

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031922\  
 Data File : VX027558.D  
 Acq On : 19 Mar 2022 14:23  
 Operator : JC/MD  
 Sample : N2000-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE-132D6-20220315

Quant Time: Mar 21 01:21:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031722W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 17 15:02:59 2022  
 Response via : Initial Calibration

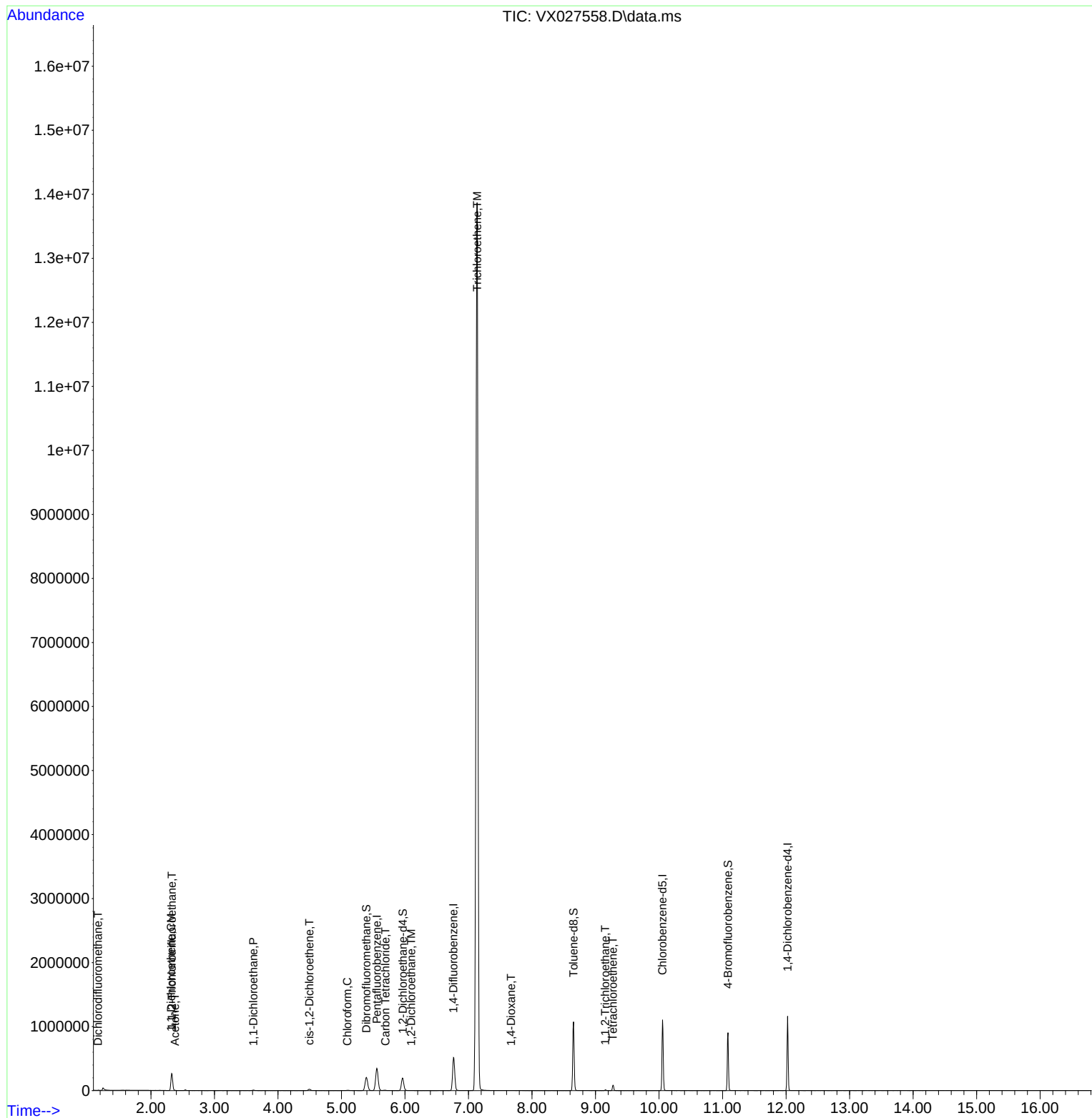
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.556  | 168   | 351550   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763  | 114   | 579665   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 536761   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 252926   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964  | 65    | 190225   | 43.924   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | =      | 87.840%  |
| 35) Dibromofluoromethane     | 5.391  | 113   | 185061   | 49.621   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | =      | 99.240%  |
| 50) Toluene-d8               | 8.653  | 98    | 675167   | 47.841   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | =      | 95.680%  |
| 62) 4-Bromofluorobenzene     | 11.085 | 95    | 245915   | 47.408   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | =      | 94.820%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 1103     | 0.327    | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 86690    | 25.480   | ug/l   | 92       |
| 12) 1,1-Dichloroethene       | 2.318  | 96    | 27179    | 8.326    | ug/l   | 94       |
| 16) Acetone                  | 2.379  | 43    | 3133     | 1.775    | ug/l   | 94       |
| 24) 1,1-Dichloroethane       | 3.611  | 63    | 9189     | 1.515    | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.495  | 96    | 15099    | 3.739    | ug/l   | 85       |
| 30) Chloroform               | 5.092  | 83    | 6460     | 0.965    | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.690  | 117   | 6001     | 1.029    | ug/l   | 97       |
| 42) 1,2-Dichloroethane       | 6.098  | 62    | 1495     | 0.273    | ug/l   | 100      |
| 44) Trichloroethene          | 7.135  | 130   | 5968084  | 1344.583 | ug/l   | 100      |
| 49) 1,4-Dioxane              | 7.671  | 88    | 1734     | 16.691   | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane    | 9.152  | 97    | 3860     | 0.968    | ug/l   | 91       |
| 64) Tetrachloroethene        | 9.274  | 164   | 17982    | 4.309    | ug/l   | 97       |
| -----                        |        |       |          |          |        |          |

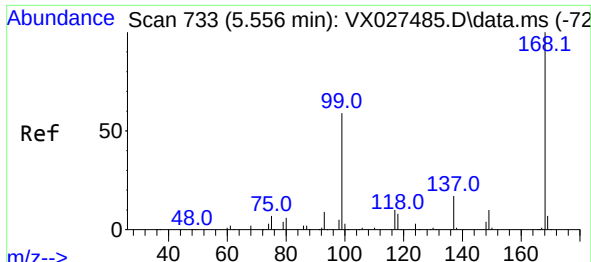
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031922\  
Data File : VX027558.D  
Acq On : 19 Mar 2022 14:23  
Operator : JC/MD  
Sample : N2000-05  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-132D6-20220315

Quant Time: Mar 21 01:21:54 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031722W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 17 15:02:59 2022  
Response via : Initial Calibration

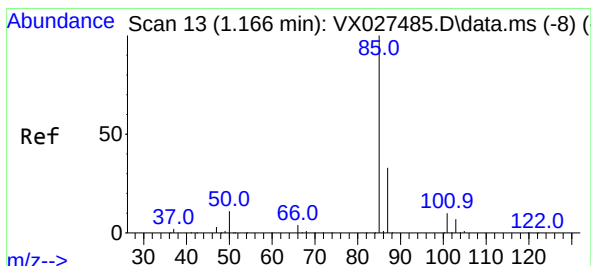
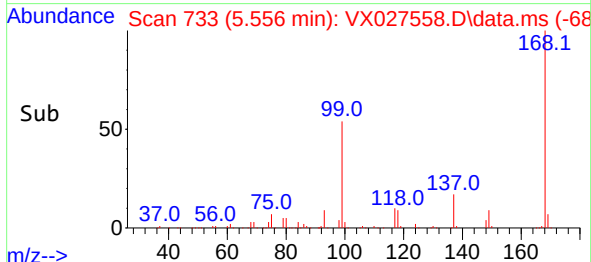
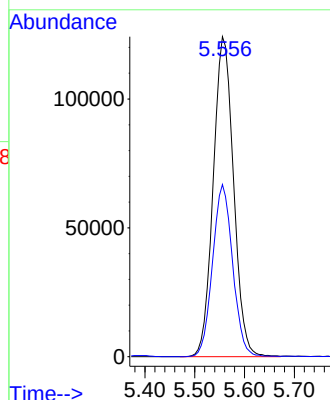
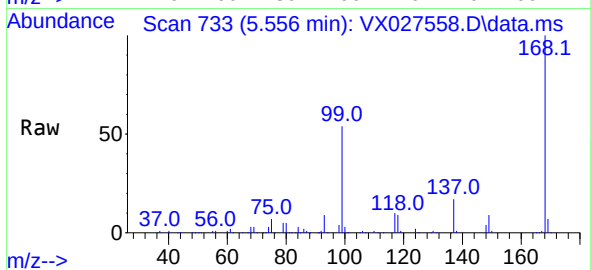




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX027558.D  
Acq: 19 Mar 2022 14:23

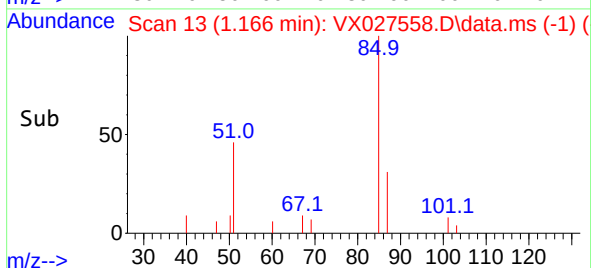
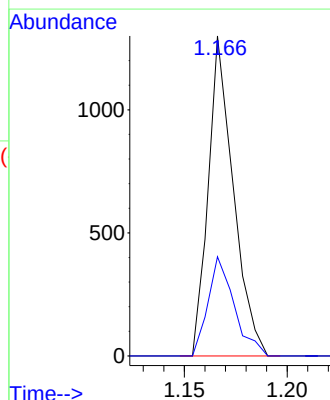
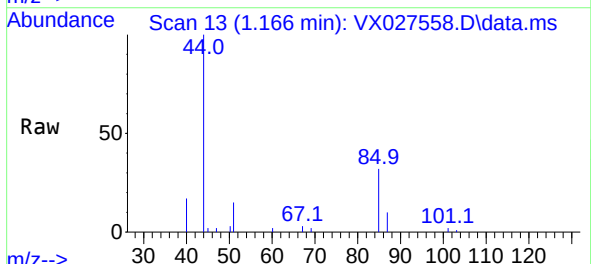
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-132D6-20220315

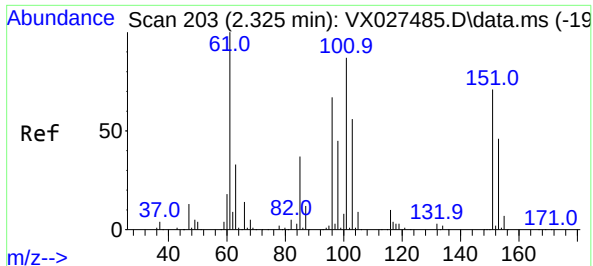
Tgt Ion:168 Resp: 351550  
Ion Ratio Lower Upper  
168 100  
99 53.8 41.7 62.5



#2  
Dichlorodifluoromethane  
Concen: 0.327 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX027558.D  
Acq: 19 Mar 2022 14:23

Tgt Ion: 85 Resp: 1103  
Ion Ratio Lower Upper  
85 100  
87 31.0 16.2 48.6

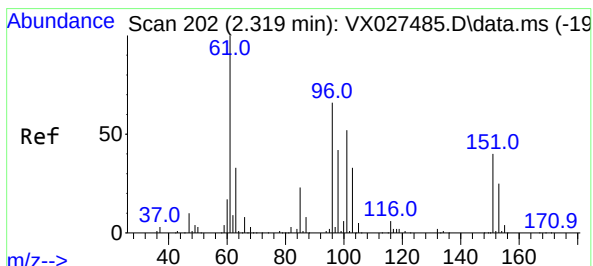
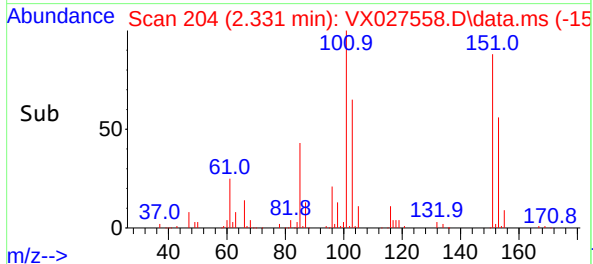
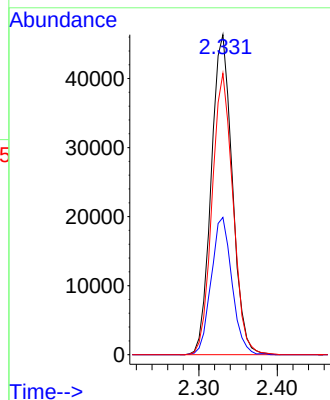
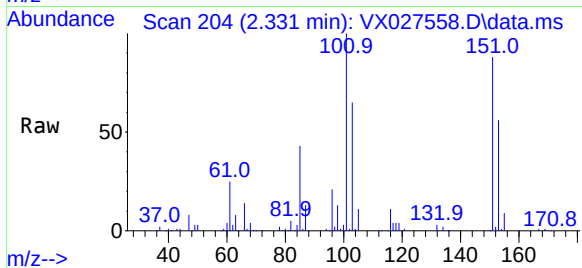




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 25.480 ug/l  
RT: 2.331 min Scan# 203  
Delta R.T. 0.006 min  
Lab File: VX027558.D  
Acq: 19 Mar 2022 14:23

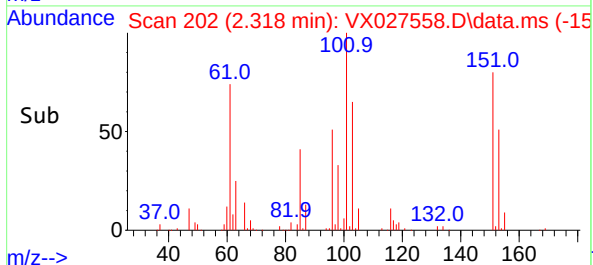
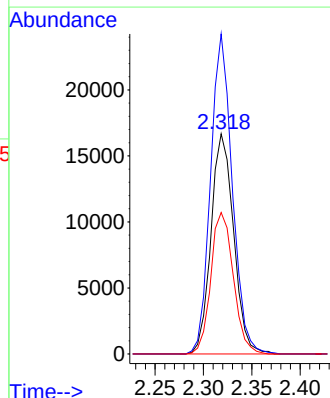
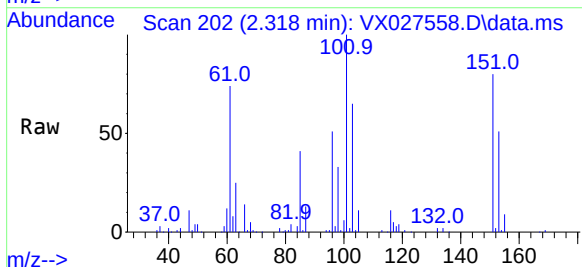
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-132D6-20220315

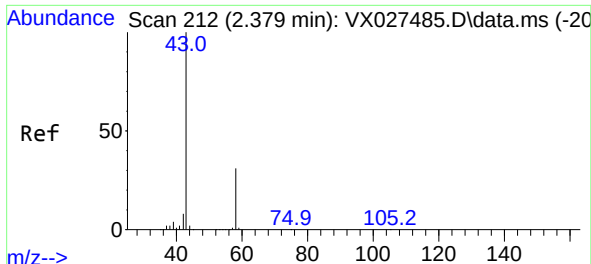
Tgt Ion:101 Resp: 86690  
Ion Ratio Lower Upper  
101 100  
85 42.3 33.5 50.3  
151 87.0 61.8 92.6



#12  
1,1-Dichloroethene  
Concen: 8.326 ug/l  
RT: 2.318 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VX027558.D  
Acq: 19 Mar 2022 14:23

Tgt Ion: 96 Resp: 27179  
Ion Ratio Lower Upper  
96 100  
61 145.4 124.6 187.0  
98 64.3 51.0 76.4

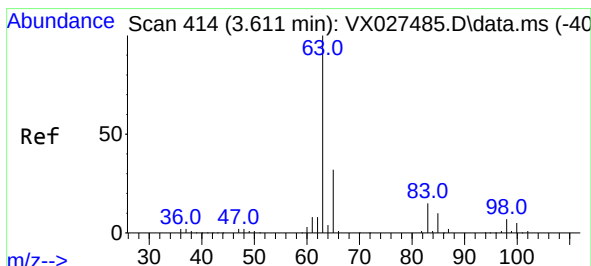
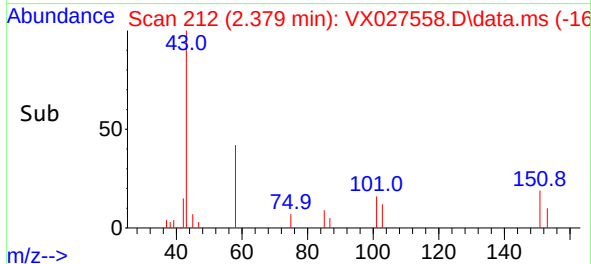
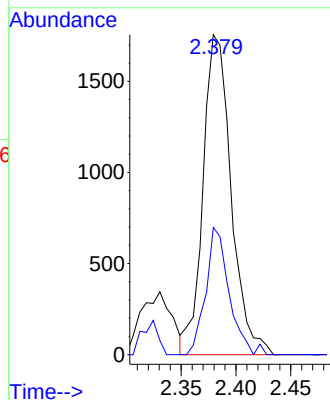
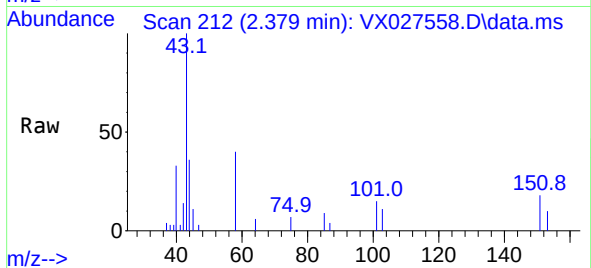




#16  
Acetone  
Concen: 1.775 ug/l  
RT: 2.379 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX027558.D  
Acq: 19 Mar 2022 14:23

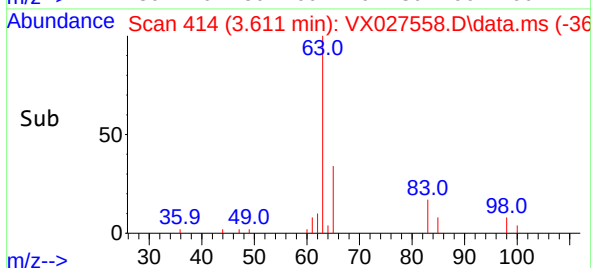
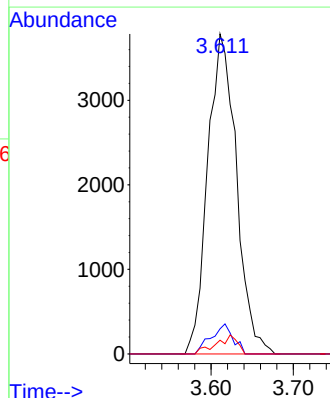
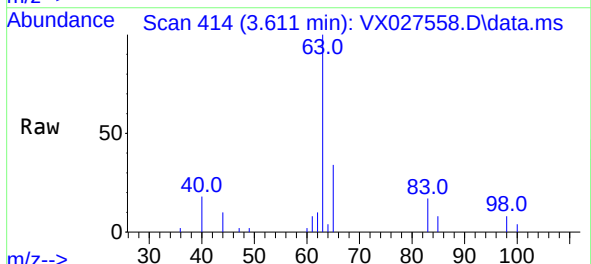
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-132D6-20220315

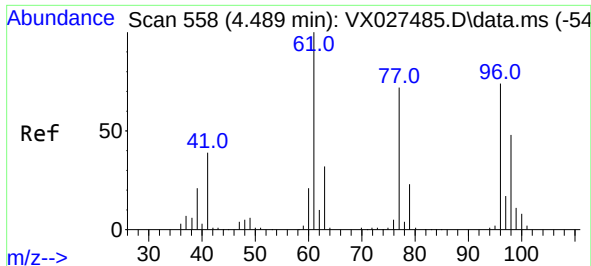
Tgt Ion: 43 Resp: 3133  
Ion Ratio Lower Upper  
43 100  
58 39.7 28.8 43.2



#24  
1,1-Dichloroethane  
Concen: 1.515 ug/l  
RT: 3.611 min Scan# 414  
Delta R.T. -0.000 min  
Lab File: VX027558.D  
Acq: 19 Mar 2022 14:23

Tgt Ion: 63 Resp: 9189  
Ion Ratio Lower Upper  
63 100  
98 7.8 3.9 11.7  
100 4.3 2.4 7.2





#27

cis-1,2-Dichloroethene

Concen: 3.739 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX027558.D

Acq: 19 Mar 2022 14:23

Instrument :

MSVOA\_X

ClientSampleId :

RE-132D6-20220315

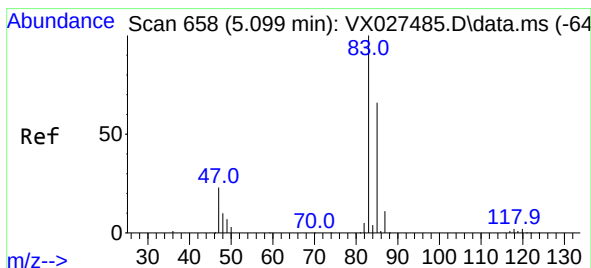
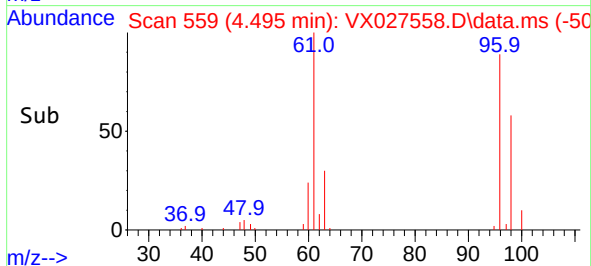
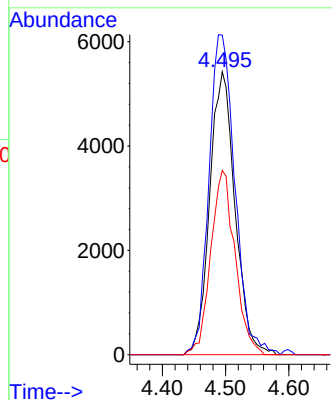
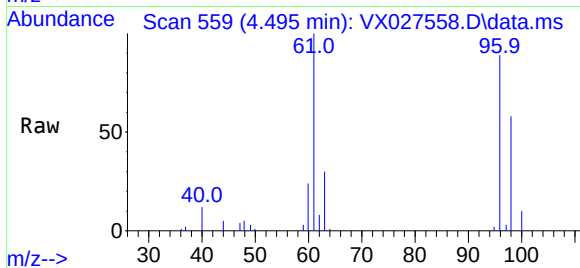
Tgt Ion: 96 Resp: 15099

Ion Ratio Lower Upper

96 100

61 116.1 0.0 283.8

98 62.4 0.0 129.8



#30

Chloroform

Concen: 0.965 ug/l

RT: 5.092 min Scan# 657

Delta R.T. -0.006 min

Lab File: VX027558.D

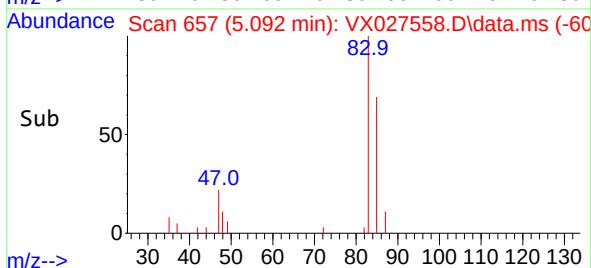
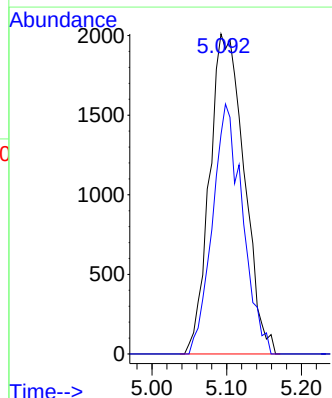
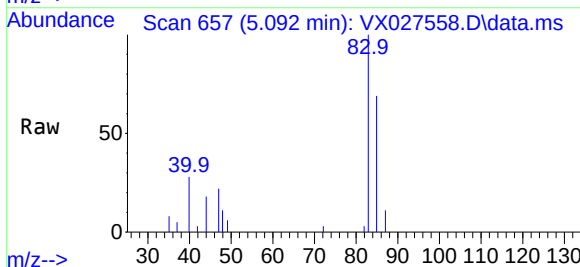
Acq: 19 Mar 2022 14:23

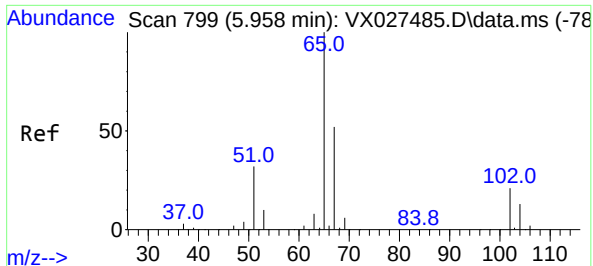
Tgt Ion: 83 Resp: 6460

Ion Ratio Lower Upper

83 100

85 68.6 52.7 79.1





#33

1,2-Dichloroethane-d4

Concen: 43.924 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX027558.D

Acq: 19 Mar 2022 14:23

Instrument :

MSVOA\_X

ClientSampleId :

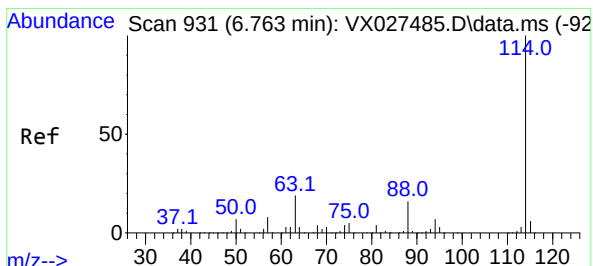
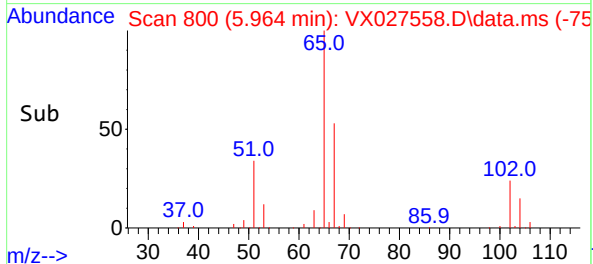
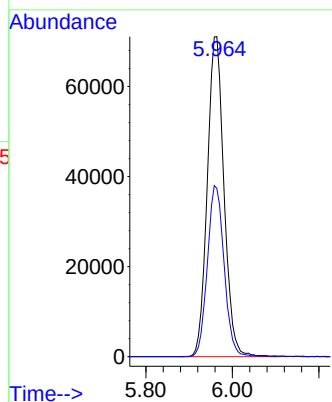
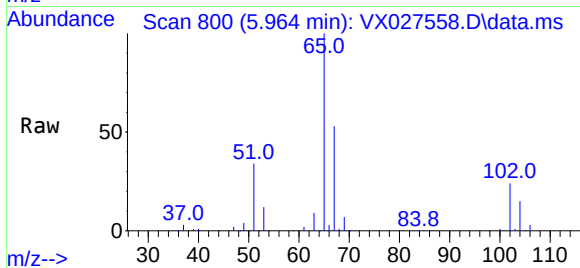
RE-132D6-20220315

Tgt Ion: 65 Resp: 190225

Ion Ratio Lower Upper

65 100

67 53.5 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: VX027558.D

Acq: 19 Mar 2022 14:23

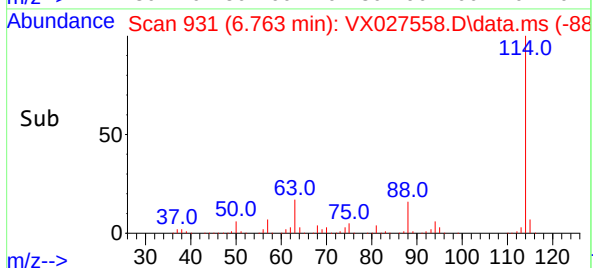
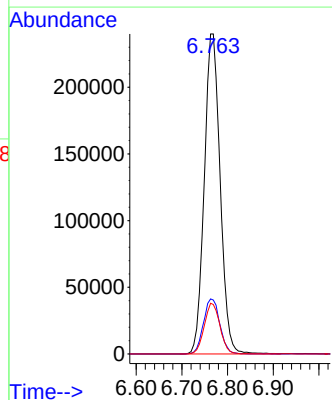
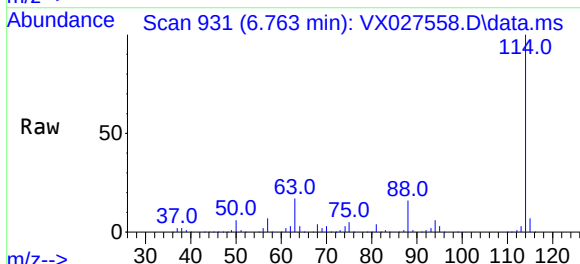
Tgt Ion: 114 Resp: 579665

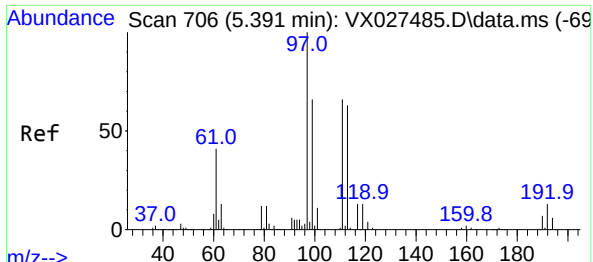
Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.8

88 15.8 0.0 32.4



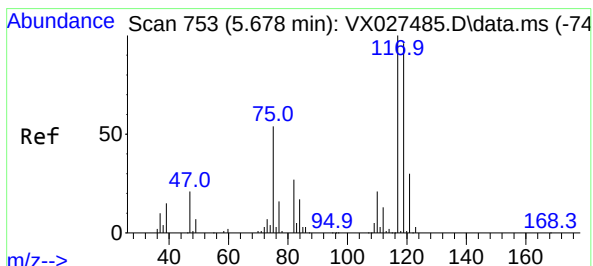
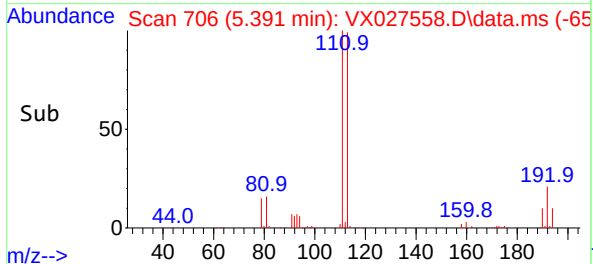
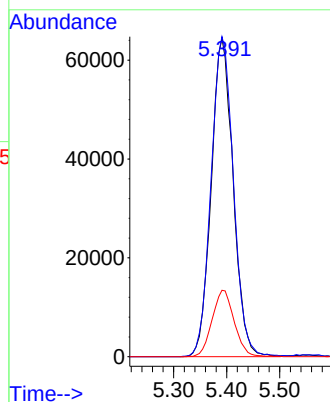
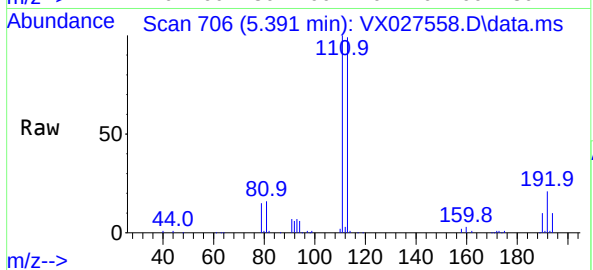


#35  
Dibromofluoromethane  
Concen: 49.621 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. -0.000 min  
Lab File: VX027558.D  
Acq: 19 Mar 2022 14:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-132D6-20220315

Tgt Ion:113 Resp: 185061

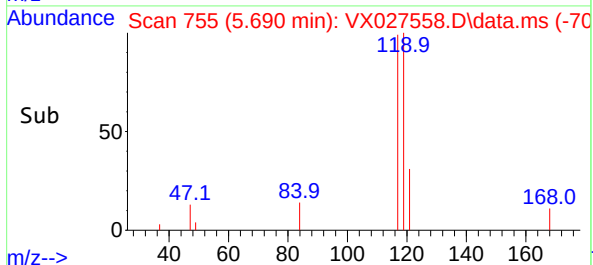
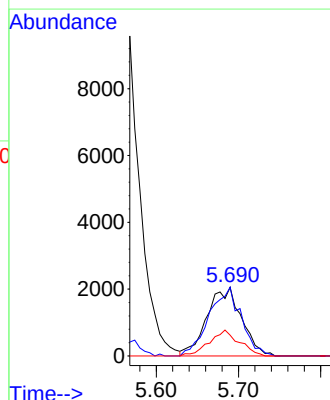
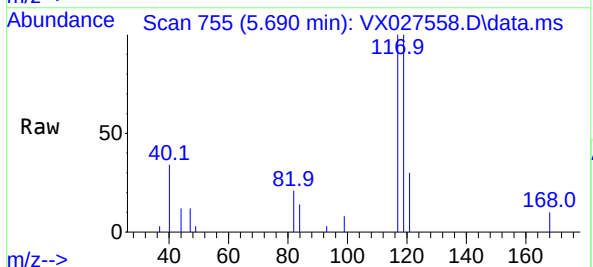
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.7 | 82.8  | 124.2 |
| 192 | 21.1  | 16.9  | 25.3  |



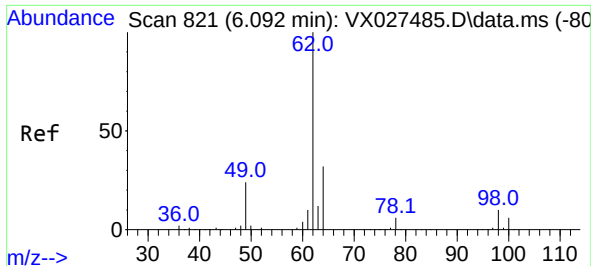
#38  
Carbon Tetrachloride  
Concen: 1.029 ug/l  
RT: 5.690 min Scan# 755  
Delta R.T. 0.012 min  
Lab File: VX027558.D  
Acq: 19 Mar 2022 14:23

Tgt Ion:117 Resp: 6001

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 100.0 | 77.3  | 115.9 |
| 121 | 30.3  | 24.2  | 36.2  |







#42

1,2-Dichloroethane

Concen: 0.273 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX027558.D

Acq: 19 Mar 2022 14:23

Instrument :

MSVOA\_X

ClientSampleId :

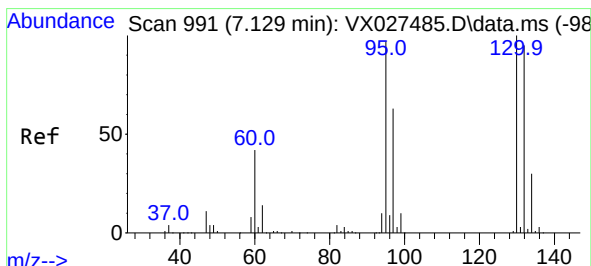
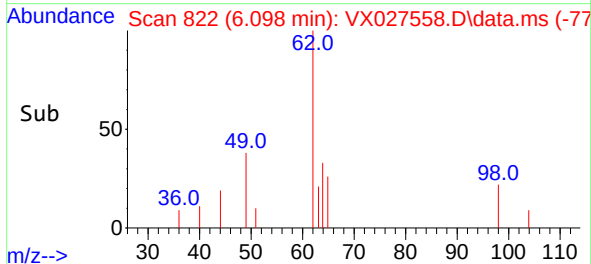
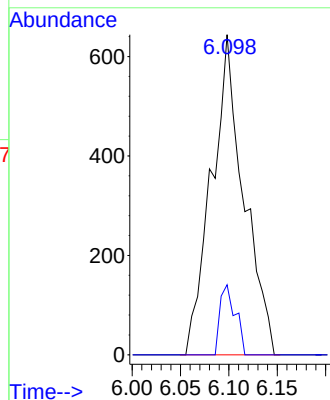
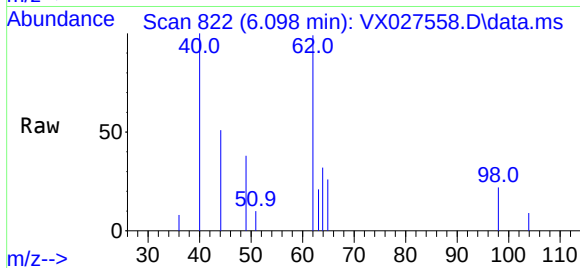
RE-132D6-20220315

Tgt Ion: 62 Resp: 1495

Ion Ratio Lower Upper

62 100

98 10.3 0.0 20.4



#44

Trichloroethene

Concen: 1344.583 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX027558.D

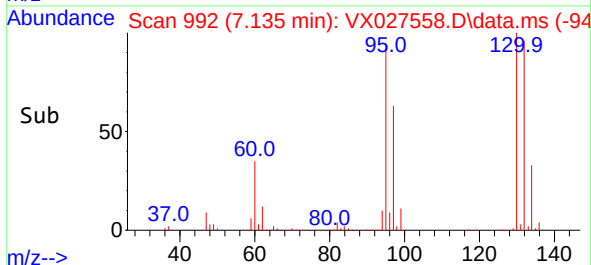
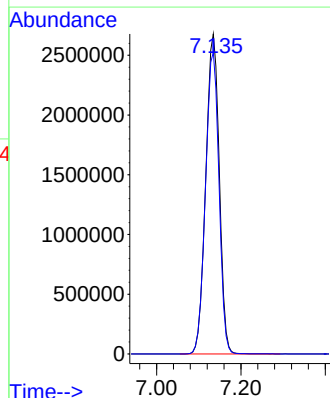
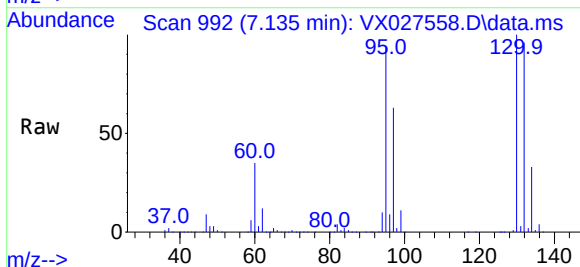
Acq: 19 Mar 2022 14:23

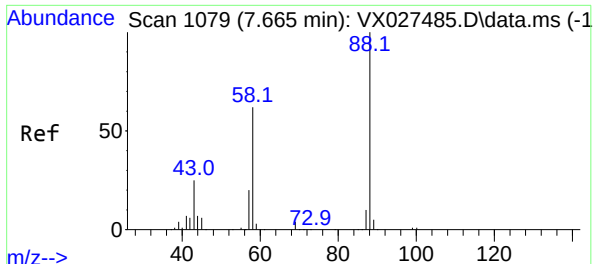
Tgt Ion:130 Resp: 5968084

Ion Ratio Lower Upper

130 100

95 94.3 0.0 188.8





#49

1,4-Dioxane

Concen: 16.691 ug/l

RT: 7.671 min Scan# 1079

Delta R.T. 0.006 min

Lab File: VX027558.D

Acq: 19 Mar 2022 14:23

Instrument :

MSVOA\_X

ClientSampleId :

RE-132D6-20220315

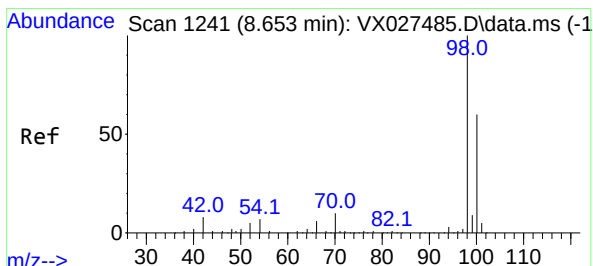
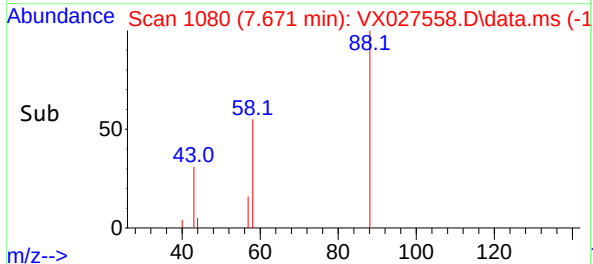
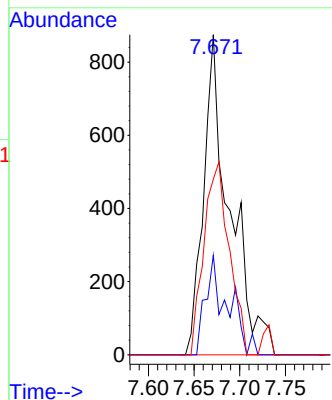
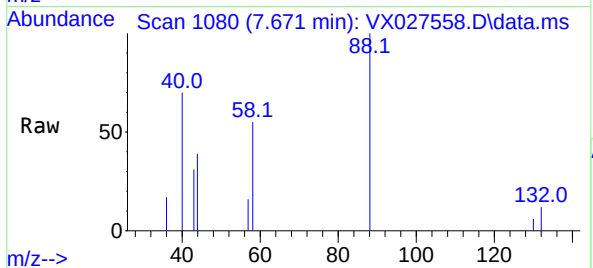
Tgt Ion: 88 Resp: 1734

Ion Ratio Lower Upper

88 100

43 26.4 21.9 32.9

58 58.4 53.7 80.5



#50

Toluene-d8

Concen: 47.841 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027558.D

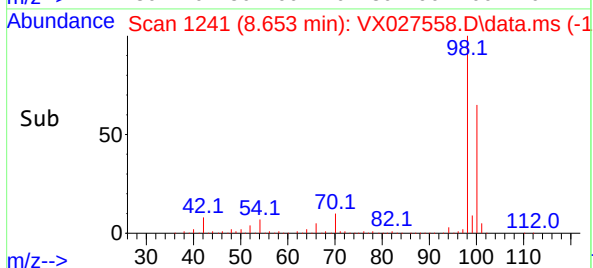
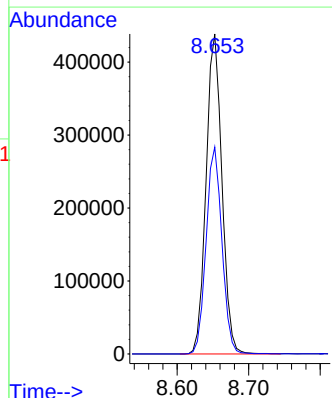
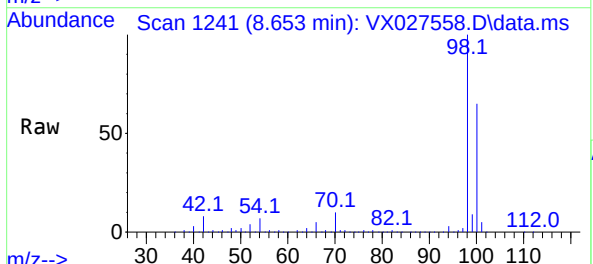
Acq: 19 Mar 2022 14:23

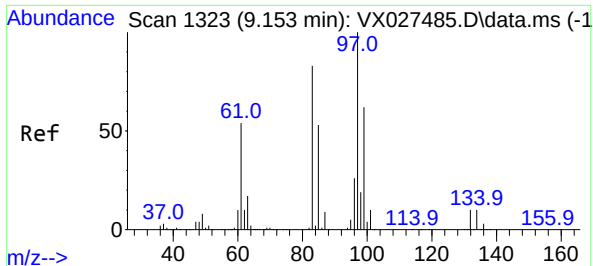
Tgt Ion: 98 Resp: 675167

Ion Ratio Lower Upper

98 100

100 64.5 52.6 78.8



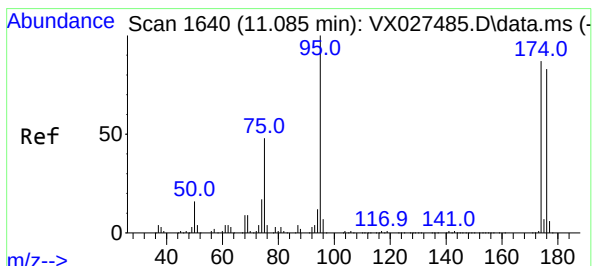
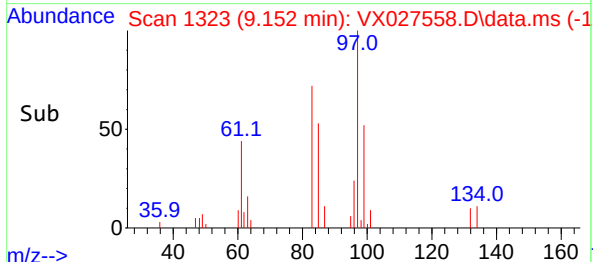
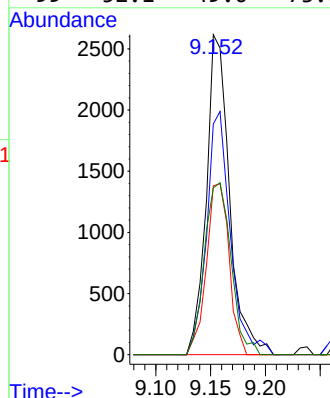
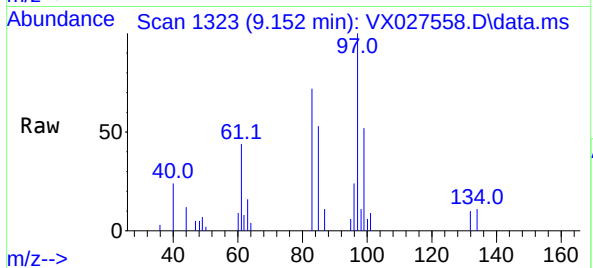


#55  
1,1,2-Trichloroethane  
Concen: 0.968 ug/l  
RT: 9.152 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX027558.D  
Acq: 19 Mar 2022 14:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-132D6-20220315

Tgt Ion: 97 Resp: 3860

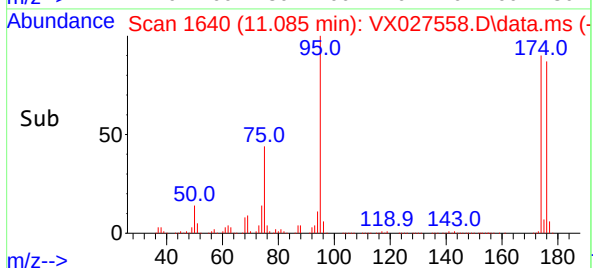
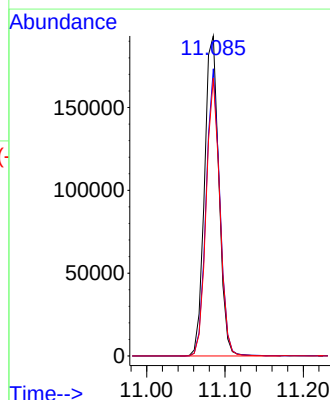
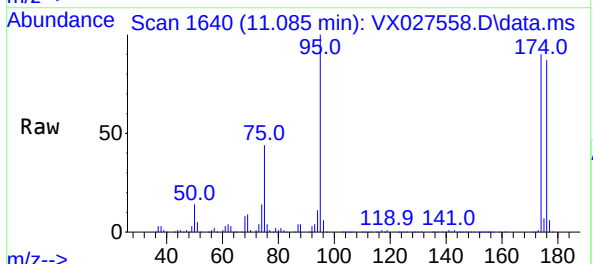
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 72.1  | 66.2  | 99.4  |
| 85  | 52.8  | 42.9  | 64.3  |
| 99  | 52.1  | 49.0  | 73.6  |

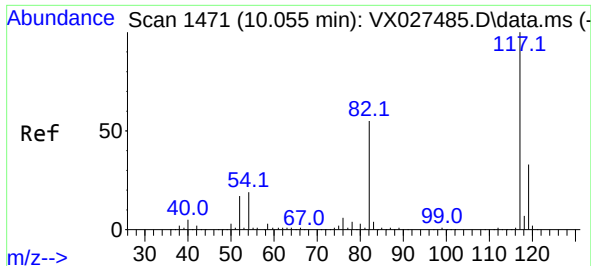


#62  
4-Bromofluorobenzene  
Concen: 47.408 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.000 min  
Lab File: VX027558.D  
Acq: 19 Mar 2022 14:23

Tgt Ion: 95 Resp: 245915

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 85.2  | 0.0   | 163.0 |
| 176 | 82.3  | 0.0   | 155.0 |

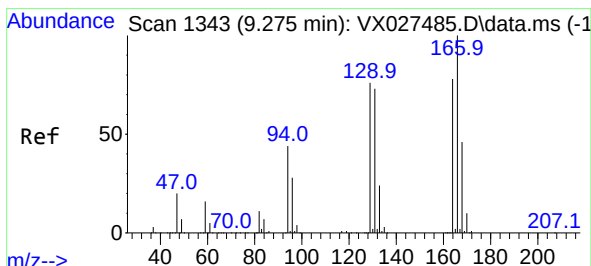
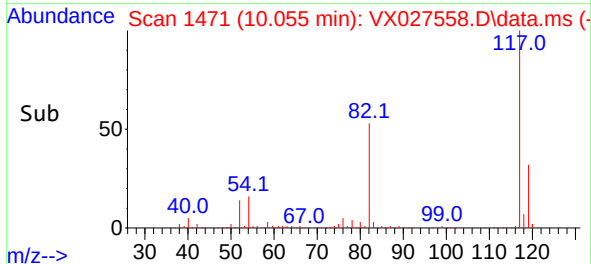
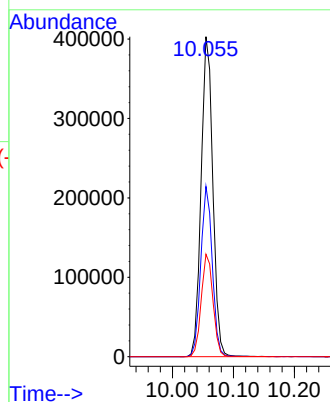
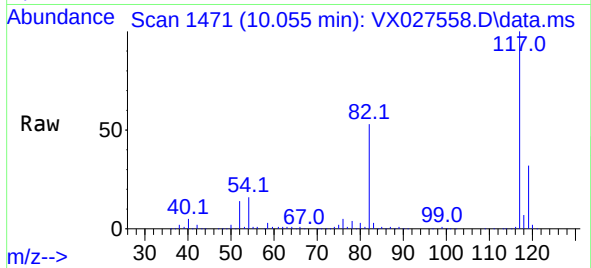




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX027558.D  
Acq: 19 Mar 2022 14:23

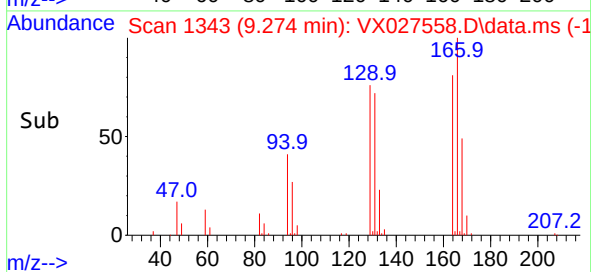
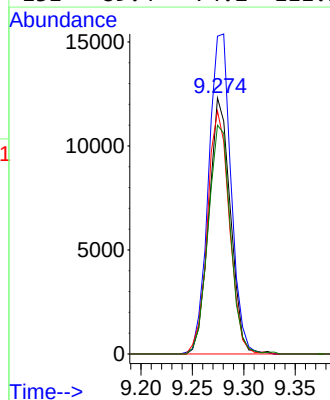
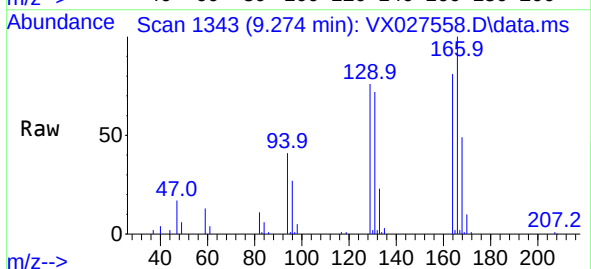
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-132D6-20220315

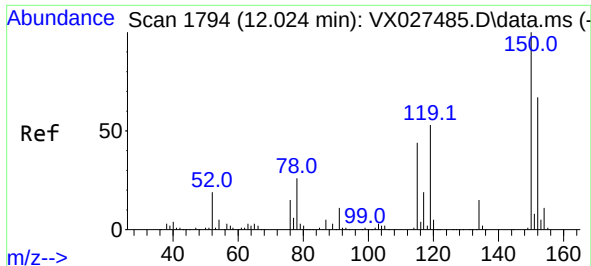
Tgt Ion:117 Resp: 536761  
Ion Ratio Lower Upper  
117 100  
82 53.2 41.8 62.8  
119 32.0 24.8 37.2



#64  
Tetrachloroethene  
Concen: 4.309 ug/l  
RT: 9.274 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX027558.D  
Acq: 19 Mar 2022 14:23

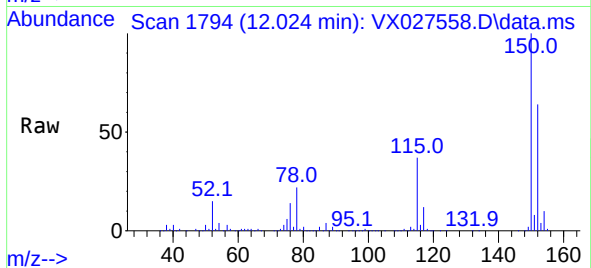
Tgt Ion:164 Resp: 17982  
Ion Ratio Lower Upper  
164 100  
166 124.2 101.2 151.8  
129 94.9 73.0 109.4  
131 89.4 74.2 111.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX027558.D  
 Acq: 19 Mar 2022 14:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE-132D6-20220315



Tgt Ion:152 Resp: 252926  
 Ion Ratio Lower Upper  
 152 100  
 115 57.8 37.5 112.7  
 150 156.4 0.0 338.2

