

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062521\  
 Data File : VX022957.D  
 Acq On : 26 Jun 2021 05:47  
 Operator : JC/MD  
 Sample : PB137293ZHE#13  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 50 Sample Multiplier: 1

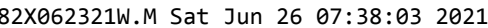
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB137293ZHE#13

Quant Time: Jun 26 07:38:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 19:12:26 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response           | Conc   | Units | Dev(Min) |
|-------------------------------|----------------|------|--------------------|--------|-------|----------|
| -----                         |                |      |                    |        |       |          |
| Internal Standards            |                |      |                    |        |       |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 50367              | 50.00  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 106191             | 50.00  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.061         | 117  | 104996             | 50.00  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 44685              | 50.00  | ug/l  | 0.00     |
| System Monitoring Compounds   |                |      |                    |        |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 48434              | 52.99  | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 105.98% |        |       |          |
| 35) Dibromofluoromethane      | 5.397          | 113  | 33727              | 50.01  | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 100.02% |        |       |          |
| 50) Toluene-d8                | 8.653          | 98   | 137227             | 51.92  | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 103.84% |        |       |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 51683              | 52.40  | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 104.80% |        |       |          |
| Target Compounds              |                |      |                    |        |       |          |
|                               |                |      |                    |        |       | Qvalue   |
| 11) Tert butyl alcohol        | 2.946          | 59   | 128                | 0.67   | ug/l  | # 73     |
| 16) Acetone                   | 2.392          | 43   | 5758               | 14.21  | ug/l  | 90       |
| 18) Methyl Acetate            | 2.715          | 43   | 662                | 0.66   | ug/l  | # 47     |
| 20) Methylene Chloride        | 2.794          | 84   | 4502               | 5.93   | ug/l  | # 82     |
| 25) 2-Butanone                | 4.580          | 43   | 1241               | 1.97   | ug/l  | # 45     |
| 31) Cyclohexane               | 5.568          | 56   | 1528               | 1.18   | ug/l  | # 42     |
| 36) 1,1-Dichloropropene       | 5.562          | 75   | 5354               | 4.75   | ug/l  | # 47     |
| 38) Carbon Tetrachloride      | 5.568          | 117  | 5973               | 6.31   | ug/l  | # 16     |
| 43) Isopropyl Acetate         | 6.348          | 43   | 10446              | 4.97   | ug/l  | # 89     |
| 48) Methyl methacrylate       | 7.604          | 41   | 3024               | 3.11   | ug/l  | # 10     |
| 49) 1,4-Dioxane               | 7.805          | 88   | 89                 | 4.25   | ug/l  | # 1      |
| 51) 4-Methyl-2-Pentanone      | 8.555          | 43   | 38556              | 29.49  | ug/l  | # 45     |
| 53) t-1,3-Dichloropropene     | 8.909          | 75   | 20                 | 3.68   | ug/l  | # 44     |
| 54) cis-1,3-Dichloropropene   | 8.555          | 75   | 16659              | 13.66  | ug/l  | # 67     |
| 56) Ethyl methacrylate        | 9.256          | 69   | 170                | 2.69   | ug/l  | # 1      |
| 57) 1,3-Dichloropropane       | 9.488          | 76   | 9944               | 6.93   | ug/l  | # 42     |
| 59) 2-Hexanone                | 9.488          | 43   | 146985             | 148.20 | ug/l  | # 43     |
| 74) N-amyl acetate            | 10.829         | 43   | 210                | 2.15   | ug/l  | # 45     |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 29310              | 24.83  | ug/l  | # 38     |
| 80) 1,3,5-Trimethylbenzene    | 11.457         | 105  | 804                | 0.26   | ug/l  | 93       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 29310              | 64.85  | ug/l  | # 12     |
| 95) Naphthalene               | 13.780         | 128  | 53                 | 1.94   | ug/l  | # 69     |
| -----                         |                |      |                    |        |       |          |

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

Quant Time: Jun 26 07:38:00 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 23 19:12:26 2021  
Response via : Initial Calibration

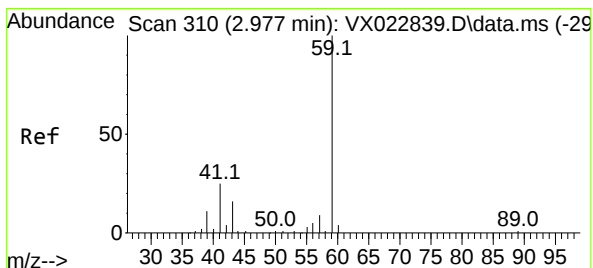
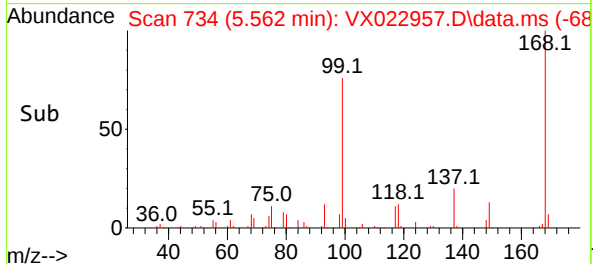
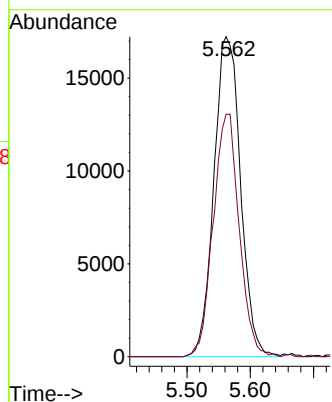
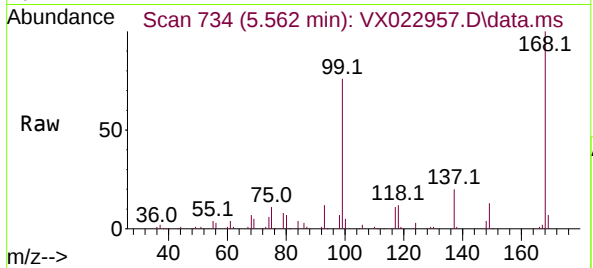




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.006 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

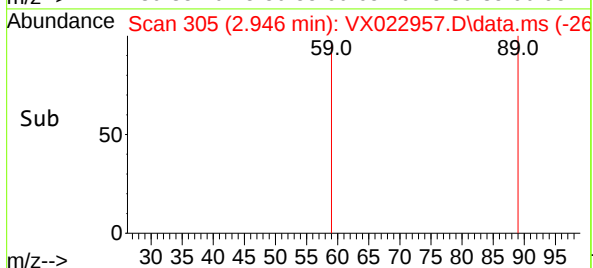
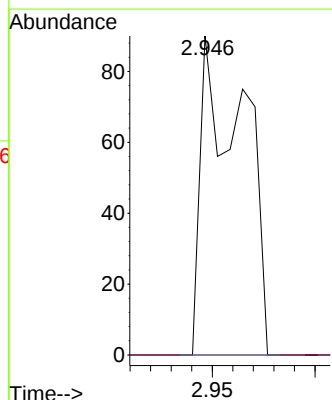
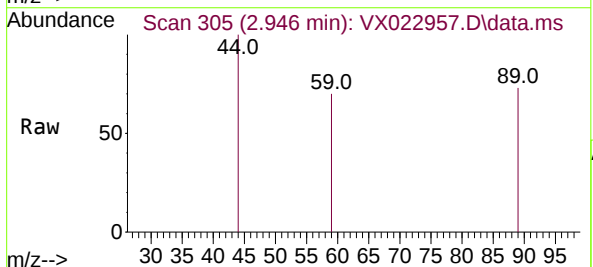
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB137293ZHE#13

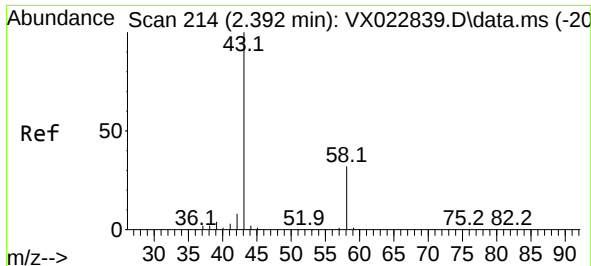
Tgt Ion:168 Resp: 50367  
Ion Ratio Lower Upper  
168 100  
99 75.8 45.8 68.6#



#11  
Tert butyl alcohol  
Concen: 0.67 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. -0.031 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

Tgt Ion: 59 Resp: 128  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

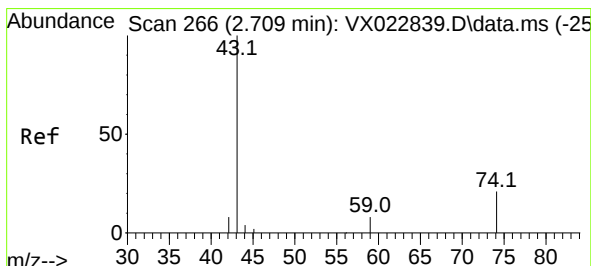
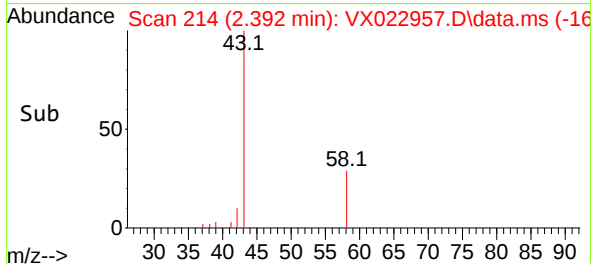
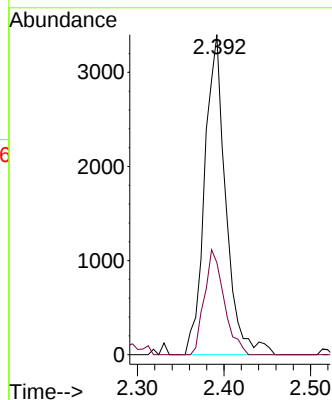
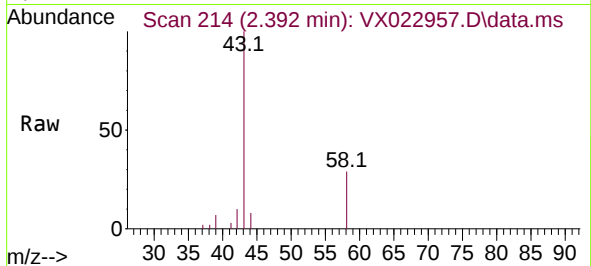




#16  
Acetone  
Concen: 14.21 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

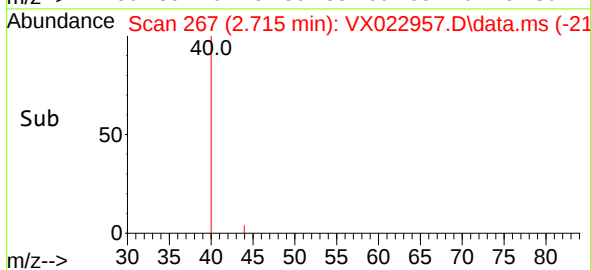
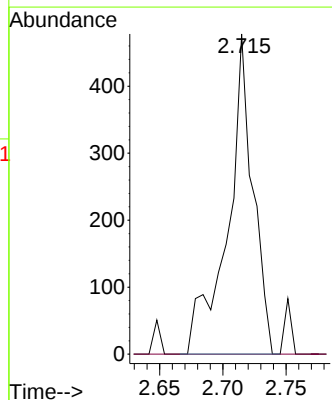
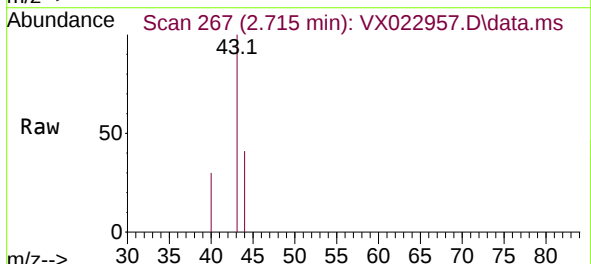
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB137293ZHE#13

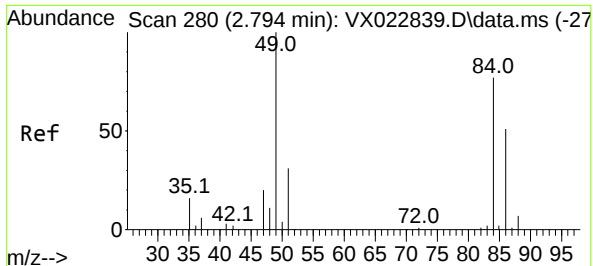
Tgt Ion: 43 Resp: 5758  
Ion Ratio Lower Upper  
43 100  
58 28.8 27.8 41.8



#18  
Methyl Acetate  
Concen: 0.66 ug/l  
RT: 2.715 min Scan# 267  
Delta R.T. 0.006 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

Tgt Ion: 43 Resp: 662  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 5.93 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022957.D

Acq: 26 Jun 2021 05:47

Tgt Ion: 84 Resp: 4502

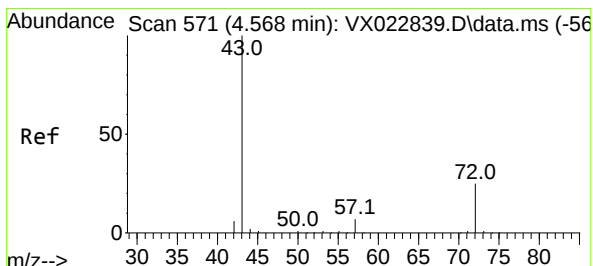
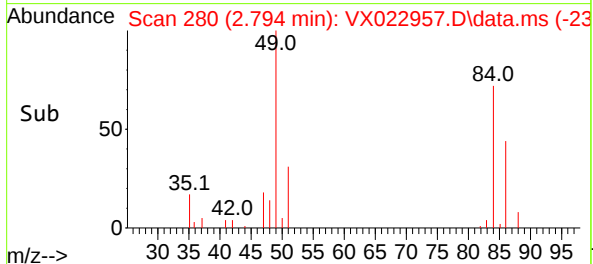
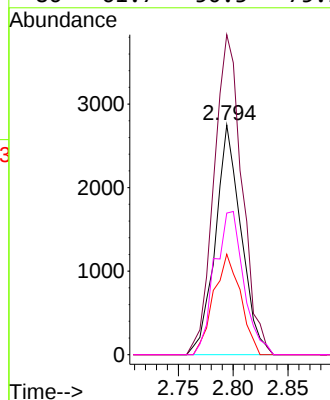
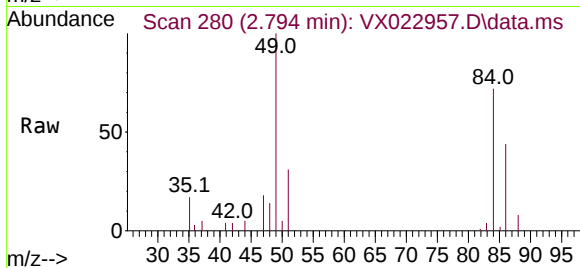
Ion Ratio Lower Upper

84 100

49 139.3 88.6 132.8#

51 43.7 27.0 40.6#

86 61.7 50.3 75.5



#25

2-Butanone

Concen: 1.97 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX022957.D

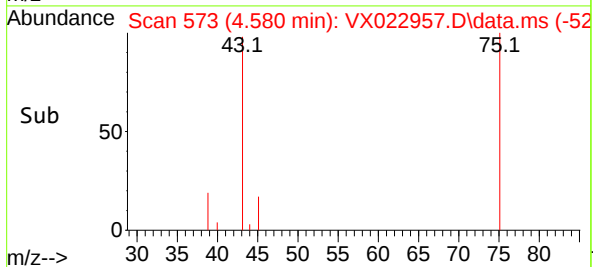
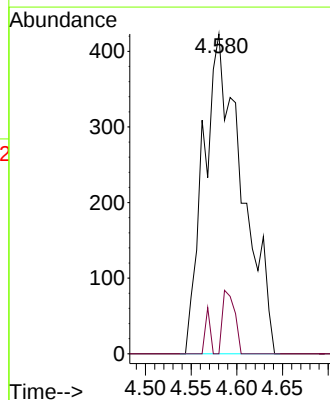
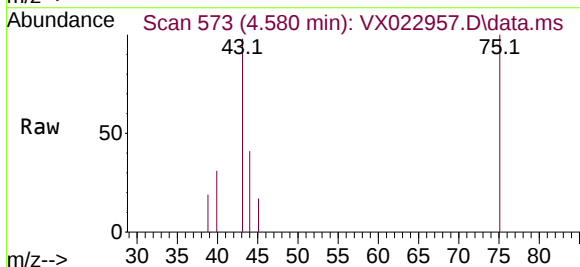
Acq: 26 Jun 2021 05:47

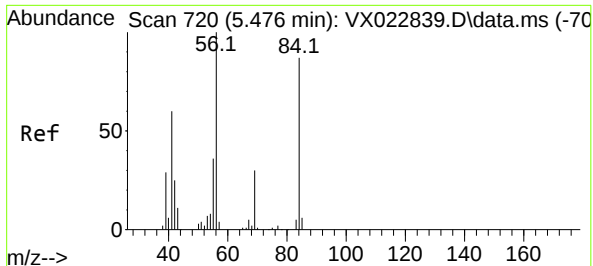
Tgt Ion: 43 Resp: 1241

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#

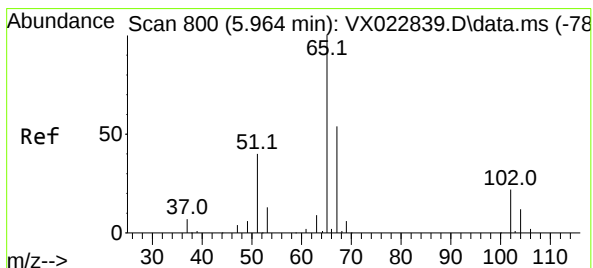
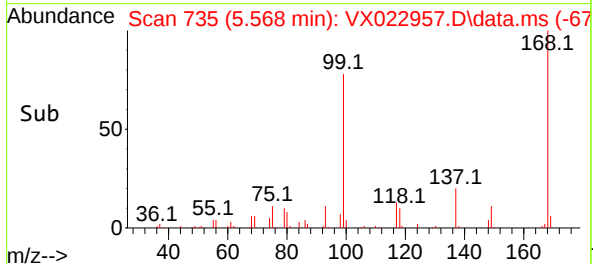
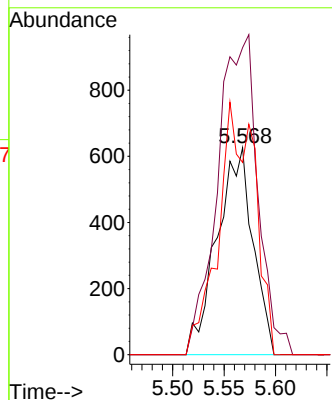
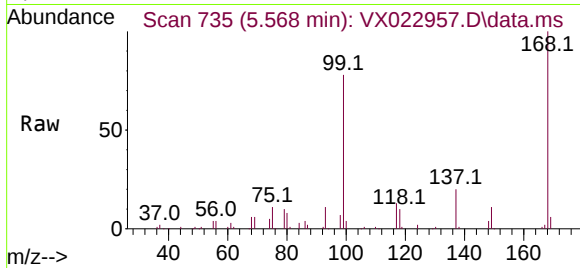




#31  
Cyclohexane  
Concen: 1.18 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. 0.092 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

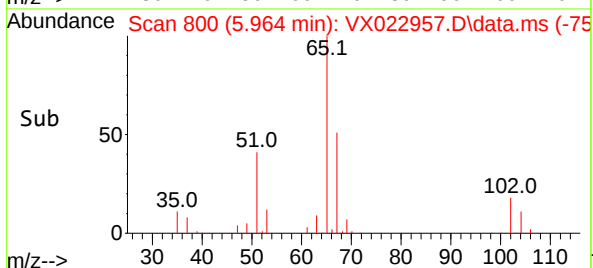
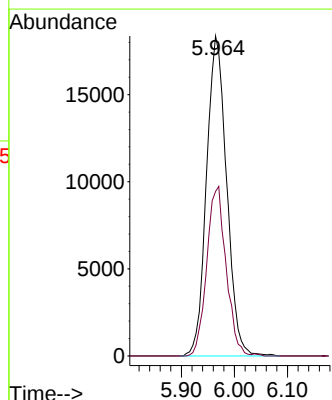
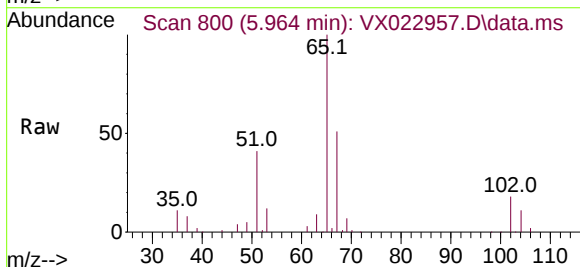
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB137293ZHE#13

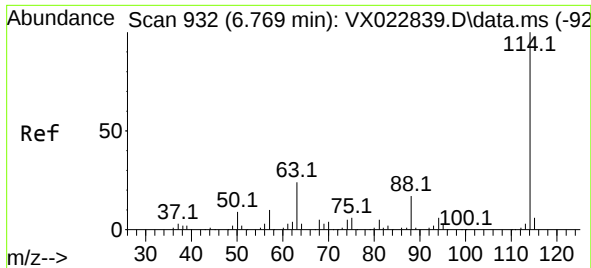
Tgt Ion: 56 Resp: 1528  
Ion Ratio Lower Upper  
56 100  
69 148.4 25.3 37.9#  
84 93.0 71.4 107.0



#33  
1,2-Dichloroethane-d4  
Concen: 52.99 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

Tgt Ion: 65 Resp: 48434  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 105.4

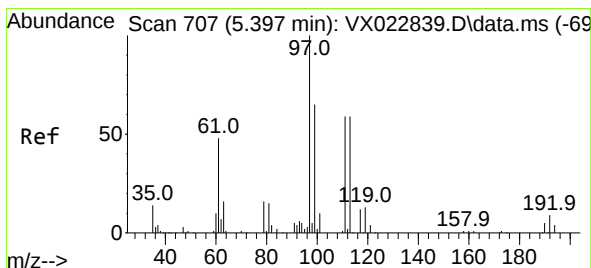
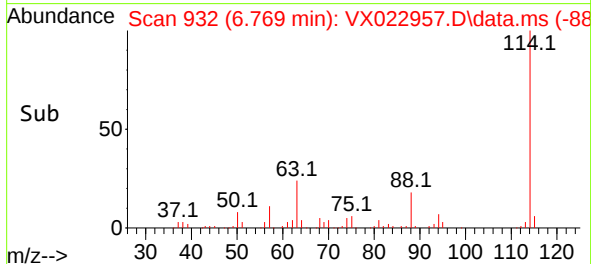
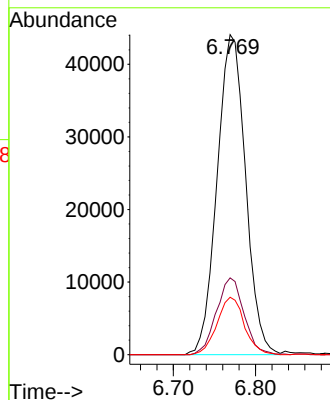
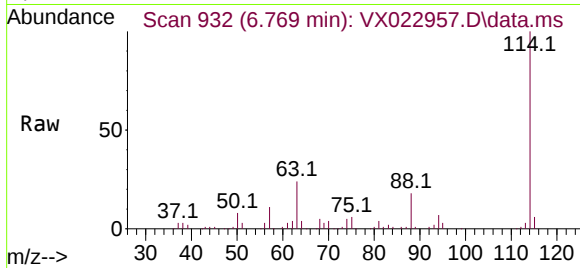




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

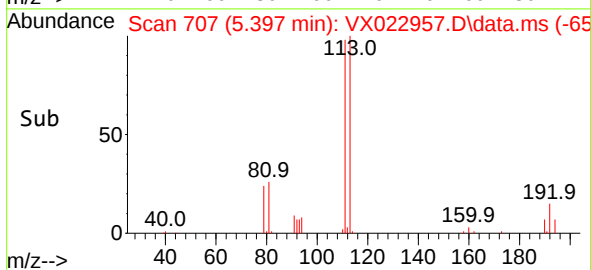
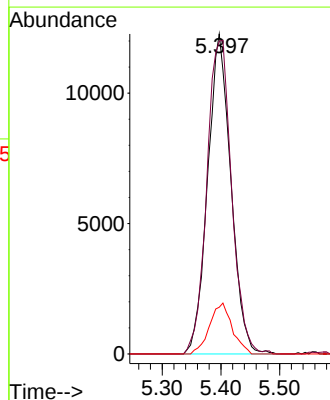
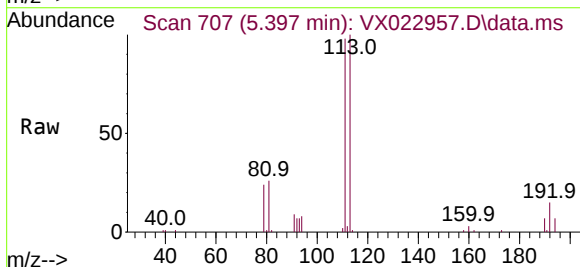
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB137293ZHE#13

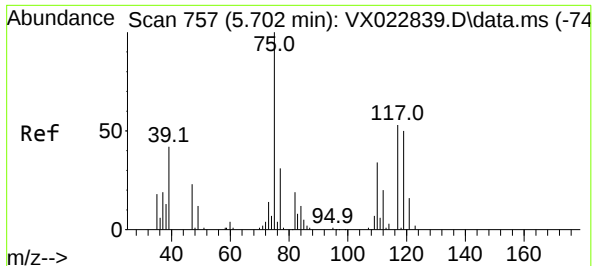
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 106191 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 24.0  | 0.0   | 40.8   |
| 88        | 17.9  | 0.0   | 32.8   |



#35  
Dibromofluoromethane  
Concen: 50.01 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 33727 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 104.7 | 81.9  | 122.9 |
| 192       | 15.5  | 16.7  | 25.1# |





#36

1,1-Dichloropropene

Concen: 4.75 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022957.D

Acq: 26 Jun 2021 05:47

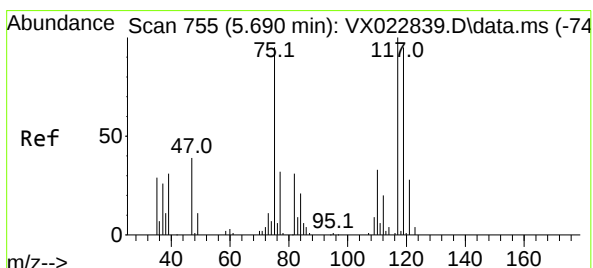
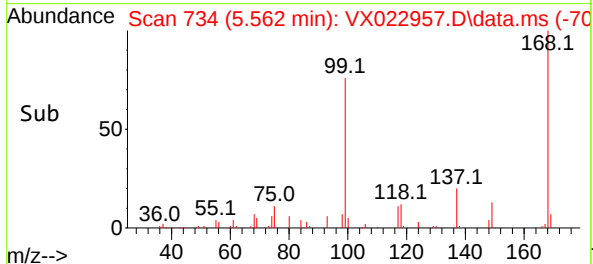
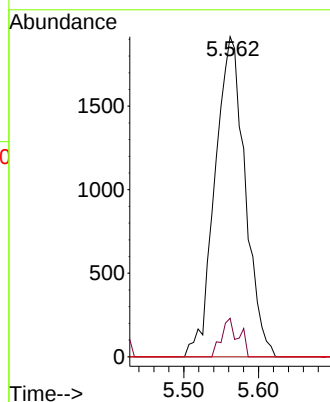
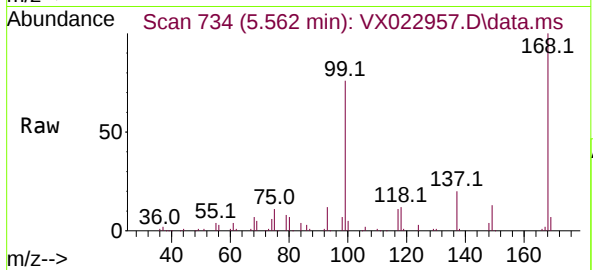
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 5354  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 6.8   | 18.1  | 54.4# |
| 77       | 0.0   | 25.3  | 37.9# |

Instrument :

MSVOA\_X

ClientSampleId :

PB137293ZHE#13



#38

Carbon Tetrachloride

Concen: 6.31 ug/l

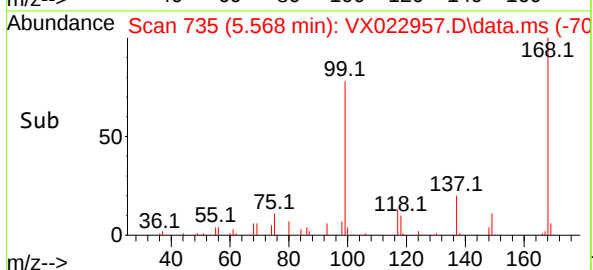
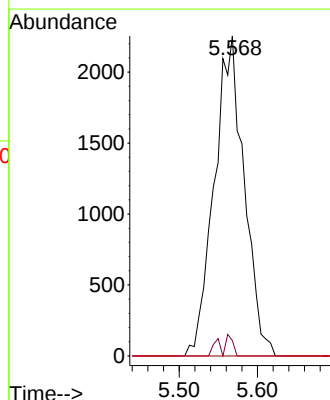
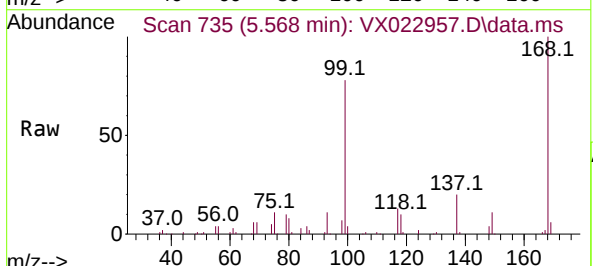
RT: 5.568 min Scan# 735

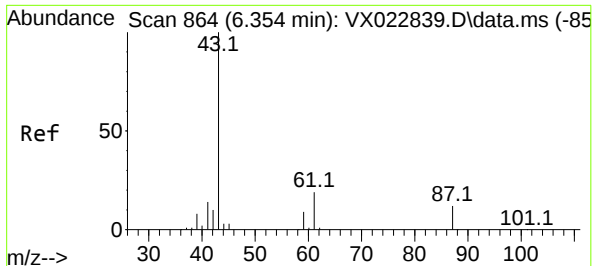
Delta R.T. -0.122 min

Lab File: VX022957.D

Acq: 26 Jun 2021 05:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 5973   |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.8   | 76.2  | 114.2# |
| 121      | 0.0   | 24.8  | 37.2#  |

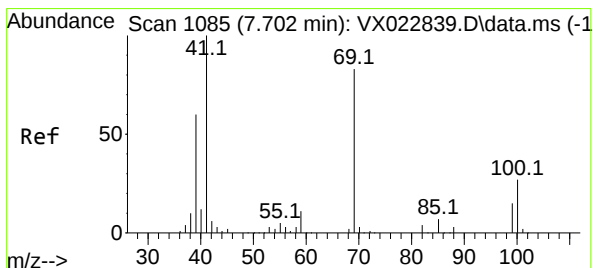
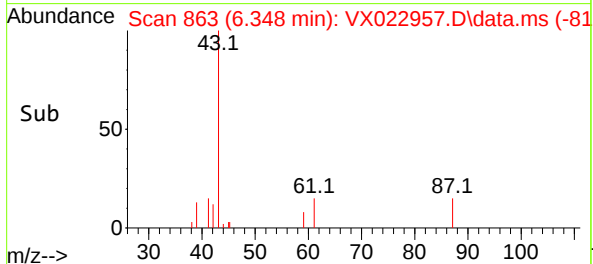
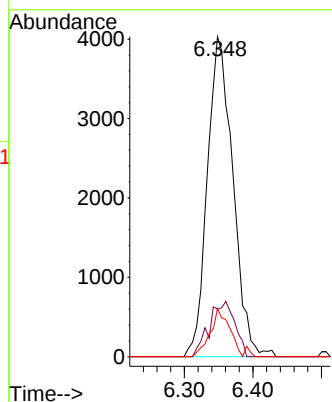
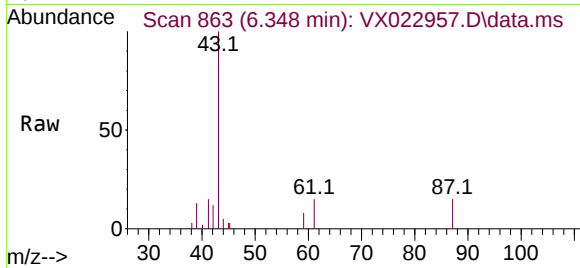




#43  
Isopropyl Acetate  
Concen: 4.97 ug/l  
RT: 6.348 min Scan# 863  
Delta R.T. -0.006 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

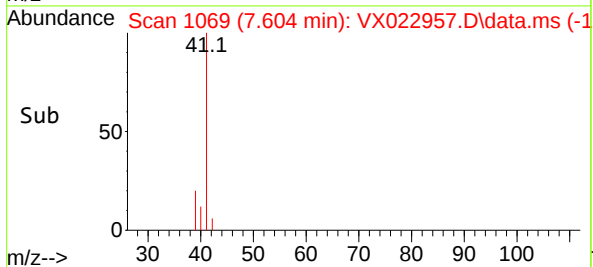
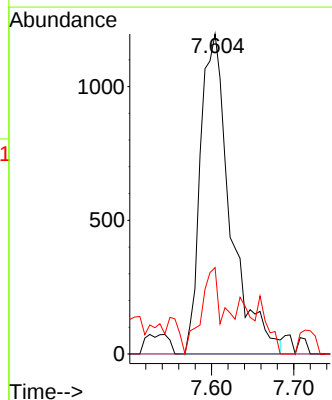
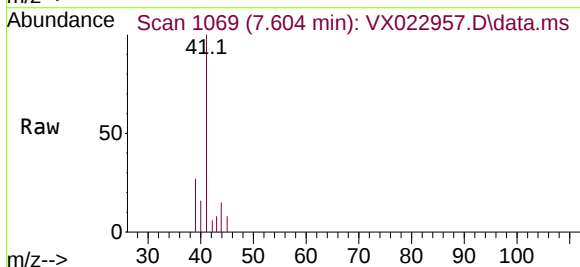
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB137293ZHE#13

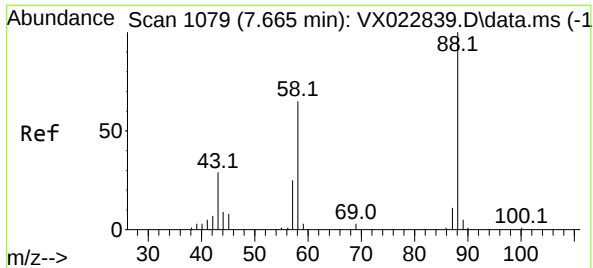
Tgt Ion: 43 Resp: 10446  
Ion Ratio Lower Upper  
43 100  
61 17.3 18.2 27.4#  
87 11.2 12.5 18.7#



#48  
Methyl methacrylate  
Concen: 3.11 ug/l  
RT: 7.604 min Scan# 1069  
Delta R.T. -0.098 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

Tgt Ion: 41 Resp: 3024  
Ion Ratio Lower Upper  
41 100  
69 0.0 76.0 114.0#  
39 0.0 44.6 67.0#

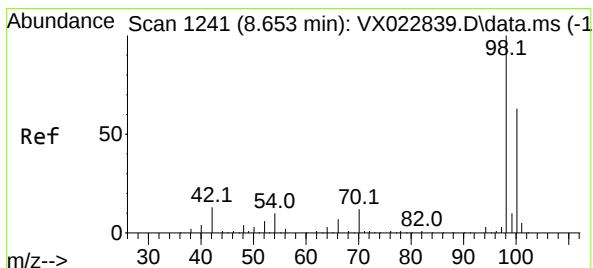
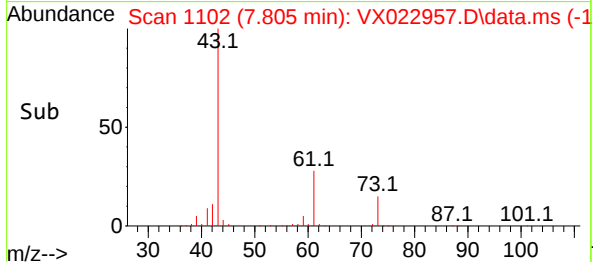
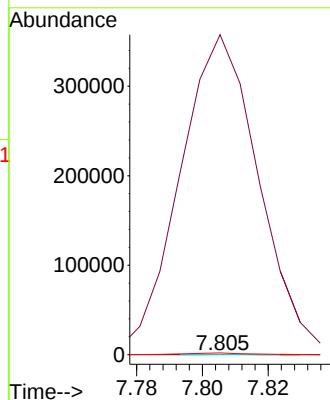
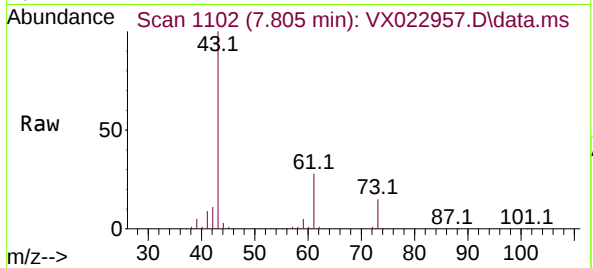




#49  
1,4-Dioxane  
Concen: 4.25 ug/l  
RT: 7.805 min Scan# 1102  
Delta R.T. 0.140 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

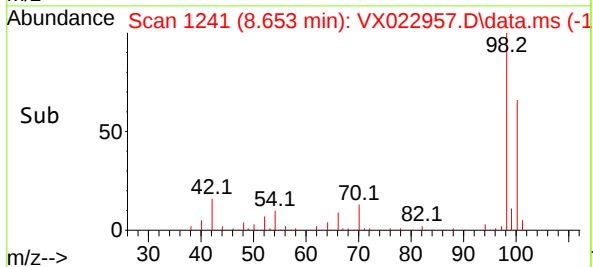
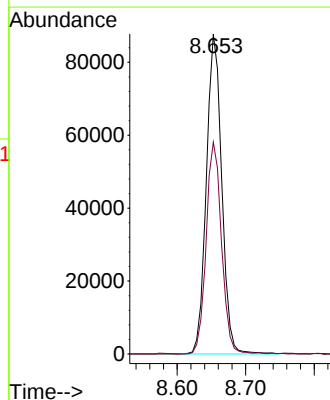
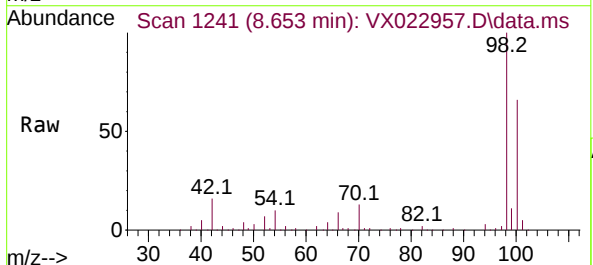
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB137293ZHE#13

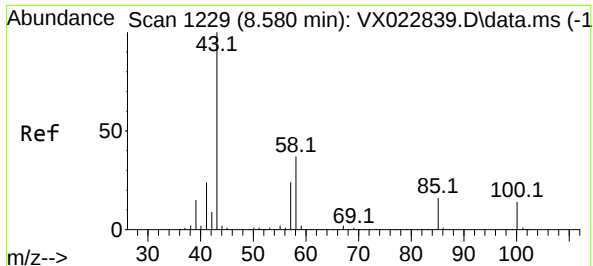
Tgt Ion: 88 Resp: 89  
Ion Ratio Lower Upper  
88 100  
43 682033.7 23.2 34.8#  
58 3092.1 55.0 82.4#



#50  
Toluene-d8  
Concen: 51.92 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

Tgt Ion: 98 Resp: 137227  
Ion Ratio Lower Upper  
98 100  
100 66.1 51.9 77.9

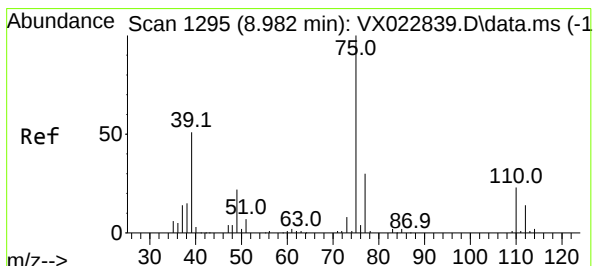
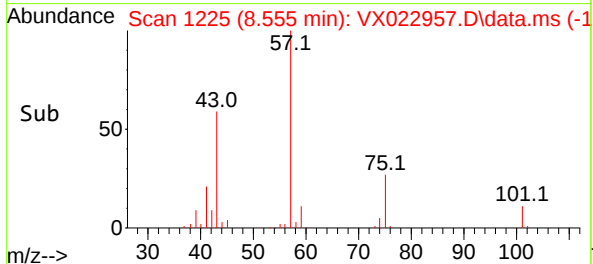
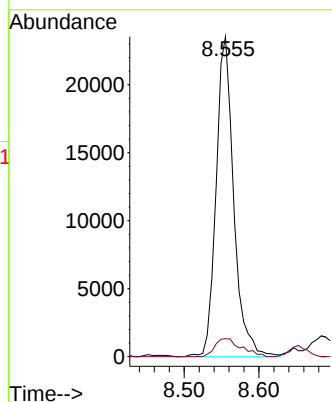
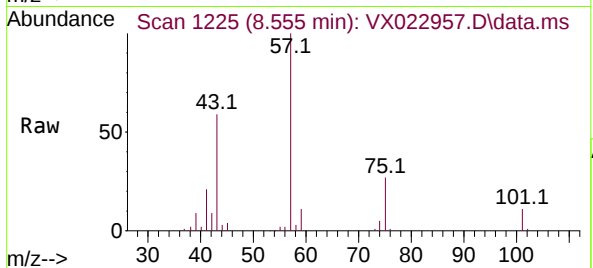




#51  
4-Methyl-2-Pentanone  
Concen: 29.49 ug/l  
RT: 8.555 min Scan# 1225  
Delta R.T. -0.025 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

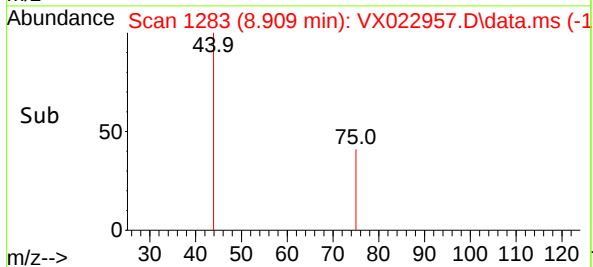
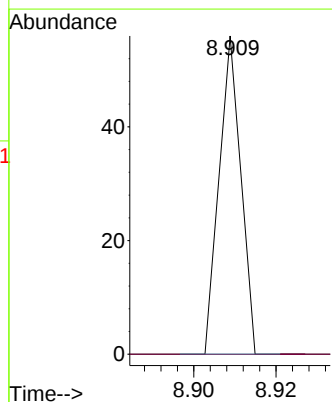
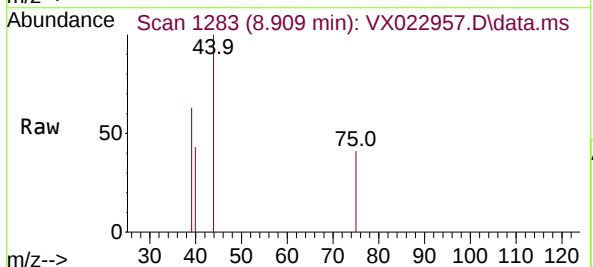
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB137293ZHE#13

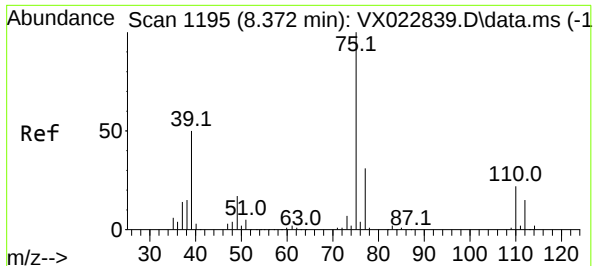
Tgt Ion: 43 Resp: 38556  
Ion Ratio Lower Upper  
43 100  
58 8.4 35.4 53.0#



#53  
t-1,3-Dichloropropene  
Concen: 3.68 ug/l  
RT: 8.909 min Scan# 1283  
Delta R.T. -0.073 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

Tgt Ion: 75 Resp: 20  
Ion Ratio Lower Upper  
75 100  
77 0.0 24.9 37.3#

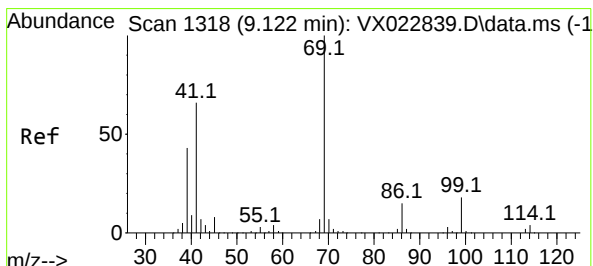
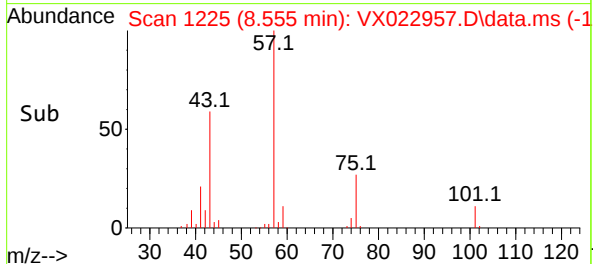
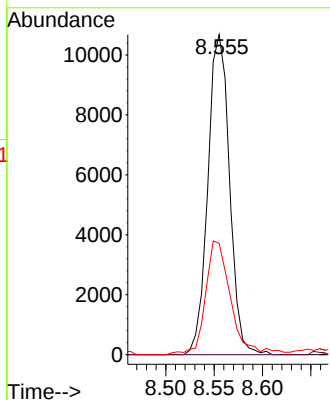
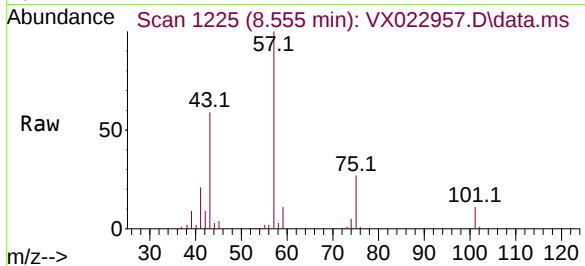




#54  
cis-1,3-Dichloropropene  
Concen: 13.66 ug/l  
RT: 8.555 min Scan# 1225  
Delta R.T. 0.183 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

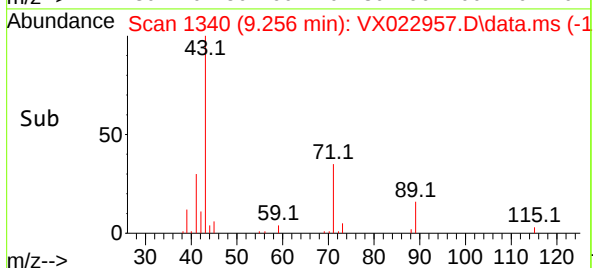
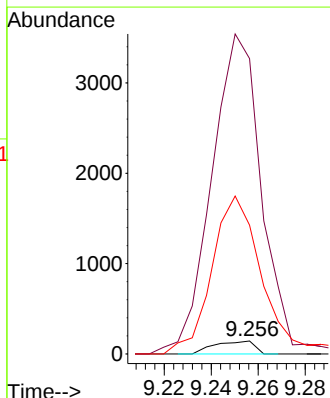
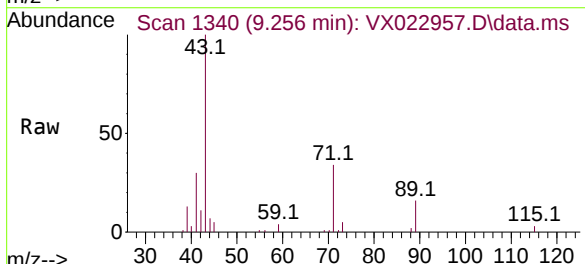
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB137293ZHE#13

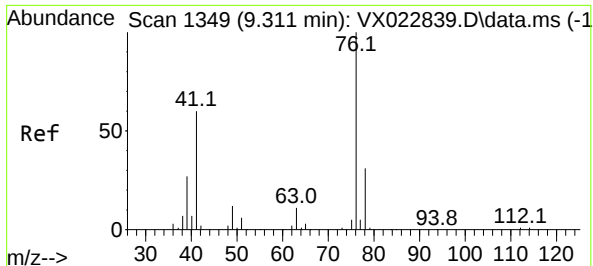
Tgt Ion: 75 Resp: 16659  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.7 38.5#  
39 33.9 35.1 52.7#



#56  
Ethyl methacrylate  
Concen: 2.69 ug/l  
RT: 9.256 min Scan# 1340  
Delta R.T. 0.134 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

Tgt Ion: 69 Resp: 170  
Ion Ratio Lower Upper  
69 100  
41 3085.9 46.8 70.2#  
39 1534.7 24.7 37.1#



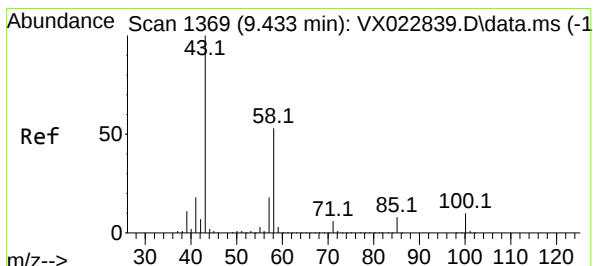
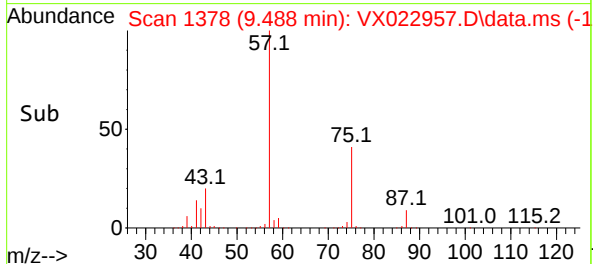
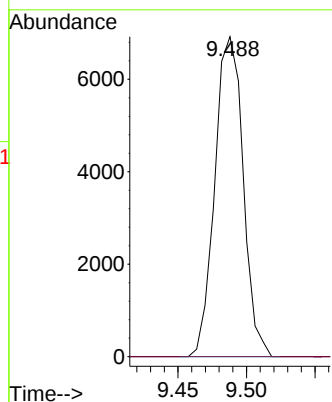
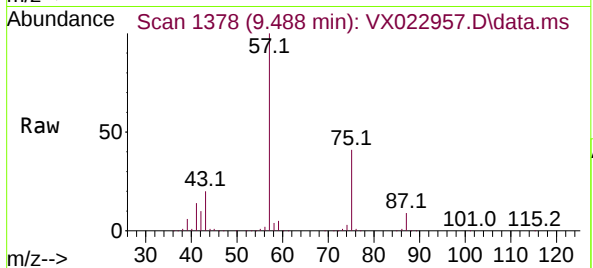


#57

1,3-Dichloropropane  
Concen: 6.93 ug/l  
RT: 9.488 min Scan# 1378  
Delta R.T. 0.177 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB137293ZHE#13

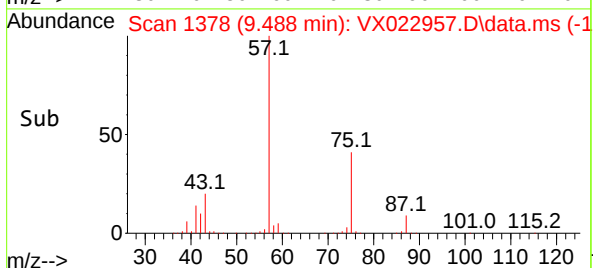
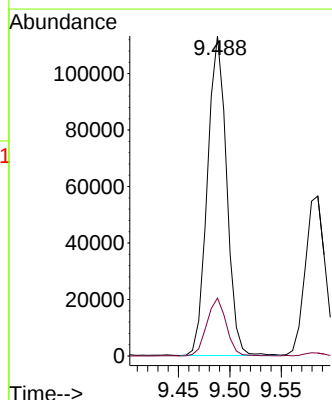
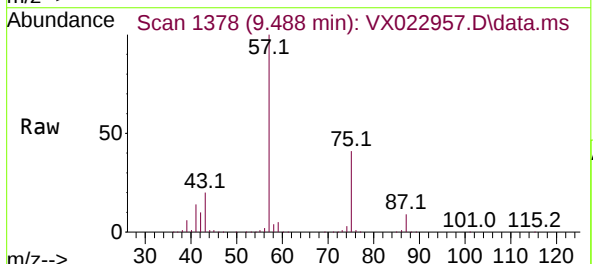
Tgt Ion: 76 Resp: 9944  
Ion Ratio Lower Upper  
76 100  
78 0.0 26.2 39.2#

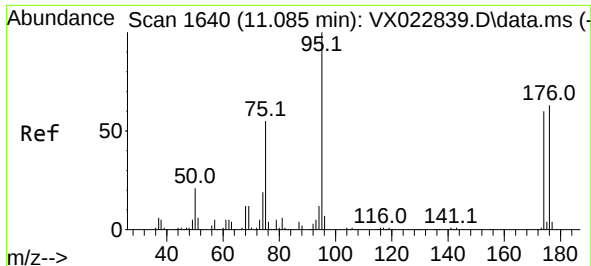


#59

2-Hexanone  
Concen: 148.20 ug/l  
RT: 9.488 min Scan# 1378  
Delta R.T. 0.055 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

Tgt Ion: 43 Resp: 146985  
Ion Ratio Lower Upper  
43 100  
58 18.3 30.9 92.8#

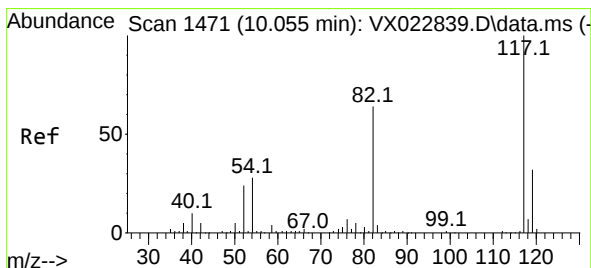
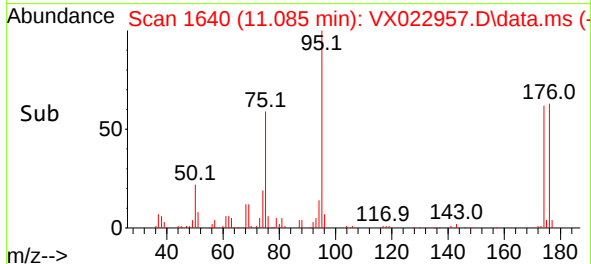
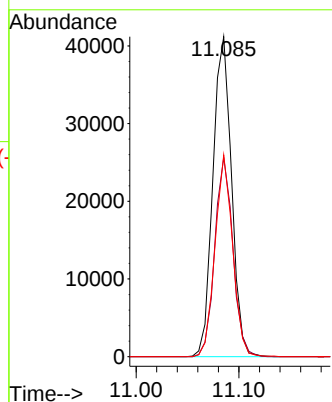
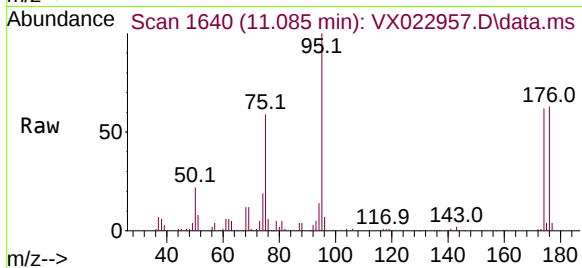




#62  
4-Bromofluorobenzene  
Concen: 52.40 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

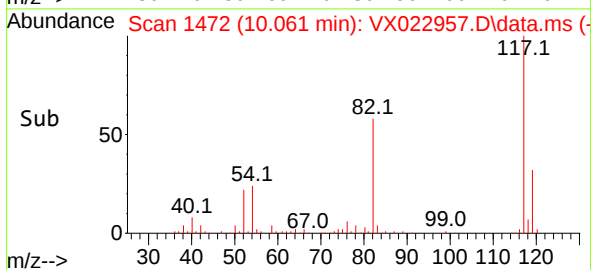
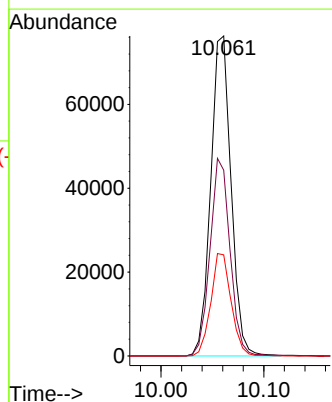
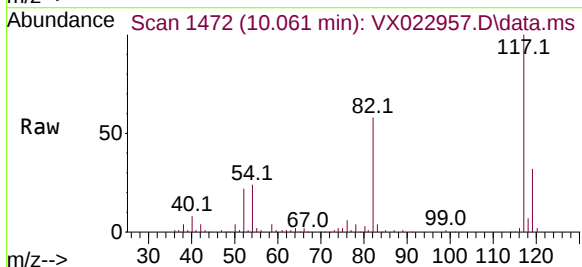
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB137293ZHE#13

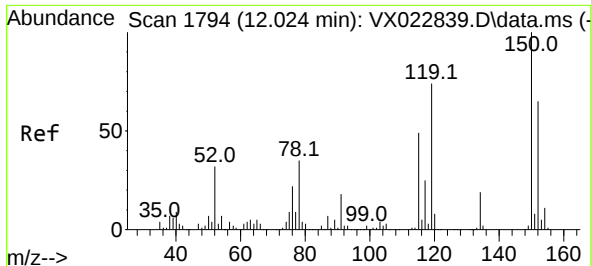
Tgt Ion: 95 Resp: 51683  
Ion Ratio Lower Upper  
95 100  
174 60.5 0.0 154.6  
176 59.7 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.006 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

Tgt Ion: 117 Resp: 104996  
Ion Ratio Lower Upper  
117 100  
82 58.0 47.4 71.2  
119 31.6 26.6 39.8

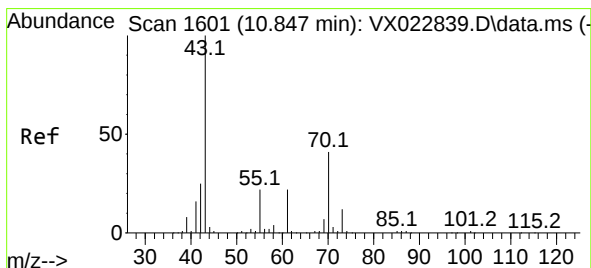
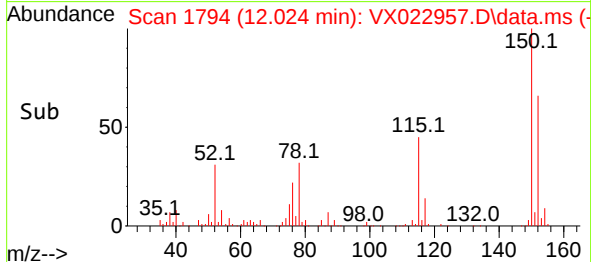
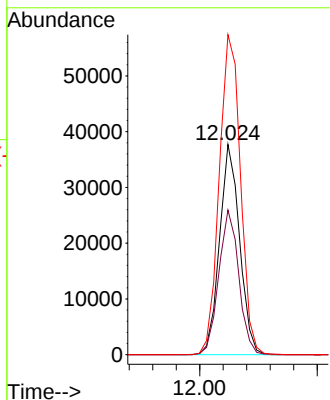
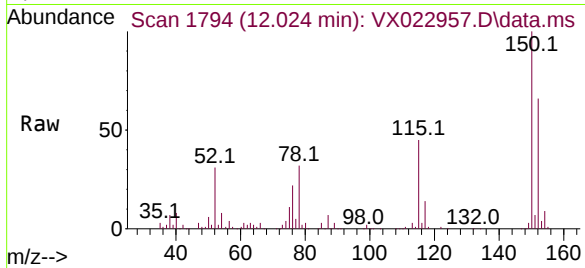




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

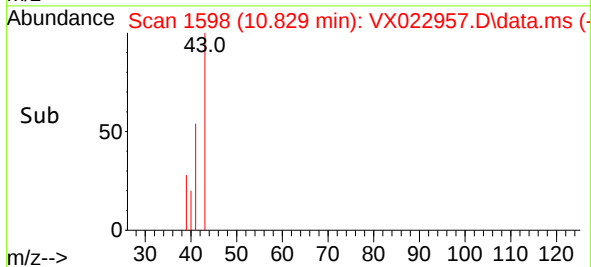
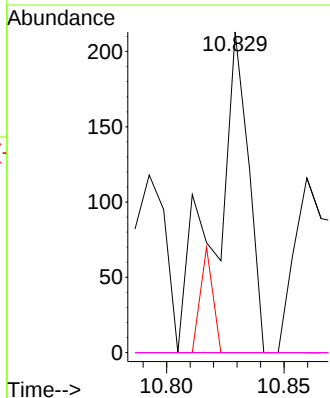
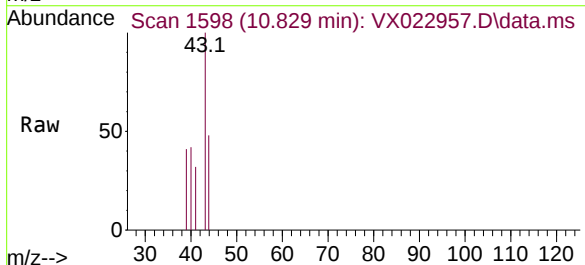
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB137293ZHE#13

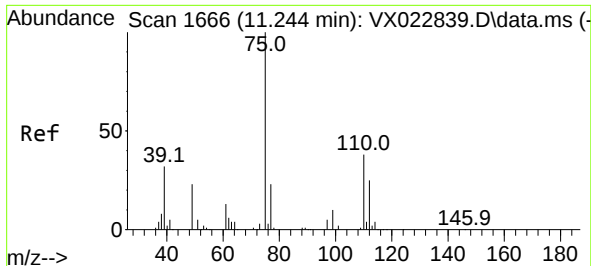
Tgt Ion:152 Resp: 44685  
Ion Ratio Lower Upper  
152 100  
115 68.8 41.1 123.3  
150 160.9 0.0 349.0



#74  
N-amy1 acetate  
Concen: 2.15 ug/l  
RT: 10.829 min Scan# 1598  
Delta R.T. -0.018 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

Tgt Ion: 43 Resp: 210  
Ion Ratio Lower Upper  
43 100  
70 0.0 39.0 58.6#  
55 12.4 21.5 32.3#  
61 0.0 22.1 33.1#

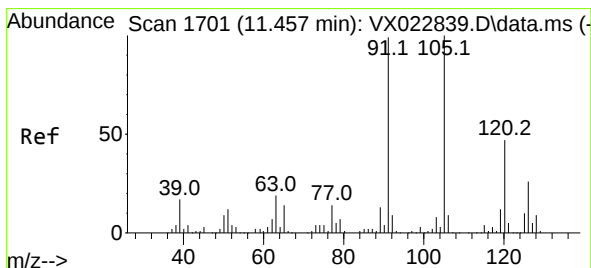
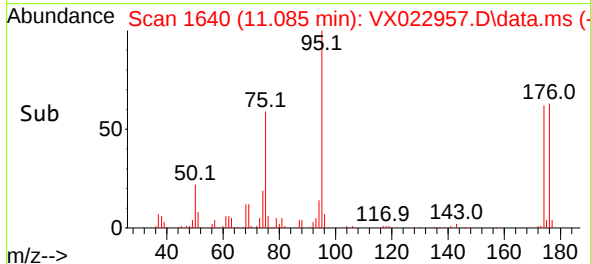
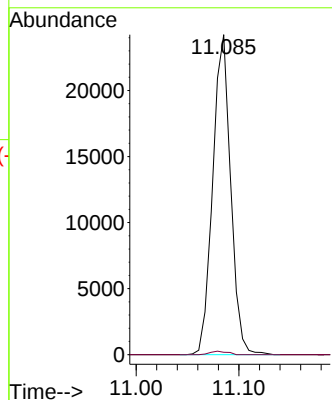
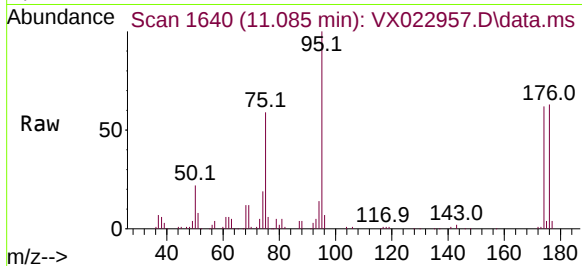




#76  
1,2,3-Trichloropropane  
Concen: 24.83 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

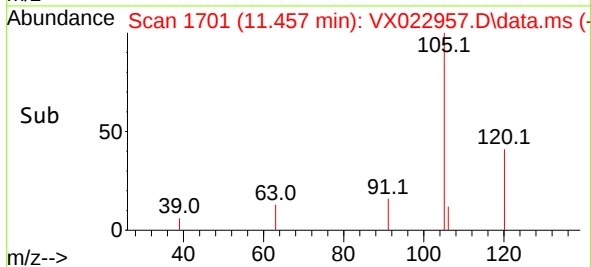
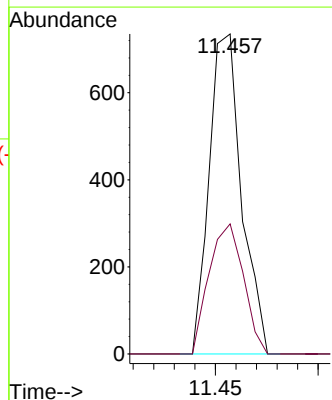
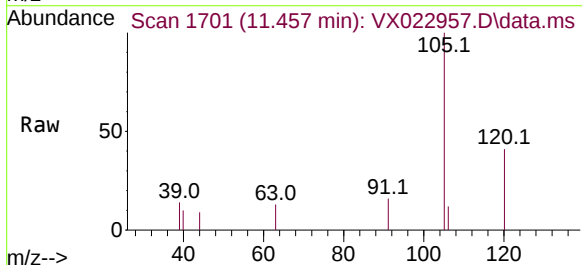
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB137293ZHE#13

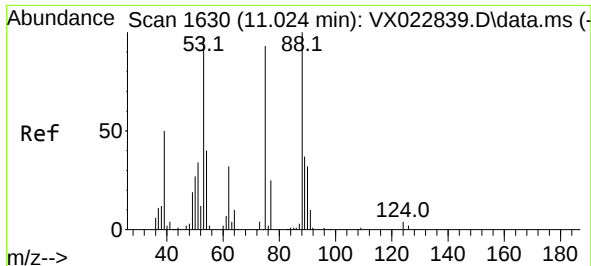
Tgt Ion: 75 Resp: 29310  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.1 57.5#



#80  
1,3,5-Trimethylbenzene  
Concen: 0.26 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

Tgt Ion: 105 Resp: 804  
Ion Ratio Lower Upper  
105 100  
120 43.3 23.8 71.5

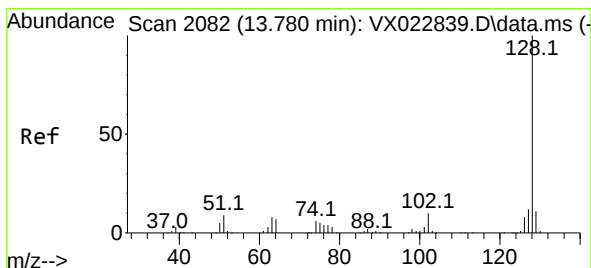
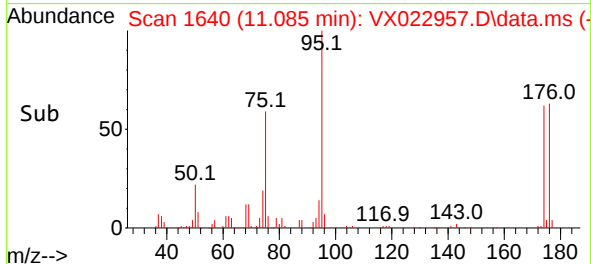
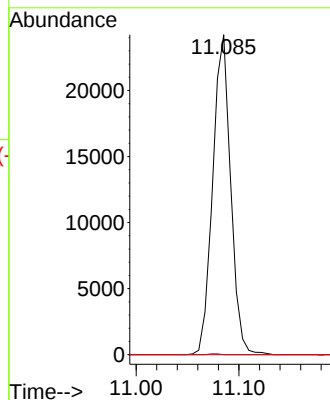
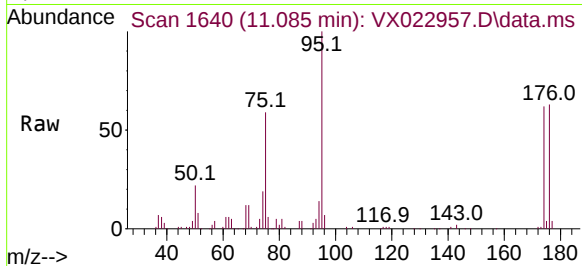




#81  
trans-1,4-Dichloro-2-butene  
Concen: 64.85 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB137293ZHE#13

Tgt Ion: 75 Resp: 29310  
Ion Ratio Lower Upper  
75 100  
53 0.1 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 1.94 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX022957.D  
Acq: 26 Jun 2021 05:47

Tgt Ion: 128 Resp: 53  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

