

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011922\  
 Data File : VX026519.D  
 Acq On : 19 Jan 2022 15:10  
 Operator : JC/MD  
 Sample : N1187-06 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 31282

Quant Time: Jan 20 05:06:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 11 14:45:13 2022  
 Response via : Initial Calibration

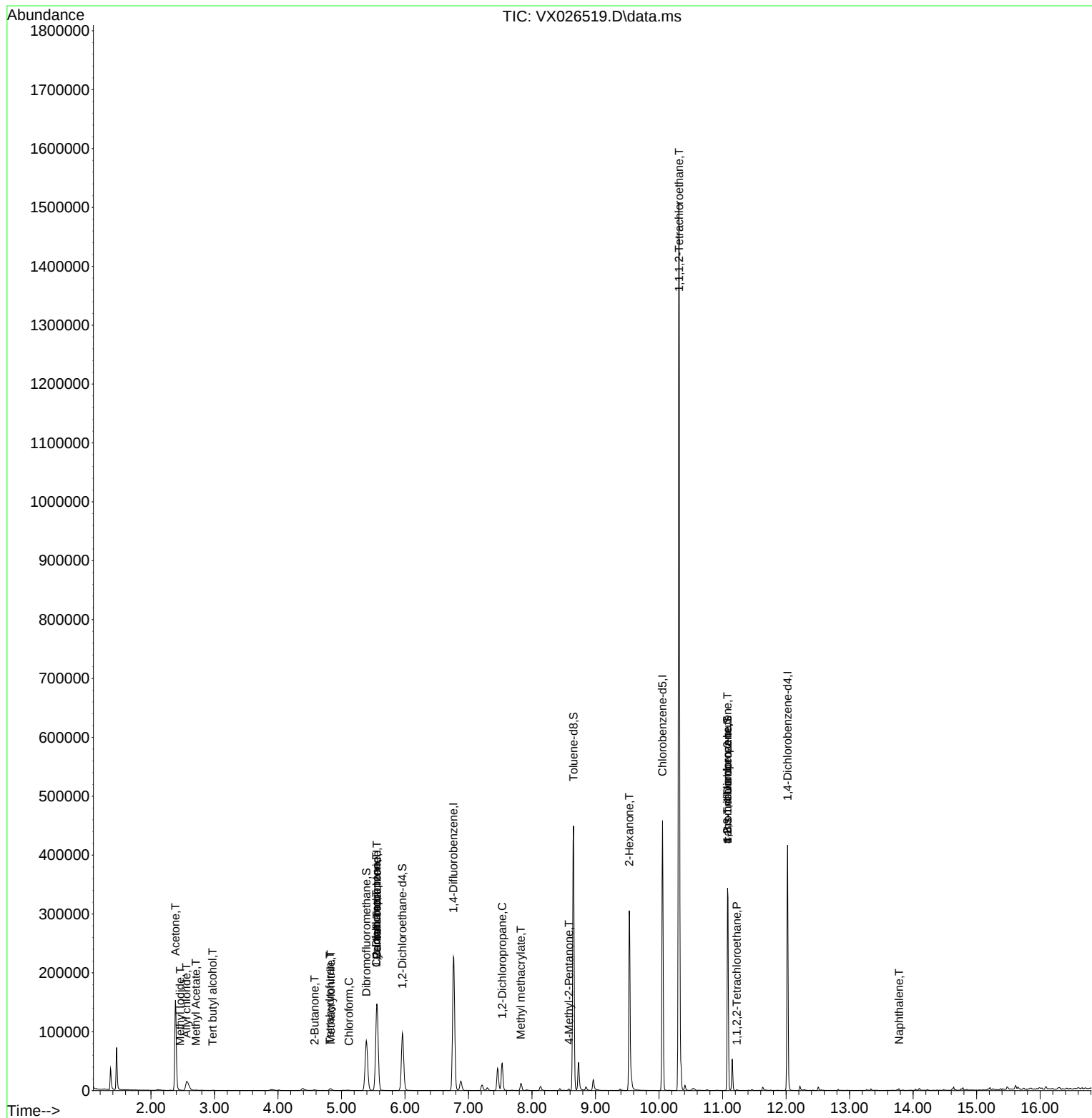
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 136071     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 231119     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 196768     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 83094      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 93625      | 49.255  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 98.520% |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 73521      | 49.260  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 98.520% |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 265953     | 49.449  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 98.900% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 94244      | 49.327  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 98.660% |        |          |
| Target Compounds              |                |      |            |         |        |          |
|                               |                |      |            |         | Qvalue |          |
| 10) Methyl Iodide             | 2.459          | 142  | 98         | 4.501   | ug/l # | 37       |
| 11) Tert butyl alcohol        | 2.971          | 59   | 556        | 2.103   | ug/l # | 75       |
| 14) Allyl chloride            | 2.556          | 41   | 3349       | 1.281   | ug/l # | 71       |
| 16) Acetone                   | 2.386          | 43   | 173304     | 178.786 | ug/l   | 99       |
| 18) Methyl Acetate            | 2.709          | 43   | 942        | 0.489   | ug/l # | 85       |
| 25) 2-Butanone                | 4.574          | 43   | 2302       | 1.826   | ug/l   | 99       |
| 29) Tetrahydrofuran           | 4.818          | 42   | 208        | 0.278   | ug/l # | 34       |
| 30) Chloroform                | 5.117          | 83   | 1007       | 0.338   | ug/l # | 74       |
| 31) Cyclohexane               | 5.550          | 56   | 2754       | 0.982   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 11232      | 4.767   | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 14510      | 5.987   | ug/l # | 18       |
| 41) Methacrylonitrile         | 4.830          | 41   | 1165       | 0.863   | ug/l # | 1        |
| 45) 1,2-Dichloropropane       | 7.531          | 63   | 1280       | 0.787   | ug/l # | 1        |
| 48) Methyl methacrylate       | 7.824          | 41   | 1602       | 0.840   | ug/l # | 43       |
| 51) 4-Methyl-2-Pentanone      | 8.580          | 43   | 1726       | 0.756   | ug/l   | 92       |
| 59) 2-Hexanone                | 9.531          | 43   | 57902      | 33.129  | ug/l # | 27       |
| 66) 1,1,1,2-Tetrachloroethane | 10.317         | 131  | 1051       | 0.683   | ug/l # | 8        |
| 75) 1,1,2,2-Tetrachloroethane | 11.226         | 83   | 566        | 0.310   | ug/l # | 26       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 47075      | 25.730  | ug/l # | 40       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 47075      | 78.065  | ug/l # | 3        |
| 95) Naphthalene               | 13.780         | 128  | 1933       | 0.327   | ug/l # | 94       |
| -----                         |                |      |            |         |        |          |

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

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Quant Title : SW846 8260  
QLast Update : Tue Jan 11 14:45:13 2022  
Response via : Initial Calibration

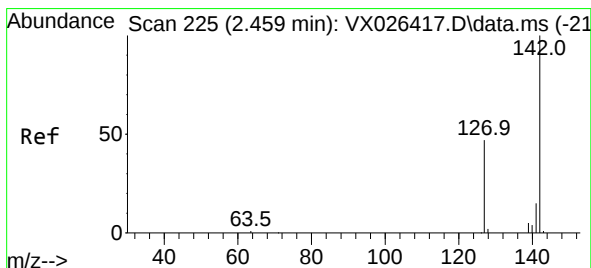
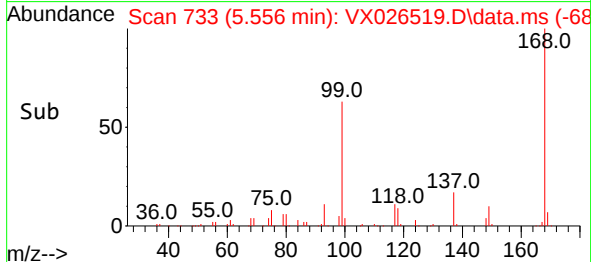
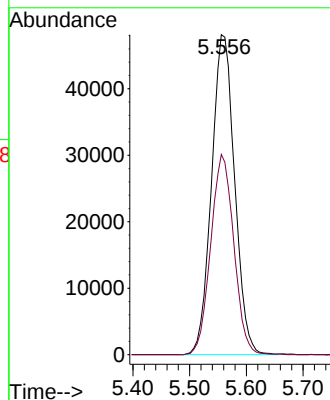
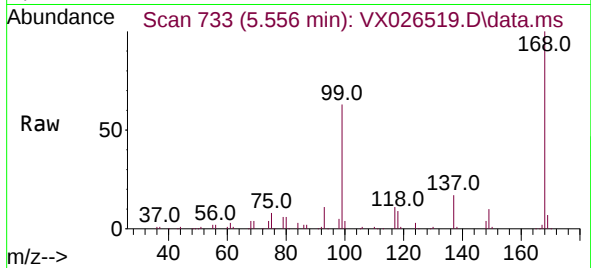




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

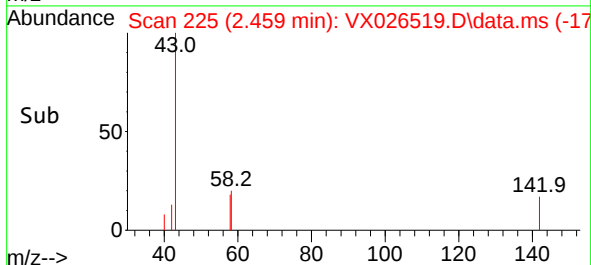
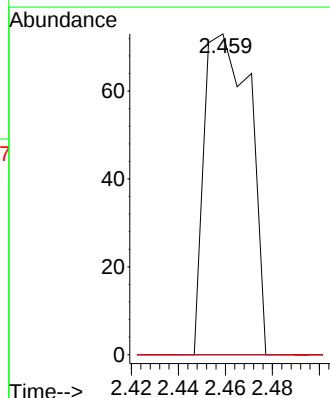
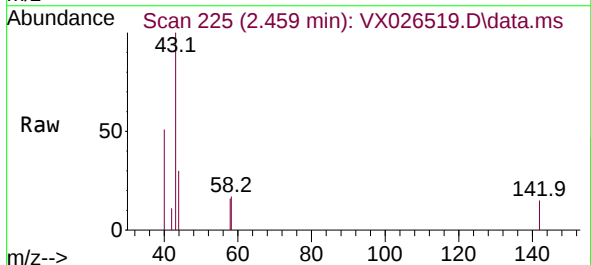
Instrument :  
MSVOA\_X  
ClientSampleId :  
31282

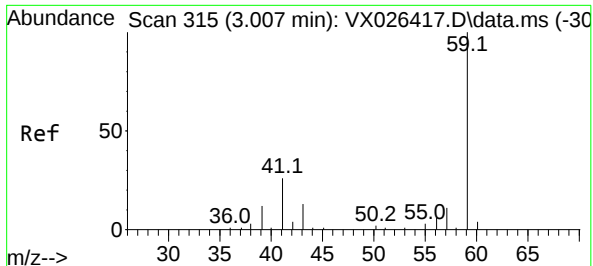
Tgt Ion:168 Resp: 136071  
Ion Ratio Lower Upper  
168 100  
99 62.6 50.3 75.5



#10  
Methyl Iodide  
Concen: 4.501 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. -0.000 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

Tgt Ion:142 Resp: 98  
Ion Ratio Lower Upper  
142 100  
127 0.0 38.1 57.1#  
141 0.0 11.2 16.8#





#11

Tert butyl alcohol

Concen: 2.103 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.036 min

Lab File: VX026519.D

Acq: 19 Jan 2022 15:10

Instrument :

MSVOA\_X

ClientSampleId :

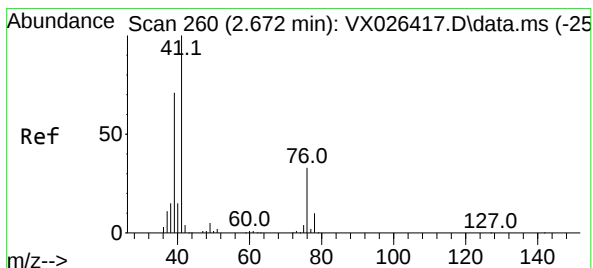
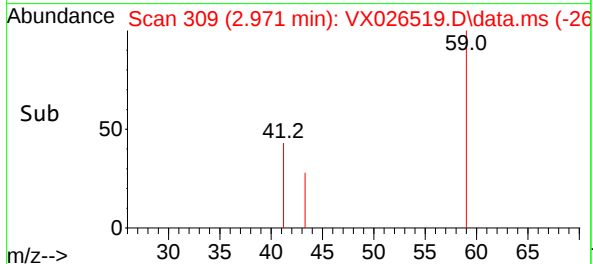
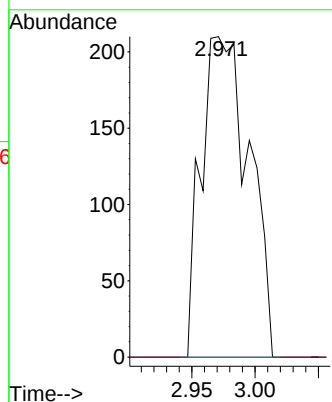
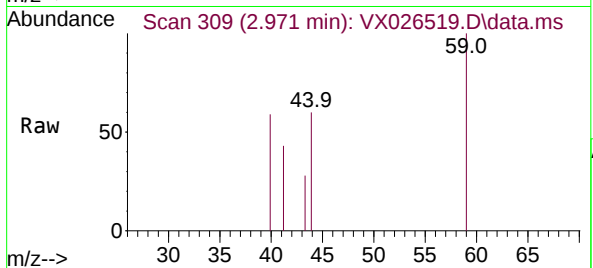
31282

Tgt Ion: 59 Resp: 556

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#14

Allyl chloride

Concen: 1.281 ug/l

RT: 2.556 min Scan# 241

Delta R.T. -0.116 min

Lab File: VX026519.D

Acq: 19 Jan 2022 15:10

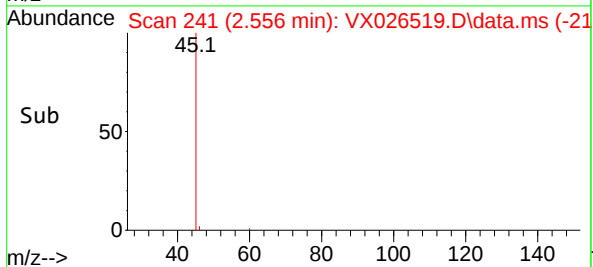
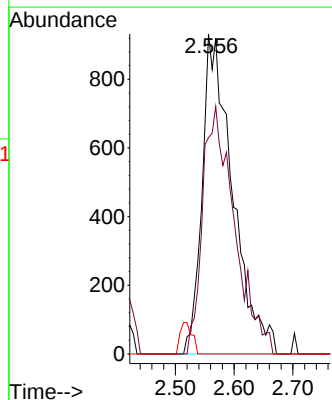
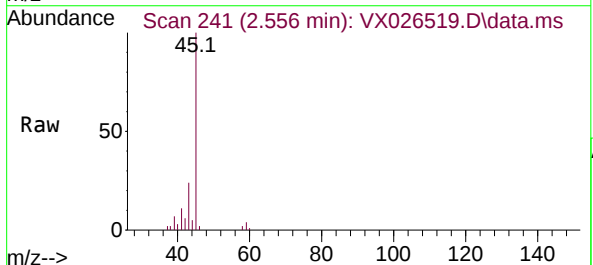
Tgt Ion: 41 Resp: 3349

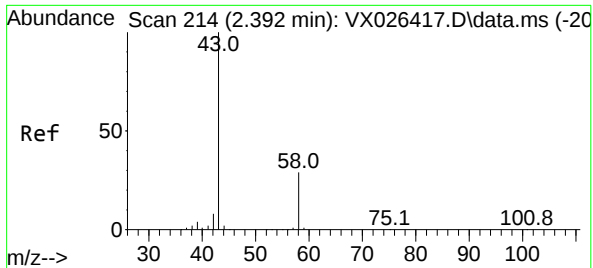
Ion Ratio Lower Upper

41 100

39 81.1 54.2 81.4

76 0.0 25.2 37.8#

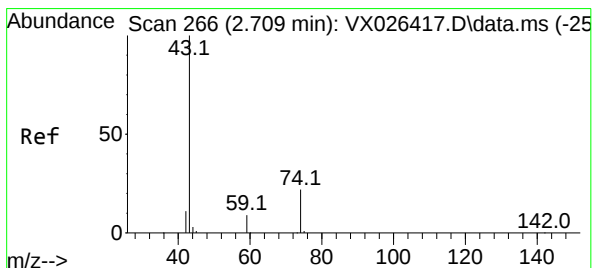
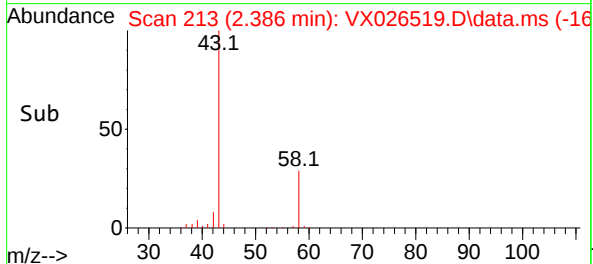
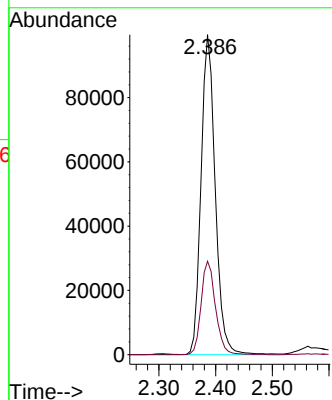
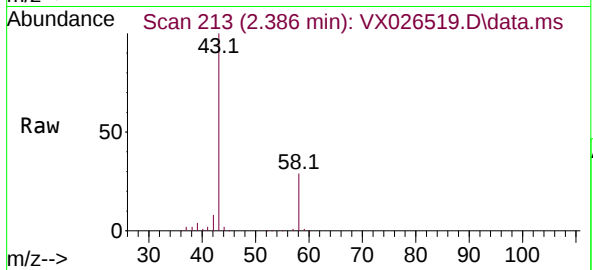




#16  
Acetone  
Concen: 178.786 ug/l  
RT: 2.386 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

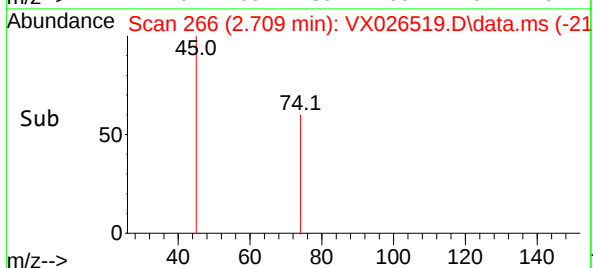
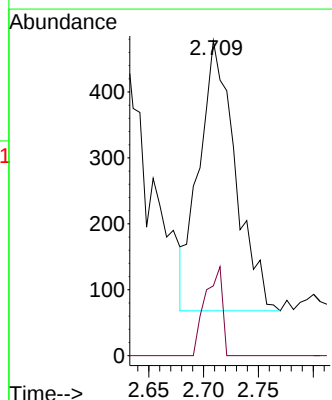
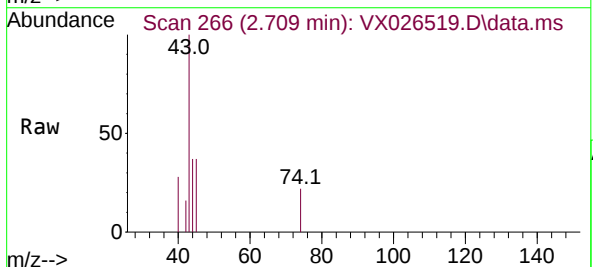
Instrument :  
MSVOA\_X  
ClientSampleId :  
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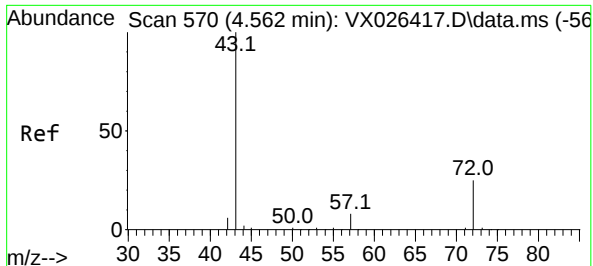
Tgt Ion: 43 Resp: 173304  
Ion Ratio Lower Upper  
43 100  
58 29.2 23.0 34.6



#18  
Methyl Acetate  
Concen: 0.489 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.000 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

Tgt Ion: 43 Resp: 942  
Ion Ratio Lower Upper  
43 100  
74 15.6 18.3 27.5#

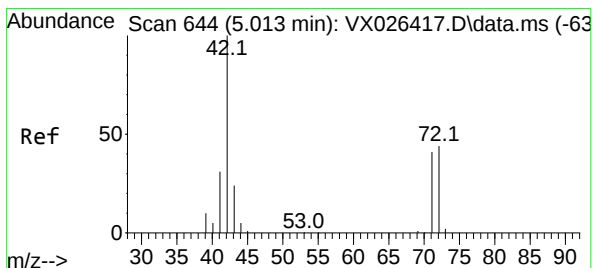
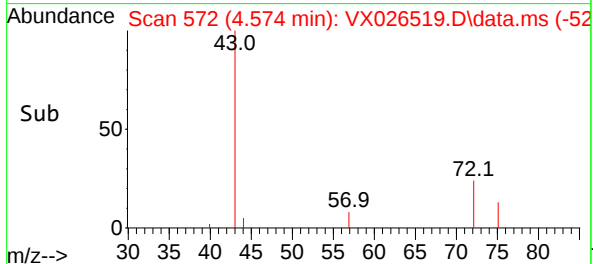
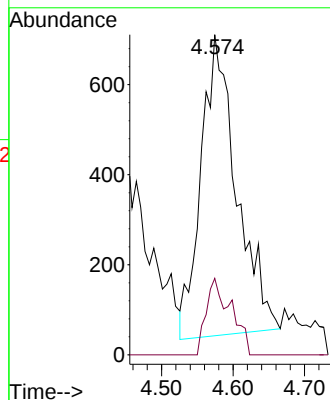
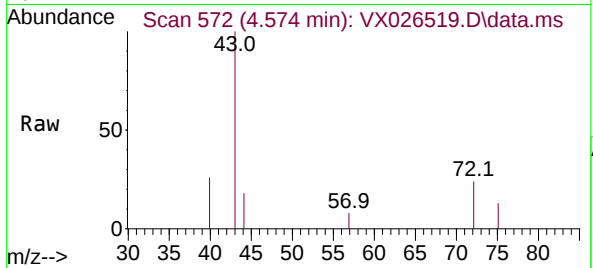




#25  
2-Butanone  
Concen: 1.826 ug/l  
RT: 4.574 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

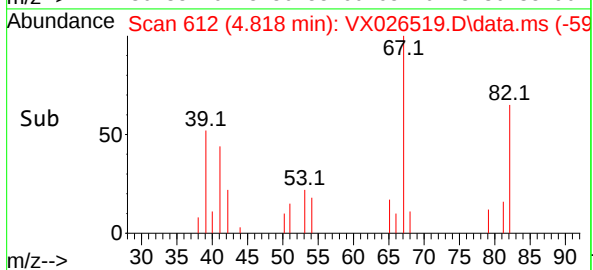
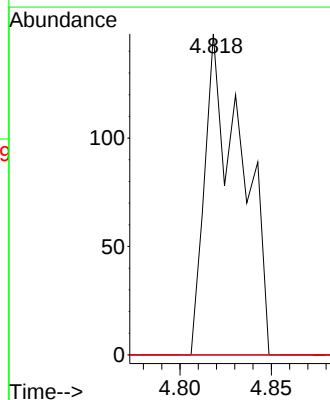
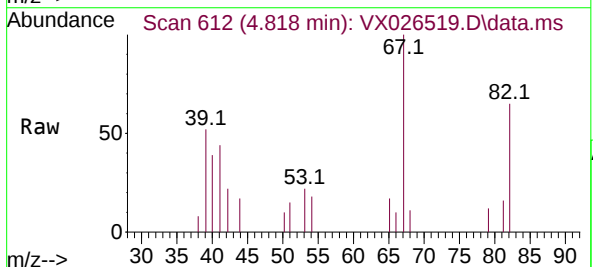
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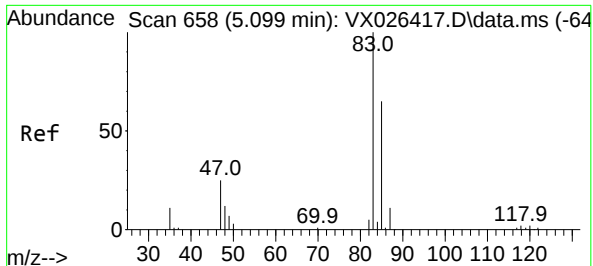
Tgt Ion: 43 Resp: 2302  
Ion Ratio Lower Upper  
43 100  
72 26.0 20.4 30.6



#29  
Tetrahydrofuran  
Concen: 0.278 ug/l  
RT: 4.818 min Scan# 612  
Delta R.T. -0.195 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

Tgt Ion: 42 Resp: 208  
Ion Ratio Lower Upper  
42 100  
72 0.0 34.6 52.0#  
71 0.0 31.8 47.8#





#30

Chloroform

Concen: 0.338 ug/l

RT: 5.117 min Scan# 6

Delta R.T. 0.018 min

Lab File: VX026519.D

Acq: 19 Jan 2022 15:10

Instrument :

MSVOA\_X

ClientSampleId :

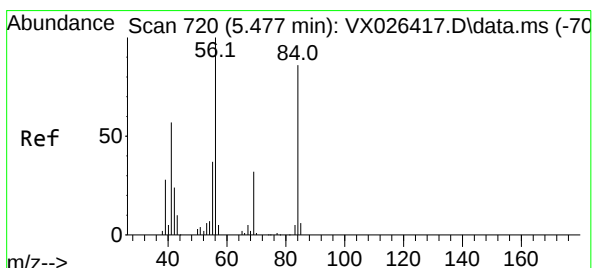
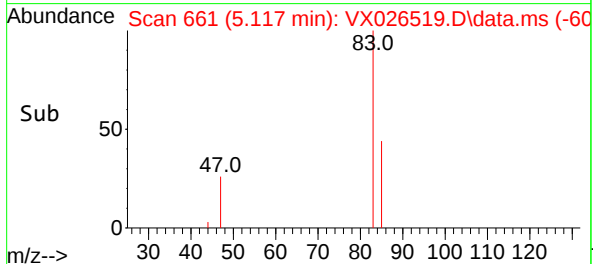
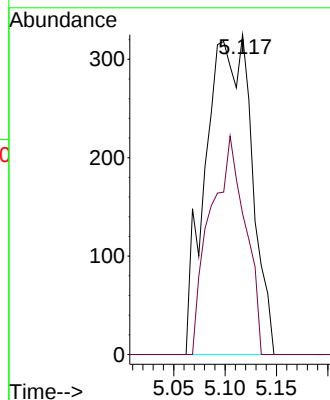
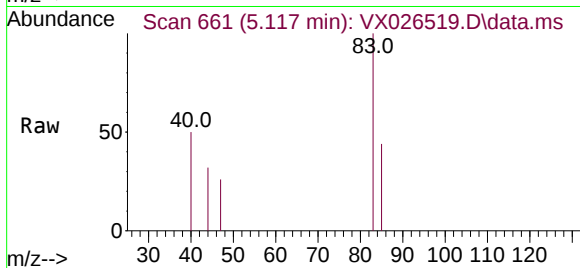
31282

Tgt Ion: 83 Resp: 1007

Ion Ratio Lower Upper

83 100

85 44.0 51.6 77.4#



#31

Cyclohexane

Concen: 0.982 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX026519.D

Acq: 19 Jan 2022 15:10

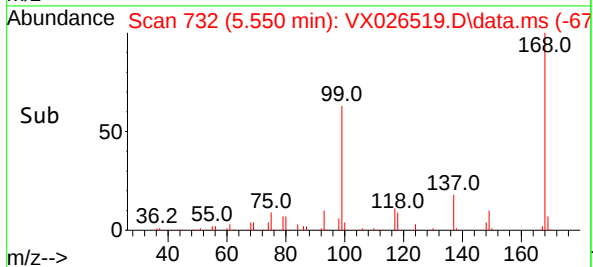
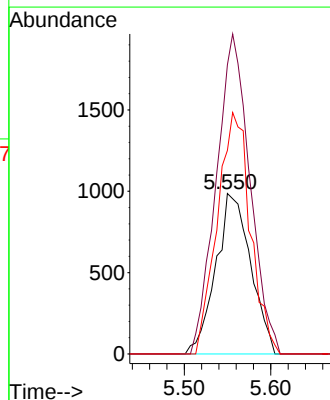
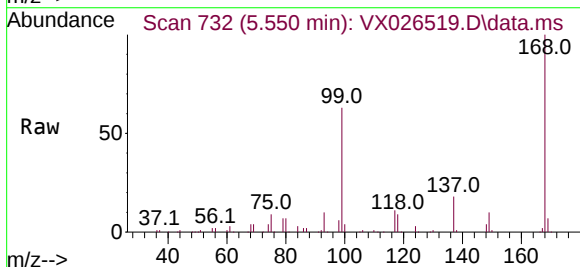
Tgt Ion: 56 Resp: 2754

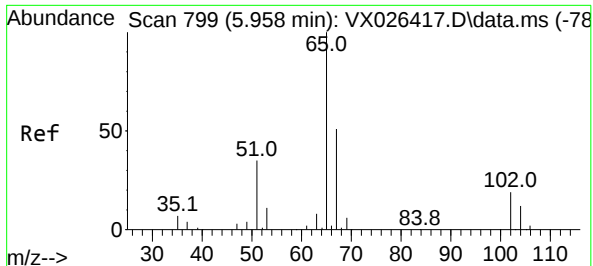
Ion Ratio Lower Upper

56 100

69 180.2 25.8 38.6#

84 126.9 68.9 103.3#

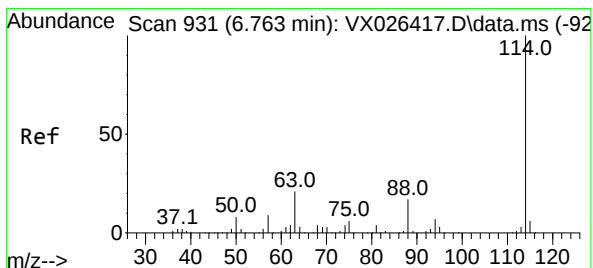
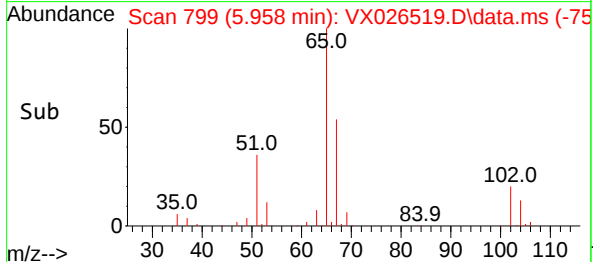
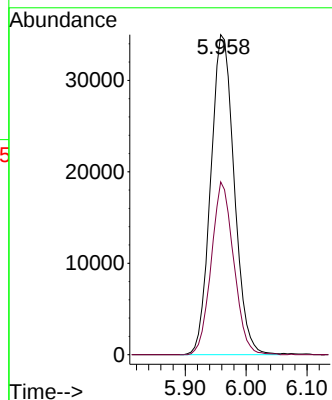
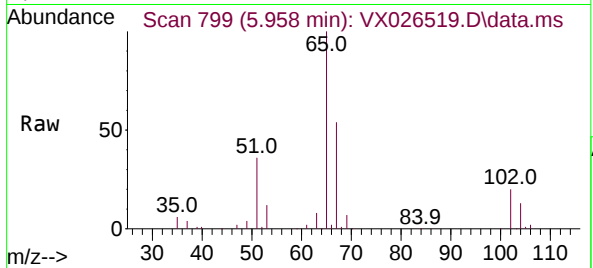




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.255 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX026519.D  
 Acq: 19 Jan 2022 15:10

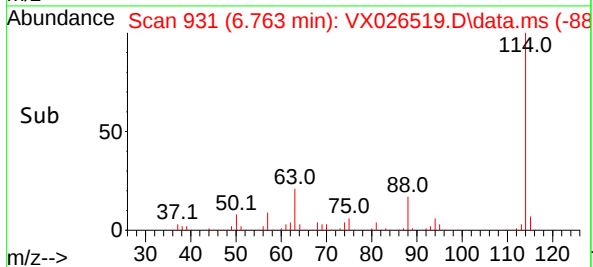
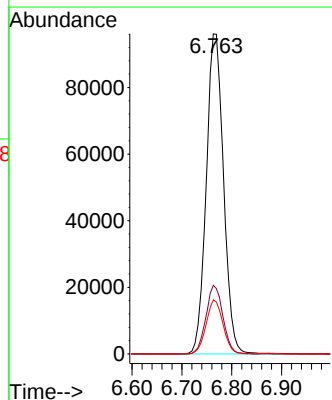
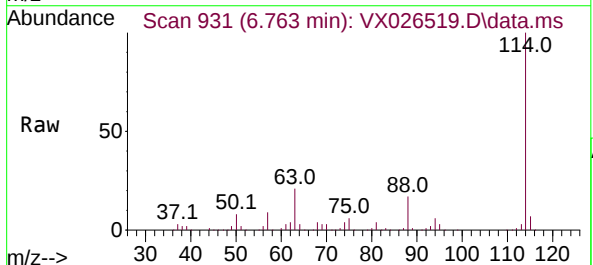
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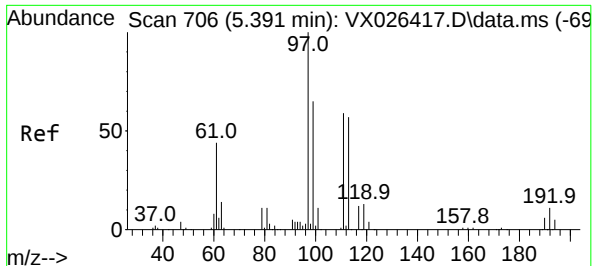
Tgt Ion: 65 Resp: 93625  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 100.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.000 min  
 Lab File: VX026519.D  
 Acq: 19 Jan 2022 15:10

Tgt Ion: 114 Resp: 231119  
 Ion Ratio Lower Upper  
 114 100  
 63 21.5 0.0 42.8  
 88 16.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.260 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026519.D

Acq: 19 Jan 2022 15:10

Instrument :

MSVOA\_X

ClientSampleId :

31282

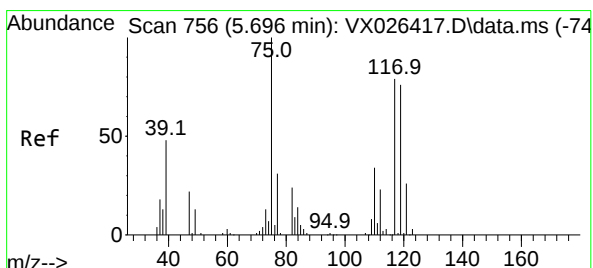
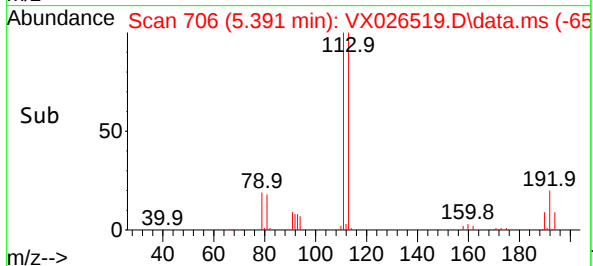
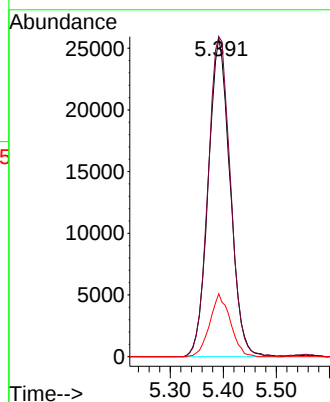
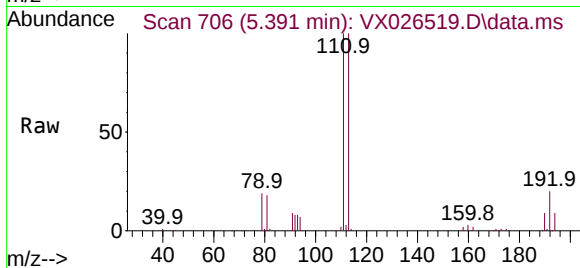
Tgt Ion:113 Resp: 73521

Ion Ratio Lower Upper

113 100

111 103.1 81.2 121.8

192 18.7 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.767 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX026519.D

Acq: 19 Jan 2022 15:10

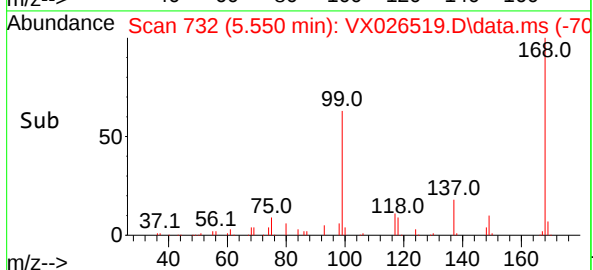
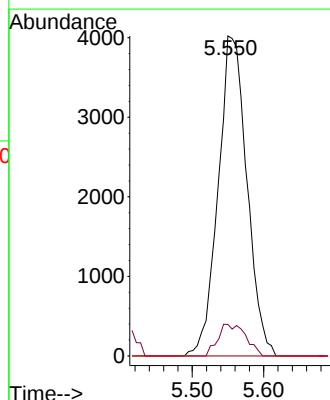
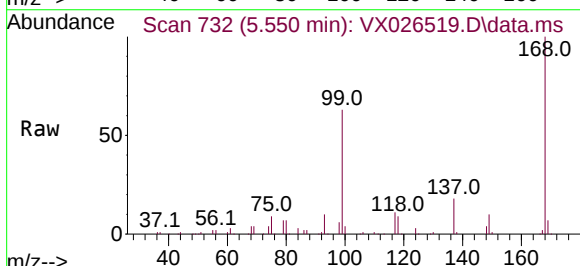
Tgt Ion: 75 Resp: 11232

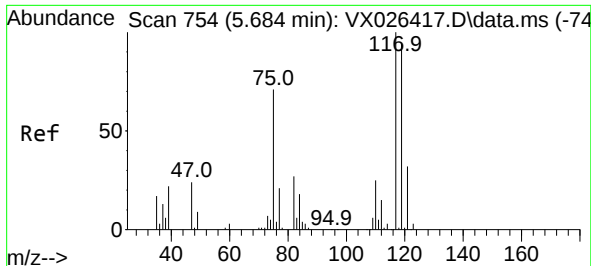
Ion Ratio Lower Upper

75 100

110 9.6 17.2 51.6#

77 0.0 24.6 36.8#

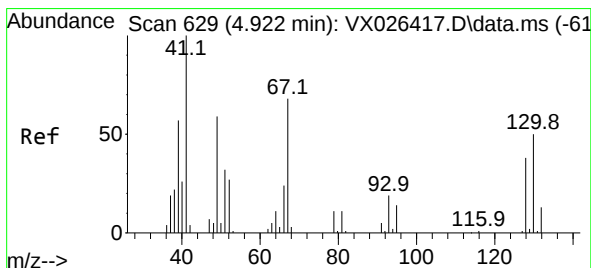
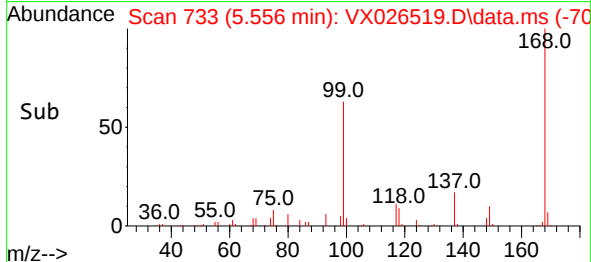
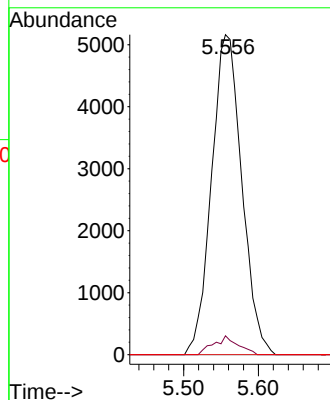
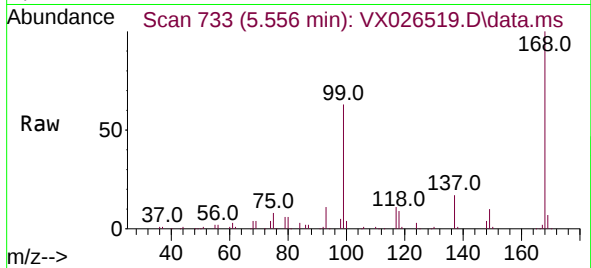




#38  
Carbon Tetrachloride  
Concen: 5.987 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.128 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

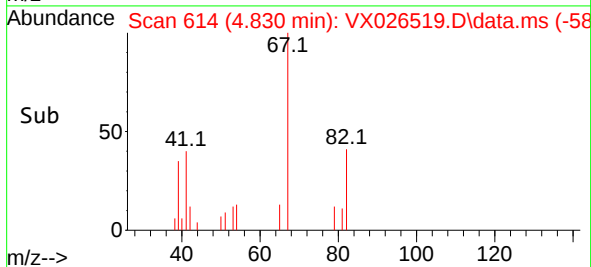
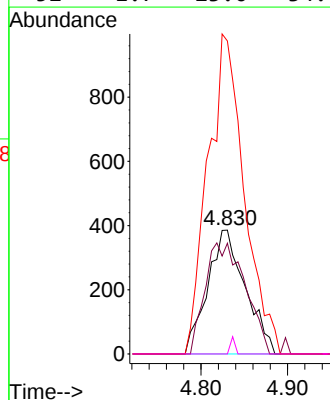
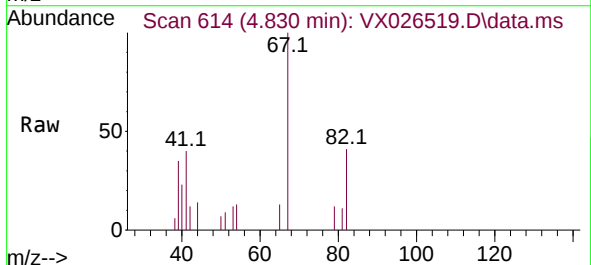
Instrument :  
MSVOA\_X  
ClientSampleId :  
31282

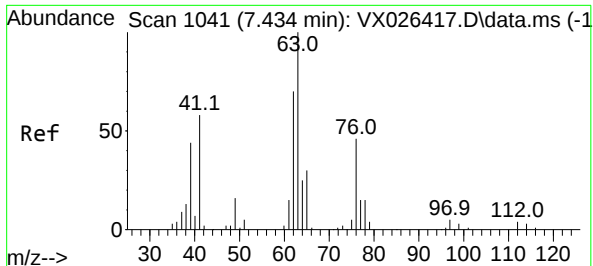
Tgt Ion:117 Resp: 14510  
Ion Ratio Lower Upper  
117 100  
119 5.9 74.7 112.1#  
121 0.0 25.4 38.0#



#41  
Methacrylonitrile  
Concen: 0.863 ug/l  
RT: 4.830 min Scan# 614  
Delta R.T. -0.091 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

Tgt Ion: 41 Resp: 1165  
Ion Ratio Lower Upper  
41 100  
39 96.1 45.4 68.0#  
67 249.4 53.2 79.8#  
52 1.7 23.0 34.6#





#45

1,2-Dichloropropane

Concen: 0.787 ug/l

RT: 7.531 min Scan# 1105

Delta R.T. 0.098 min

Lab File: VX026519.D

Acq: 19 Jan 2022 15:10

Instrument :

MSVOA\_X

ClientSampleId :

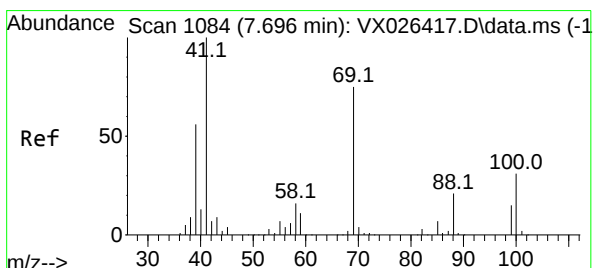
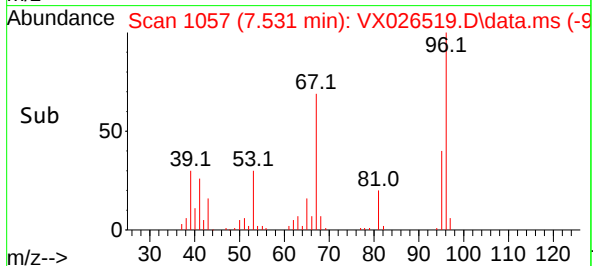
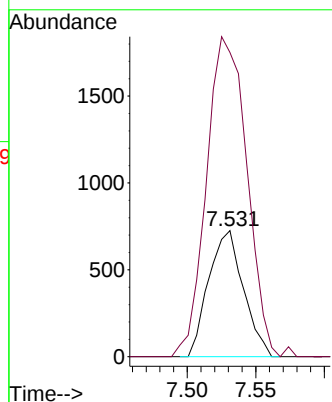
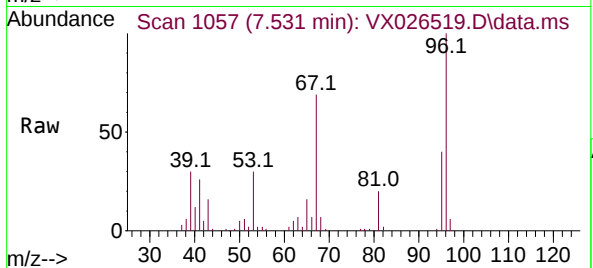
31282

Tgt Ion: 63 Resp: 1280

Ion Ratio Lower Upper

63 100

65 241.2 23.8 35.6#



#48

Methyl methacrylate

Concen: 0.840 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.128 min

Lab File: VX026519.D

Acq: 19 Jan 2022 15:10

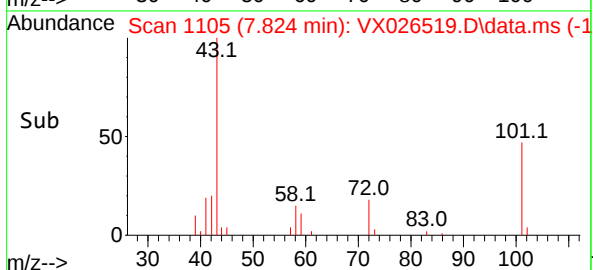
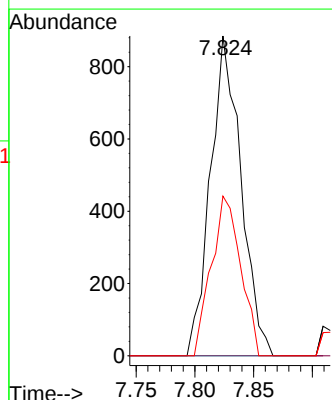
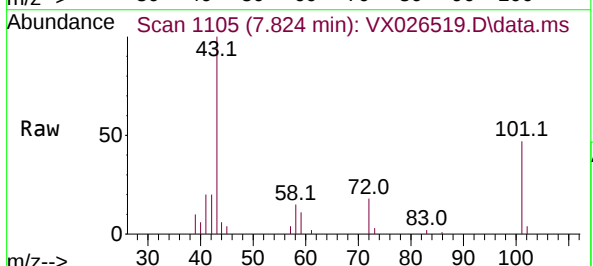
Tgt Ion: 41 Resp: 1602

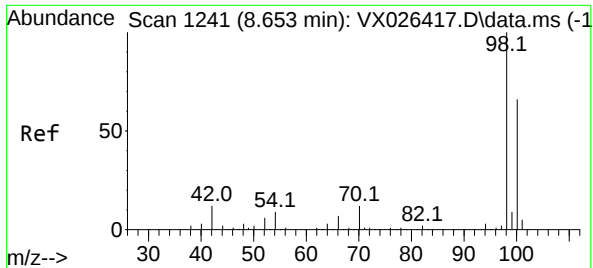
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.4#

39 47.9 45.4 68.0

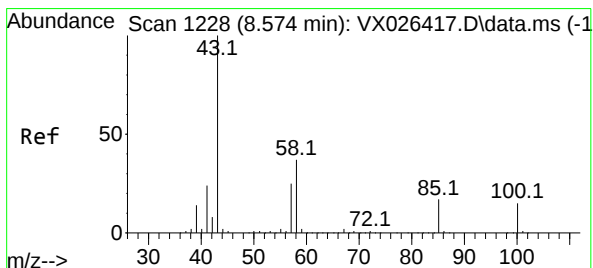
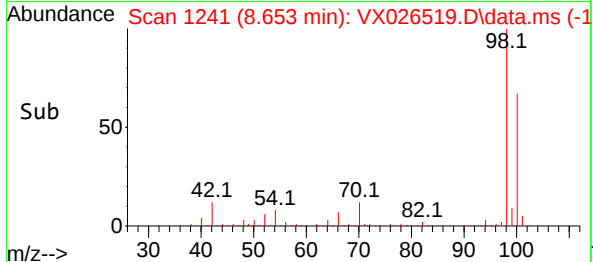
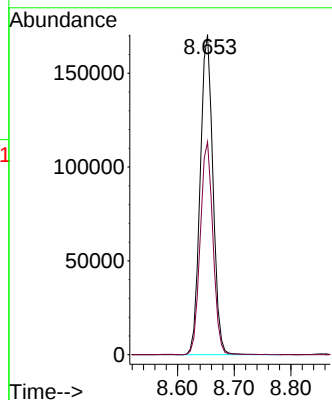
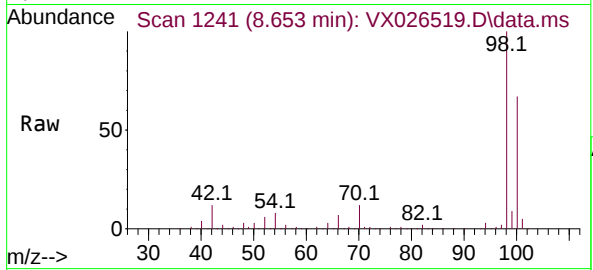




#50  
Toluene-d8  
Concen: 49.449 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

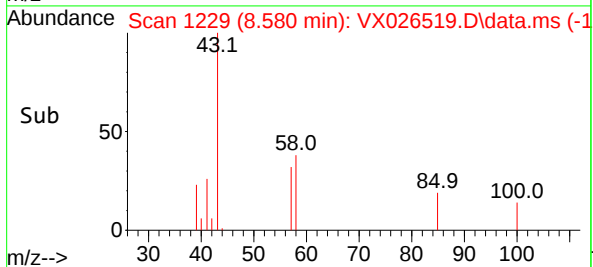
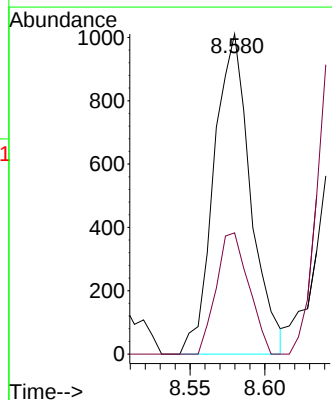
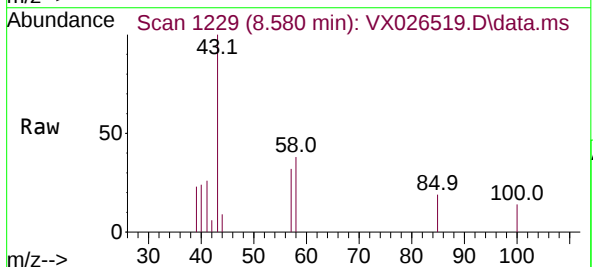
Instrument :  
MSVOA\_X  
ClientSampleId :  
31282

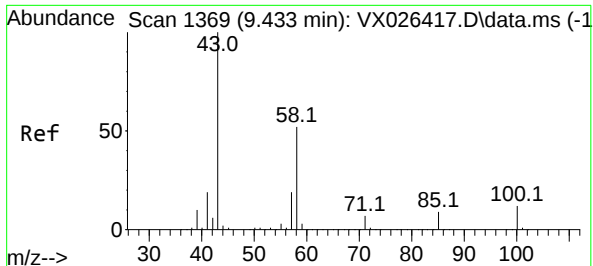
Tgt Ion: 98 Resp: 265953  
Ion Ratio Lower Upper  
98 100  
100 66.3 53.2 79.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.756 ug/l  
RT: 8.580 min Scan# 1229  
Delta R.T. 0.006 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

Tgt Ion: 43 Resp: 1726  
Ion Ratio Lower Upper  
43 100  
58 33.5 30.5 45.7

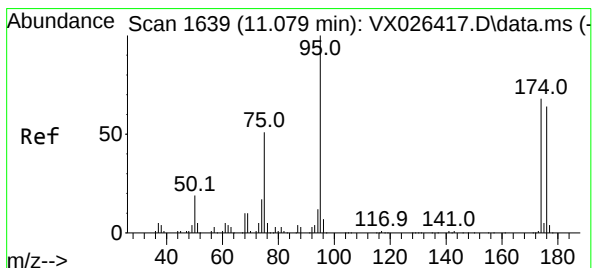
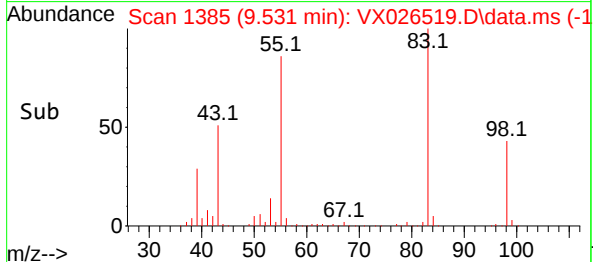
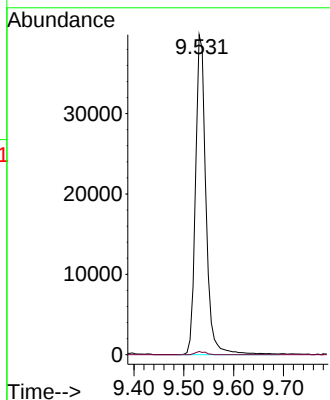
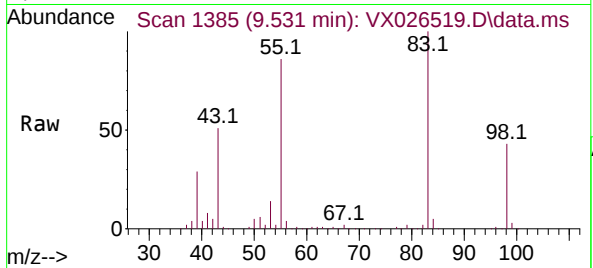




#59  
2-Hexanone  
Concen: 33.129 ug/l  
RT: 9.531 min Scan# 11  
Delta R.T. 0.098 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

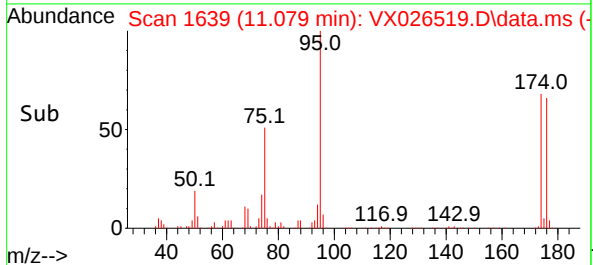
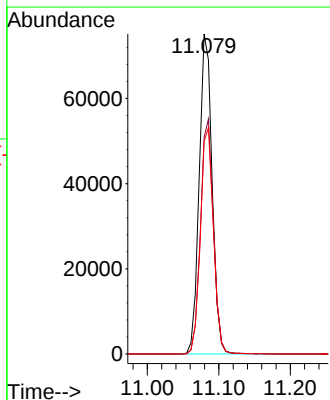
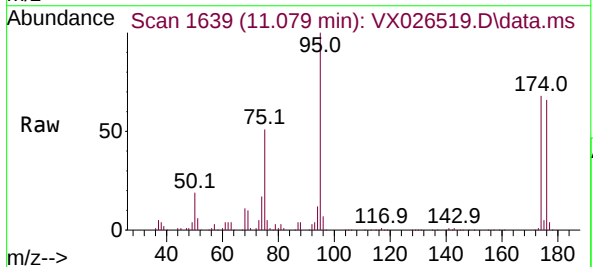
Instrument :  
MSVOA\_X  
ClientSampleId :  
31282

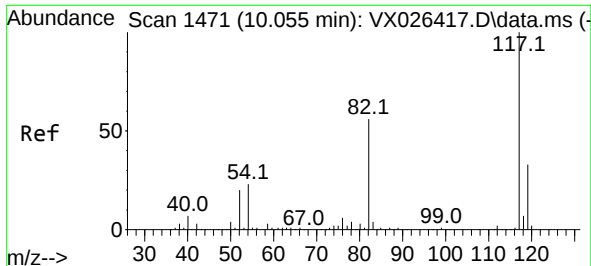
Tgt Ion: 43 Resp: 57902  
Ion Ratio Lower Upper  
43 100  
58 1.0 26.4 79.2#



#62  
4-Bromofluorobenzene  
Concen: 49.327 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

Tgt Ion: 95 Resp: 94244  
Ion Ratio Lower Upper  
95 100  
174 73.2 0.0 148.6  
176 71.3 0.0 141.4

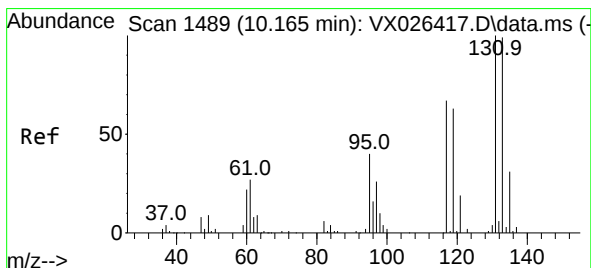
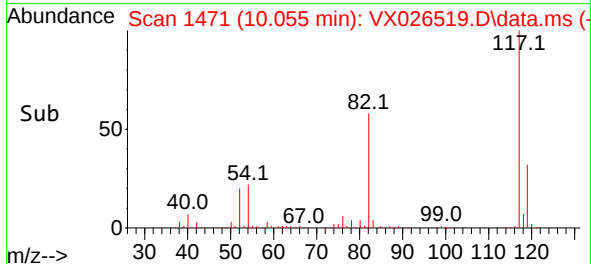
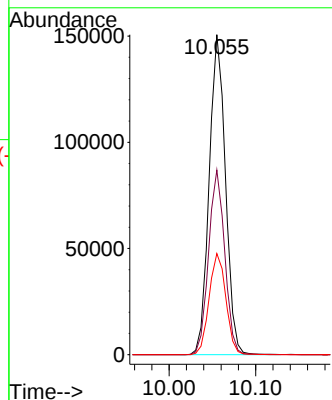
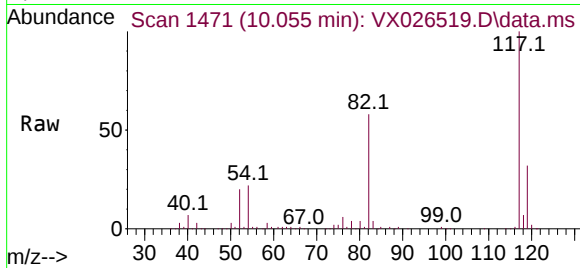




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

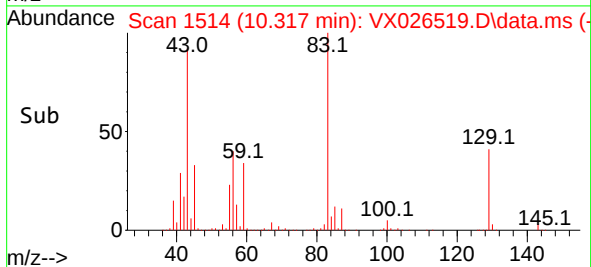
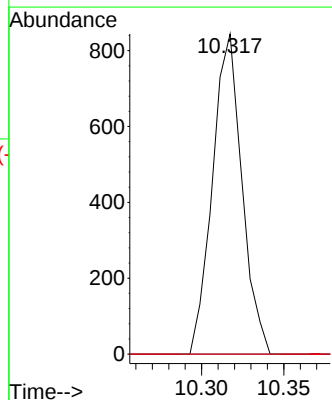
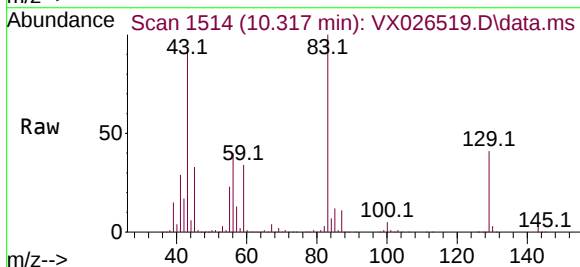
Instrument :  
MSVOA\_X  
ClientSampleId :  
31282

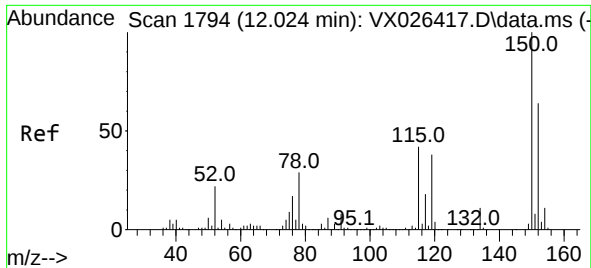
Tgt Ion:117 Resp: 196768  
Ion Ratio Lower Upper  
117 100  
82 57.7 45.2 67.8  
119 31.6 26.2 39.2



#66  
1,1,1,2-Tetrachloroethane  
Concen: 0.683 ug/l  
RT: 10.317 min Scan# 1514  
Delta R.T. 0.153 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

Tgt Ion:131 Resp: 1051  
Ion Ratio Lower Upper  
131 100  
133 0.0 47.9 143.8#  
119 0.0 31.7 95.1#

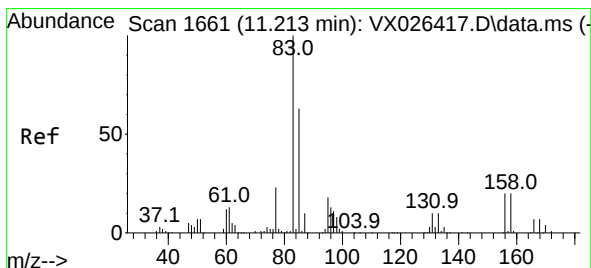
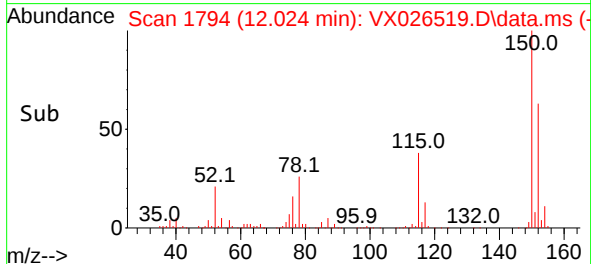
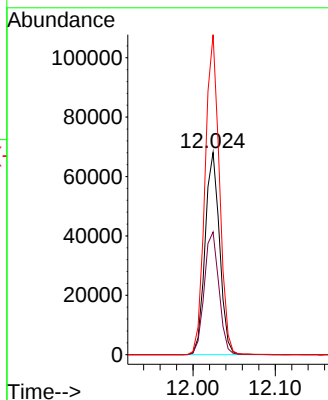
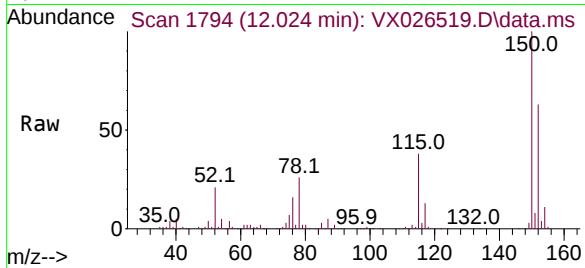




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX026519.D  
 Acq: 19 Jan 2022 15:10

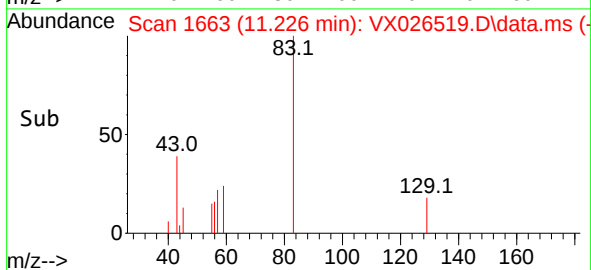
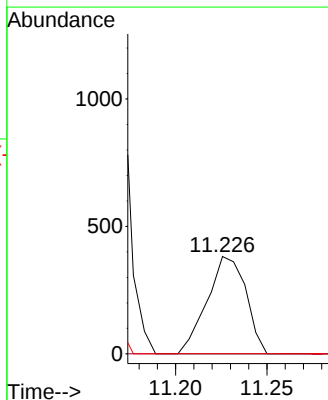
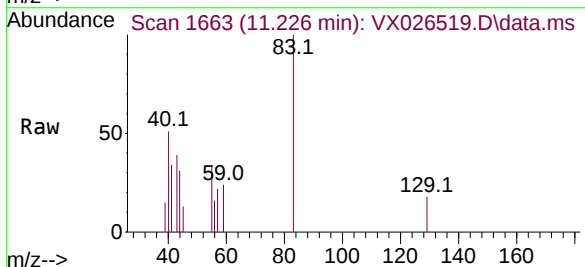
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 31282

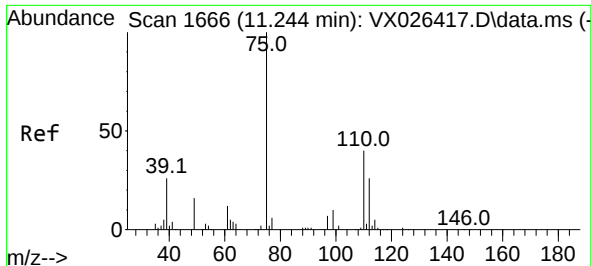
Tgt Ion:152 Resp: 83094  
 Ion Ratio Lower Upper  
 152 100  
 115 61.6 44.2 132.6  
 150 156.9 0.0 348.2



#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 0.310 ug/l  
 RT: 11.226 min Scan# 1663  
 Delta R.T. 0.012 min  
 Lab File: VX026519.D  
 Acq: 19 Jan 2022 15:10

Tgt Ion: 83 Resp: 566  
 Ion Ratio Lower Upper  
 83 100  
 131 0.0 5.3 15.9#  
 85 0.0 32.0 96.2#

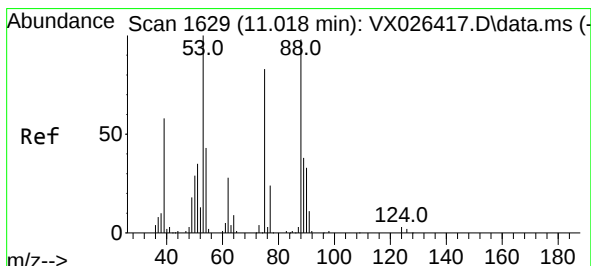
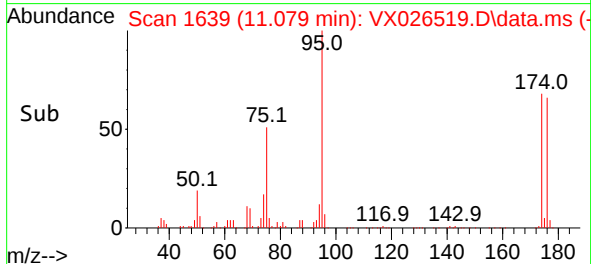
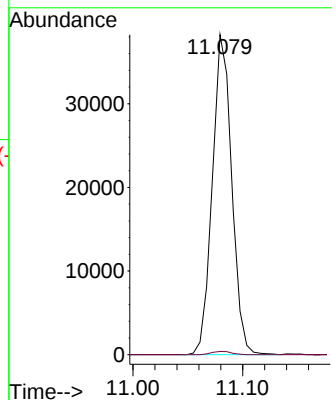
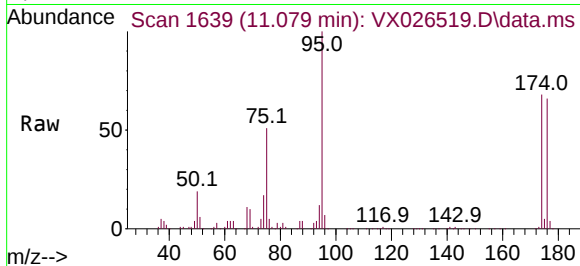




#76  
1,2,3-Trichloropropane  
Concen: 25.730 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

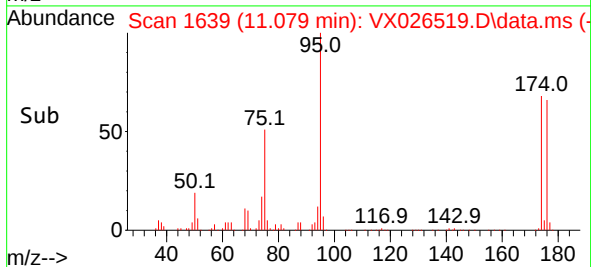
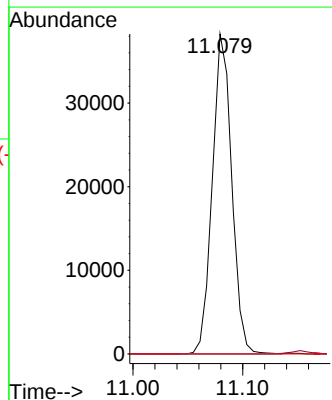
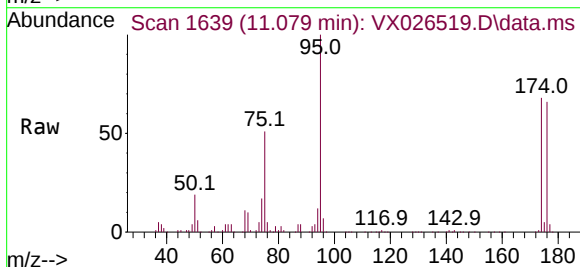
Instrument :  
MSVOA\_X  
ClientSampleId :  
31282

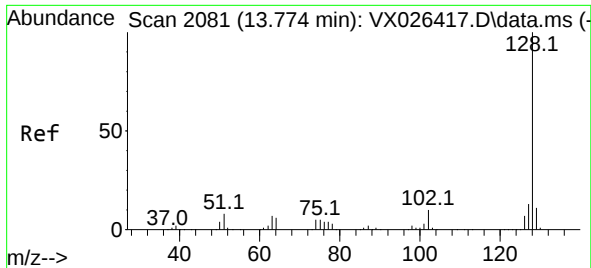
Tgt Ion: 75 Resp: 47075  
Ion Ratio Lower Upper  
75 100  
77 1.0 18.3 54.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.065 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

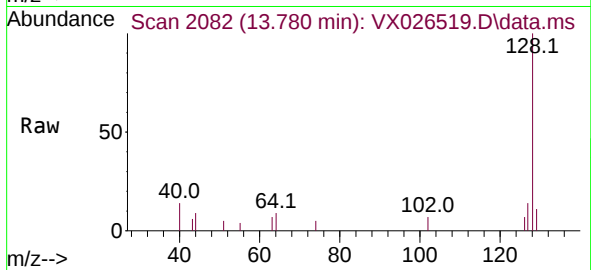
Tgt Ion: 75 Resp: 47075  
Ion Ratio Lower Upper  
75 100  
53 0.0 94.0 141.0#  
89 0.0 37.0 55.4#





#95  
Naphthalene  
Concen: 0.327 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX026519.D  
Acq: 19 Jan 2022 15:10

Instrument :  
MSVOA\_X  
ClientSampleId :  
31282



Tgt Ion:128 Resp: 1933  
Ion Ratio Lower Upper  
128 100  
127 15.6 10.3 15.5#  
129 9.2 8.7 13.1

