

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040122\  
 Data File : VX027893.D  
 Acq On : 01 Apr 2022 19:51  
 Operator : JC/MD  
 Sample : N2074-14 5X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE122D1-20220321

Quant Time: Apr 02 05:11:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032922W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 04:39:27 2022  
 Response via : Initial Calibration

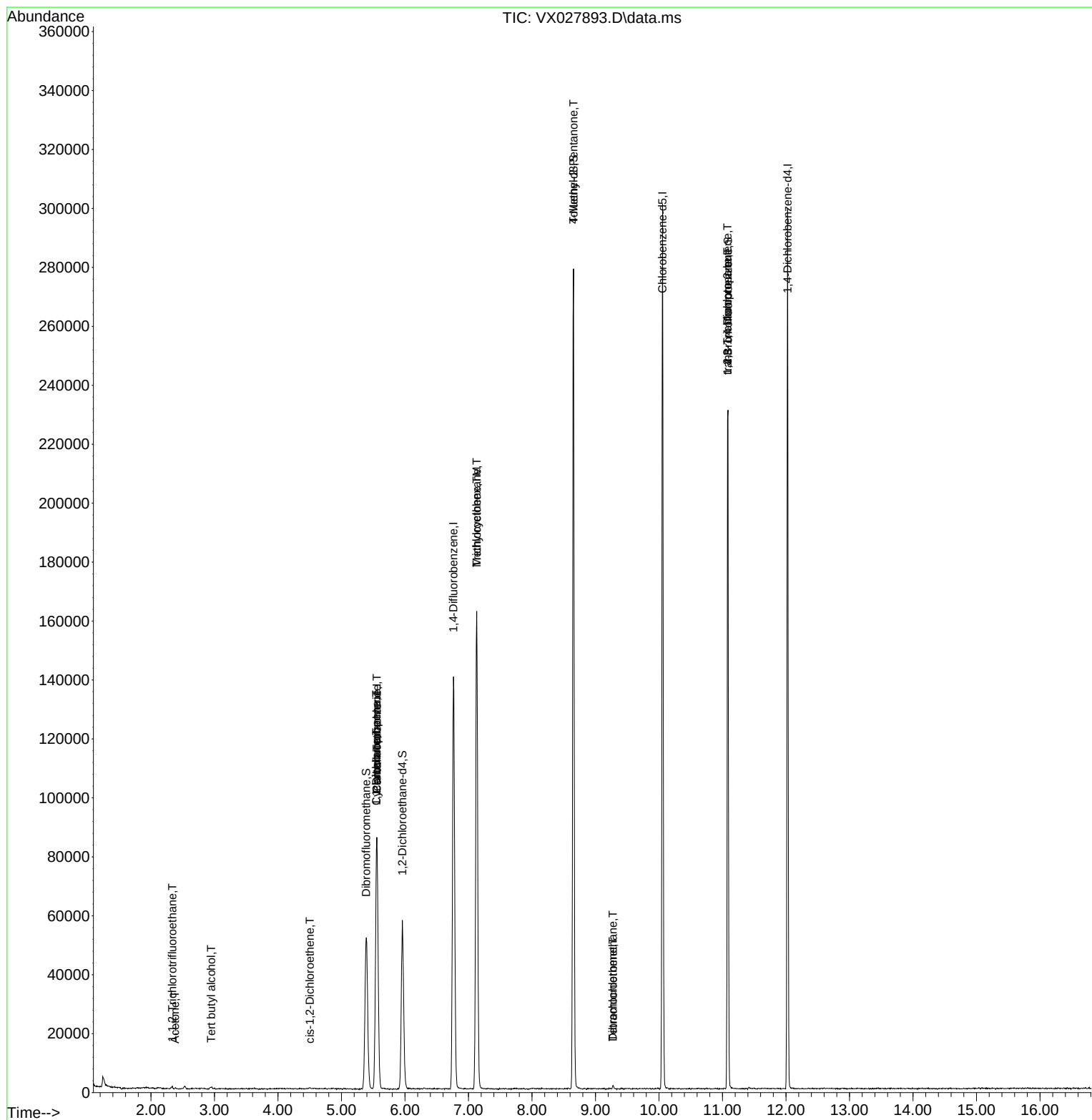
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.556     | 168   | 81319    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114   | 134582   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 121575   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 53332    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958     | 65    | 54941    | 52.363   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 61 - 141 | Recovery | = 104.720% |          |
| 35) Dibromofluoromethane      | 5.385     | 113   | 46377    | 53.387   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 69 - 133 | Recovery | = 106.780% |          |
| 50) Toluene-d8                | 8.653     | 98    | 161254   | 52.759   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 65 - 126 | Recovery | = 105.520% |          |
| 62) 4-Bromofluorobenzene      | 11.086    | 95    | 63883    | 49.183   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 135 | Recovery | = 98.360%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          |            | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo...  | 2.337     | 101   | 388      | 0.510    | ug/l #     | 79       |
| 11) Tert butyl alcohol        | 2.947     | 59    | 401      | 1.990    | ug/l #     | 72       |
| 16) Acetone                   | 2.380     | 43    | 276      | 0.594    | ug/l #     | 39       |
| 27) cis-1,2-Dichloroethene    | 4.501     | 96    | 208      | 0.227    | ug/l #     | 1        |
| 31) Cyclohexane               | 5.550     | 56    | 1647     | 1.420    | ug/l #     | 22       |
| 36) 1,1-Dichloropropene       | 5.550     | 75    | 6197     | 5.664    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 5.556     | 117   | 8633     | 7.142    | ug/l #     | 15       |
| 39) Methylcyclohexane         | 7.129     | 83    | 778      | 0.604    | ug/l #     | 1        |
| 44) Trichloroethene           | 7.129     | 130   | 58377    | 64.786   | ug/l       | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.653     | 43    | 799      | 0.530    | ug/l #     | 1        |
| 60) Dibromochloromethane      | 9.275     | 129   | 209      | 0.218    | ug/l #     | 9        |
| 64) Tetrachloroethene         | 9.275     | 164   | 220      | 0.267    | ug/l       | 89       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 34814    | 27.827   | ug/l #     | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 34814    | 81.308   | ug/l #     | 15       |
| -----                         |           |       |          |          |            |          |

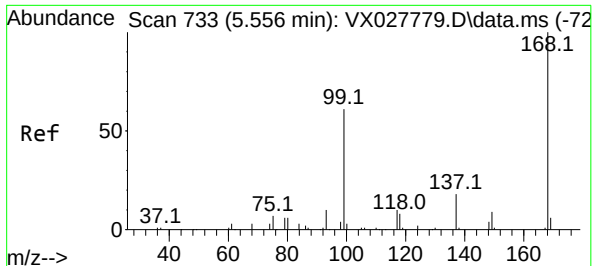
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040122\  
Data File : VX027893.D  
Acq On : 01 Apr 2022 19:51  
Operator : JC/MD  
Sample : N2074-14 5X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE122D1-20220321

Quant Time: Apr 02 05:11:06 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032922W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 30 04:39:27 2022  
Response via : Initial Calibration

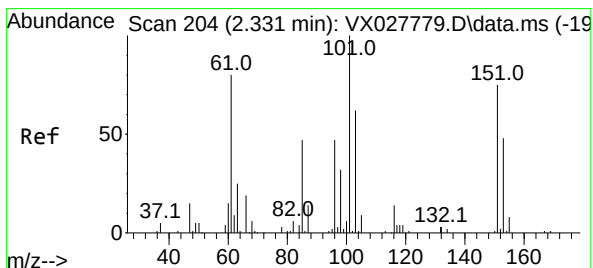
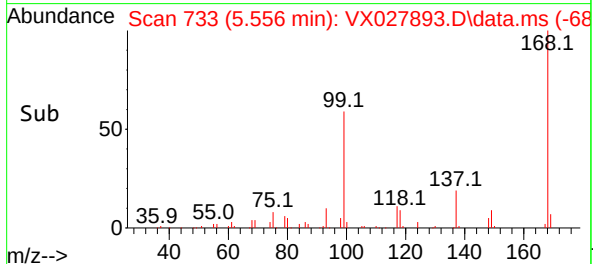
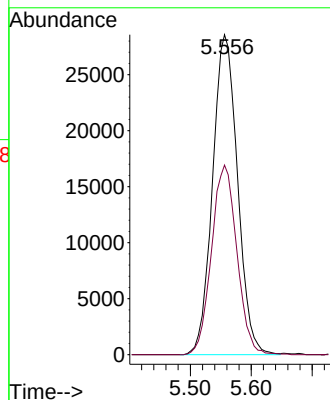
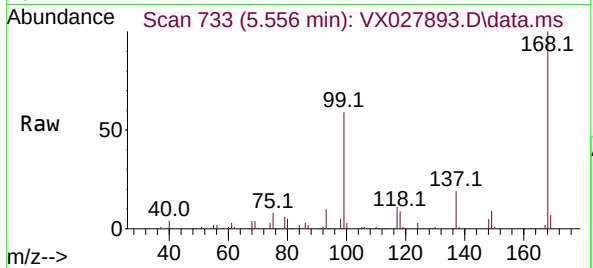




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX027893.D  
Acq: 01 Apr 2022 19:51

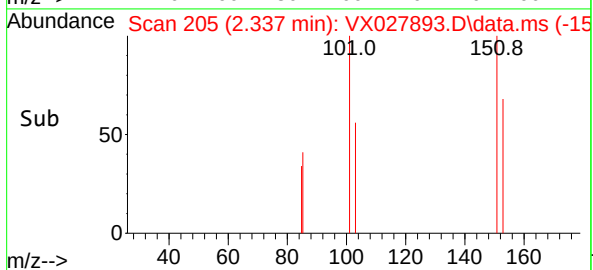
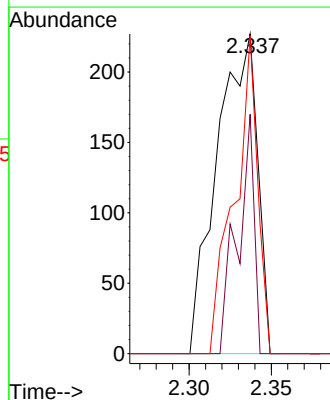
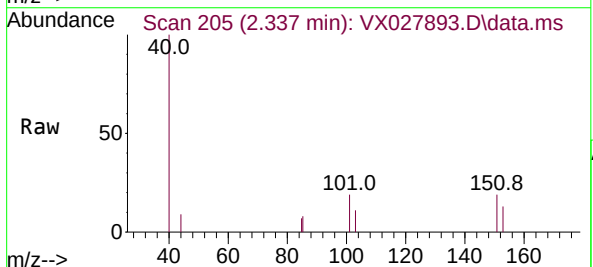
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE122D1-20220321

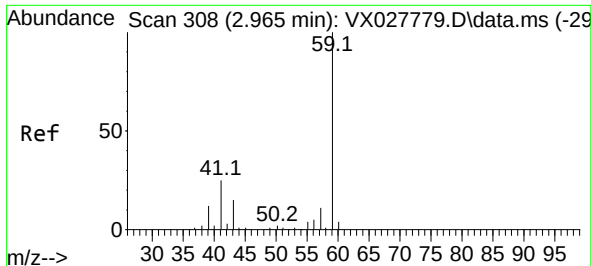
Tgt Ion:168 Resp: 81319  
Ion Ratio Lower Upper  
168 100  
99 59.3 41.7 62.5



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.510 ug/l  
RT: 2.337 min Scan# 205  
Delta R.T. 0.006 min  
Lab File: VX027893.D  
Acq: 01 Apr 2022 19:51

Tgt Ion:101 Resp: 388  
Ion Ratio Lower Upper  
101 100  
85 30.7 33.5 50.3#  
151 57.2 61.8 92.6#





#11

Tert butyl alcohol

Concen: 1.990 ug/l

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX027893.D

Acq: 01 Apr 2022 19:51

Instrument :

MSVOA\_X

ClientSampleId :

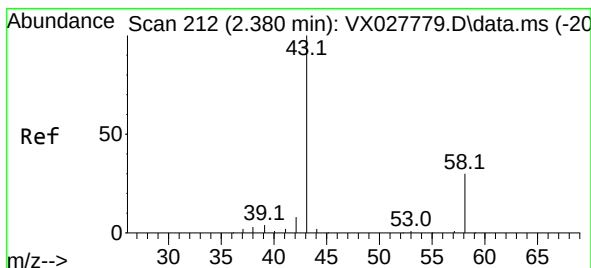
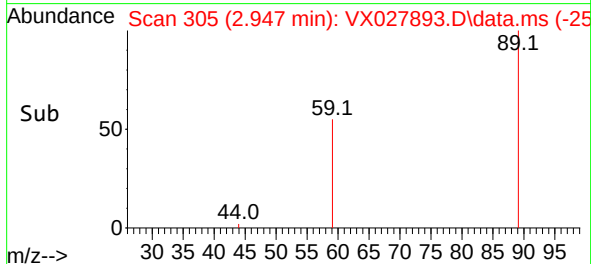
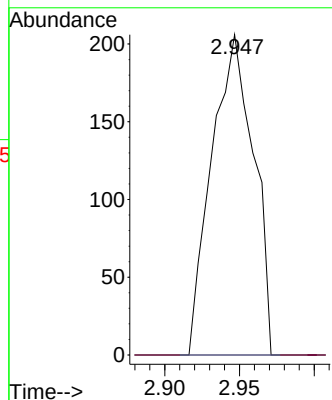
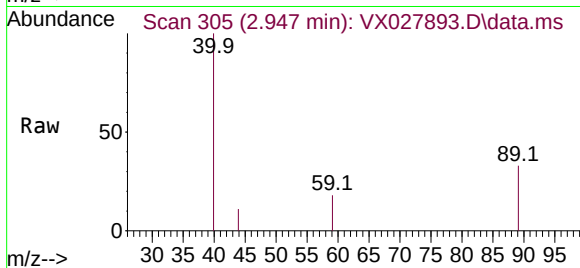
RE122D1-20220321

Tgt Ion: 59 Resp: 401

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 0.594 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX027893.D

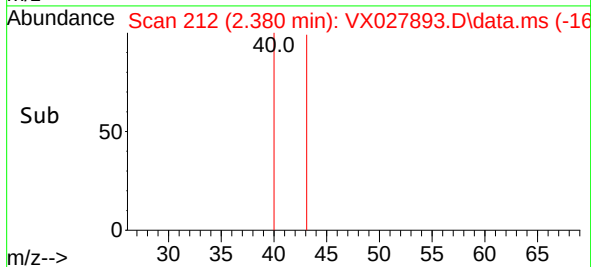
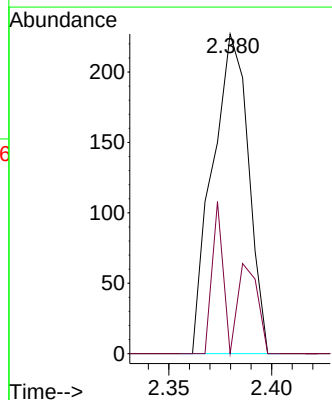
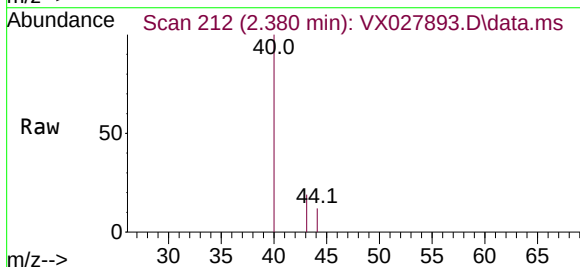
Acq: 01 Apr 2022 19:51

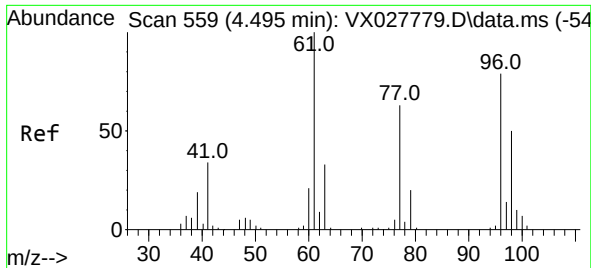
Tgt Ion: 43 Resp: 276

Ion Ratio Lower Upper

43 100

58 0.0 28.8 43.2#





#27

cis-1,2-Dichloroethene

Concen: 0.227 ug/l

RT: 4.501 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX027893.D

Acq: 01 Apr 2022 19:51

Instrument :

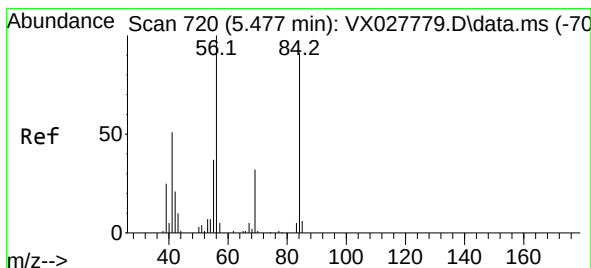
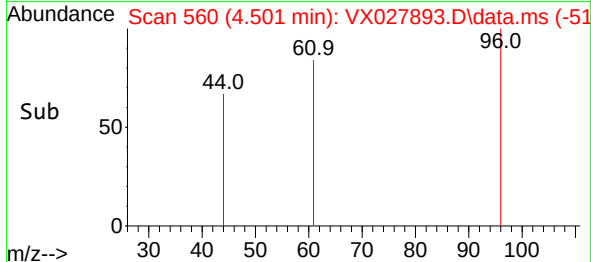
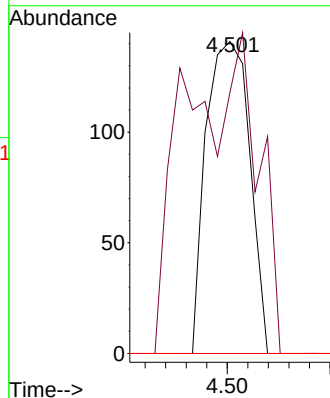
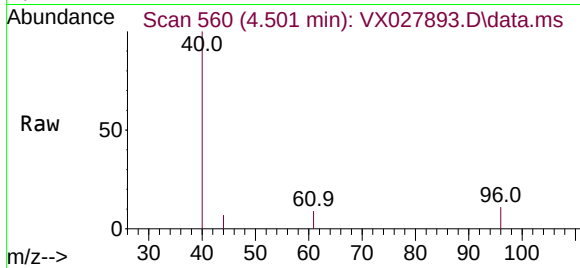
MSVOA\_X

ClientSampleId :

RE122D1-20220321

Tgt Ion: 96 Resp: 208

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 0.0   | 0.0   | 283.8 |
| 98  | 0.0   | 0.0   | 129.8 |



#31

Cyclohexane

Concen: 1.420 ug/l

RT: 5.550 min Scan# 732

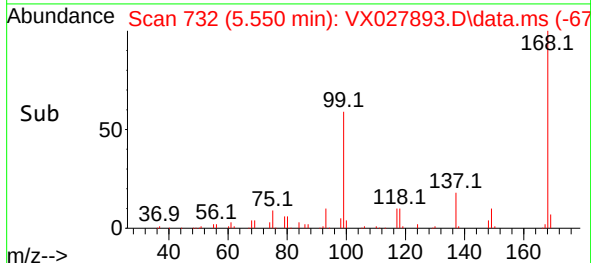
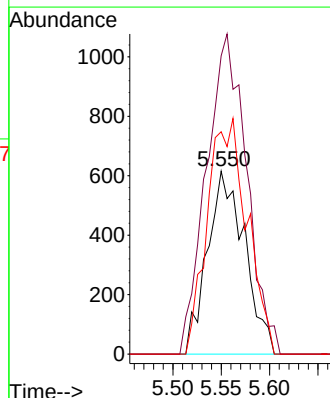
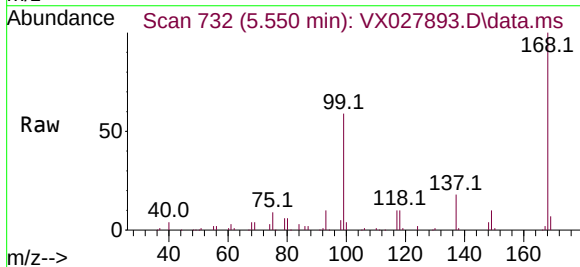
Delta R.T. 0.073 min

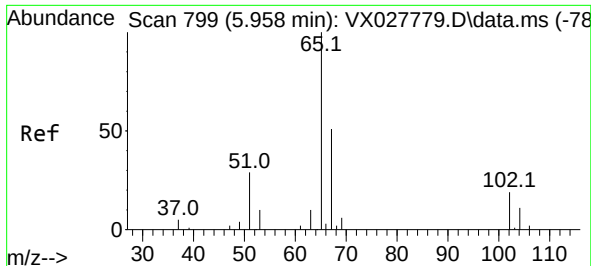
Lab File: VX027893.D

Acq: 01 Apr 2022 19:51

Tgt Ion: 56 Resp: 1647

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 163.1 | 26.7  | 40.1#  |
| 84  | 121.6 | 77.2  | 115.8# |





#33

1,2-Dichloroethane-d4

Concen: 52.363 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027893.D

Acq: 01 Apr 2022 19:51

Instrument :

MSVOA\_X

ClientSampleId :

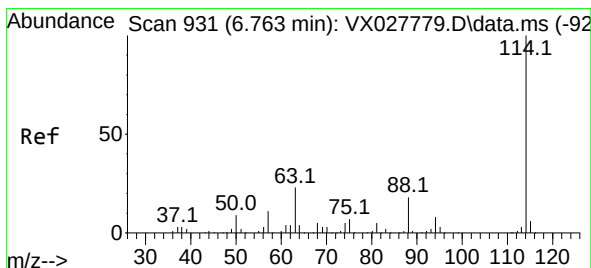
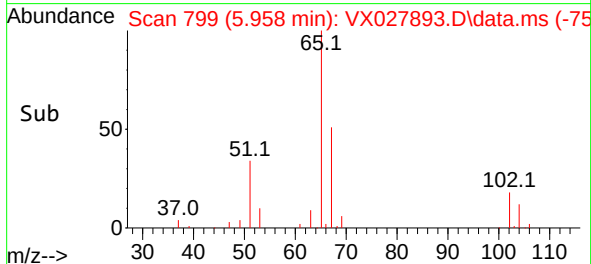
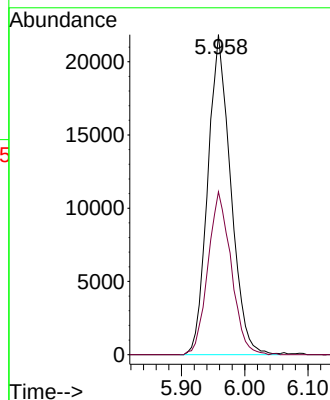
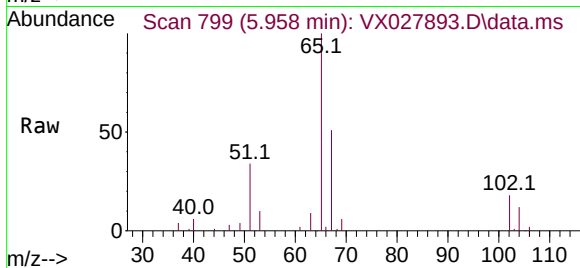
RE122D1-20220321

Tgt Ion: 65 Resp: 54941

Ion Ratio Lower Upper

65 100

67 51.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX027893.D

Acq: 01 Apr 2022 19:51

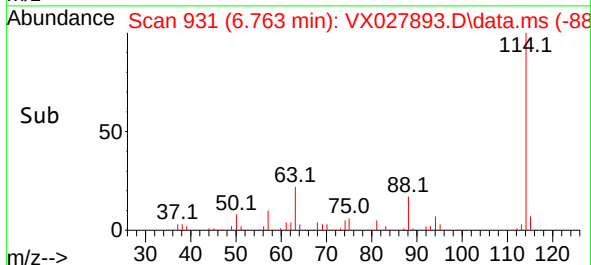
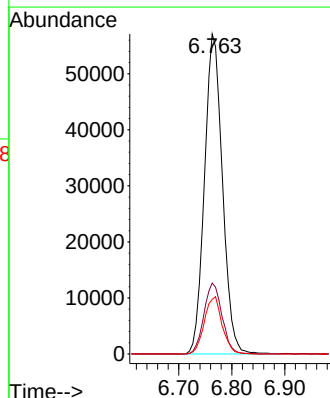
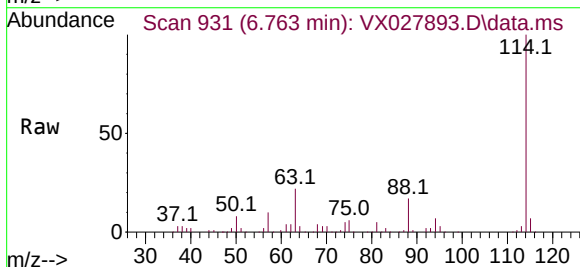
Tgt Ion: 114 Resp: 134582

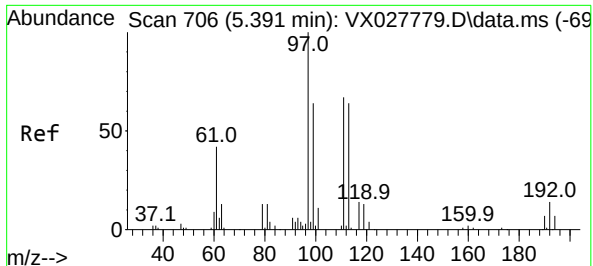
Ion Ratio Lower Upper

114 100

63 22.2 0.0 36.8

88 17.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.387 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX027893.D

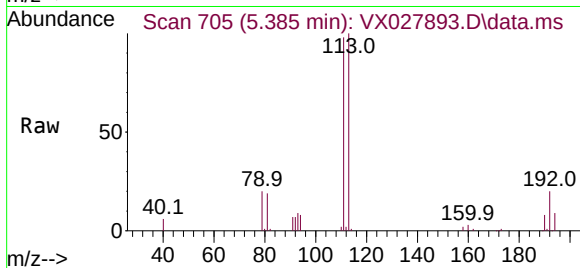
Acq: 01 Apr 2022 19:51

Instrument :

MSVOA\_X

ClientSampleId :

RE122D1-20220321



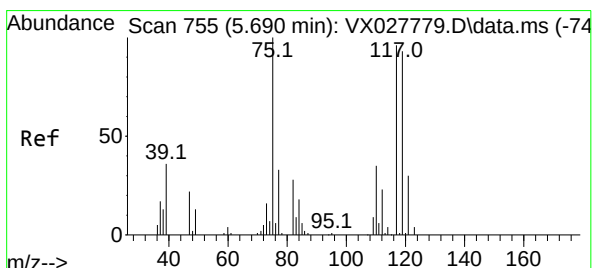
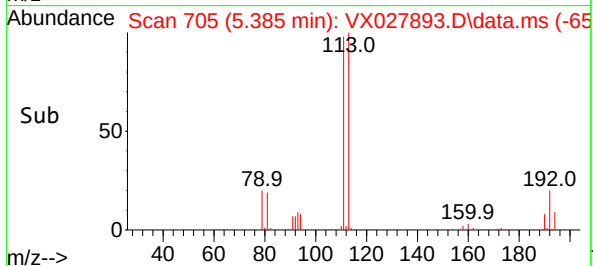
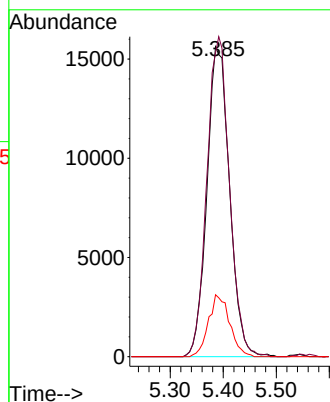
Tgt Ion:113 Resp: 46377

Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

192 18.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.664 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX027893.D

Acq: 01 Apr 2022 19:51

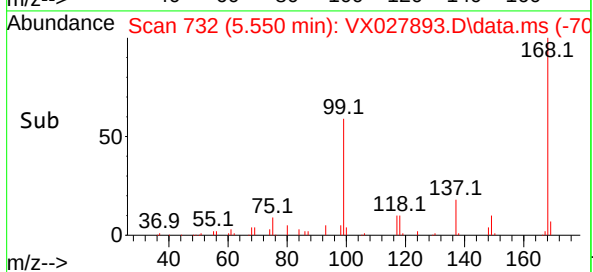
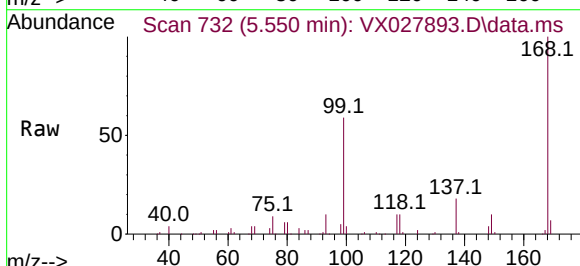
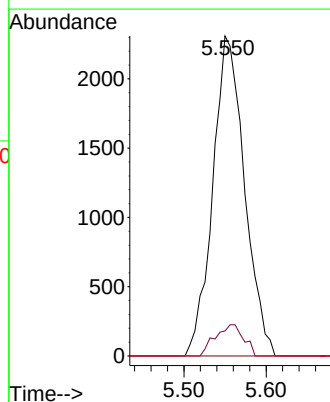
Tgt Ion: 75 Resp: 6197

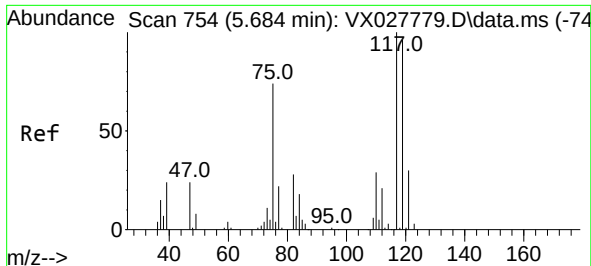
Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.8#

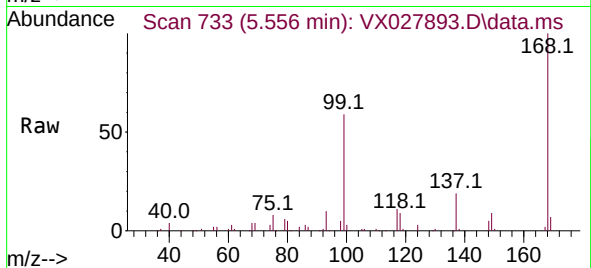
77 0.0 24.8 37.2#



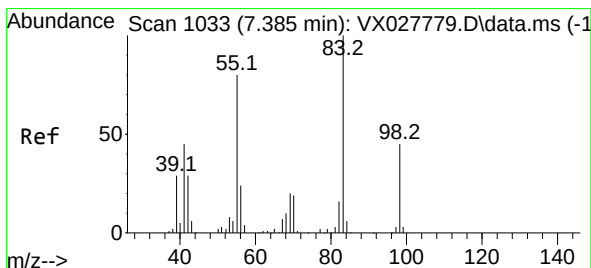
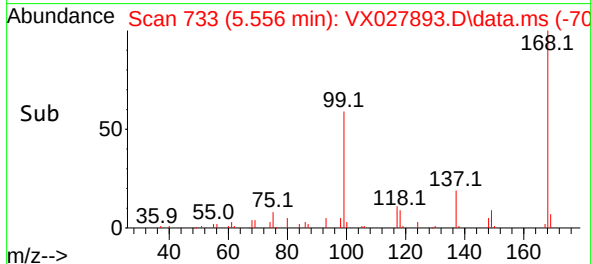
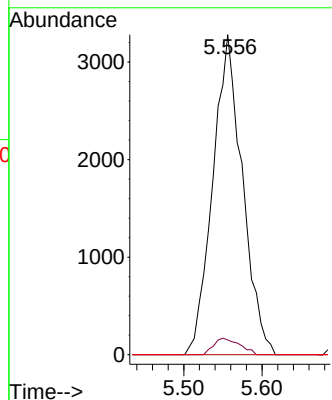


#38  
Carbon Tetrachloride  
Concen: 7.142 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.128 min  
Lab File: VX027893.D  
Acq: 01 Apr 2022 19:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE122D1-20220321

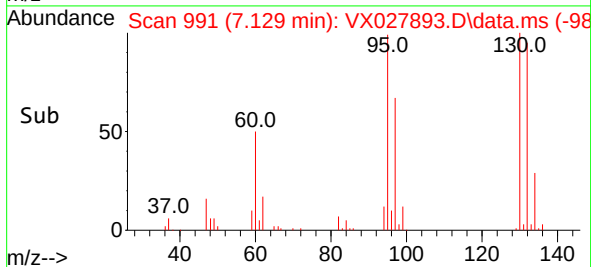
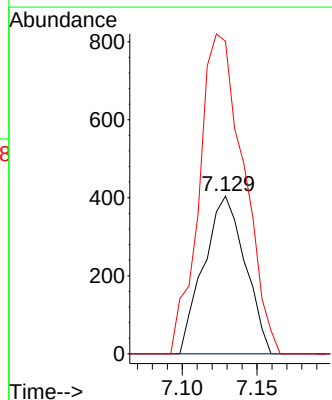
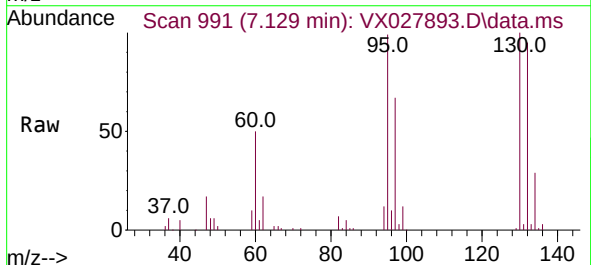


Tgt Ion:117 Resp: 8633  
Ion Ratio Lower Upper  
117 100  
119 4.6 77.3 115.9#  
121 0.0 24.2 36.2#

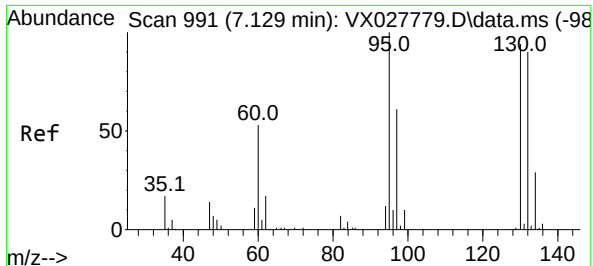


#39  
Methylcyclohexane  
Concen: 0.604 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.256 min  
Lab File: VX027893.D  
Acq: 01 Apr 2022 19:51

Tgt Ion: 83 Resp: 778  
Ion Ratio Lower Upper  
83 100  
55 0.0 54.6 81.8#  
98 198.3 37.4 56.2#

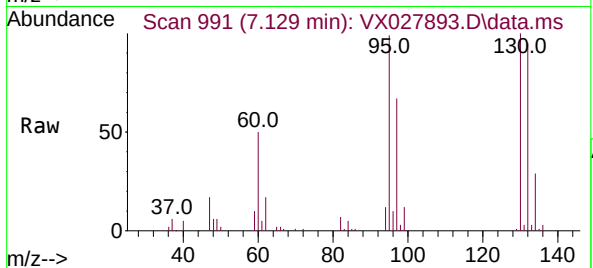




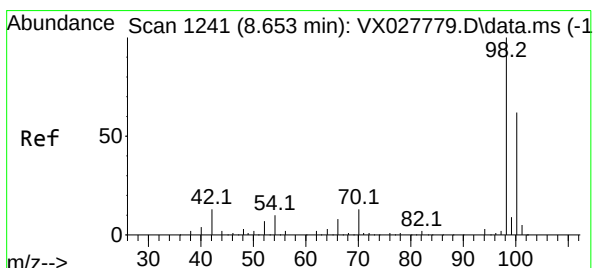
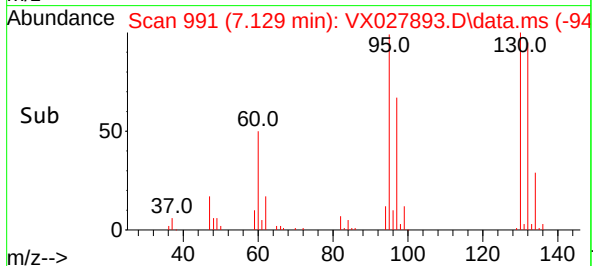
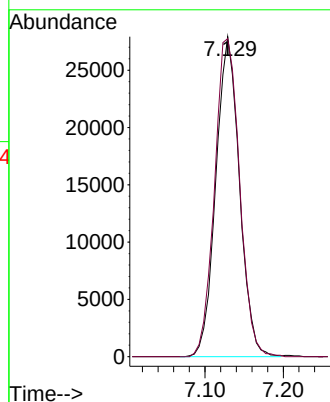


#44  
Trichloroethene  
Concen: 64.786 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX027893.D  
Acq: 01 Apr 2022 19:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE122D1-20220321

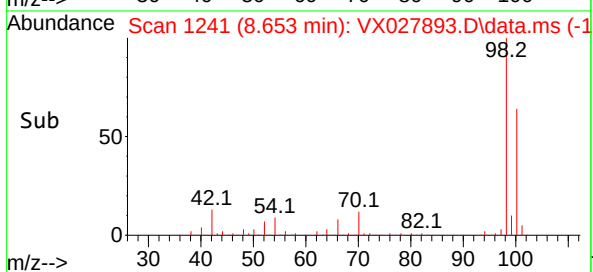
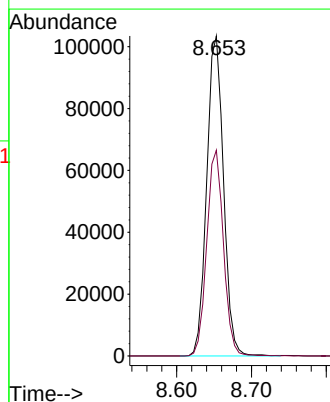
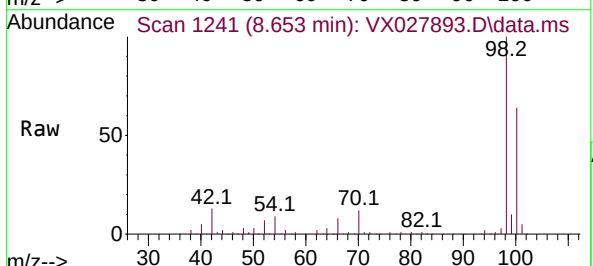


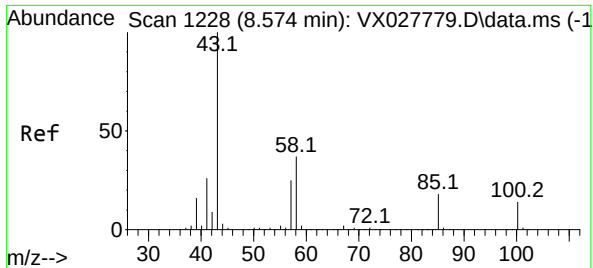
Tgt Ion:130 Resp: 58377  
Ion Ratio Lower Upper  
130 100  
95 99.4 0.0 188.8



#50  
Toluene-d8  
Concen: 52.759 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX027893.D  
Acq: 01 Apr 2022 19:51

Tgt Ion: 98 Resp: 161254  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.6 78.8

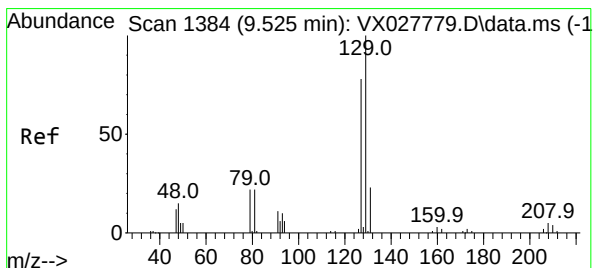
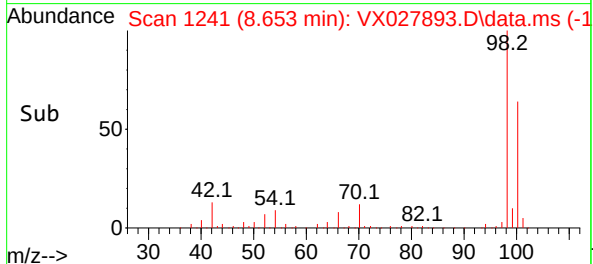
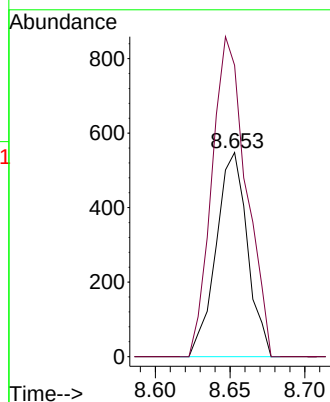
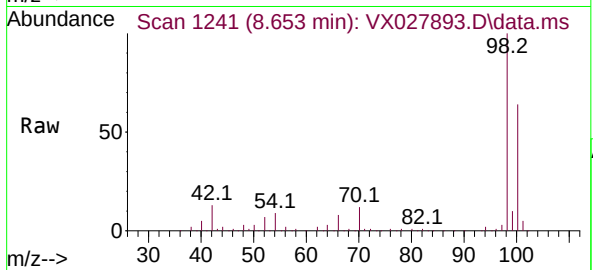




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.530 ug/l  
 RT: 8.653 min Scan# 11  
 Delta R.T. 0.079 min  
 Lab File: VX027893.D  
 Acq: 01 Apr 2022 19:51

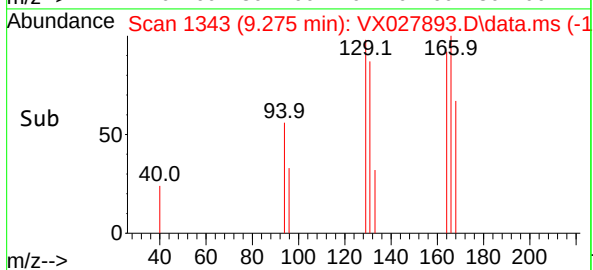
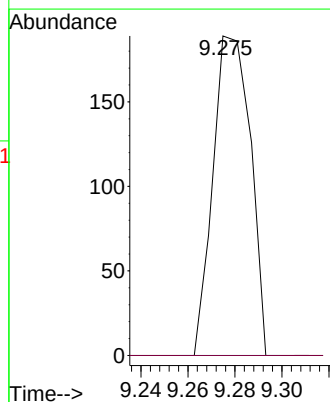
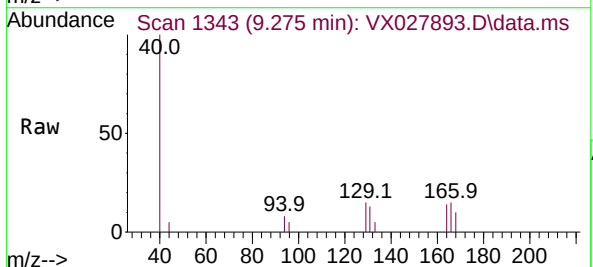
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE122D1-20220321

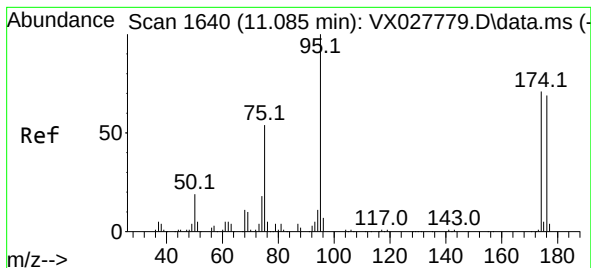
Tgt Ion: 43 Resp: 799  
 Ion Ratio Lower Upper  
 43 100  
 58 171.6 36.1 54.1#



#60  
 Dibromochloromethane  
 Concen: 0.218 ug/l  
 RT: 9.275 min Scan# 1343  
 Delta R.T. -0.250 min  
 Lab File: VX027893.D  
 Acq: 01 Apr 2022 19:51

Tgt Ion: 129 Resp: 209  
 Ion Ratio Lower Upper  
 129 100  
 127 0.0 40.3 120.8#

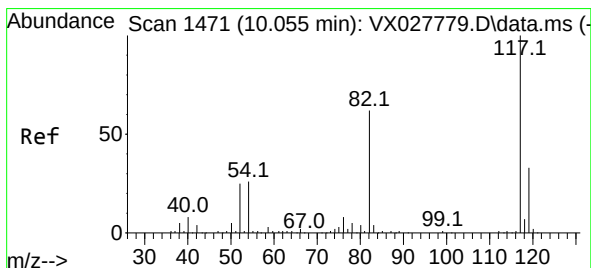
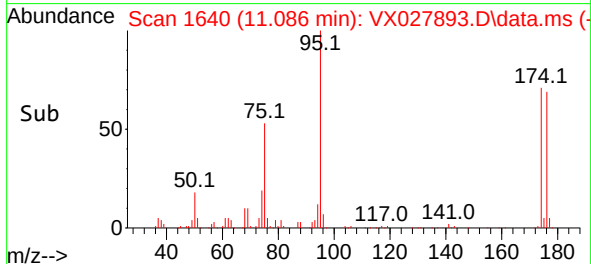
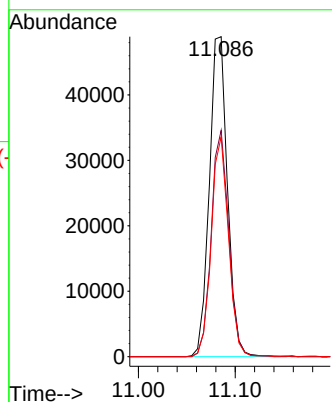
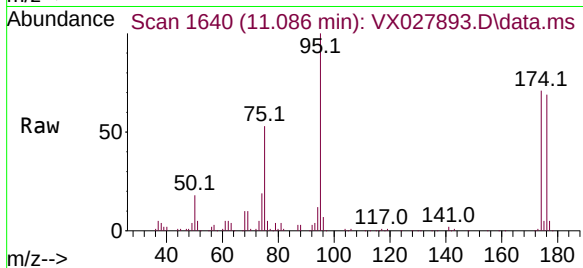




#62  
4-Bromofluorobenzene  
Concen: 49.183 ug/l  
RT: 11.086 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX027893.D  
Acq: 01 Apr 2022 19:51

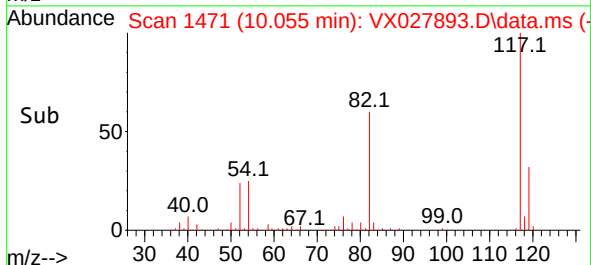
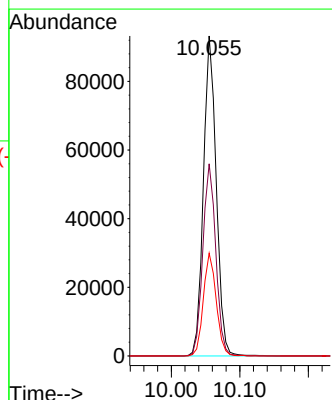
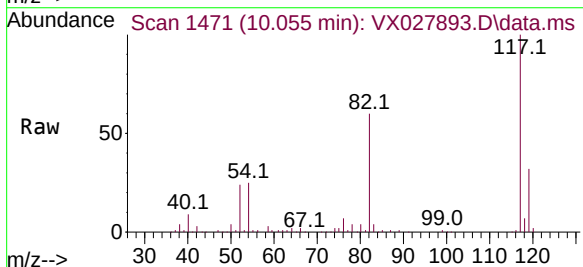
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE122D1-20220321

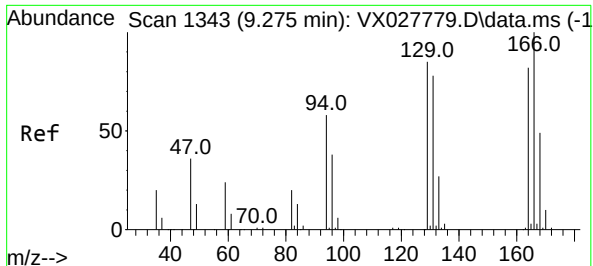
Tgt Ion: 95 Resp: 63883  
Ion Ratio Lower Upper  
95 100  
174 68.2 0.0 163.0  
176 65.1 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX027893.D  
Acq: 01 Apr 2022 19:51

Tgt Ion: 117 Resp: 121575  
Ion Ratio Lower Upper  
117 100  
82 60.1 41.8 62.8  
119 32.1 24.8 37.2

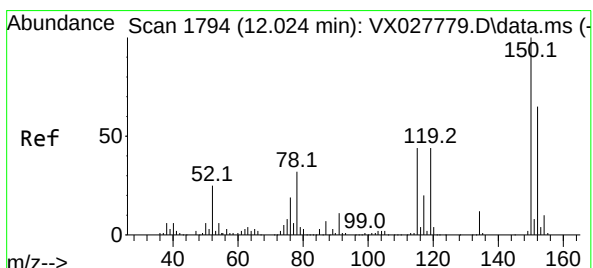
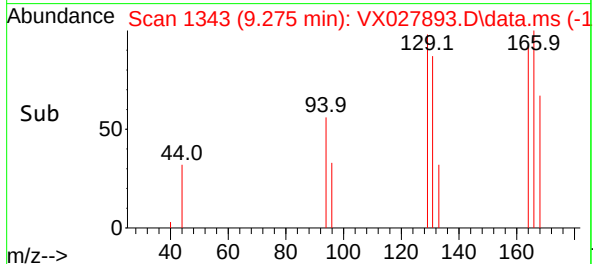
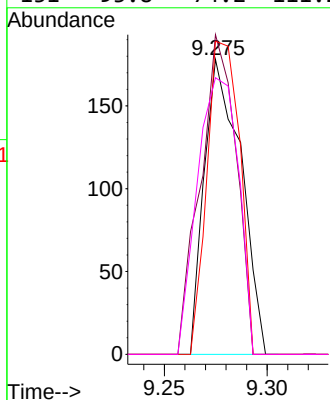
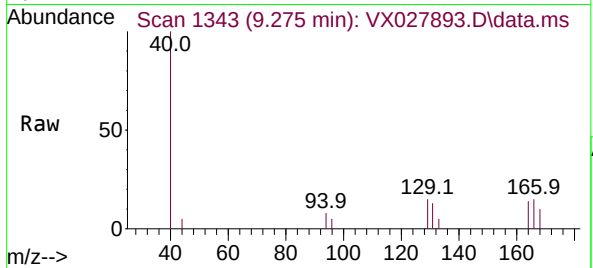




#64  
Tetrachloroethene  
Concen: 0.267 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX027893.D  
Acq: 01 Apr 2022 19:51

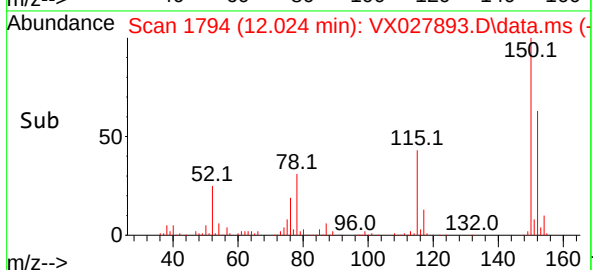
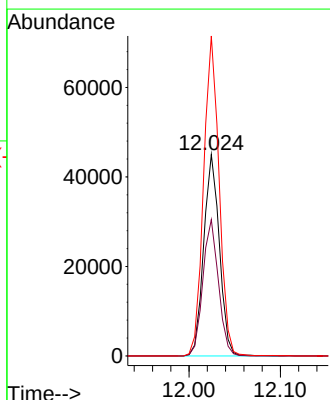
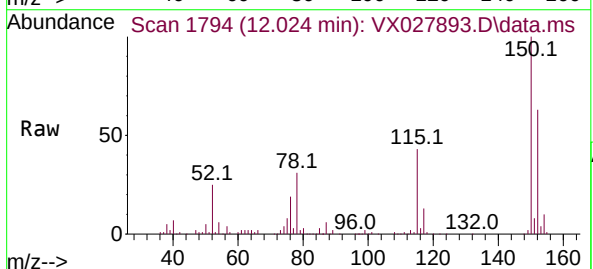
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE122D1-20220321

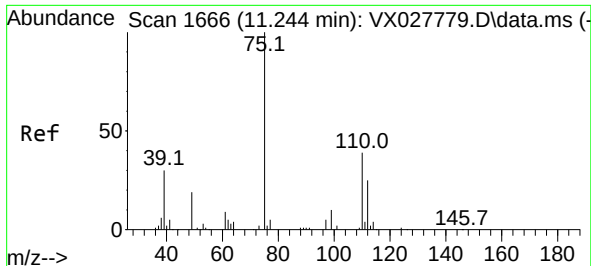
Tgt Ion:164 Resp: 220  
Ion Ratio Lower Upper  
164 100  
166 108.4 101.2 151.8  
129 106.2 73.0 109.4  
131 93.8 74.2 111.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX027893.D  
Acq: 01 Apr 2022 19:51

Tgt Ion:152 Resp: 53332  
Ion Ratio Lower Upper  
152 100  
115 67.4 37.5 112.7  
150 157.2 0.0 338.2

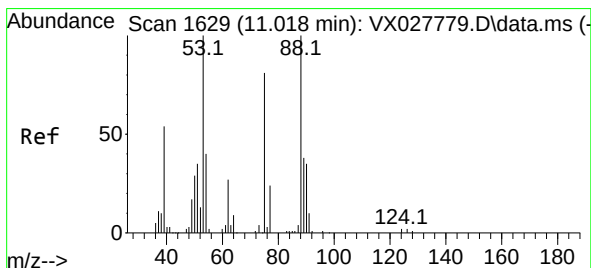
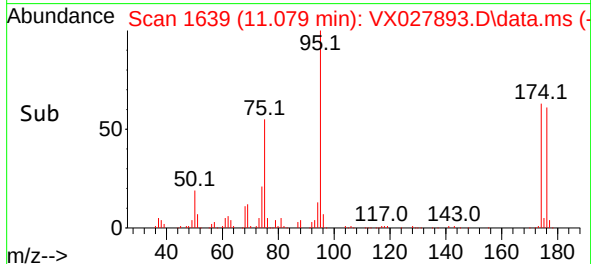
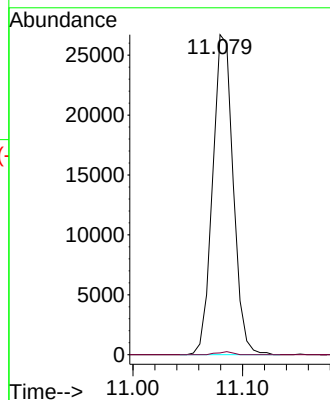
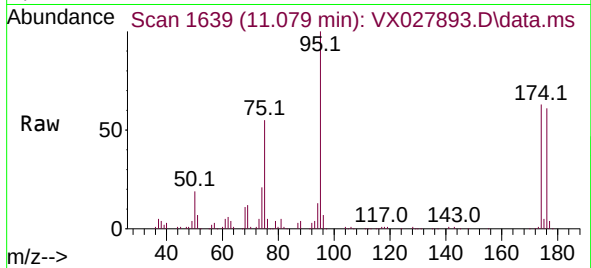




#76  
1,2,3-Trichloropropane  
Concen: 27.827 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX027893.D  
Acq: 01 Apr 2022 19:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE122D1-20220321

Tgt Ion: 75 Resp: 34814  
Ion Ratio Lower Upper  
75 100  
77 0.7 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 81.308 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX027893.D  
Acq: 01 Apr 2022 19:51

Tgt Ion: 75 Resp: 34814  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#

