

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091725\  
 Data File : VX047621.D  
 Acq On : 17 Sep 2025 16:13  
 Operator : JC/MD  
 Sample : Q3095-18  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE126D2-20250909

Quant Time: Sep 22 03:09:39 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 17 06:39:58 2025  
 Response via : Initial Calibration

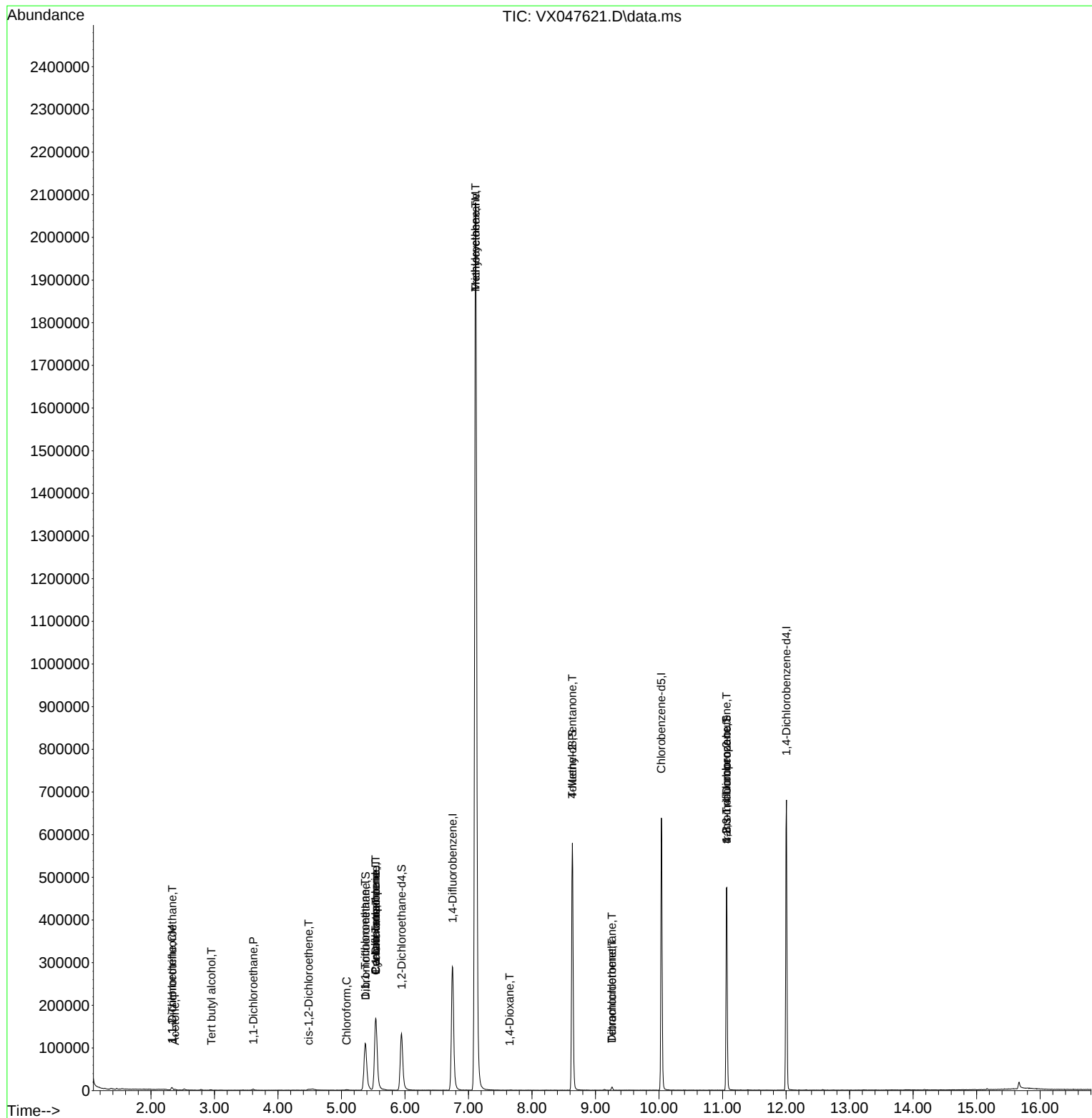
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.537  | 168   | 169880   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.751  | 114   | 316576   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.037 | 117   | 282558   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006 | 152   | 137540   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.946  | 65    | 144227   | 53.337   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 106.680% |          |
| 35) Dibromofluoromethane      | 5.379  | 113   | 106620   | 50.218   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 100.440% |          |
| 50) Toluene-d8                | 8.634  | 98    | 357051   | 48.602   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 97.200%  |          |
| 62) 4-Bromofluorobenzene      | 11.061 | 95    | 139905   | 50.179   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 100.360% |          |
| Target Compounds              |        |       |          |          |            | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo...  | 2.337  | 101   | 938      | 0.477    | ug/l #     | 82       |
| 11) Tert butyl alcohol        | 2.953  | 59    | 149      | 0.495    | ug/l #     | 72       |
| 12) 1,1-Dichloroethene        | 2.331  | 96    | 1632     | 0.809    | ug/l       | 85       |
| 16) Acetone                   | 2.379  | 43    | 2179     | 1.853    | ug/l       | 90       |
| 24) 1,1-Dichloroethane        | 3.611  | 63    | 3380     | 0.788    | ug/l #     | 92       |
| 27) cis-1,2-Dichloroethene    | 4.483  | 96    | 1289     | 0.484    | ug/l       | 73       |
| 30) Chloroform                | 5.080  | 83    | 1479     | 0.341    | ug/l       | 84       |
| 31) Cyclohexane               | 5.543  | 56    | 4078     | 1.141    | ug/l #     | 1        |
| 32) 1,1,1-Trichloroethane     | 5.373  | 97    | 931      | 0.253    | ug/l #     | 36       |
| 36) 1,1-Dichloropropene       | 5.537  | 75    | 14313    | 4.614    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 5.537  | 117   | 18276    | 5.422    | ug/l #     | 17       |
| 39) Methylcyclohexane         | 7.110  | 83    | 9392     | 2.667    | ug/l #     | 1        |
| 44) Trichloroethene           | 7.110  | 130   | 863050   | 378.850  | ug/l       | 98       |
| 49) 1,4-Dioxane               | 7.647  | 88    | 82       | 2.990    | ug/l #     | 21       |
| 51) 4-Methyl-2-Pentanone      | 8.634  | 43    | 1812     | 0.600    | ug/l #     | 1        |
| 60) Dibromochloromethane      | 9.256  | 129   | 1564     | 0.606    | ug/l #     | 11       |
| 64) Tetrachloroethene         | 9.256  | 164   | 1440     | 0.782    | ug/l       | 95       |
| 76) 1,2,3-Trichloropropane    | 11.061 | 75    | 73047    | 26.231   | ug/l #     | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.061 | 75    | 73047    | 66.893   | ug/l #     | 8        |

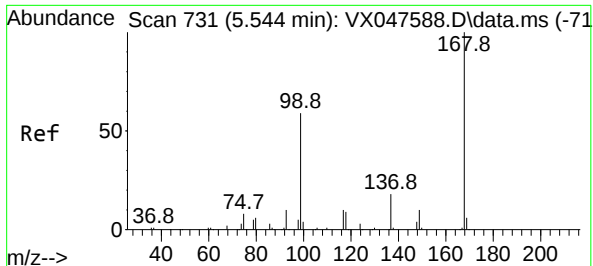
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091725\  
Data File : VX047621.D  
Acq On : 17 Sep 2025 16:13  
Operator : JC/MD  
Sample : Q3095-18  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20250909

Quant Time: Sep 22 03:09:39 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 17 06:39:58 2025  
Response via : Initial Calibration

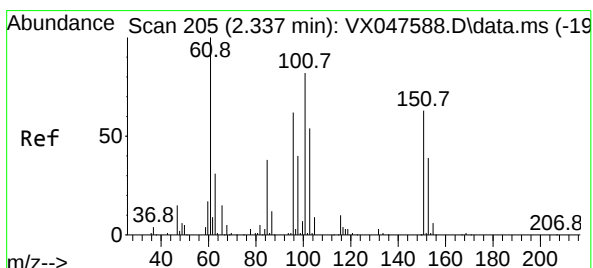
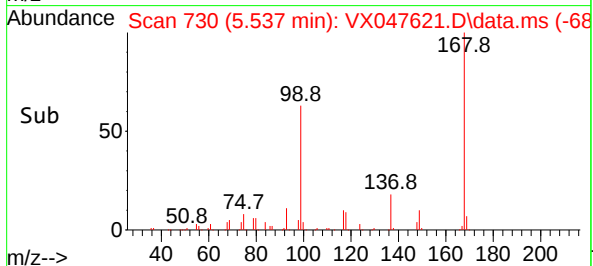
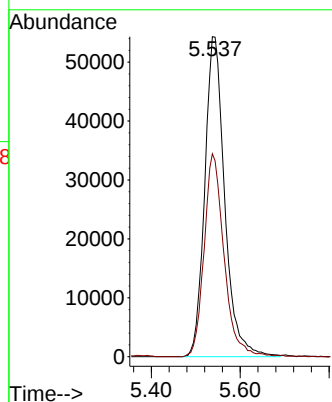
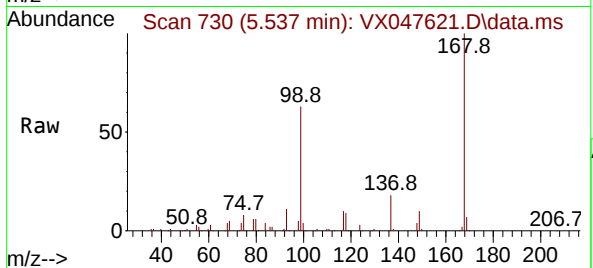




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.537 min Scan# 71  
Delta R.T. -0.007 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

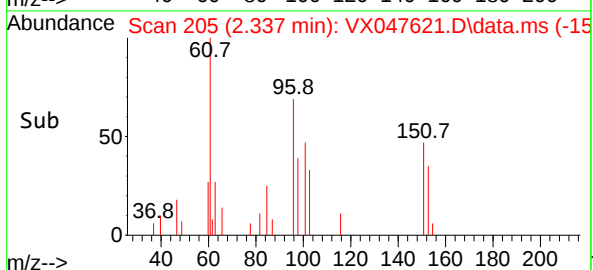
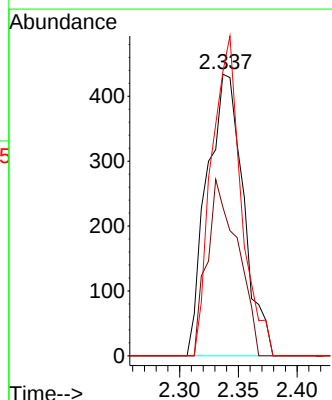
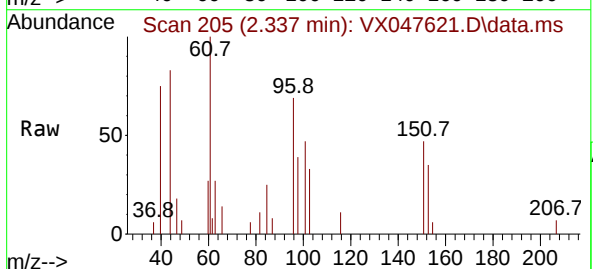
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20250909

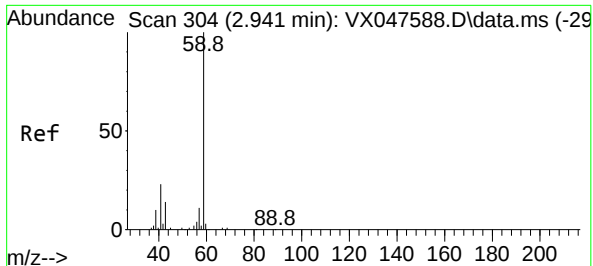
Tgt Ion:168 Resp: 169880  
Ion Ratio Lower Upper  
168 100  
99 63.4 48.8 73.2



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.477 ug/l  
RT: 2.337 min Scan# 205  
Delta R.T. -0.000 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

Tgt Ion:101 Resp: 938  
Ion Ratio Lower Upper  
101 100  
85 52.6 35.5 53.3  
151 91.8 59.4 89.0#

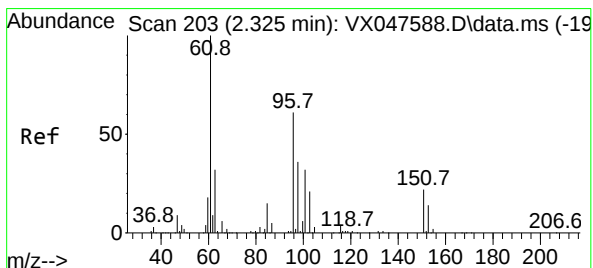
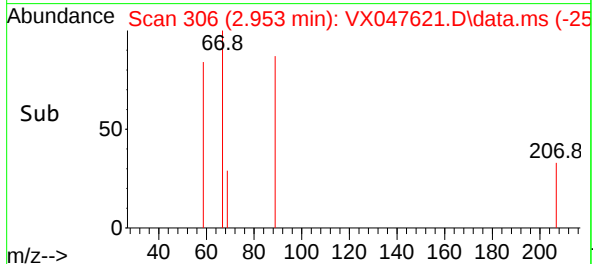
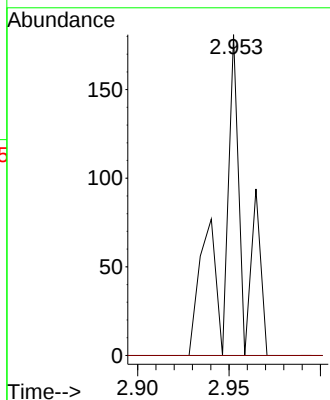
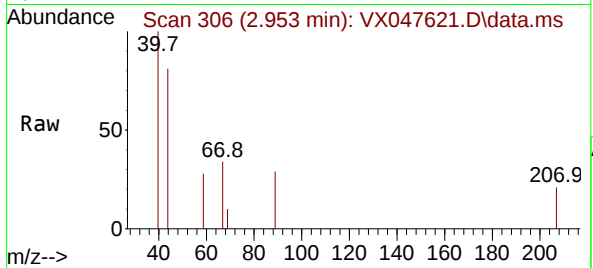




#11  
Tert butyl alcohol  
Concen: 0.495 ug/l  
RT: 2.953 min Scan# 304  
Delta R.T. 0.012 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

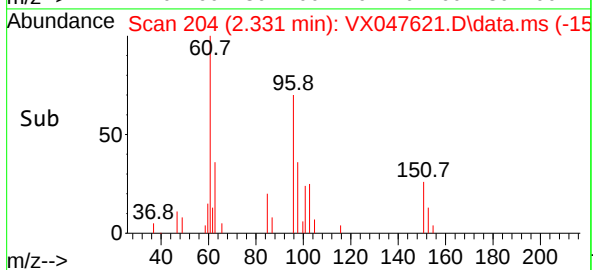
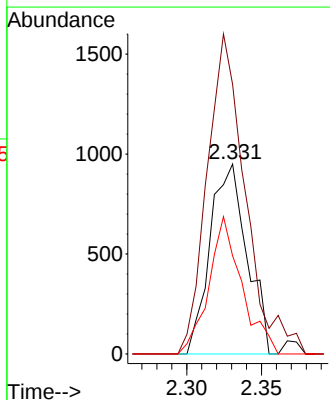
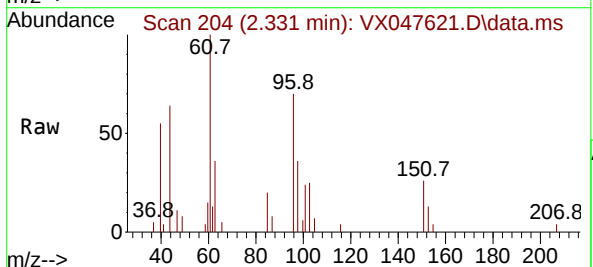
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20250909

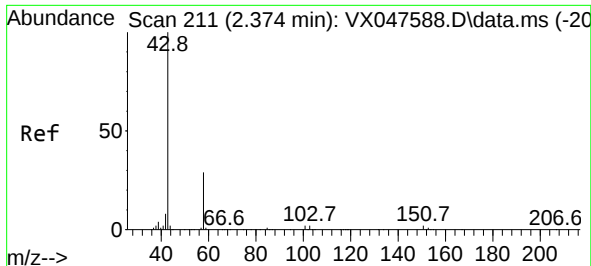
Tgt Ion: 59 Resp: 149  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#



#12  
1,1-Dichloroethene  
Concen: 0.809 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.006 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

Tgt Ion: 96 Resp: 1632  
Ion Ratio Lower Upper  
96 100  
61 142.0 131.0 196.6  
98 51.7 47.7 71.5

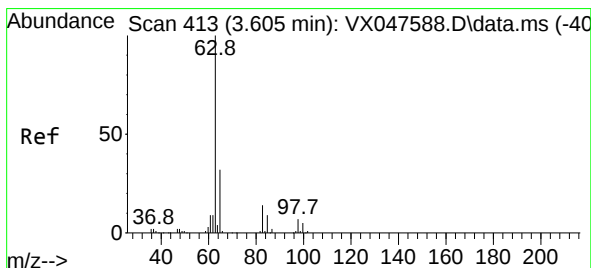
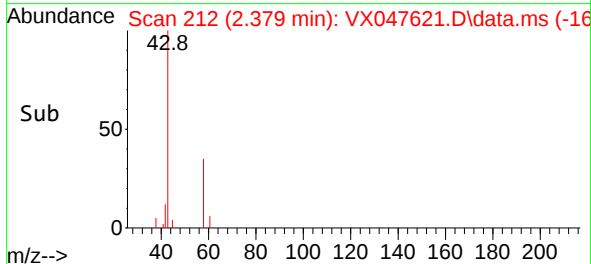
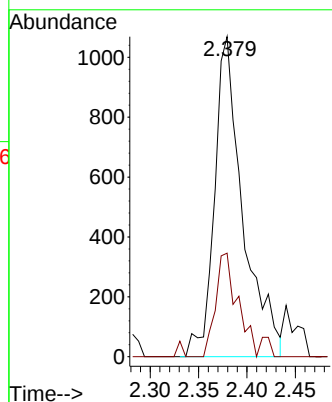
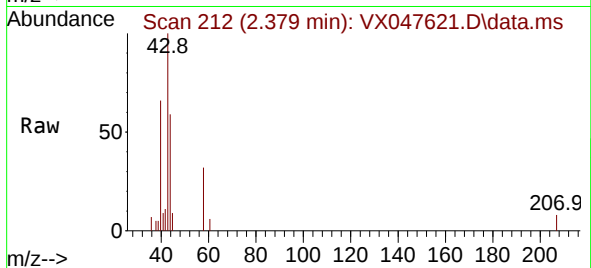




#16  
Acetone  
Concen: 1.853 ug/l  
RT: 2.379 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

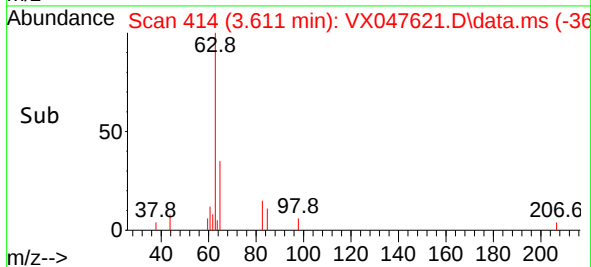
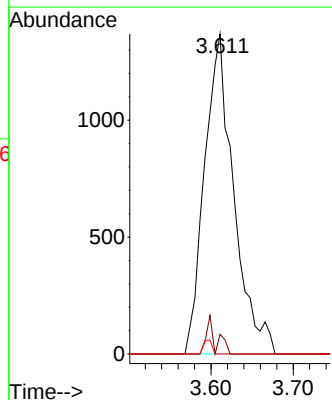
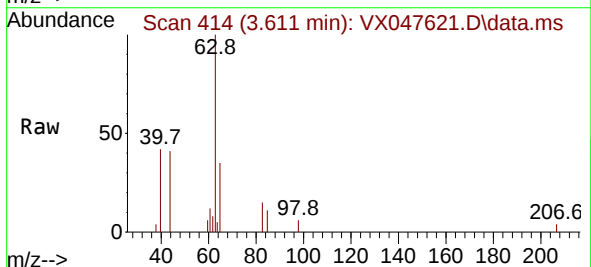
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20250909

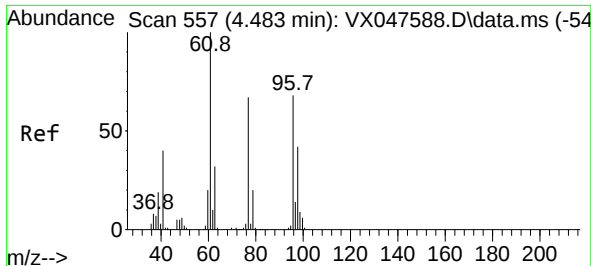
Tgt Ion: 43 Resp: 2179  
Ion Ratio Lower Upper  
43 100  
58 34.4 23.4 35.0



#24  
1,1-Dichloroethane  
Concen: 0.788 ug/l  
RT: 3.611 min Scan# 414  
Delta R.T. 0.006 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

Tgt Ion: 63 Resp: 3380  
Ion Ratio Lower Upper  
63 100  
98 5.8 3.8 11.2  
100 0.0 2.3 6.9#





#27

cis-1,2-Dichloroethene

Concen: 0.484 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX047621.D

Acq: 17 Sep 2025 16:13

Instrument :

MSVOA\_X

ClientSampleId :

RE126D2-20250909

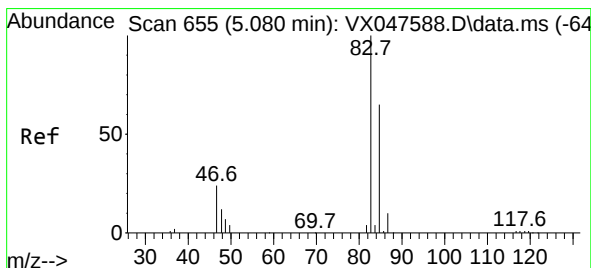
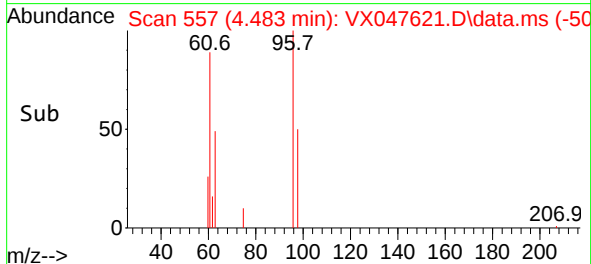
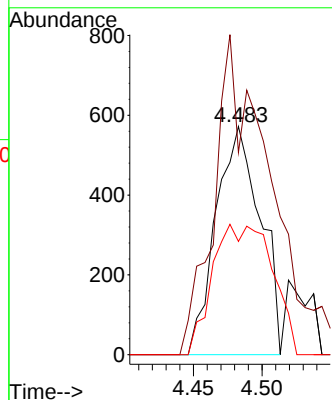
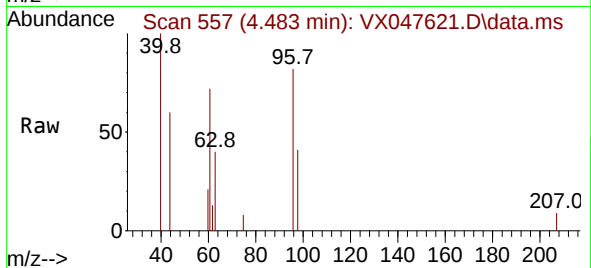
Tgt Ion: 96 Resp: 1289

Ion Ratio Lower Upper

96 100

61 182.4 0.0 303.2

98 36.9 0.0 127.8



#30

Chloroform

Concen: 0.341 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX047621.D

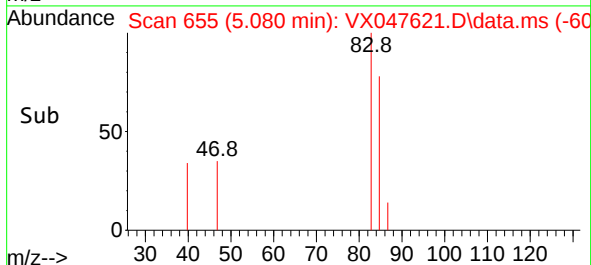
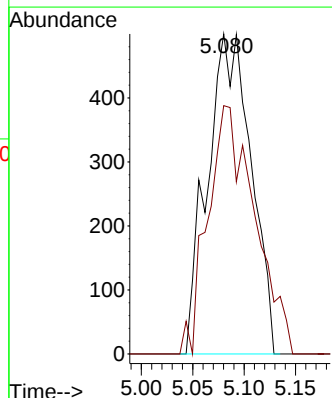
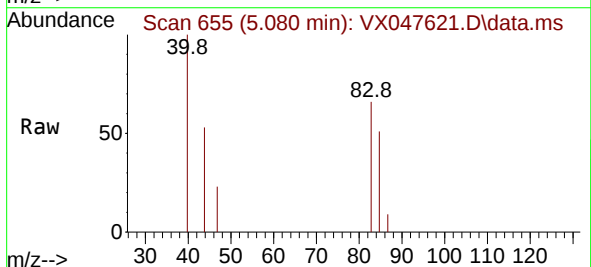
Acq: 17 Sep 2025 16:13

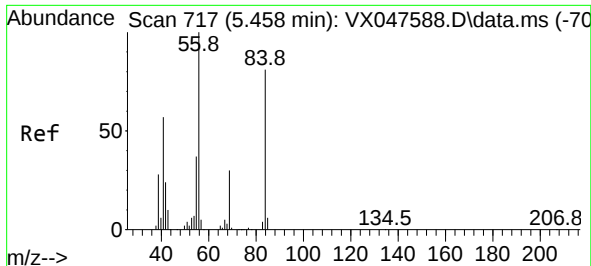
Tgt Ion: 83 Resp: 1479

Ion Ratio Lower Upper

83 100

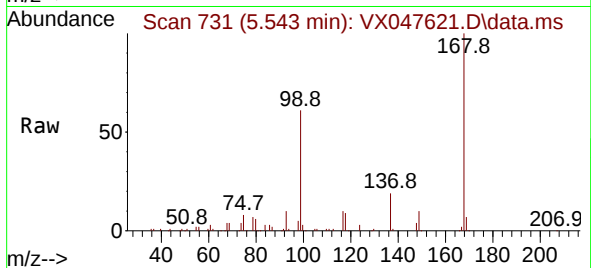
85 77.6 51.8 77.6





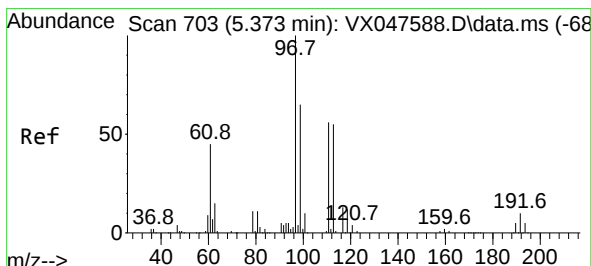
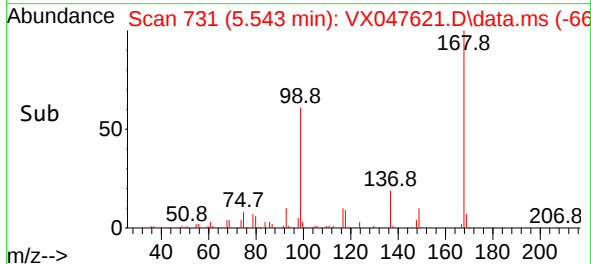
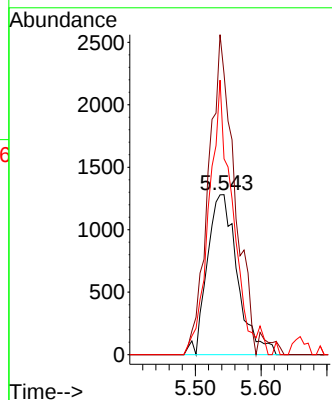
#31  
Cyclohexane  
Concen: 1.141 ug/l  
RT: 5.543 min Scan# 717  
Delta R.T. 0.085 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20250909



Tgt Ion: 56 Resp: 4078

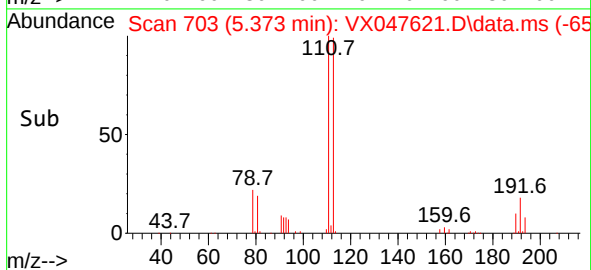
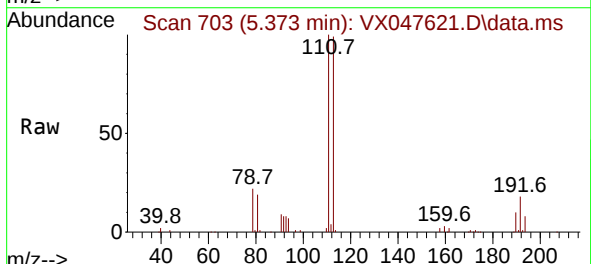
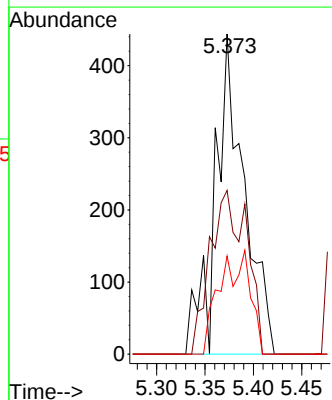
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 175.5 | 23.8  | 35.8# |
| 84  | 122.4 | 64.6  | 97.0# |

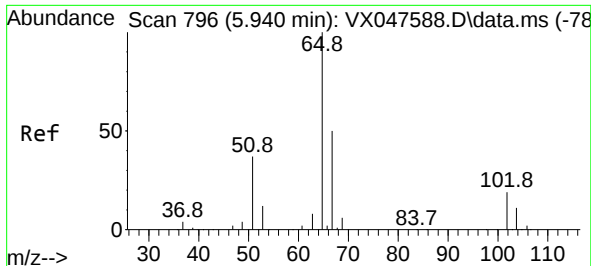


#32  
1,1,1-Trichloroethane  
Concen: 0.253 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

Tgt Ion: 97 Resp: 931

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 0.0   | 50.6  | 76.0# |
| 61  | 18.5  | 35.8  | 53.8# |





#33

1,2-Dichloroethane-d4

Concen: 53.337 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047621.D

Acq: 17 Sep 2025 16:13

Instrument :

MSVOA\_X

ClientSampleId :

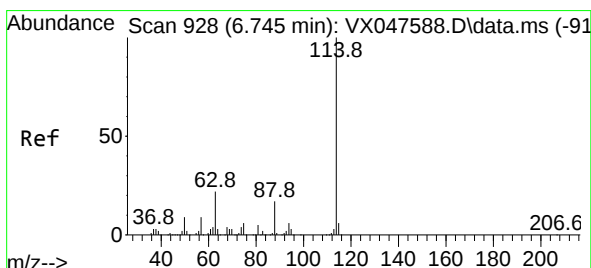
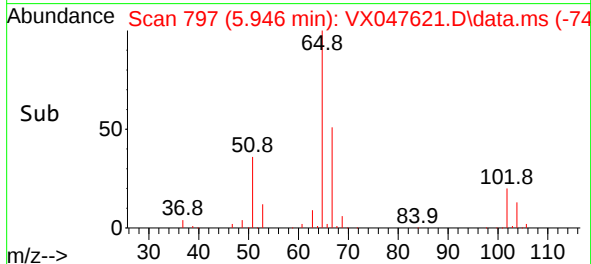
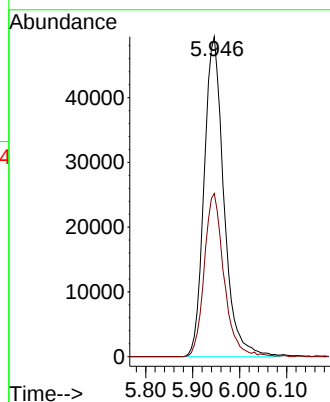
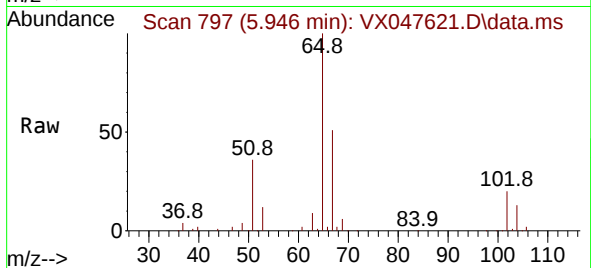
RE126D2-20250909

Tgt Ion: 65 Resp: 144227

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047621.D

Acq: 17 Sep 2025 16:13

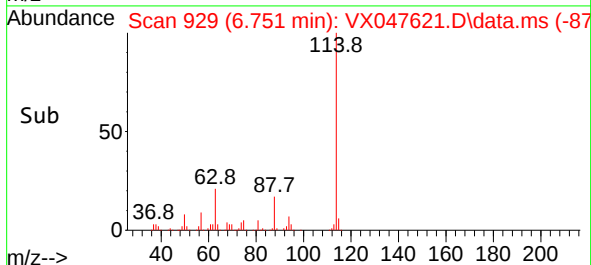
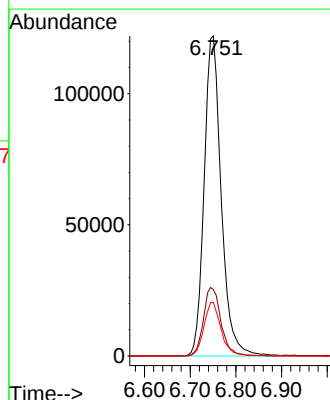
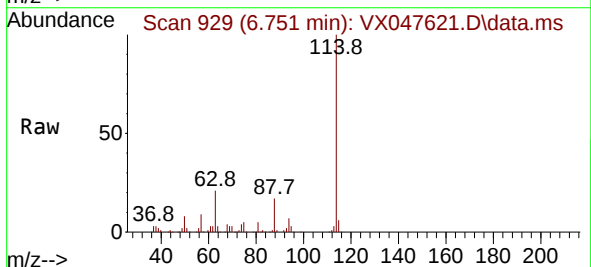
Tgt Ion: 114 Resp: 316576

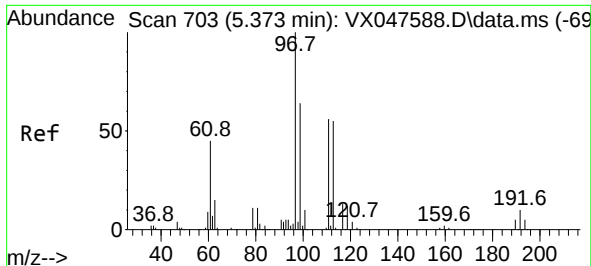
Ion Ratio Lower Upper

114 100

63 20.8 0.0 44.0

88 16.8 0.0 34.2

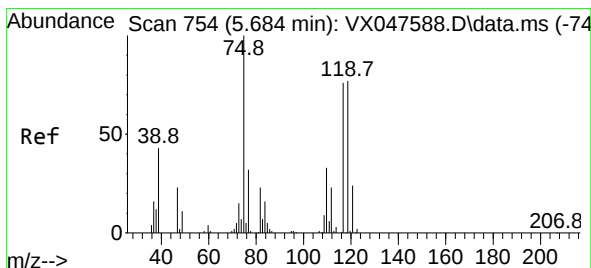
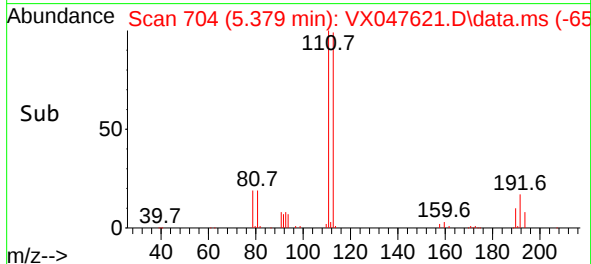
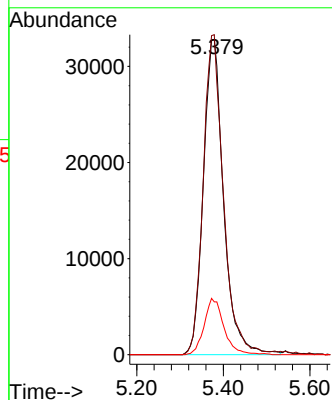
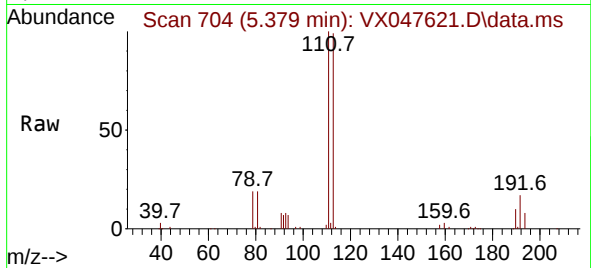




#35  
Dibromofluoromethane  
Concen: 50.218 ug/l  
RT: 5.379 min Scan# 703  
Delta R.T. 0.006 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

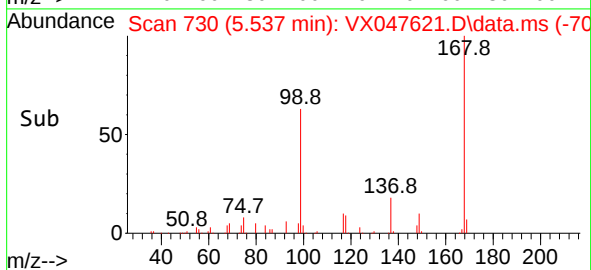
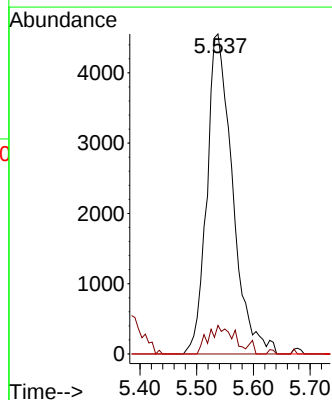
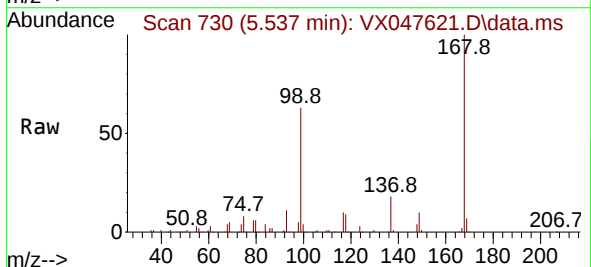
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20250909

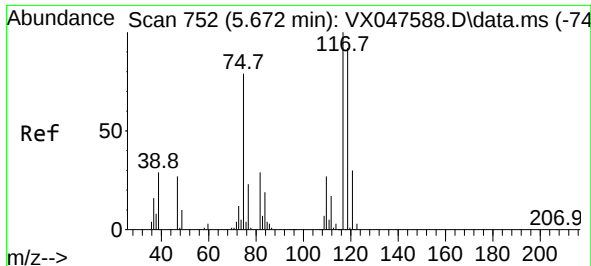
Tgt Ion:113 Resp: 106620  
Ion Ratio Lower Upper  
113 100  
111 100.9 80.9 121.3  
192 17.5 14.2 21.4



#36  
1,1-Dichloropropene  
Concen: 4.614 ug/l  
RT: 5.537 min Scan# 730  
Delta R.T. -0.147 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

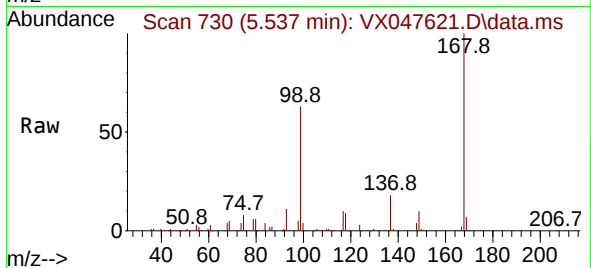
Tgt Ion: 75 Resp: 14313  
Ion Ratio Lower Upper  
75 100  
110 8.6 16.7 50.1#  
77 0.0 24.3 36.5#



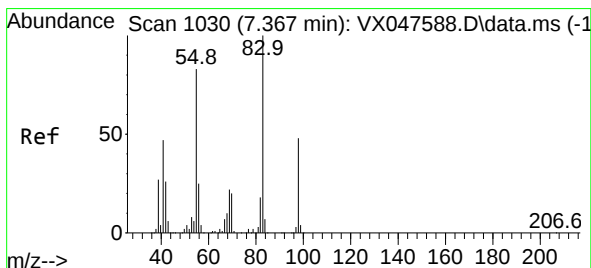
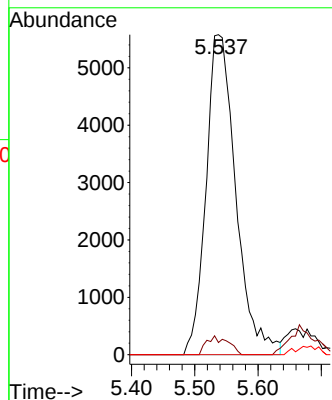
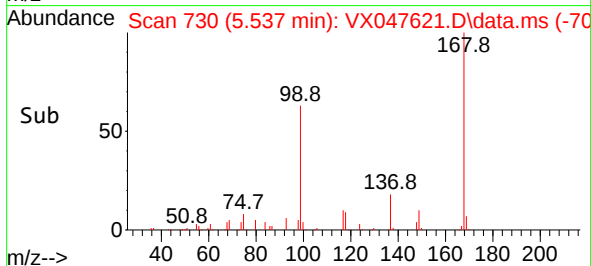


#38  
Carbon Tetrachloride  
Concen: 5.422 ug/l  
RT: 5.537 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

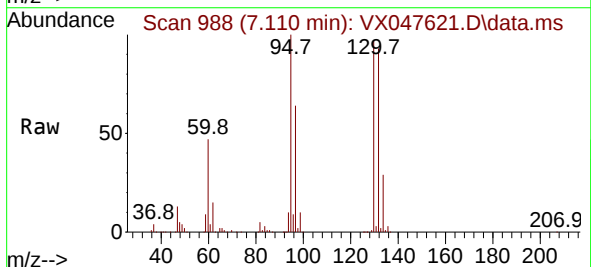
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20250909



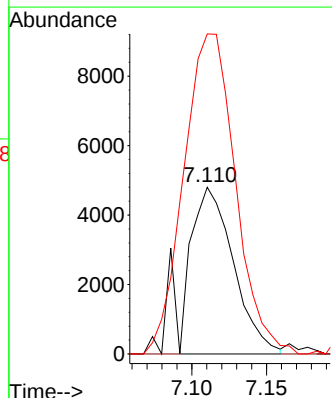
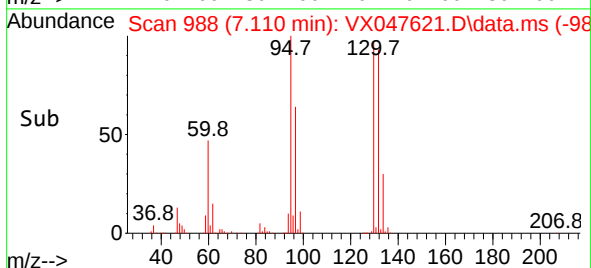
Tgt Ion:117 Resp: 18276  
Ion Ratio Lower Upper  
117 100  
119 3.8 73.4 110.2#  
121 0.0 23.8 35.6#

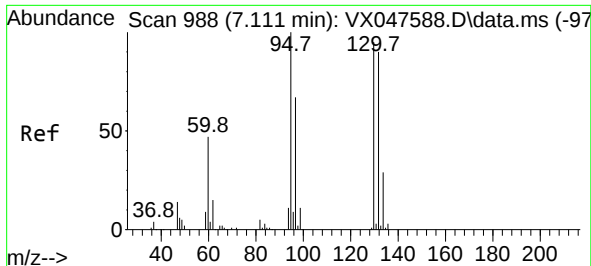


#39  
Methylcyclohexane  
Concen: 2.667 ug/l  
RT: 7.110 min Scan# 988  
Delta R.T. -0.256 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13



Tgt Ion: 83 Resp: 9392  
Ion Ratio Lower Upper  
83 100  
55 0.0 66.4 99.6#  
98 304.0 38.1 57.1#

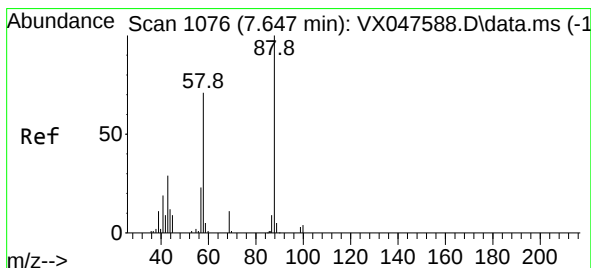
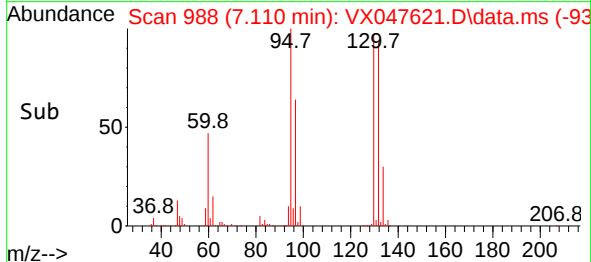
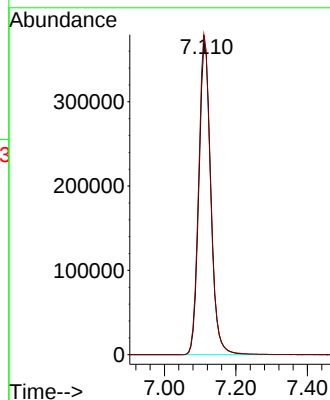
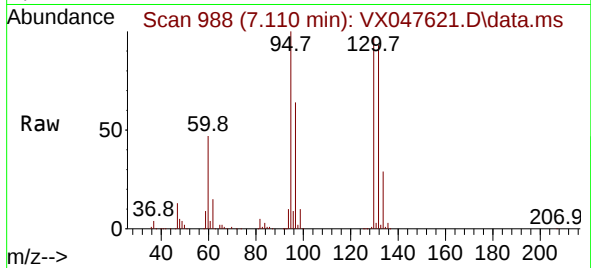




#44  
Trichloroethene  
Concen: 378.850 ug/l  
RT: 7.110 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

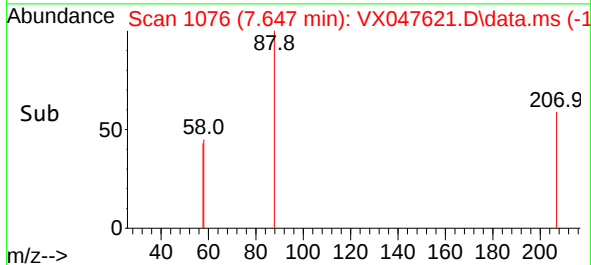
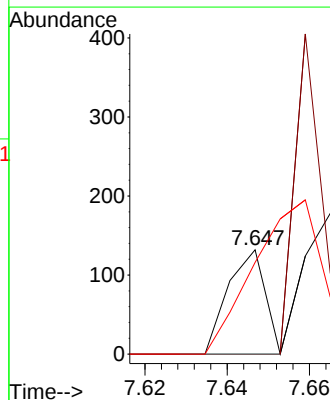
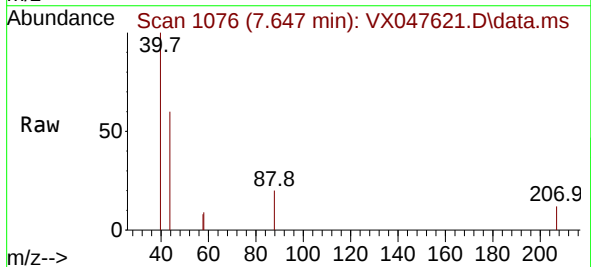
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20250909

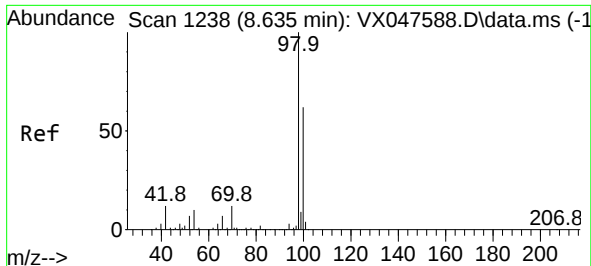
Tgt Ion:130 Resp: 863050  
Ion Ratio Lower Upper  
130 100  
95 102.9 0.0 210.8



#49  
1,4-Dioxane  
Concen: 2.990 ug/l  
RT: 7.647 min Scan# 1076  
Delta R.T. -0.000 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

Tgt Ion: 88 Resp: 82  
Ion Ratio Lower Upper  
88 100  
43 0.0 30.2 45.2#  
58 0.0 59.5 89.3#

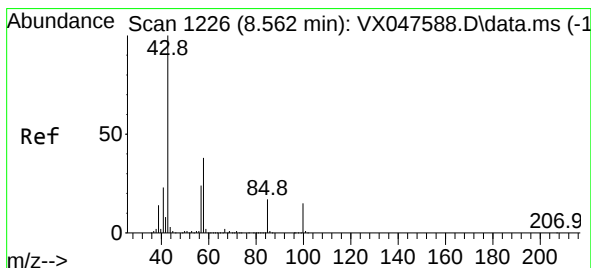
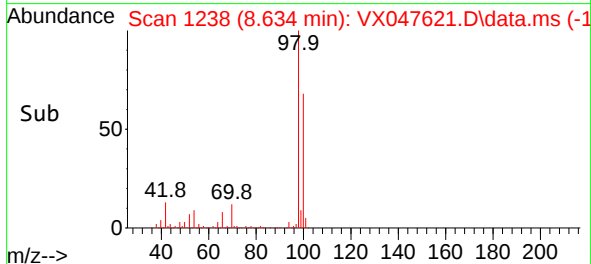
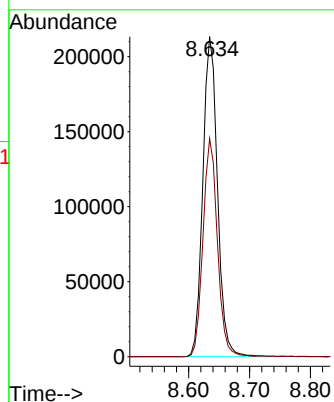
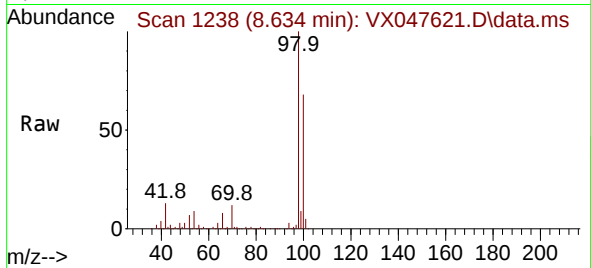




#50  
Toluene-d8  
Concen: 48.602 ug/l  
RT: 8.634 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

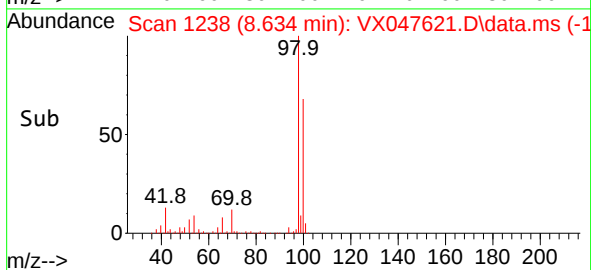
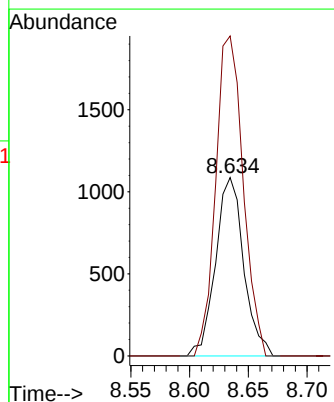
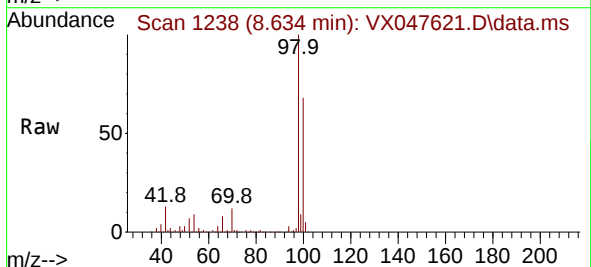
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20250909

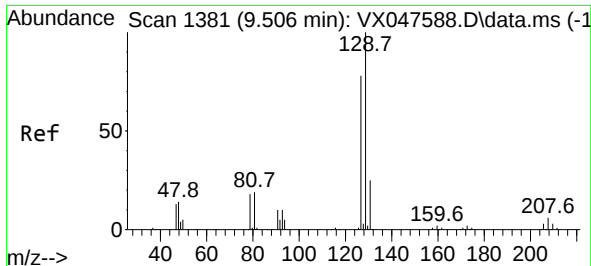
Tgt Ion: 98 Resp: 357051  
Ion Ratio Lower Upper  
98 100  
100 67.1 53.0 79.4



#51  
4-Methyl-2-Pentanone  
Concen: 0.600 ug/l  
RT: 8.634 min Scan# 1238  
Delta R.T. 0.073 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

Tgt Ion: 43 Resp: 1812  
Ion Ratio Lower Upper  
43 100  
58 174.7 30.3 45.5#

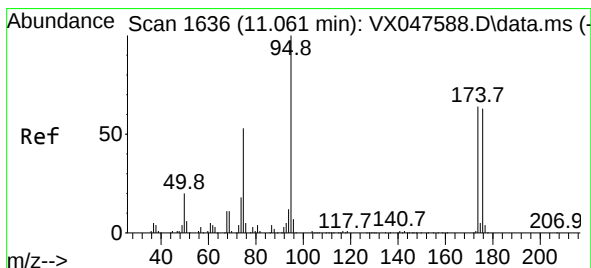
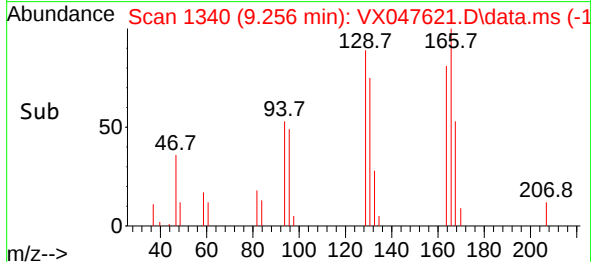
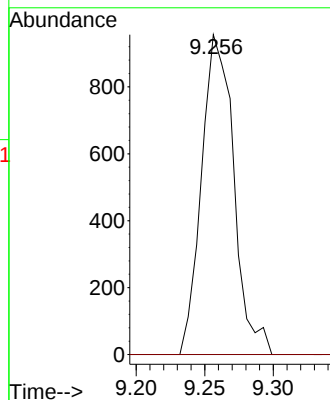
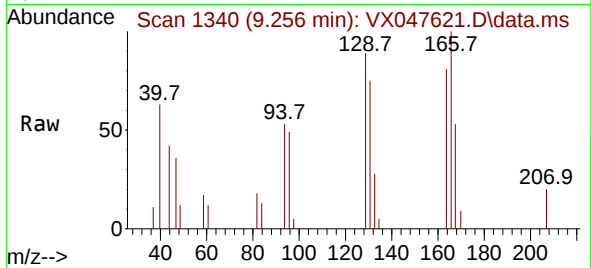




#60  
Dibromochloromethane  
Concen: 0.606 ug/l  
RT: 9.256 min Scan# 11  
Delta R.T. -0.250 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

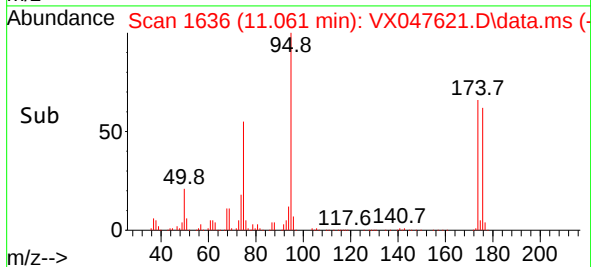
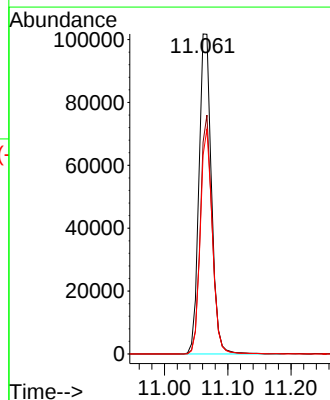
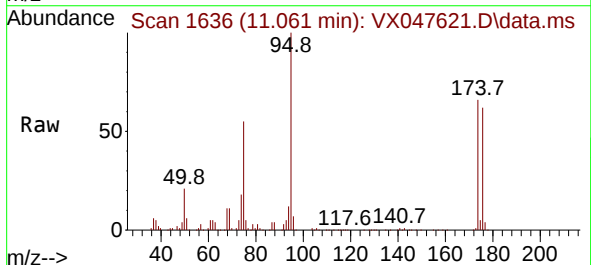
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20250909

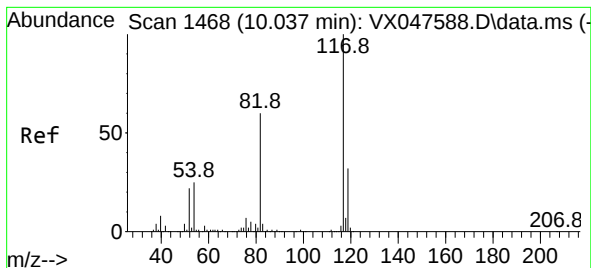
Tgt Ion:129 Resp: 1564  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#



#62  
4-Bromofluorobenzene  
Concen: 50.179 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.000 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

Tgt Ion: 95 Resp: 139905  
Ion Ratio Lower Upper  
95 100  
174 70.7 0.0 141.6  
176 68.0 0.0 138.4

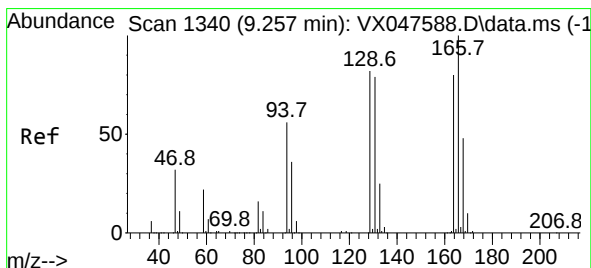
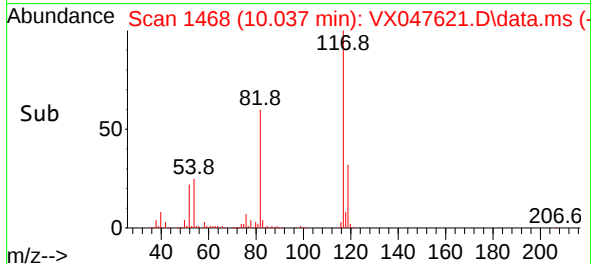
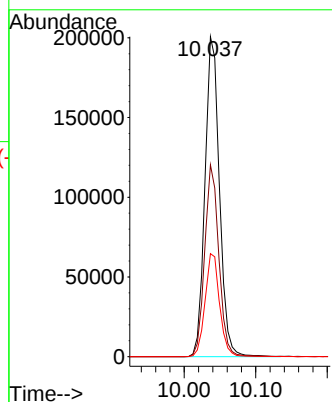
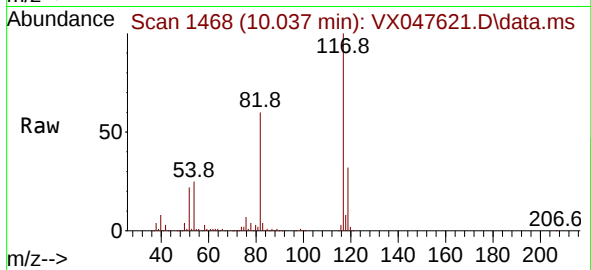




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

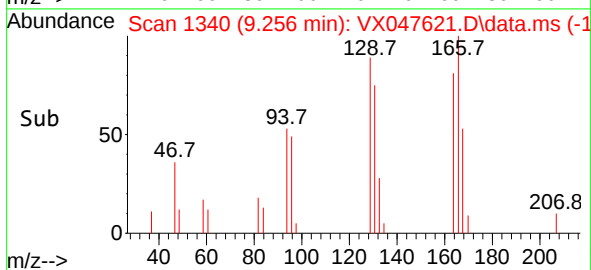
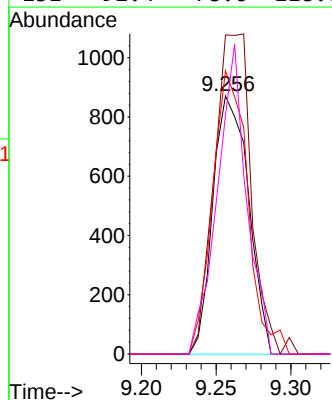
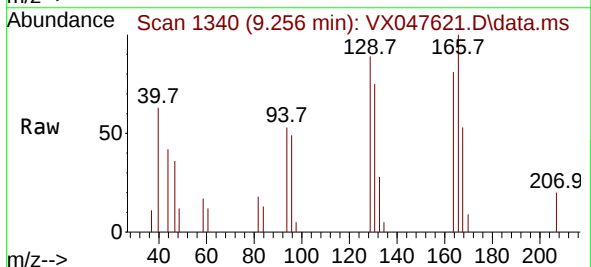
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20250909

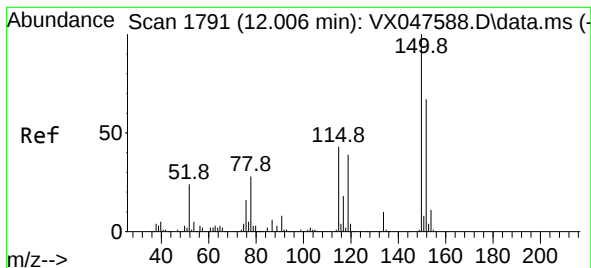
Tgt Ion:117 Resp: 282558  
Ion Ratio Lower Upper  
117 100  
82 60.0 47.8 71.6  
119 32.2 25.2 37.8



#64  
Tetrachloroethene  
Concen: 0.782 ug/l  
RT: 9.256 min Scan# 1340  
Delta R.T. -0.000 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

Tgt Ion:164 Resp: 1440  
Ion Ratio Lower Upper  
164 100  
166 123.7 100.2 150.2  
129 109.8 81.8 122.6  
131 92.4 78.6 118.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047621.D

Acq: 17 Sep 2025 16:13

Instrument :

MSVOA\_X

ClientSampleId :

RE126D2-20250909

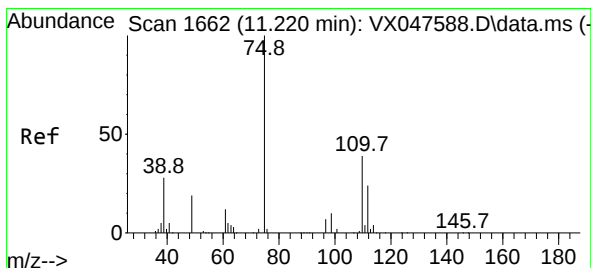
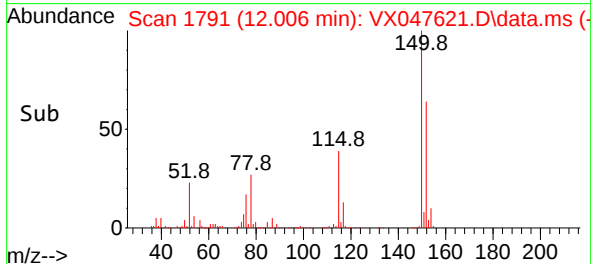
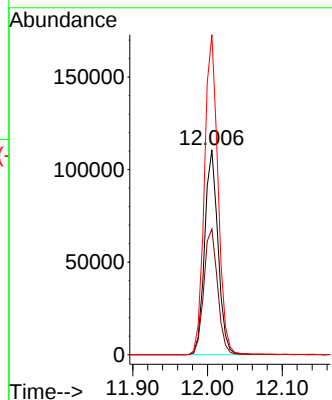
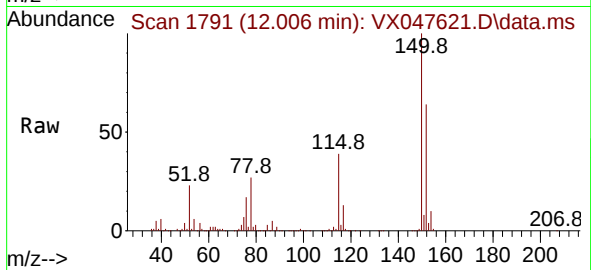
Tgt Ion:152 Resp: 137540

Ion Ratio Lower Upper

152 100

115 63.2 44.9 134.5

150 158.7 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 26.231 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047621.D

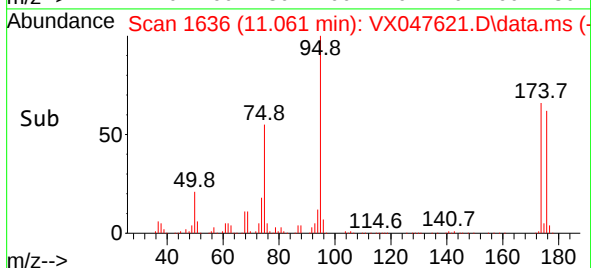
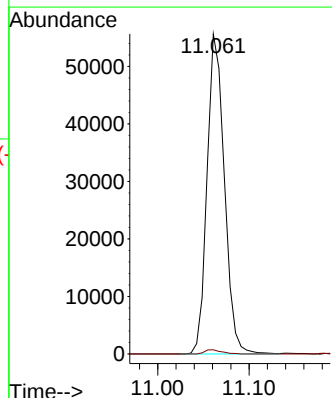
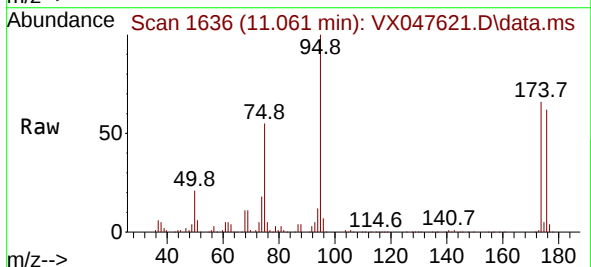
Acq: 17 Sep 2025 16:13

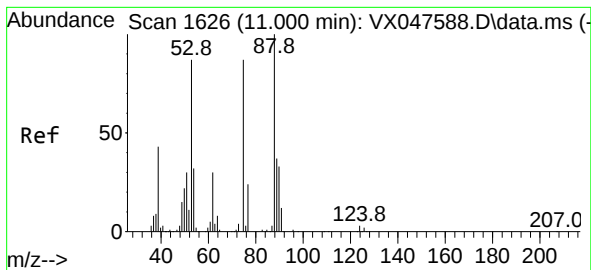
Tgt Ion: 75 Resp: 73047

Ion Ratio Lower Upper

75 100

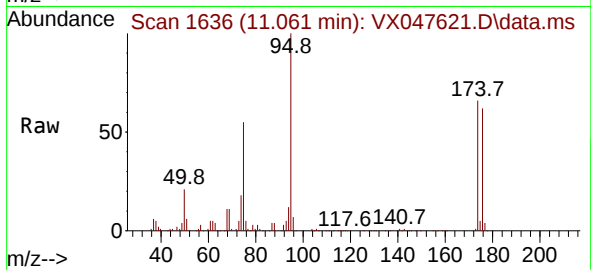
77 1.3 18.8 56.4#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 66.893 ug/l  
RT: 11.061 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX047621.D  
Acq: 17 Sep 2025 16:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20250909



Tgt Ion: 75 Resp: 73047  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.4 125.2#  
89 0.0 36.3 54.5#

