

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032121\  
 Data File : VX021326.D  
 Acq On : 20 Mar 2021 05:06  
 Operator : JC/MD  
 Sample : M1735-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE134D1-20210315

Quant Time: Mar 20 07:55:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 16 14:00:21 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 5.635  | 168  | 78172    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.829  | 114  | 130879   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.094 | 117  | 112386   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.059 | 152  | 45680    | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 6.029  | 65    | 62425    | 48.69    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 97.38%  |
| 35) Dibromofluoromethane    | 5.464  | 113   | 44586    | 50.06    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 100.12% |
| 50) Toluene-d8              | 8.694  | 98    | 158072   | 48.92    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 97.84%  |
| 62) 4-Bromofluorobenzene    | 11.118 | 95    | 55991    | 44.62    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 89.24%  |

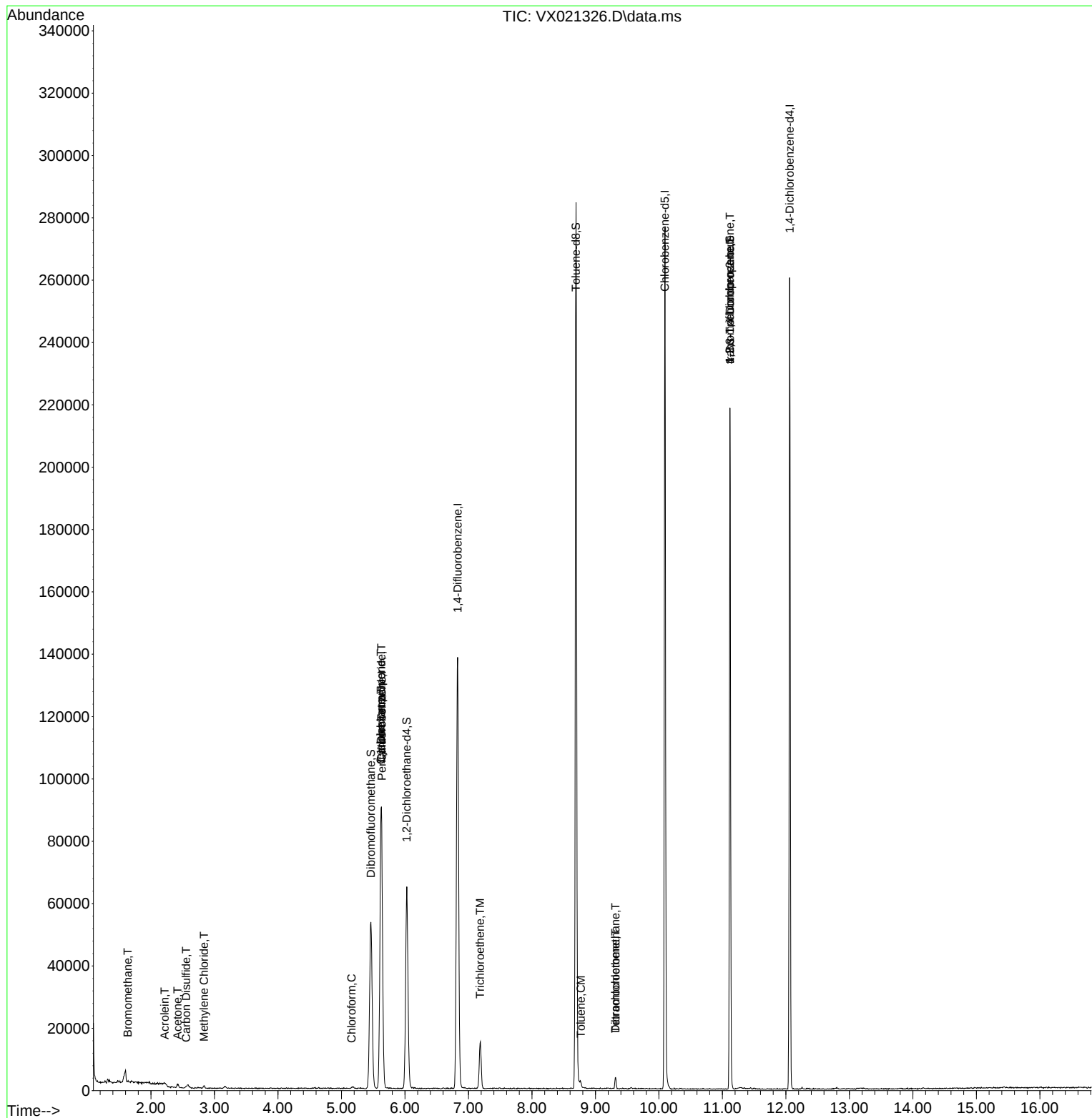
| Target Compounds              |        |     |       |            | Qvalue |
|-------------------------------|--------|-----|-------|------------|--------|
| 3) Chloromethane              | 1.317  | 50  | 1343  | Below Cal  | # 72   |
| 5) Bromomethane               | 1.634  | 94  | 119   | 0.29 ug/l  | # 54   |
| 13) Acrolein                  | 2.217  | 56  | 18    | 3.26 ug/l  | # 37   |
| 16) Acetone                   | 2.417  | 43  | 1411  | 2.99 ug/l  | # 88   |
| 17) Carbon Disulfide          | 2.552  | 76  | 365   | 0.69 ug/l  | # 75   |
| 20) Methylene Chloride        | 2.834  | 84  | 254   | 0.26 ug/l  | # 82   |
| 30) Chloroform                | 5.158  | 83  | 620   | 0.35 ug/l  | # 75   |
| 31) Cyclohexane               | 5.623  | 56  | 2182  | 1.41 ug/l  | # 36   |
| 36) 1,1-Dichloropropene       | 5.623  | 75  | 7524  | 5.71 ug/l  | # 49   |
| 38) Carbon Tetrachloride      | 5.629  | 117 | 8782  | 6.41 ug/l  | # 16   |
| 44) Trichloroethene           | 7.182  | 130 | 5138  | 5.32 ug/l  | # 95   |
| 49) 1,4-Dioxane               | 7.717  | 88  | 46    | Below Cal  | # 8    |
| 52) Toluene                   | 8.770  | 92  | 537   | 0.24 ug/l  | # 97   |
| 60) Dibromochloromethane      | 9.318  | 129 | 611   | 0.58 ug/l  | # 11   |
| 64) Tetrachloroethene         | 9.318  | 164 | 600   | 0.71 ug/l  | # 86   |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75  | 31138 | 29.39 ug/l | # 39   |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75  | 31138 | 79.78 ug/l | # 12   |

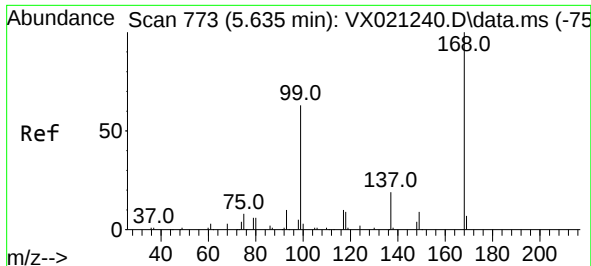
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032121\  
Data File : VX021326.D  
Acq On : 20 Mar 2021 05:06  
Operator : JC/MD  
Sample : M1735-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D1-20210315

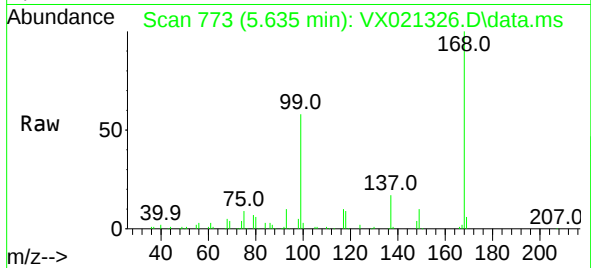
Quant Time: Mar 20 07:55:42 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 16 14:00:21 2021  
Response via : Initial Calibration



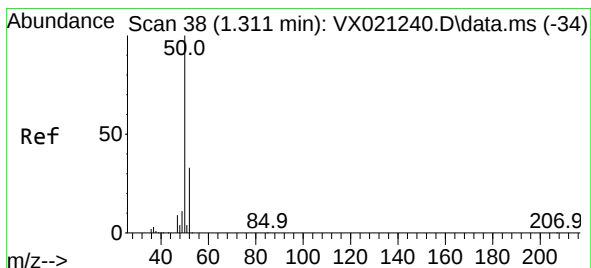
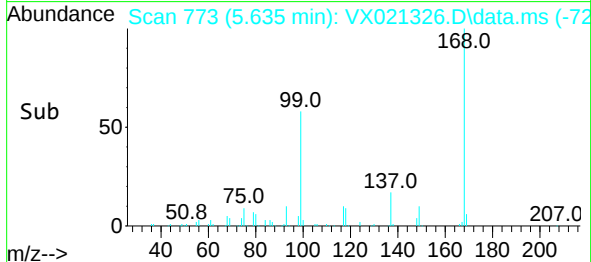
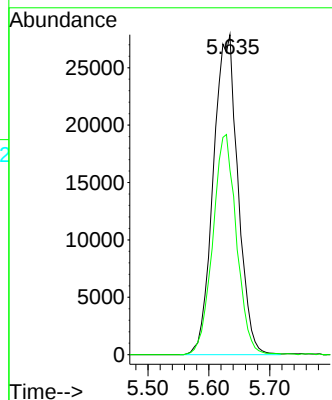


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.635 min Scan# 773  
Delta R.T. -0.000 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D1-20210315

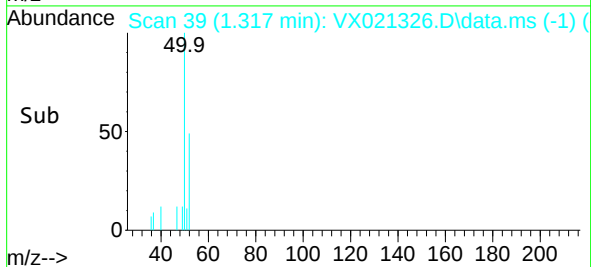
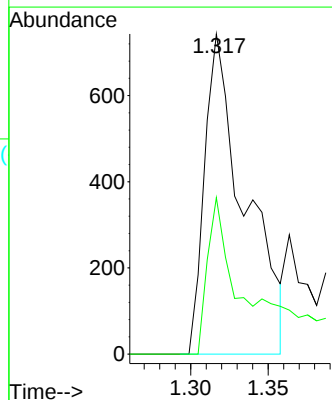
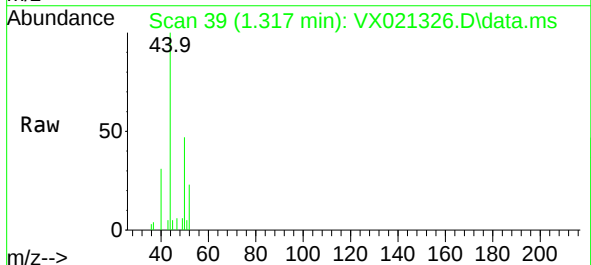


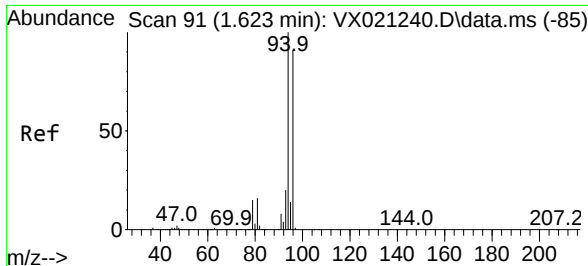
Tgt Ion:168 Resp: 78172  
Ion Ratio Lower Upper  
168 100  
99 57.7 45.8 68.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.317 min Scan# 39  
Delta R.T. 0.006 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

Tgt Ion: 50 Resp: 1343  
Ion Ratio Lower Upper  
50 100  
52 48.9 26.4 39.6#

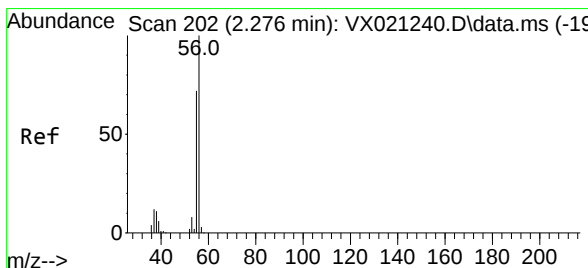
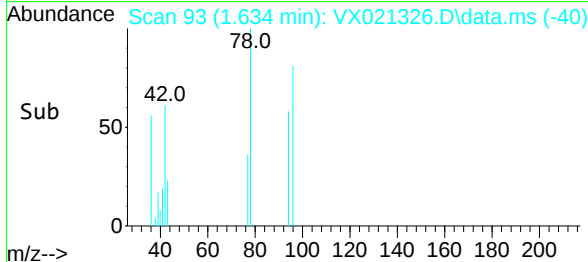
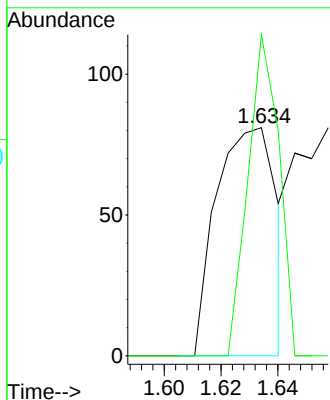
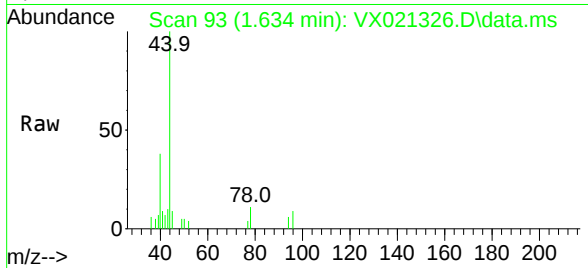




#5  
Bromomethane  
Concen: 0.29 ug/l  
RT: 1.634 min Scan# 93  
Delta R.T. 0.011 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

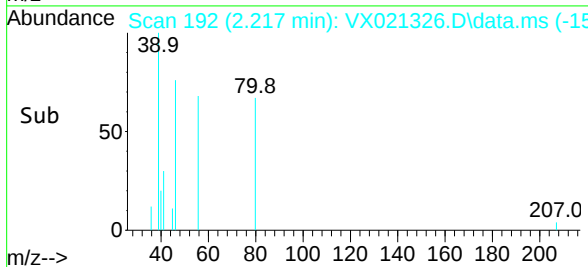
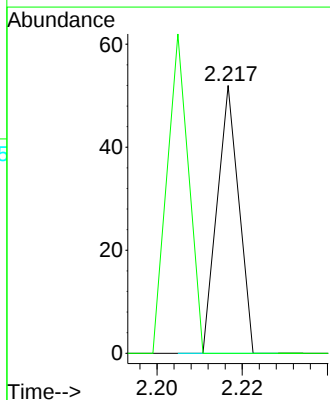
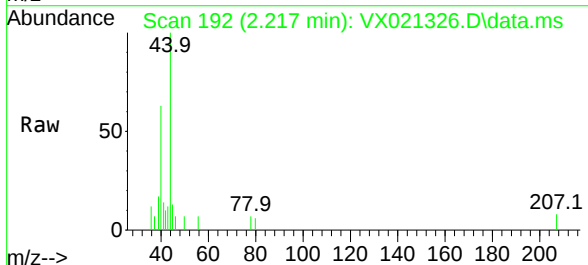
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D1-20210315

Tgt Ion: 94 Resp: 119  
Ion Ratio Lower Upper  
94 100  
96 140.7 76.4 114.6#



#13  
Acrolein  
Concen: 3.26 ug/l  
RT: 2.217 min Scan# 192  
Delta R.T. -0.059 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

Tgt Ion: 56 Resp: 18  
Ion Ratio Lower Upper  
56 100  
55 122.2 56.4 84.6#

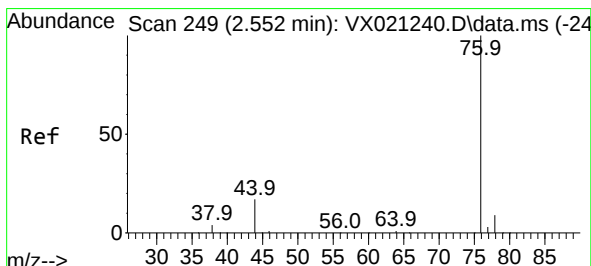
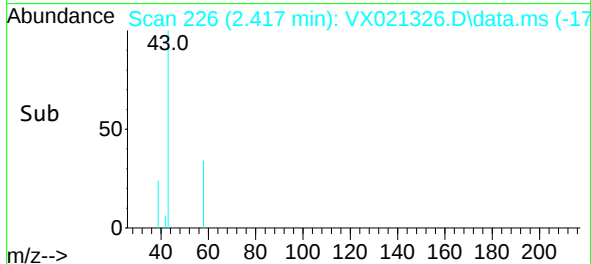
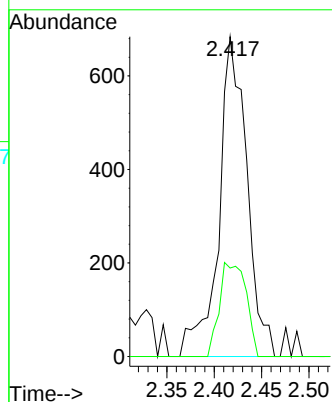
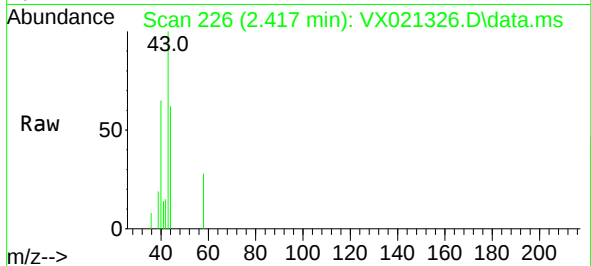




#16  
Acetone  
Concen: 2.99 ug/l  
RT: 2.417 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

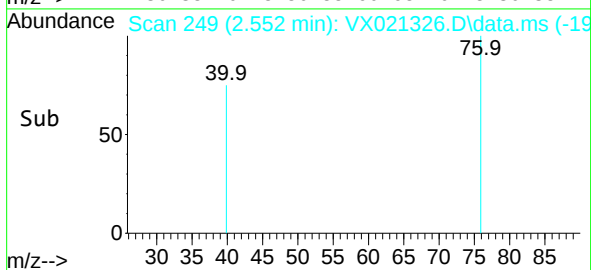
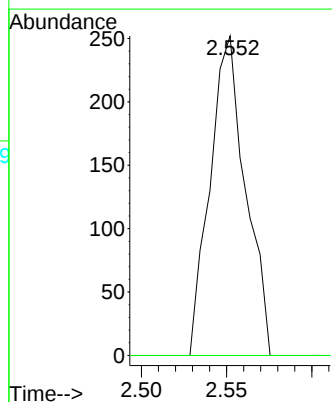
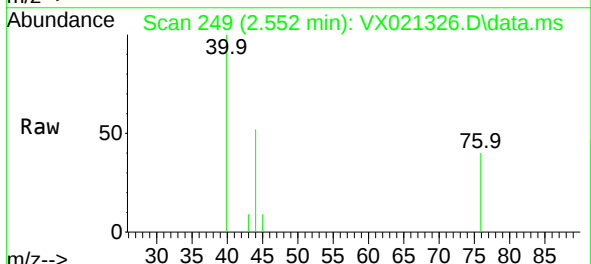
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D1-20210315

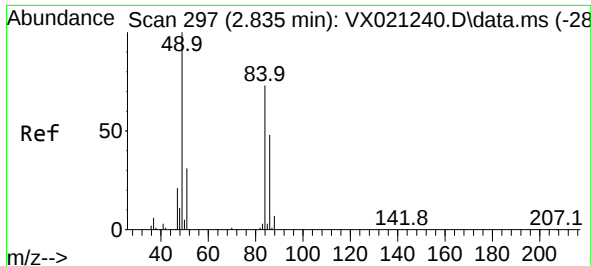
Tgt Ion: 43 Resp: 1411  
Ion Ratio Lower Upper  
43 100  
58 27.6 27.8 41.8#



#17  
Carbon Disulfide  
Concen: 0.69 ug/l  
RT: 2.552 min Scan# 249  
Delta R.T. 0.000 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

Tgt Ion: 76 Resp: 365  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#

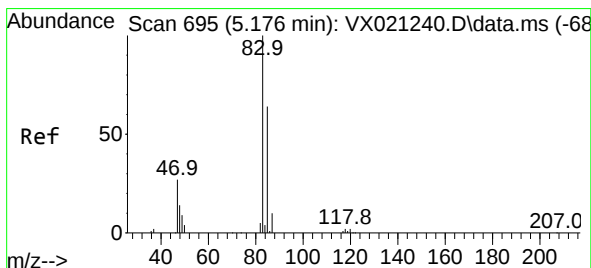
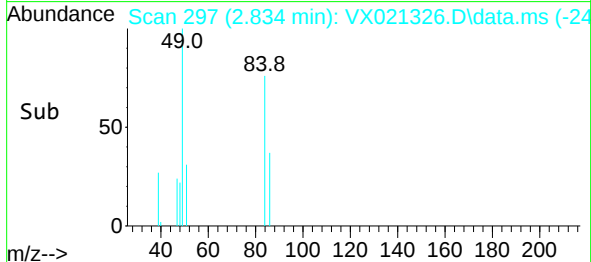
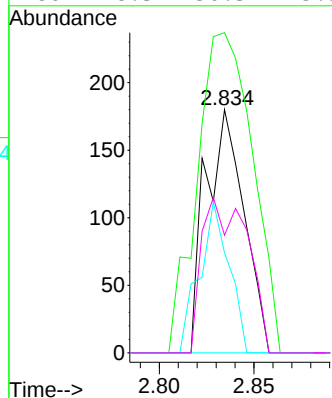
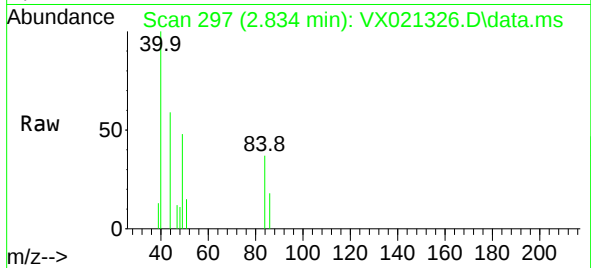




#20  
Methylene Chloride  
Concen: 0.26 ug/l  
RT: 2.834 min Scan# 297  
Delta R.T. -0.001 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

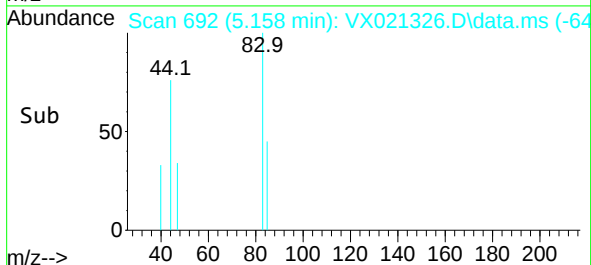
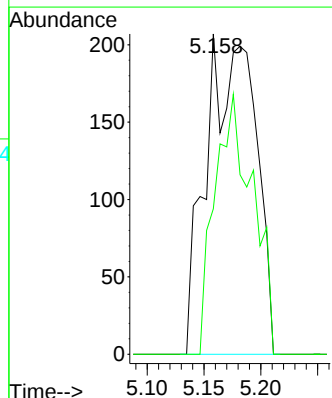
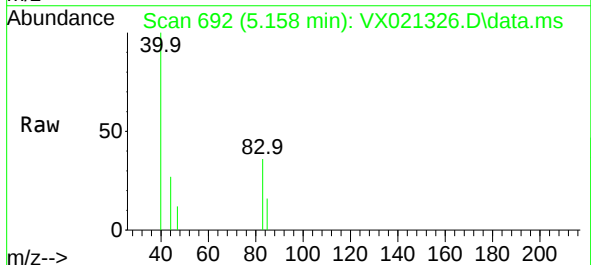
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D1-20210315

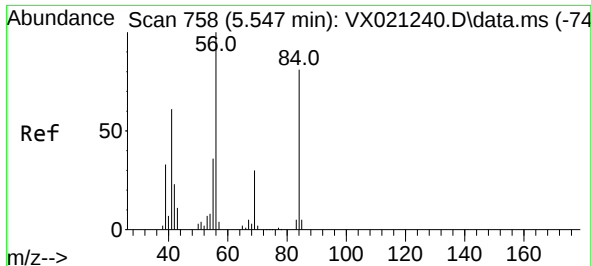
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 254   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 131.7 | 88.6  | 132.8 |
| 51       | 41.1  | 27.0  | 40.6# |
| 86       | 48.3  | 50.3  | 75.5# |



#30  
Chloroform  
Concen: 0.35 ug/l  
RT: 5.158 min Scan# 692  
Delta R.T. -0.018 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

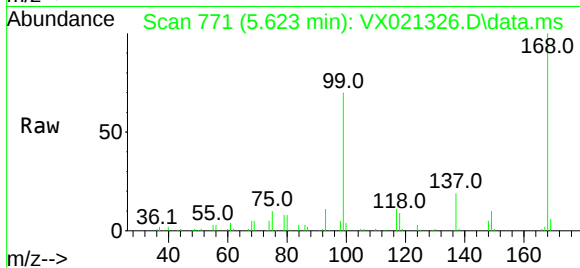
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 620   |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 45.4  | 52.0  | 78.0# |



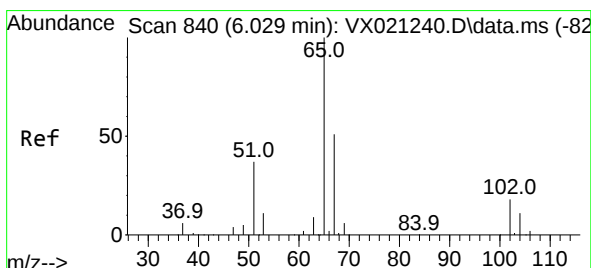
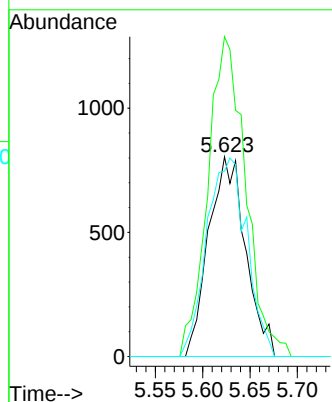
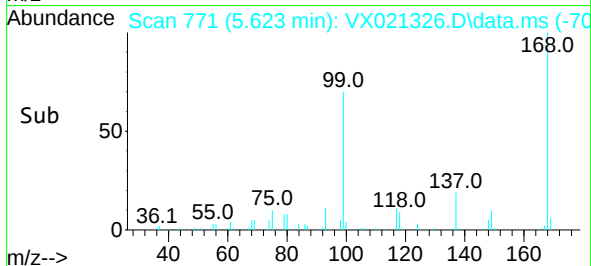


#31  
Cyclohexane  
Concen: 1.41 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. 0.076 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

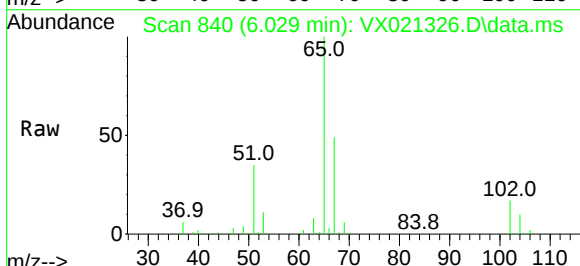
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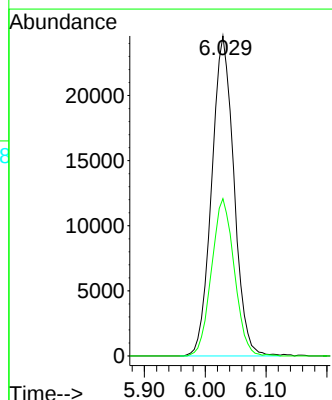
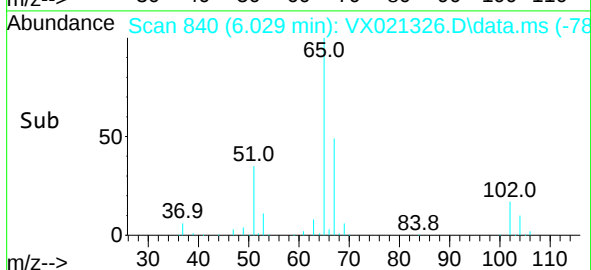
Tgt Ion: 56 Resp: 2182  
Ion Ratio Lower Upper  
56 100  
69 160.2 25.3 37.9#  
84 92.8 71.4 107.0



#33  
1,2-Dichloroethane-d4  
Concen: 48.69 ug/l  
RT: 6.029 min Scan# 840  
Delta R.T. -0.000 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06



Tgt Ion: 65 Resp: 62425  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 105.4

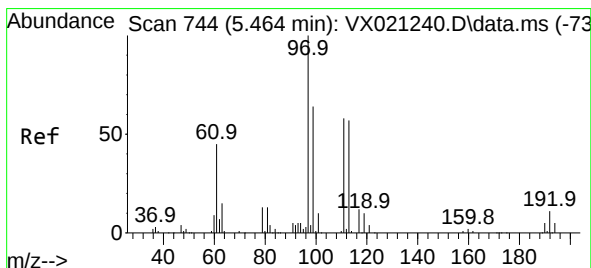
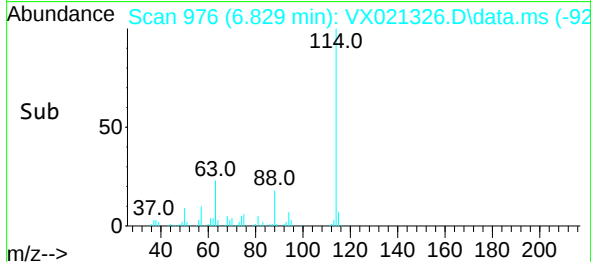
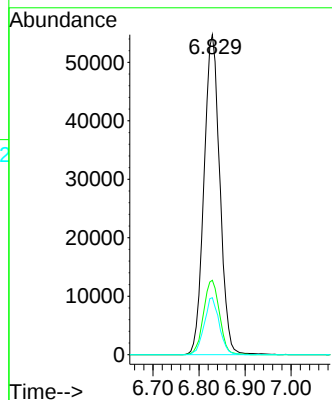
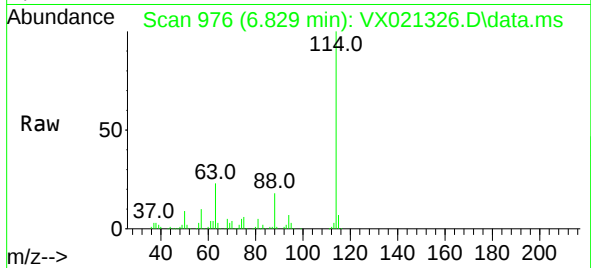




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. 0.000 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

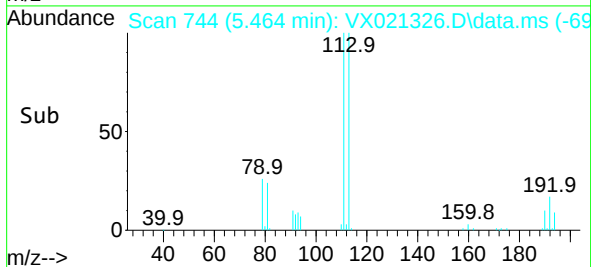
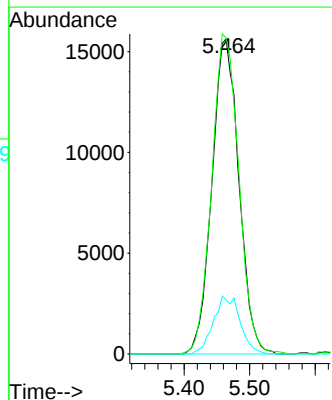
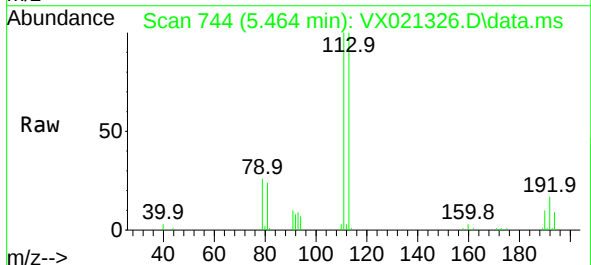
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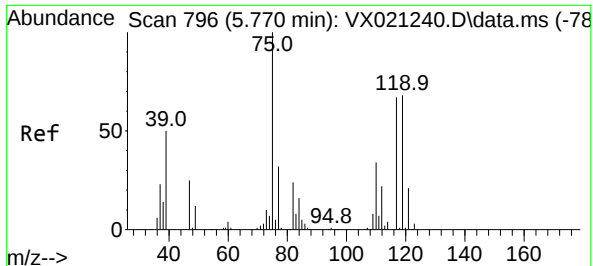
Tgt Ion:114 Resp: 130879  
Ion Ratio Lower Upper  
114 100  
63 23.3 0.0 40.8  
88 17.8 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 50.06 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

Tgt Ion:113 Resp: 44586  
Ion Ratio Lower Upper  
113 100  
111 102.2 81.9 122.9  
192 18.1 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.71 ug/l

RT: 5.623 min Scan# 771

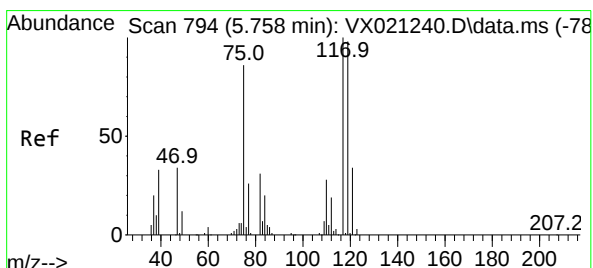
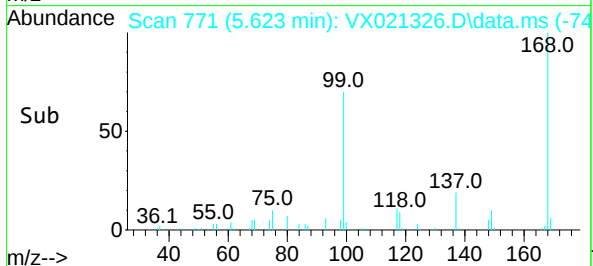
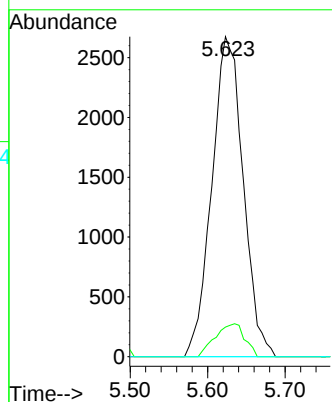
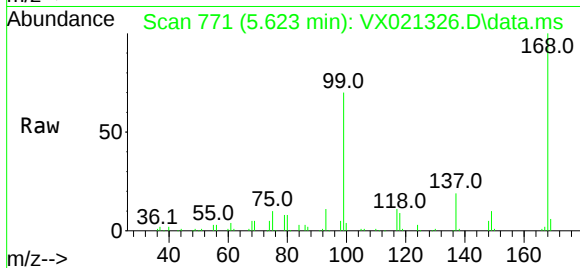
Delta R.T. -0.147 min

Lab File: VX021326.D

Acq: 20 Mar 2021 05:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 7524  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.7   | 18.1  | 54.4# |
| 77       | 0.0   | 25.3  | 37.9# |

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D1-20210315



#38

Carbon Tetrachloride

Concen: 6.41 ug/l

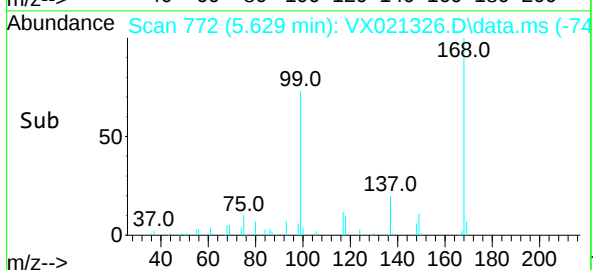
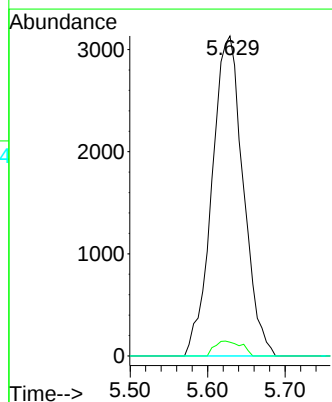
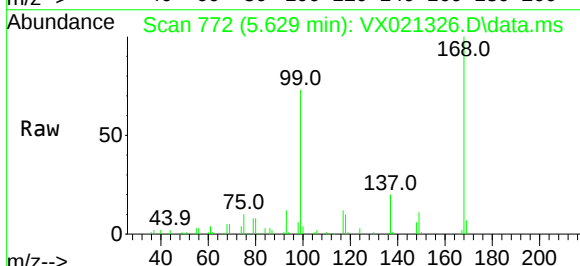
RT: 5.629 min Scan# 772

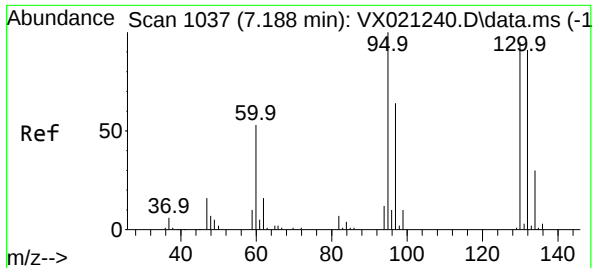
Delta R.T. -0.129 min

Lab File: VX021326.D

Acq: 20 Mar 2021 05:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 8782   |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.3   | 76.2  | 114.2# |
| 121      | 0.0   | 24.8  | 37.2#  |

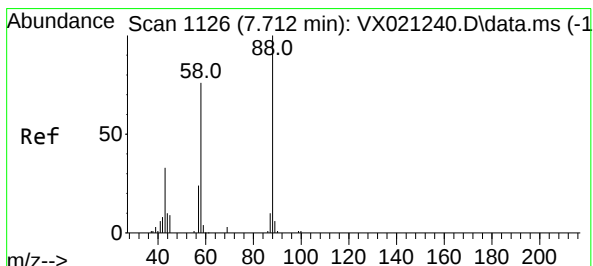
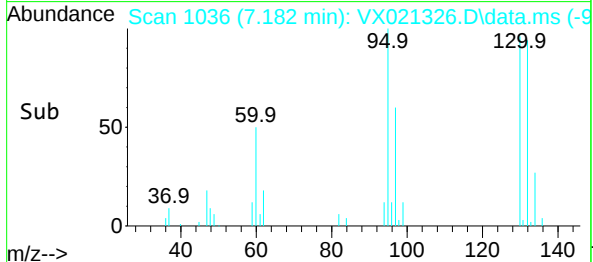
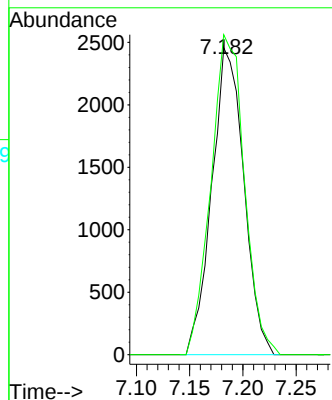
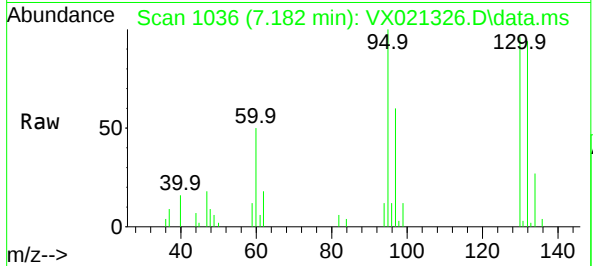




#44  
Trichloroethene  
Concen: 5.32 ug/l  
RT: 7.182 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

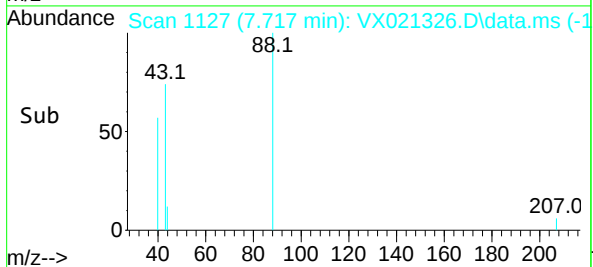
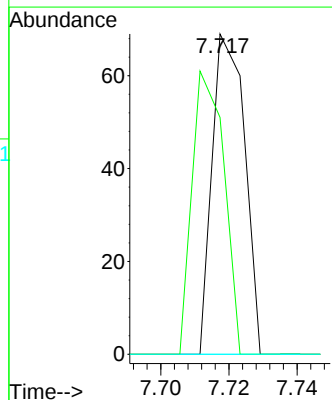
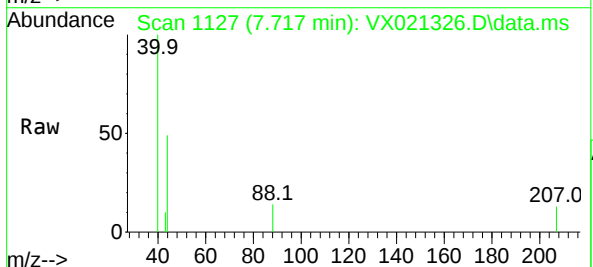
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D1-20210315

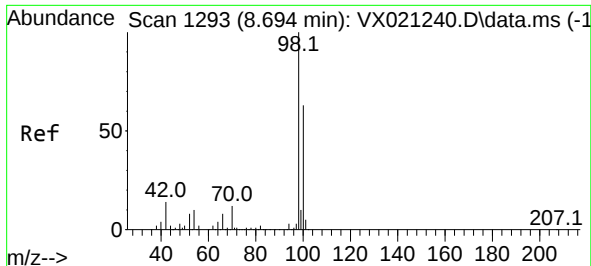
Tgt Ion:130 Resp: 5138  
Ion Ratio Lower Upper  
130 100  
95 104.3 0.0 198.0



#49  
1,4-Dioxane  
Concen: Below Cal  
RT: 7.717 min Scan# 1127  
Delta R.T. 0.005 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

Tgt Ion: 88 Resp: 46  
Ion Ratio Lower Upper  
88 100  
43 87.0 23.2 34.8#  
58 0.0 55.0 82.4#

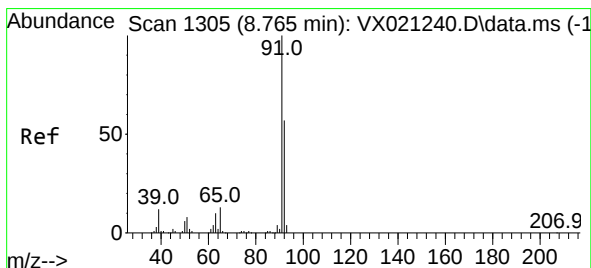
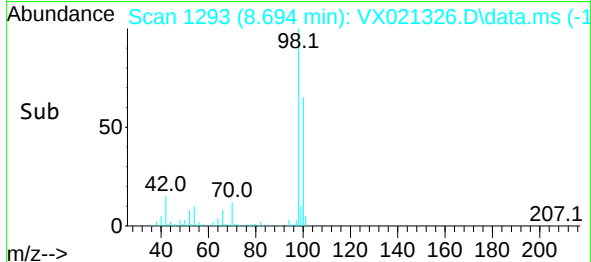
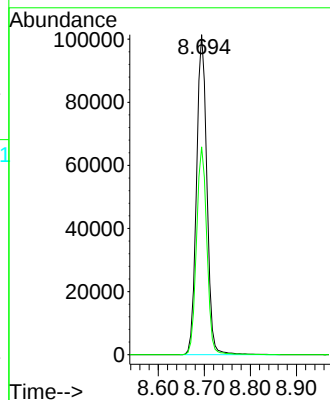
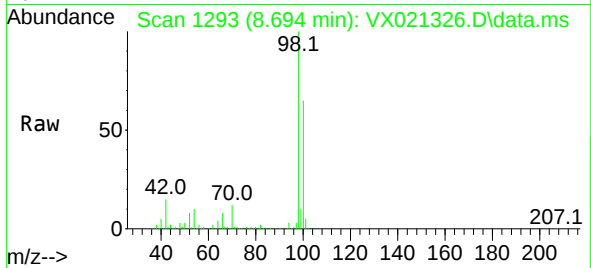




#50  
Toluene-d8  
Concen: 48.92 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

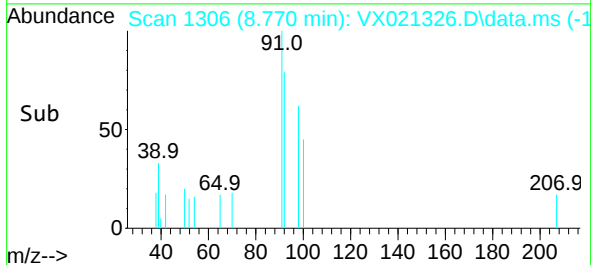
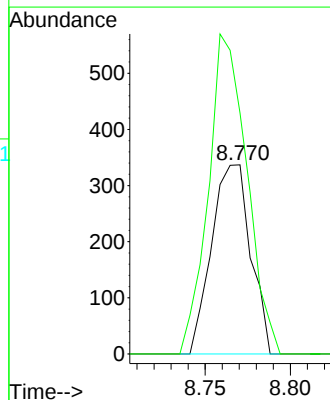
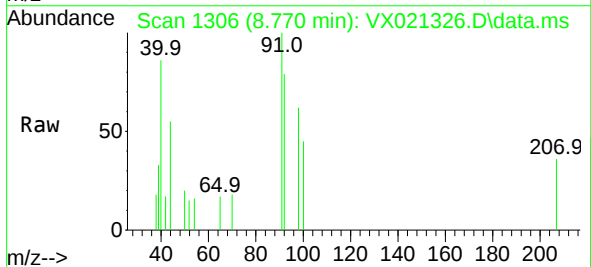
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D1-20210315

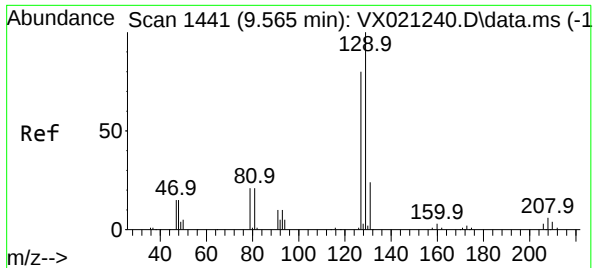
Tgt Ion: 98 Resp: 158072  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.9 77.9



#52  
Toluene  
Concen: 0.24 ug/l  
RT: 8.770 min Scan# 1306  
Delta R.T. 0.005 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

Tgt Ion: 92 Resp: 537  
Ion Ratio Lower Upper  
92 100  
91 166.9 137.1 205.7

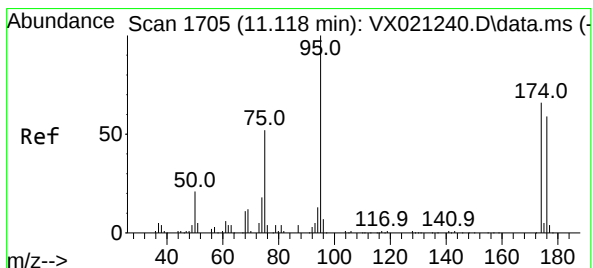
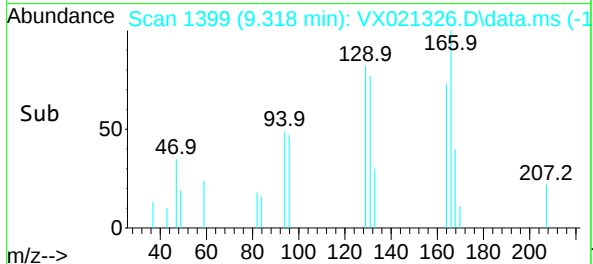
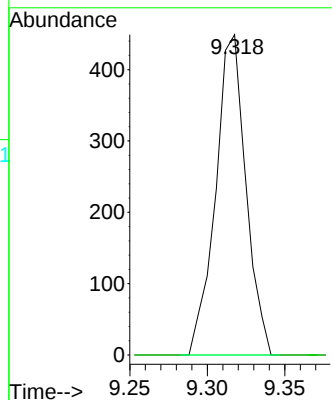
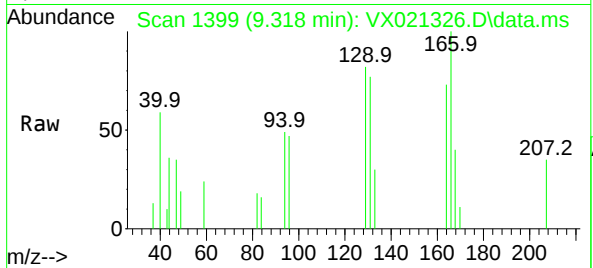




#60  
Dibromochloromethane  
Concen: 0.58 ug/l  
RT: 9.318 min Scan# 1399  
Delta R.T. -0.247 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

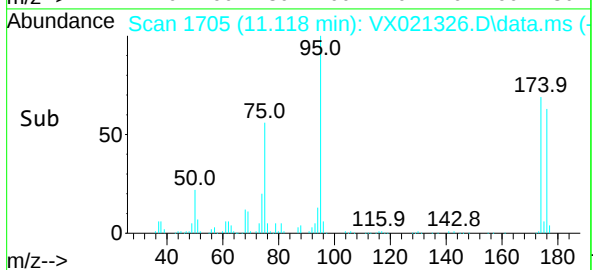
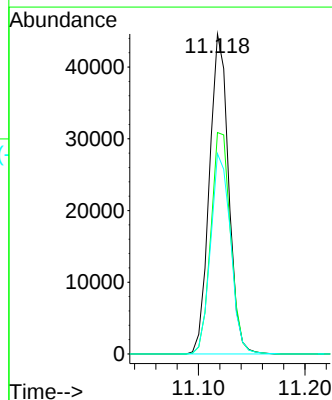
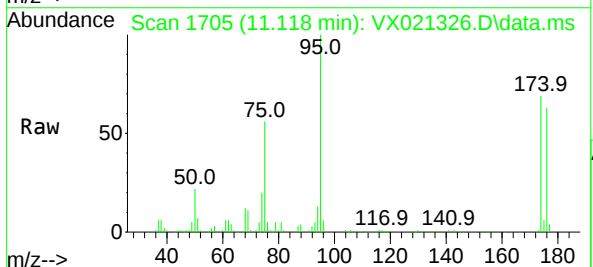
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D1-20210315

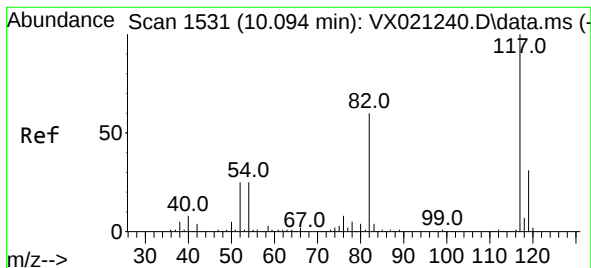
Tgt Ion:129 Resp: 611  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#



#62  
4-Bromofluorobenzene  
Concen: 44.62 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

Tgt Ion: 95 Resp: 55991  
Ion Ratio Lower Upper  
95 100  
174 71.2 0.0 154.6  
176 65.1 0.0 155.8

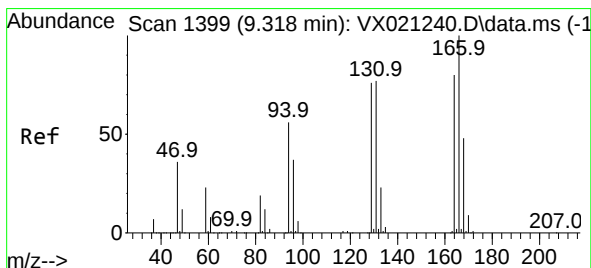
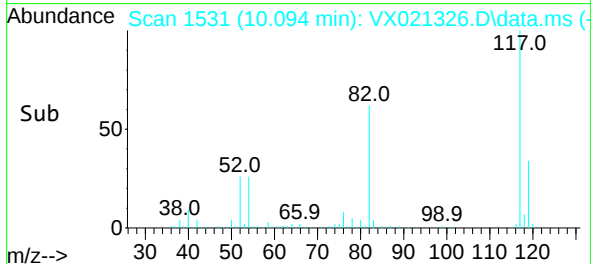
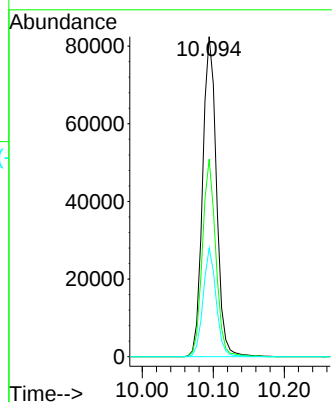
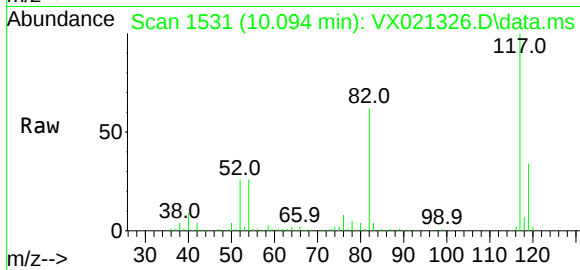




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

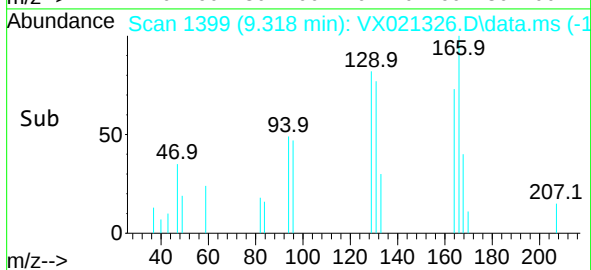
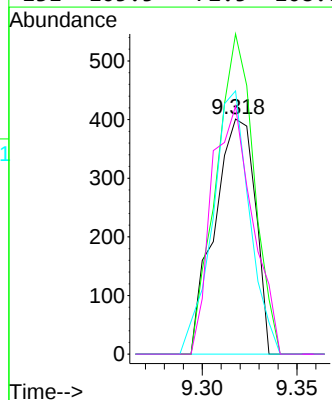
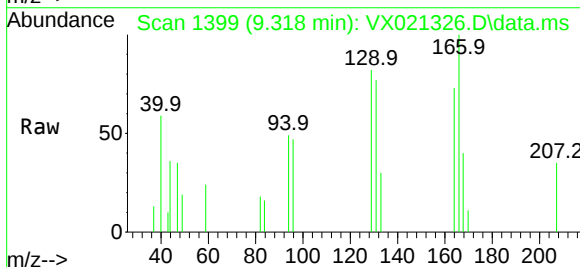
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D1-20210315

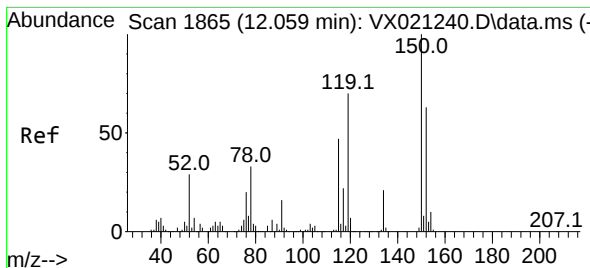
Tgt Ion:117 Resp: 112386  
Ion Ratio Lower Upper  
117 100  
82 61.7 47.4 71.2  
119 33.9 26.6 39.8



#64  
Tetrachloroethene  
Concen: 0.71 ug/l  
RT: 9.318 min Scan# 1399  
Delta R.T. -0.000 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

Tgt Ion:164 Resp: 600  
Ion Ratio Lower Upper  
164 100  
166 136.2 103.4 155.2  
129 112.0 70.8 106.2#  
131 105.5 72.5 108.7

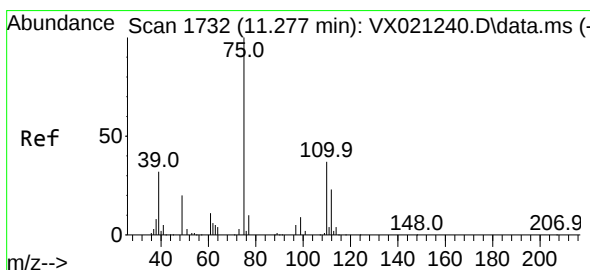
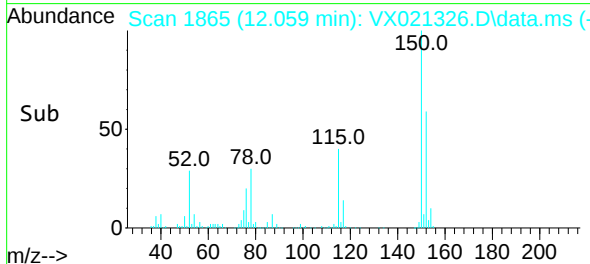
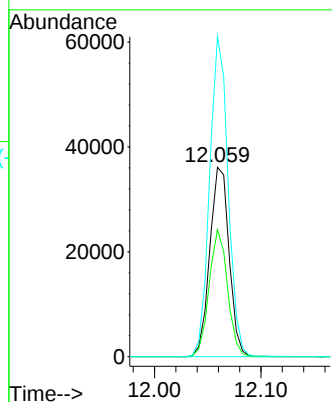
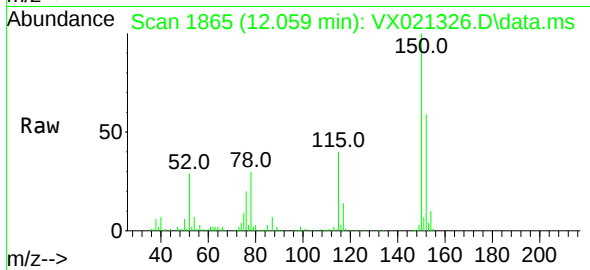




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. 0.000 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

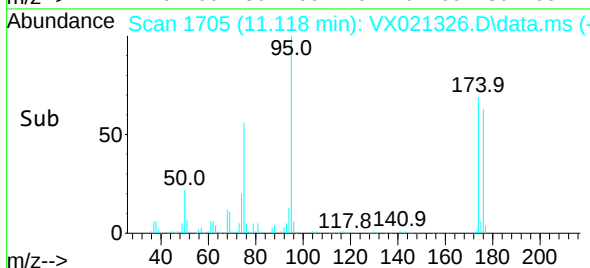
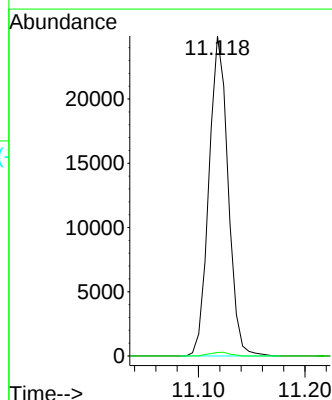
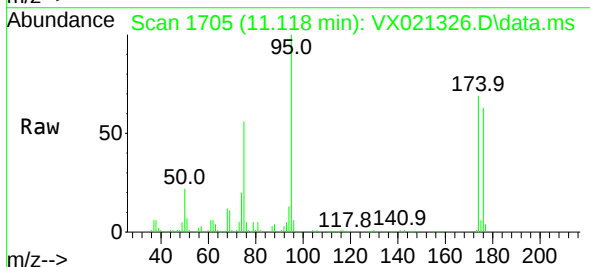
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D1-20210315

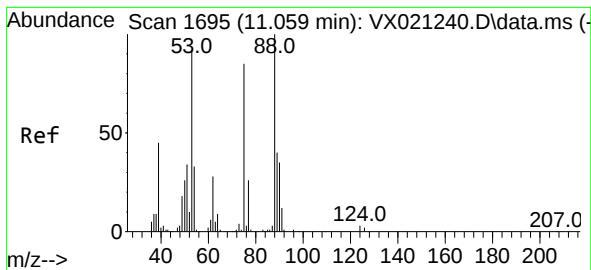
Tgt Ion:152 Resp: 45680  
Ion Ratio Lower Upper  
152 100  
115 63.7 41.1 123.3  
150 161.2 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 29.39 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX021326.D  
Acq: 20 Mar 2021 05:06

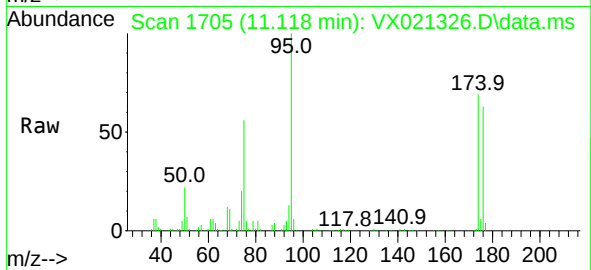
Tgt Ion: 75 Resp: 31138  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 79.78 ug/l  
 RT: 11.118 min Scan# 1705  
 Delta R.T. 0.059 min  
 Lab File: VX021326.D  
 Acq: 20 Mar 2021 05:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE134D1-20210315



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 74.5  | 111.7# |
| 89      | 0.0   | 37.9  | 56.9#  |

