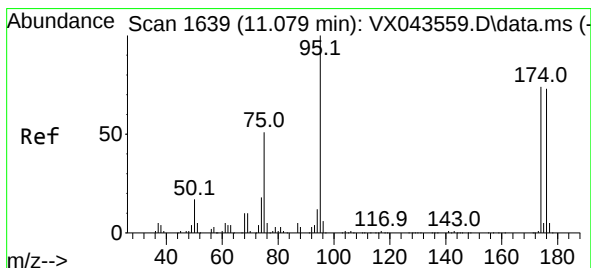
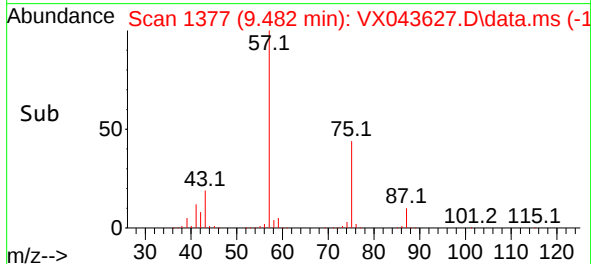
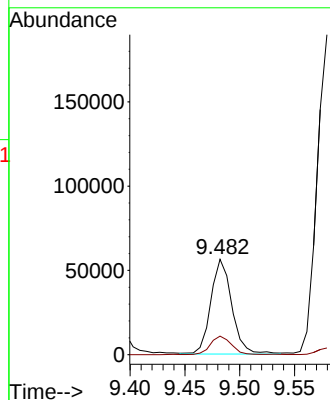
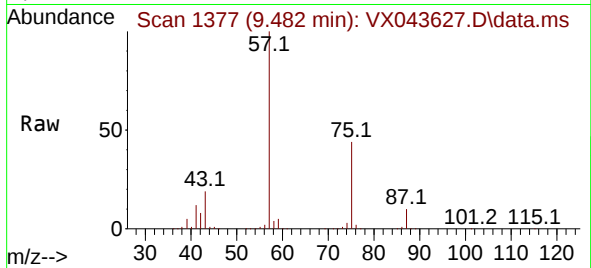




#59  
2-Hexanone  
Concen: 36.981 ug/l  
RT: 9.482 min Scan# 11  
Delta R.T. 0.049 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

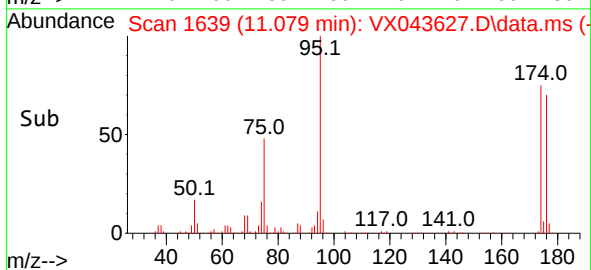
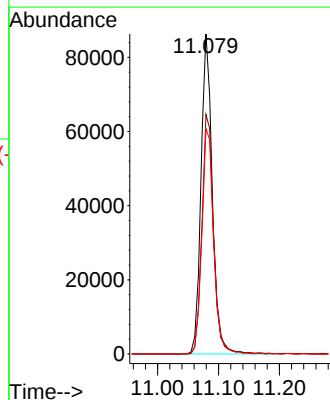
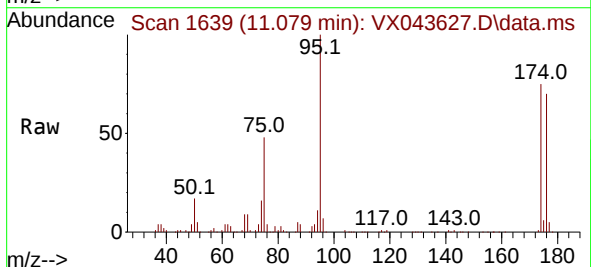
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB164501ZHE#05

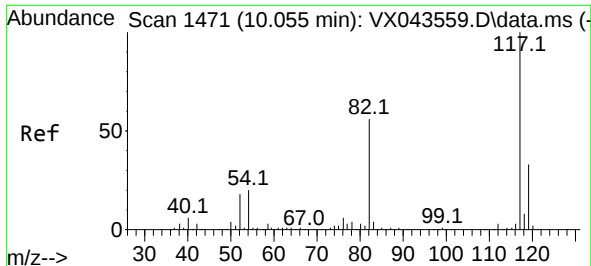
Tgt Ion: 43 Resp: 75308  
Ion Ratio Lower Upper  
43 100  
58 19.8 27.5 82.5#



#62  
4-Bromofluorobenzene  
Concen: 47.006 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

Tgt Ion: 95 Resp: 111414  
Ion Ratio Lower Upper  
95 100  
174 77.5 0.0 146.6  
176 72.9 0.0 139.6

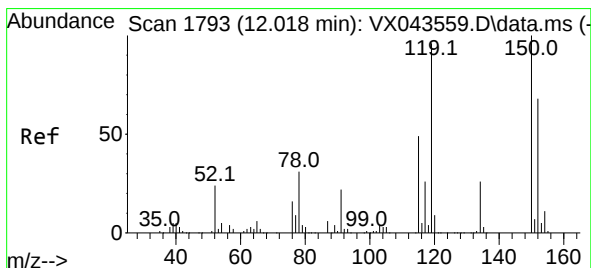
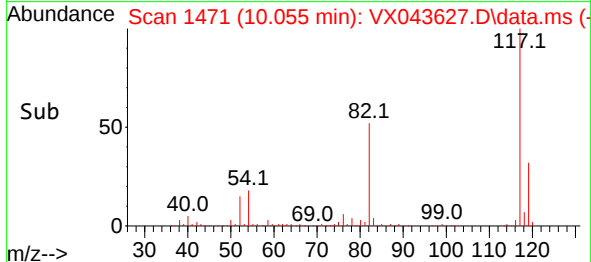
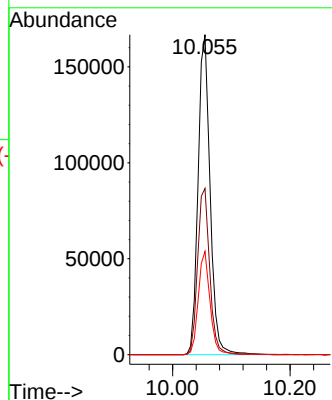
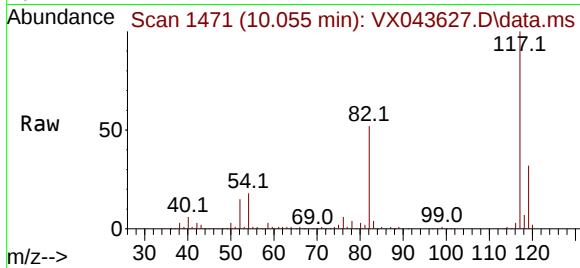




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

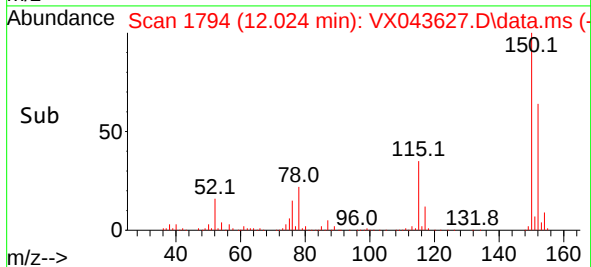
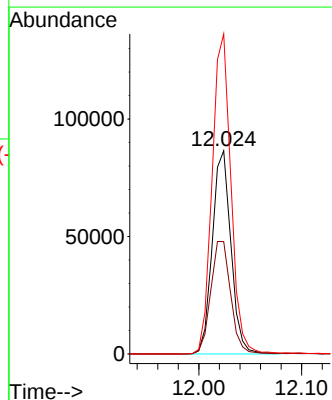
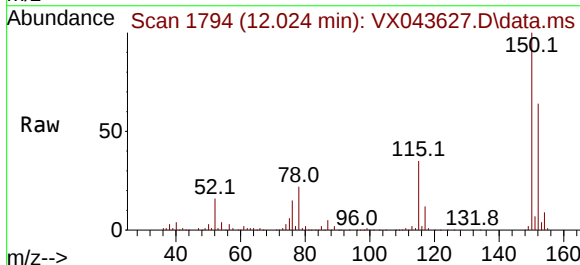
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB164501ZHE#05

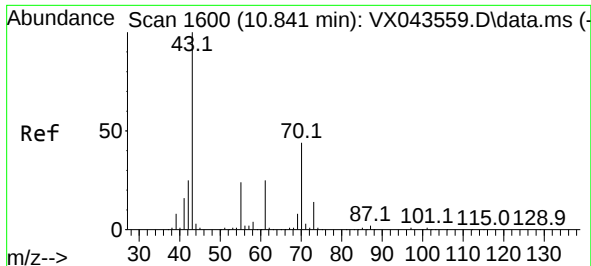
Tgt Ion:117 Resp: 236644  
Ion Ratio Lower Upper  
117 100  
82 51.9 42.1 63.1  
119 32.3 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

Tgt Ion:152 Resp: 108965  
Ion Ratio Lower Upper  
152 100  
115 59.4 42.9 128.7  
150 159.3 0.0 343.6

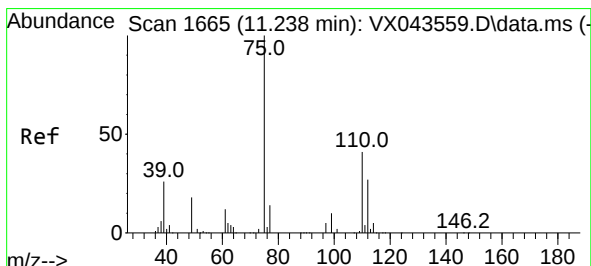
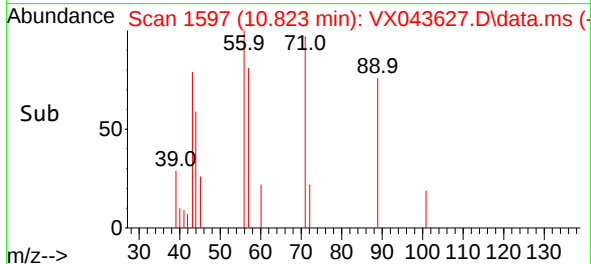
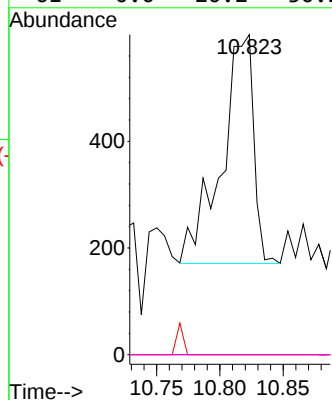
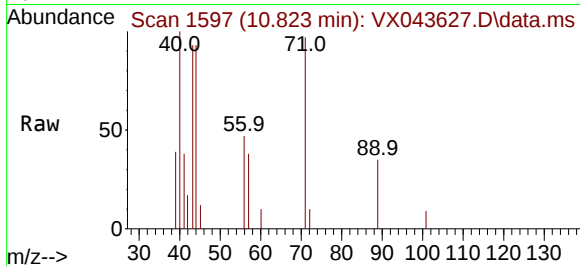




#74  
N-amy1 acetate  
Concen: 0.202 ug/l  
RT: 10.823 min Scan# 1639  
Delta R.T. -0.018 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

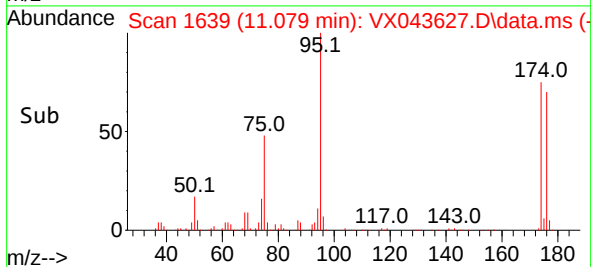
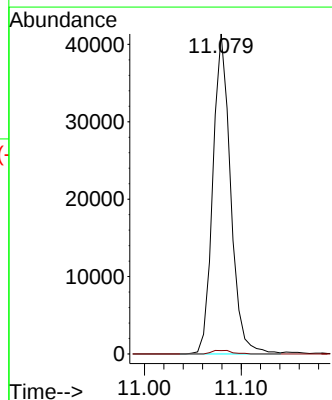
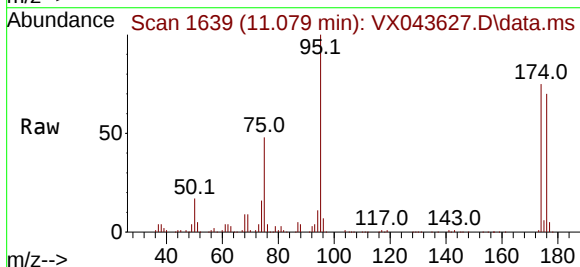
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ClientSampleId :  
PB164501ZHE#05

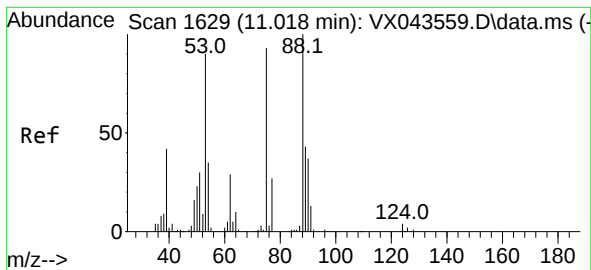
|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 759      |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 70          | 0.0 34.6 52.0# |
| 55          | 0.0 19.6 29.4# |
| 61          | 0.0 20.2 30.2# |



#76  
1,2,3-Trichloropropane  
Concen: 22.637 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX043627.D  
Acq: 30 Oct 2024 16:20

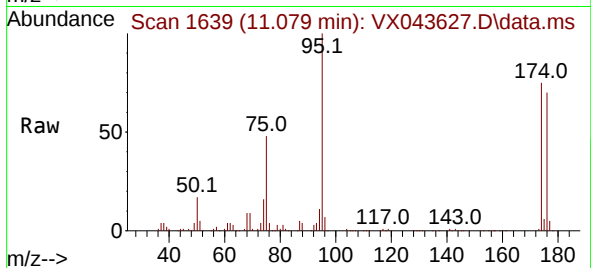
|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 52739    |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 77          | 1.3 22.4 67.2# |





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 62.274 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX043627.D  
 Acq: 30 Oct 2024 16:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB164501ZHE#05



Tgt Ion: 75 Resp: 52739  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 84.6 126.8#  
 89 0.0 38.6 58.0#

