

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090922\  
 Data File : VX031252.D  
 Acq On : 09 Sep 2022 13:23  
 Operator : JC/MD  
 Sample : N4505-06DL 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CLI-109DL

Quant Time: Sep 09 15:26:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X090722W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 07 23:22:41 2022  
 Response via : Initial Calibration

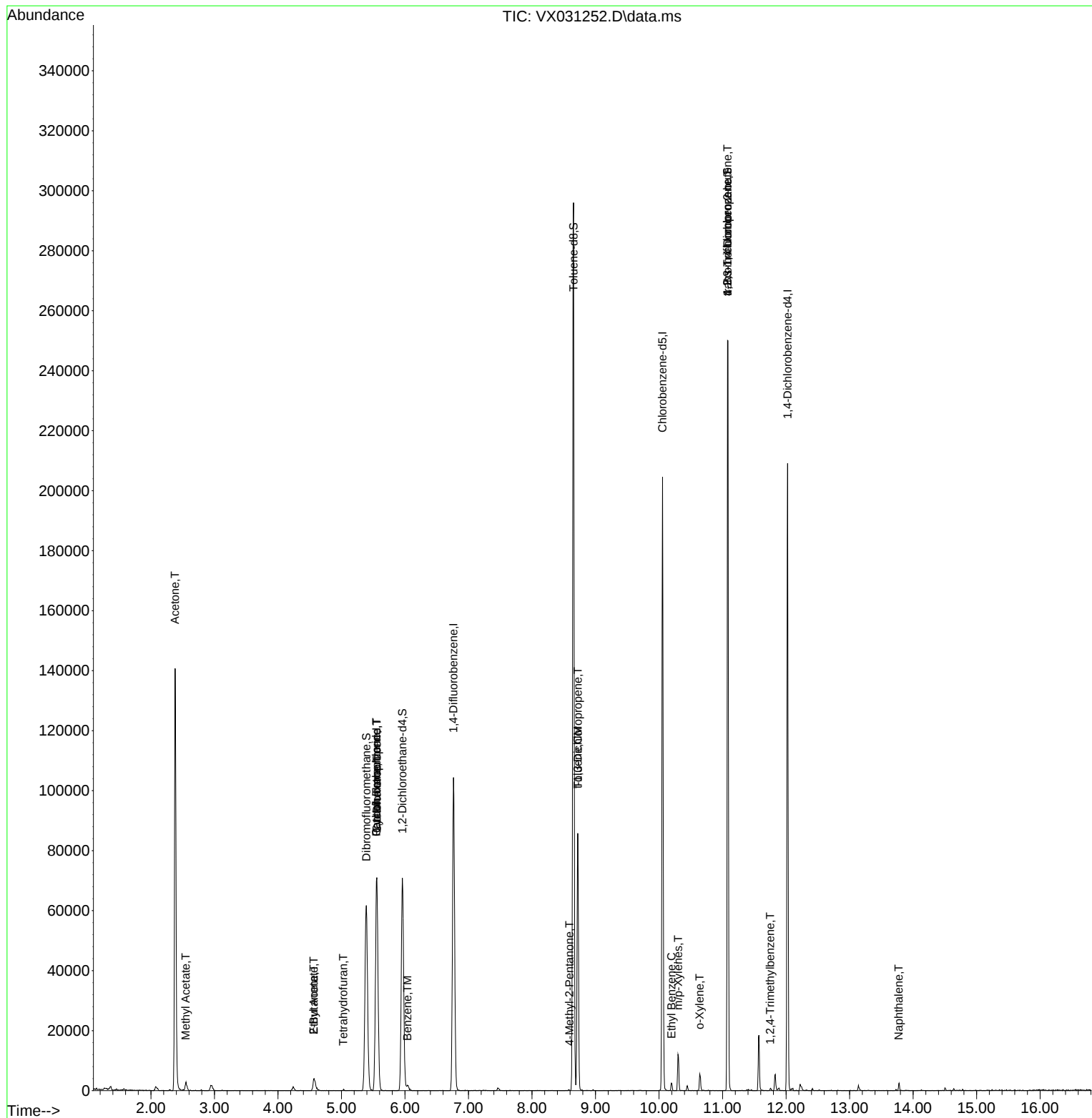
| Compound                      | R.T. QIon |                | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|-----------|----------------|----------|-----------|----------|----------|
| -----                         |           |                |          |           |          |          |
| Internal Standards            |           |                |          |           |          |          |
| 1) Pentafluorobenzene         | 5.550     | 168            | 56548    | 50.000    | ug/l     | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763     | 114            | 99061    | 50.000    | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117            | 84567    | 50.000    | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152            | 38285    | 50.000    | ug/l     | 0.00     |
| System Monitoring Compounds   |           |                |          |           |          |          |
| 33) 1,2-Dichloroethane-d4     | 5.958     | 65             | 81034    | 60.527    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 74 - 125 | Recovery | =         | 121.060% |          |
| 35) Dibromofluoromethane      | 5.391     | 113            | 53021    | 49.116    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 75 - 124 | Recovery | =         | 98.240%  |          |
| 50) Toluene-d8                | 8.653     | 98             | 175756   | 44.812    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 86 - 113 | Recovery | =         | 89.620%  |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95             | 67344    | 46.854    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 83 - 123 | Recovery | =         | 93.700%  |          |
| Target Compounds              |           |                |          |           |          |          |
|                               |           |                |          |           | Qvalue   |          |
| 11) Tert butyl alcohol        | 2.959     | 59             | 2234     | Below Cal | #        | 74       |
| 16) Acetone                   | 2.380     | 43             | 146579   | 316.204   | ug/l     | # 86     |
| 18) Methyl Acetate            | 2.544     | 43             | 471      | 0.392     | ug/l     | # 51     |
| 25) 2-Butanone                | 4.562     | 43             | 5663     | 8.247     | ug/l     | 91       |
| 29) Tetrahydrofuran           | 5.025     | 42             | 97       | 0.239     | ug/l     | # 28     |
| 31) Cyclohexane               | 5.556     | 56             | 1541     | 1.030     | ug/l     | # 34     |
| 36) 1,1-Dichloropropene       | 5.556     | 75             | 5374     | 3.324     | ug/l     | # 48     |
| 37) Ethyl Acetate             | 4.562     | 43             | 5663     | 3.949     | ug/l     | # 67     |
| 38) Carbon Tetrachloride      | 5.550     | 117            | 7301     | 4.292     | ug/l     | # 17     |
| 40) Benzene                   | 6.037     | 78             | 2112     | 0.481     | ug/l     | # 85     |
| 51) 4-Methyl-2-Pentanone      | 8.592     | 43             | 361      | 0.261     | ug/l     | 91       |
| 52) Toluene                   | 8.720     | 92             | 32089    | 11.078    | ug/l     | 98       |
| 53) t-1,3-Dichloropropene     | 8.720     | 75             | 476      | 0.274     | ug/l     | # 1      |
| 67) Ethyl Benzene             | 10.195    | 91             | 1741     | 0.386     | ug/l     | # 71     |
| 68) m/p-Xylenes               | 10.299    | 106            | 2779     | 1.661     | ug/l     | 78       |
| 69) o-Xylene                  | 10.640    | 106            | 1171     | 0.701     | ug/l     | 79       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75             | 41313    | 39.539    | ug/l     | # 37     |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75             | 41313    | 127.510   | ug/l     | # 12     |
| 84) 1,2,4-Trimethylbenzene    | 11.750    | 105            | 594      | 0.219     | ug/l     | 91       |
| 95) Naphthalene               | 13.774    | 128            | 2031     | 0.673     | ug/l     | # 93     |
| -----                         |           |                |          |           |          |          |

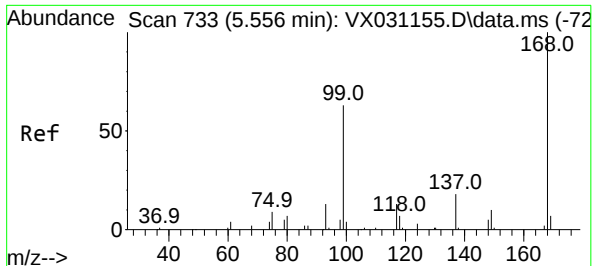
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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CLI-109DL

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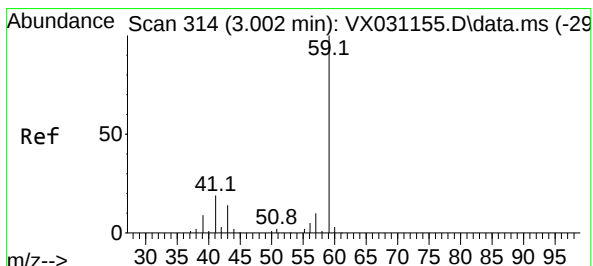
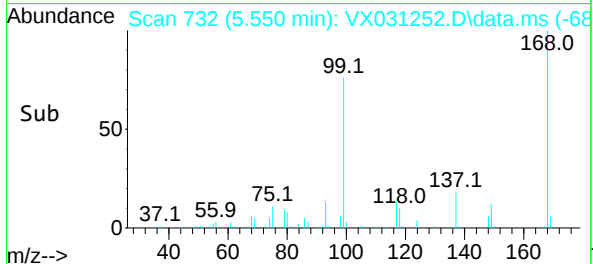
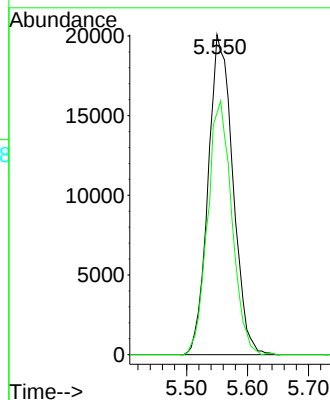
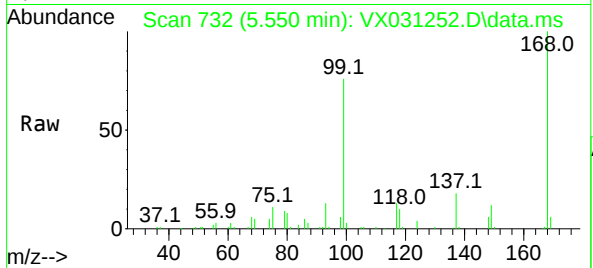




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

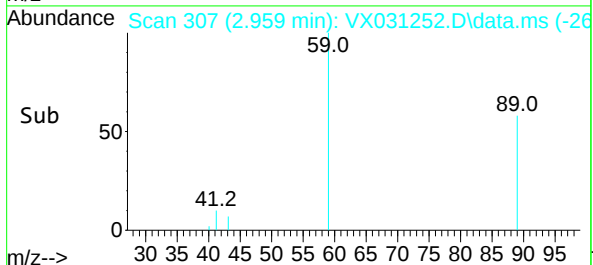
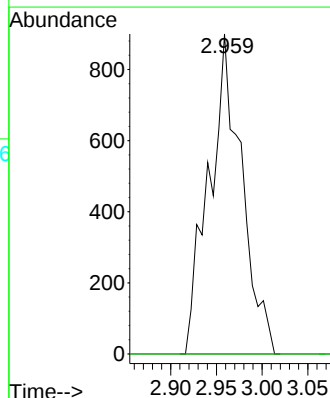
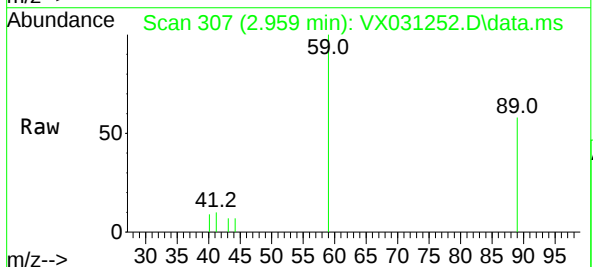
Instrument :  
MSVOA\_X  
ClientSampleId :  
CLI-109DL

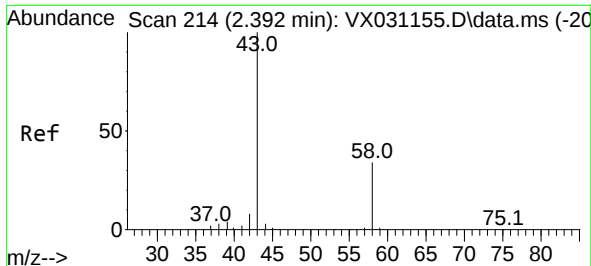
Tgt Ion:168 Resp: 56548  
Ion Ratio Lower Upper  
168 100  
99 75.5 44.0 66.0#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.959 min Scan# 307  
Delta R.T. -0.043 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

Tgt Ion: 59 Resp: 2234  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

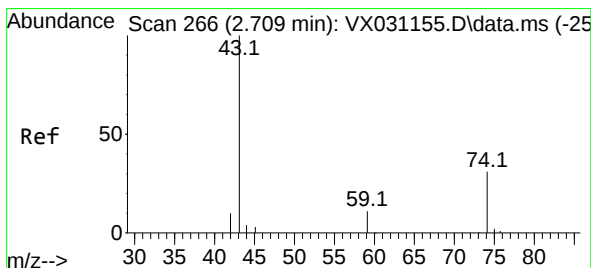
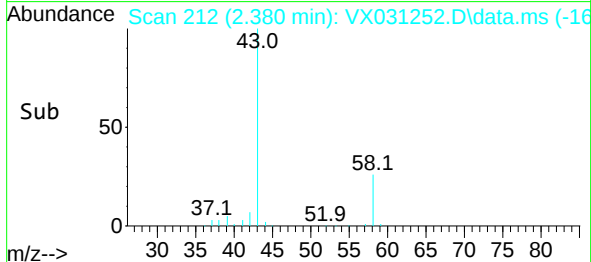
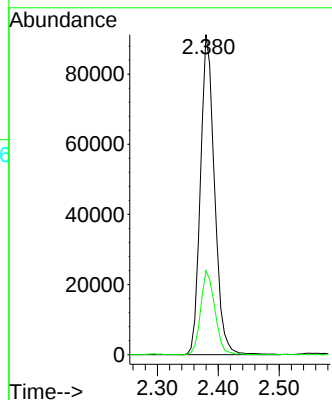
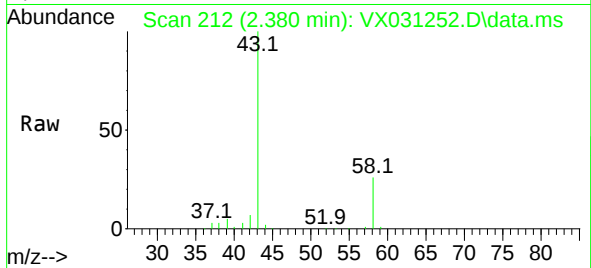




#16  
Acetone  
Concen: 316.204 ug/l  
RT: 2.380 min Scan# 214  
Delta R.T. -0.012 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

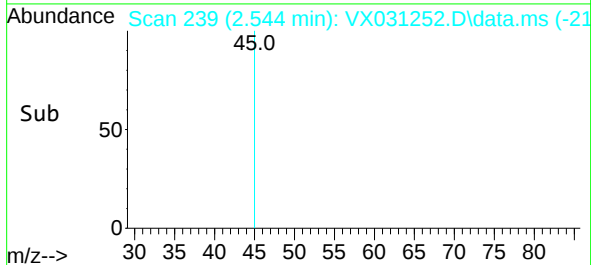
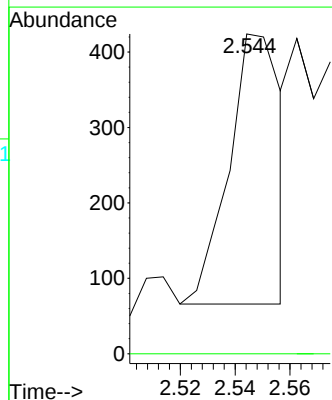
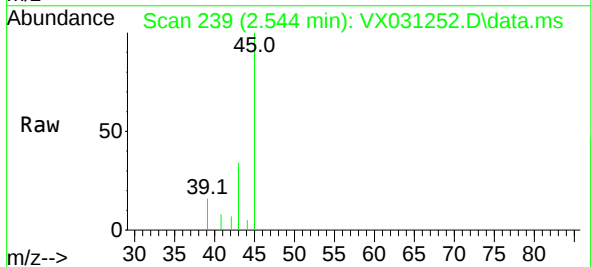
Instrument :  
MSVOA\_X  
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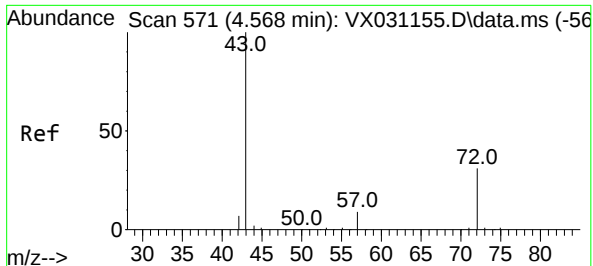
Tgt Ion: 43 Resp: 146579  
Ion Ratio Lower Upper  
43 100  
58 26.3 27.7 41.5#



#18  
Methyl Acetate  
Concen: 0.392 ug/l  
RT: 2.544 min Scan# 239  
Delta R.T. -0.165 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

Tgt Ion: 43 Resp: 471  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.4 29.2#





#25

2-Butanone

Concen: 8.247 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX031252.D

Acq: 09 Sep 2022 13:23

Instrument :

MSVOA\_X

ClientSampleId :

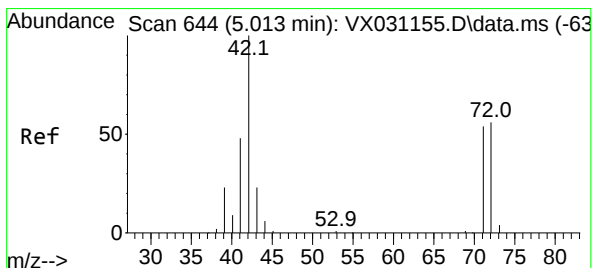
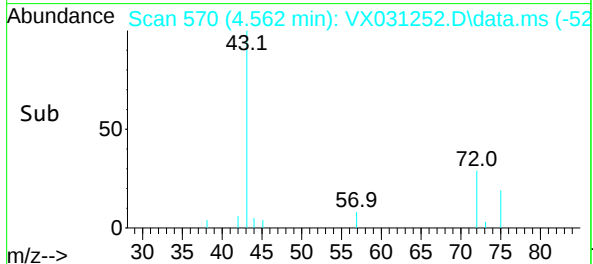
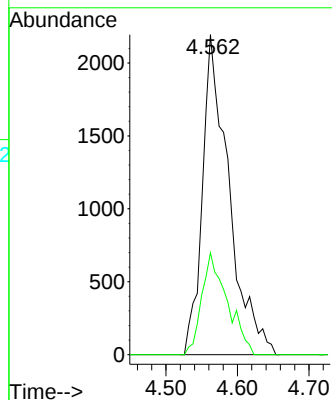
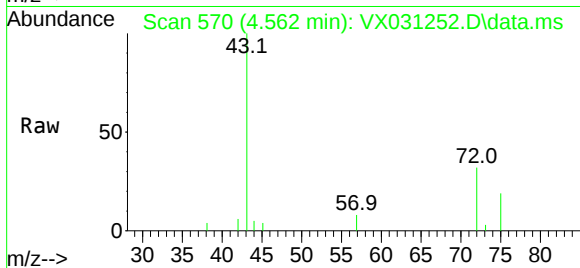
CLI-109DL

Tgt Ion: 43 Resp: 5663

Ion Ratio Lower Upper

43 100

72 31.9 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.239 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.012 min

Lab File: VX031252.D

Acq: 09 Sep 2022 13:23

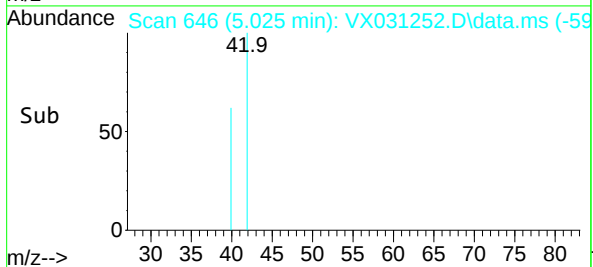
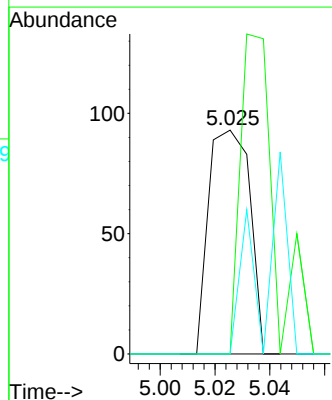
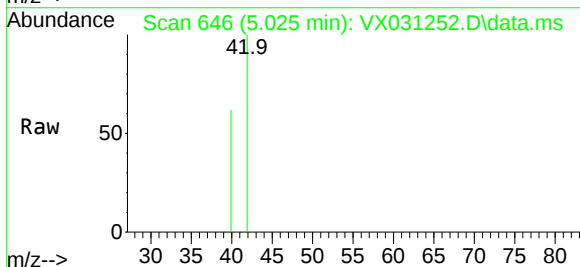
Tgt Ion: 42 Resp: 97

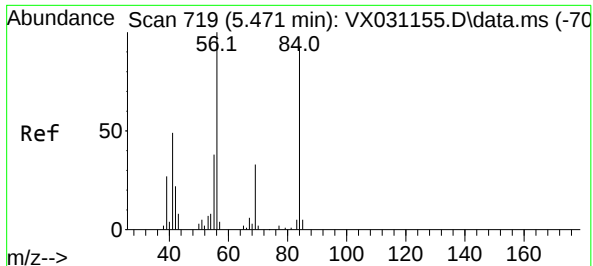
Ion Ratio Lower Upper

42 100

72 118.6 36.5 54.7#

71 22.7 33.9 50.9#

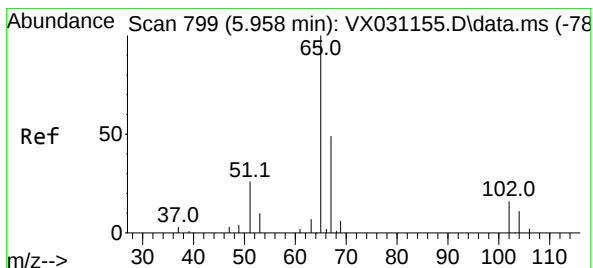
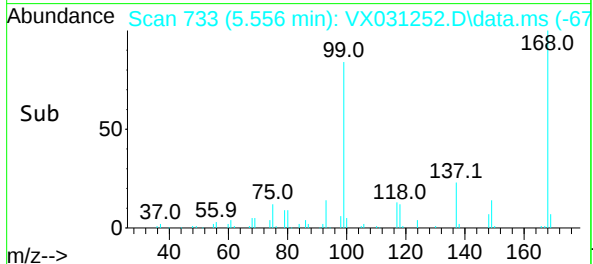
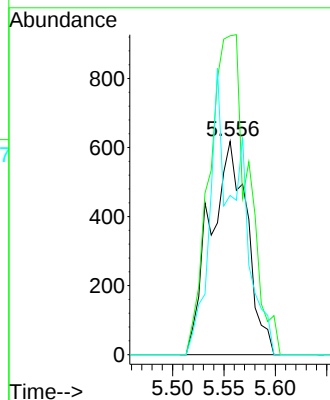
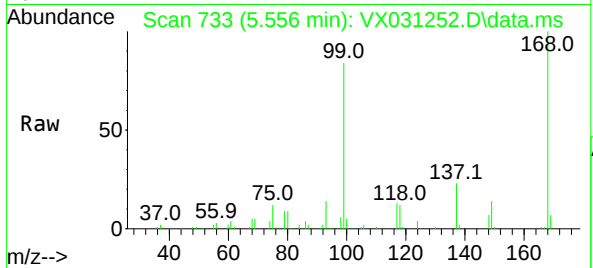




#31  
Cyclohexane  
Concen: 1.030 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

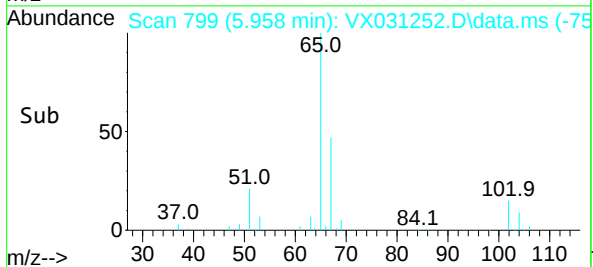
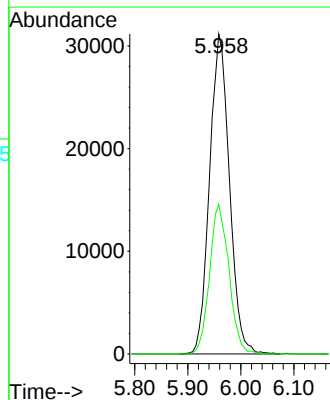
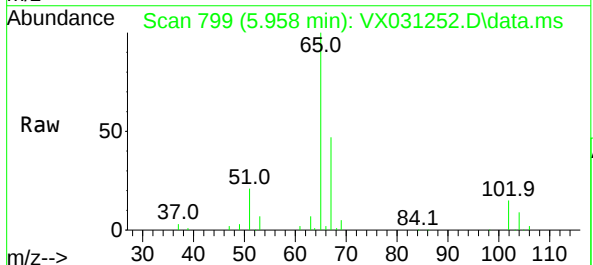
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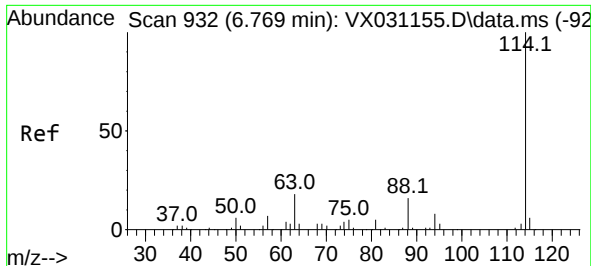
Tgt Ion: 56 Resp: 1541  
Ion Ratio Lower Upper  
56 100  
69 149.5 25.4 38.0#  
84 74.6 68.9 103.3



#33  
1,2-Dichloroethane-d4  
Concen: 60.527 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

Tgt Ion: 65 Resp: 81034  
Ion Ratio Lower Upper  
65 100  
67 45.5 0.0 109.6

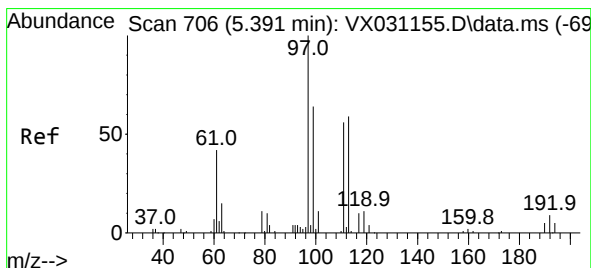
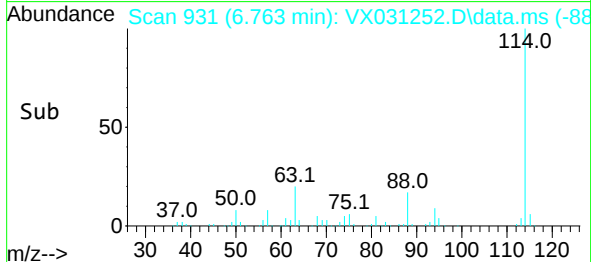
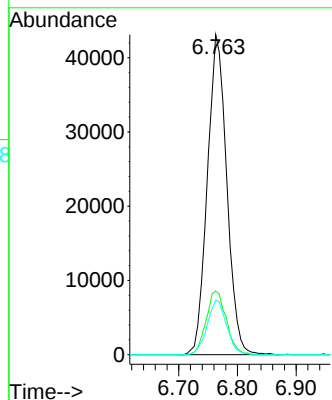
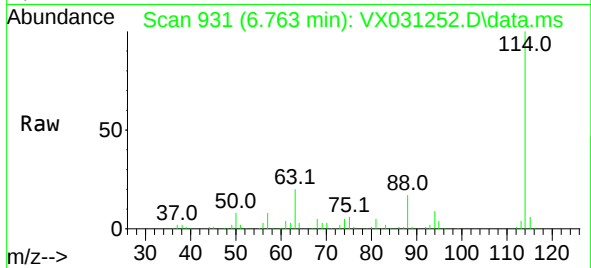




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

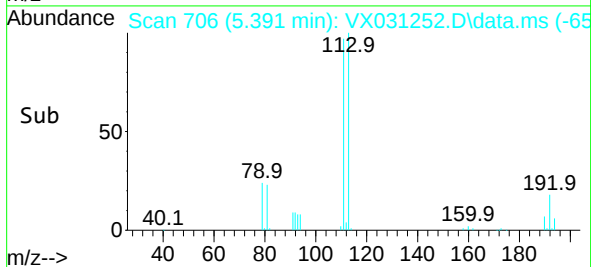
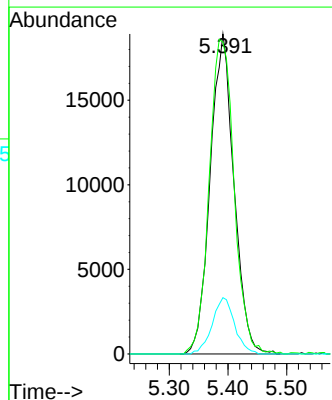
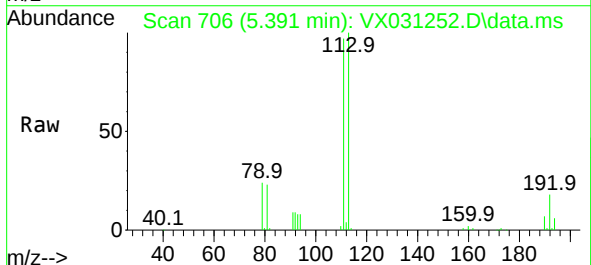
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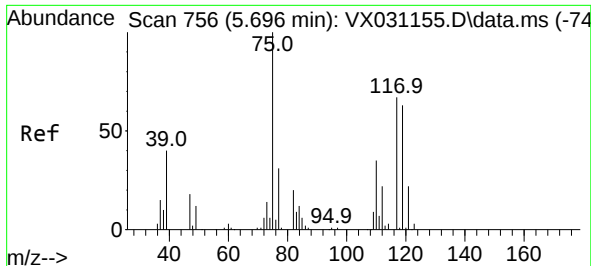
Tgt Ion:114 Resp: 99061  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 38.4  
88 17.1 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 49.116 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. -0.000 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

Tgt Ion:113 Resp: 53021  
Ion Ratio Lower Upper  
113 100  
111 103.3 83.2 124.8  
192 16.7 14.8 22.2





#36

1,1-Dichloropropene

Concen: 3.324 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX031252.D

Acq: 09 Sep 2022 13:23

Instrument :

MSVOA\_X

ClientSampleId :

CLI-109DL

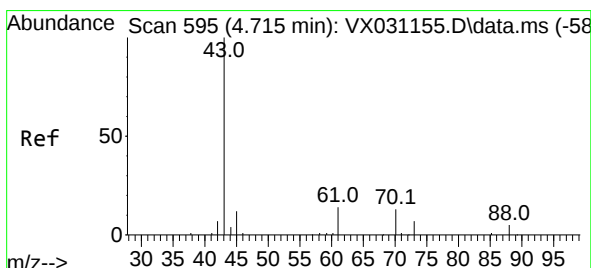
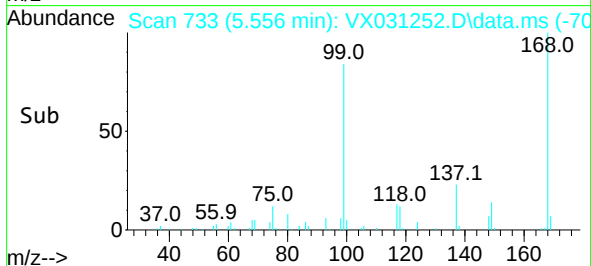
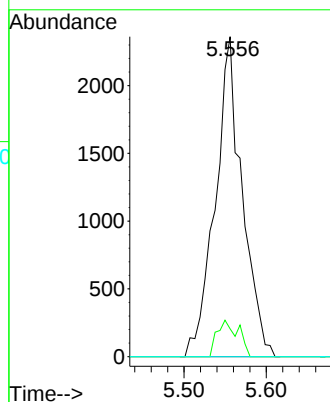
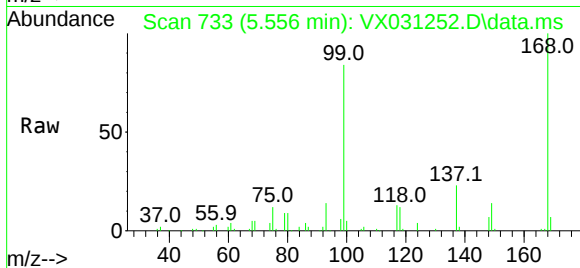
Tgt Ion: 75 Resp: 5374

Ion Ratio Lower Upper

75 100

110 9.0 19.3 57.9#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 3.949 ug/l

RT: 4.562 min Scan# 570

Delta R.T. -0.152 min

Lab File: VX031252.D

Acq: 09 Sep 2022 13:23

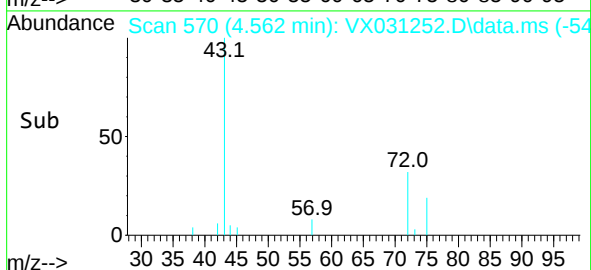
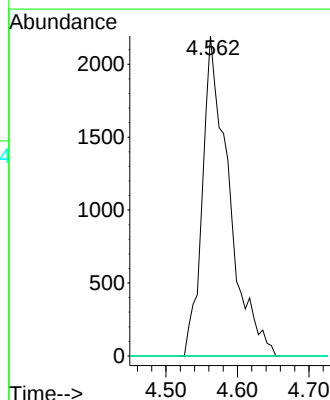
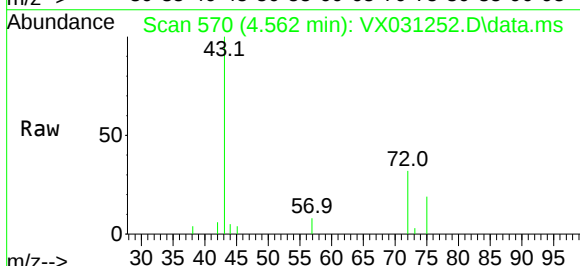
Tgt Ion: 43 Resp: 5663

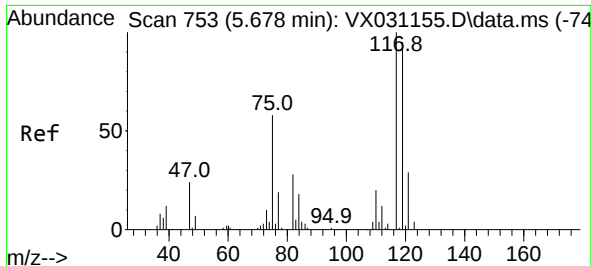
Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

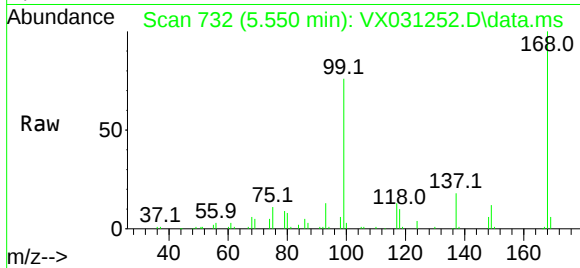
70 0.0 9.3 13.9#



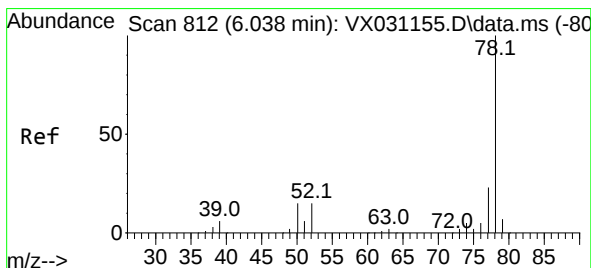
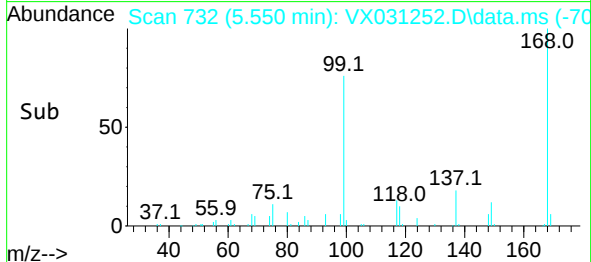
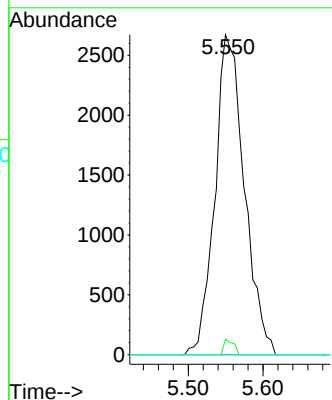


#38  
Carbon Tetrachloride  
Concen: 4.292 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
CLI-109DL

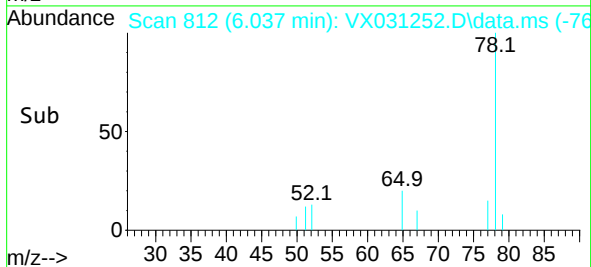
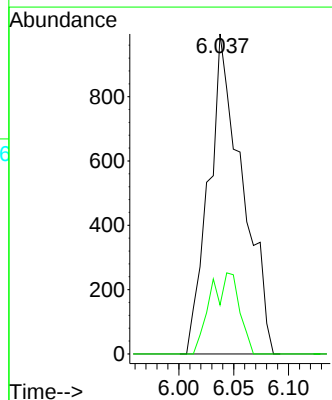
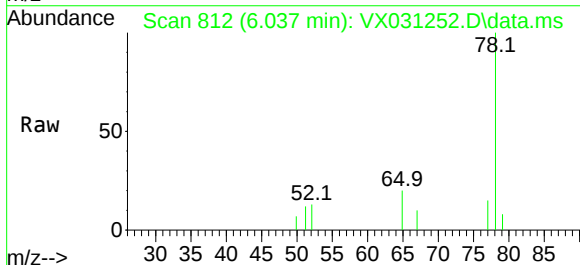


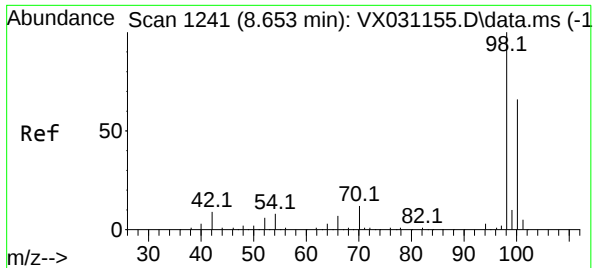
Tgt Ion: 117 Resp: 7301  
Ion Ratio Lower Upper  
117 100  
119 4.9 74.1 111.1#  
121 0.0 25.8 38.8#



#40  
Benzene  
Concen: 0.481 ug/l  
RT: 6.037 min Scan# 812  
Delta R.T. -0.000 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

Tgt Ion: 78 Resp: 2112  
Ion Ratio Lower Upper  
78 100  
77 15.3 18.0 27.0#

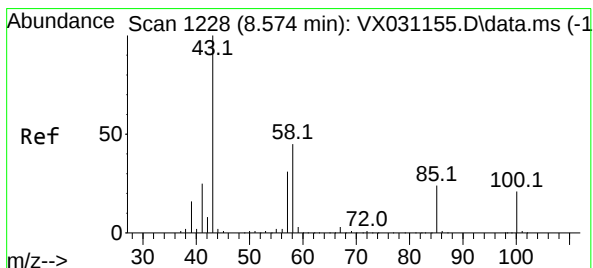
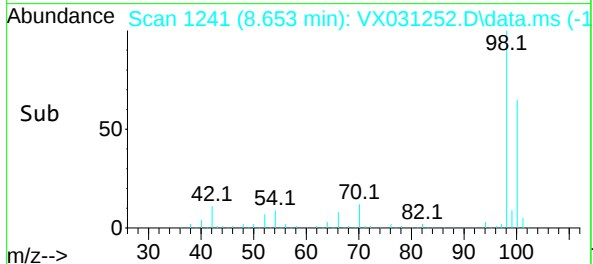
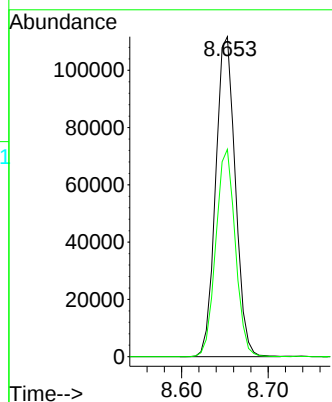
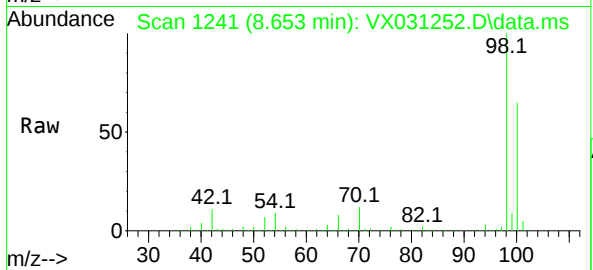




#50  
Toluene-d8  
Concen: 44.812 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

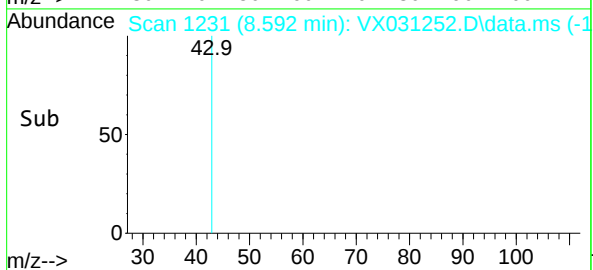
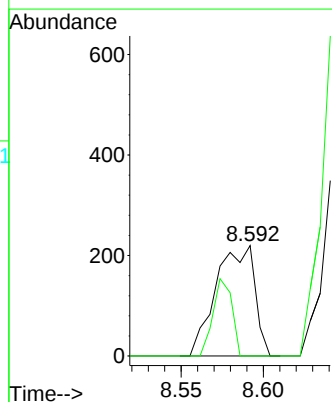
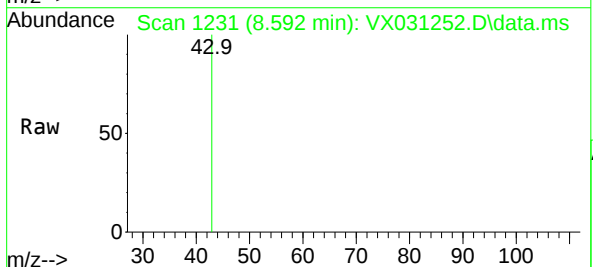
Instrument :  
MSVOA\_X  
ClientSampleId :  
CLI-109DL

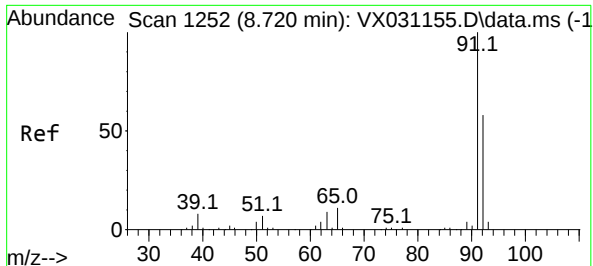
Tgt Ion: 98 Resp: 175756  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.3 78.5



#51  
4-Methyl-2-Pentanone  
Concen: 0.261 ug/l  
RT: 8.592 min Scan# 1231  
Delta R.T. 0.018 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

Tgt Ion: 43 Resp: 361  
Ion Ratio Lower Upper  
43 100  
58 33.8 31.4 47.2

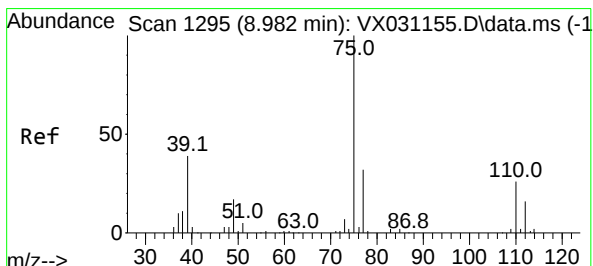
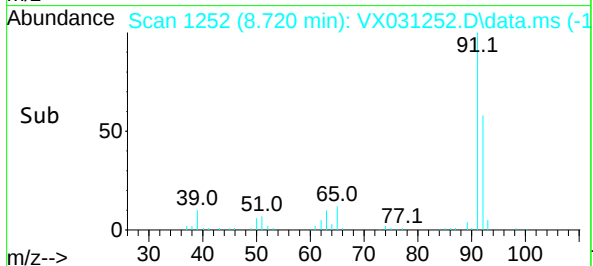
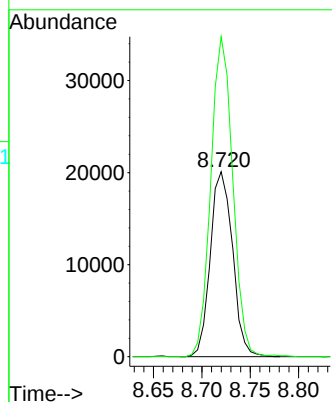
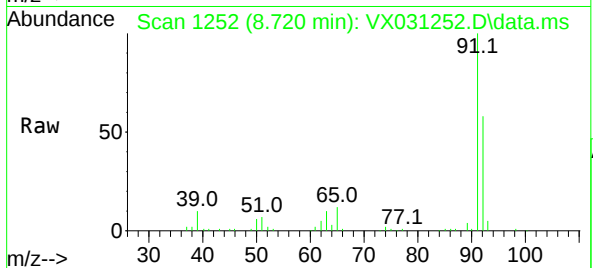




#52  
Toluene  
Concen: 11.078 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

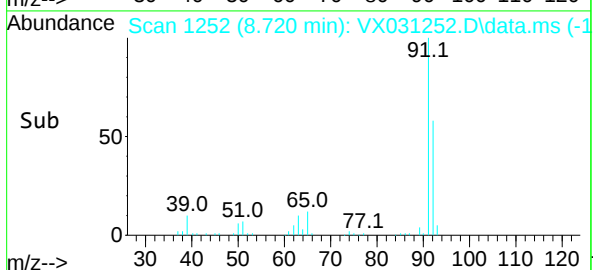
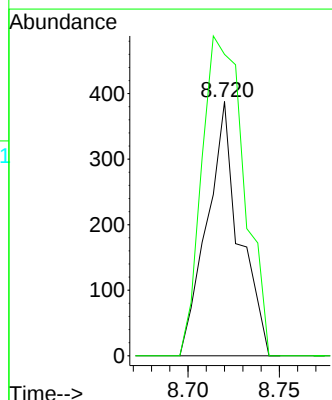
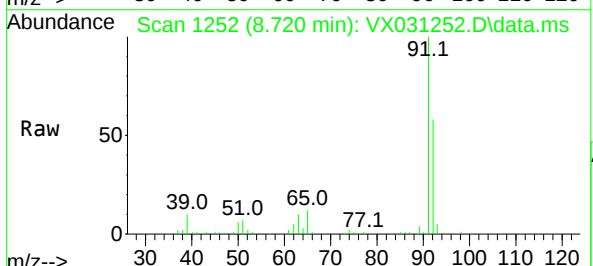
Instrument :  
MSVOA\_X  
ClientSampleId :  
CLI-109DL

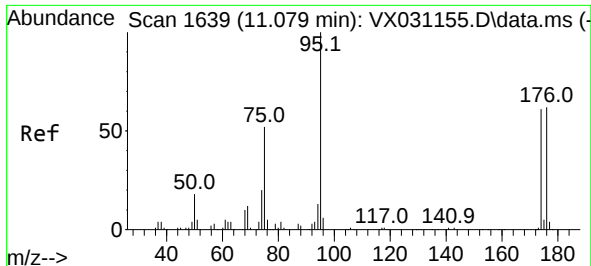
Tgt Ion: 92 Resp: 32089  
Ion Ratio Lower Upper  
92 100  
91 171.1 139.2 208.8



#53  
t-1,3-Dichloropropene  
Concen: 0.274 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.262 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

Tgt Ion: 75 Resp: 476  
Ion Ratio Lower Upper  
75 100  
77 118.6 26.3 39.5#

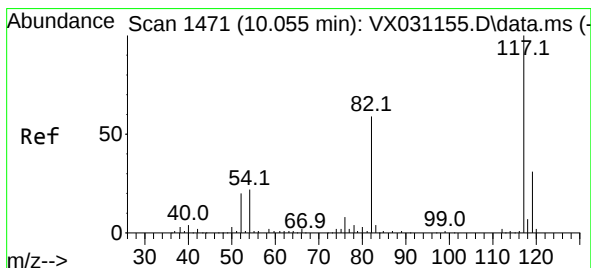
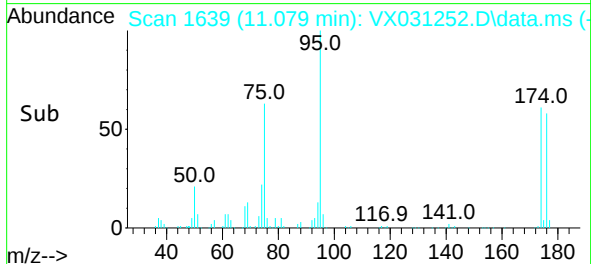
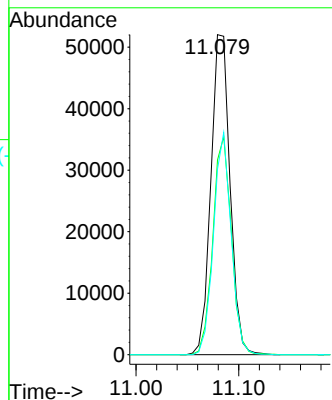
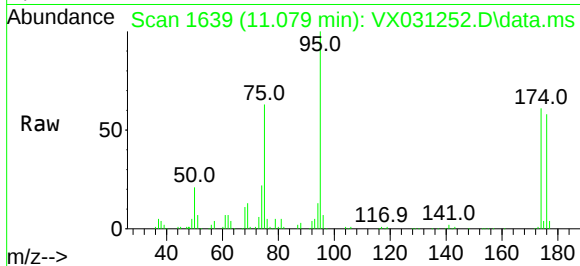




#62  
4-Bromofluorobenzene  
Concen: 46.854 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

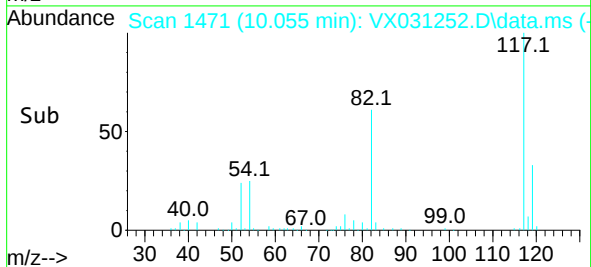
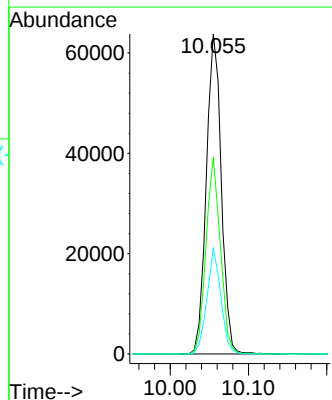
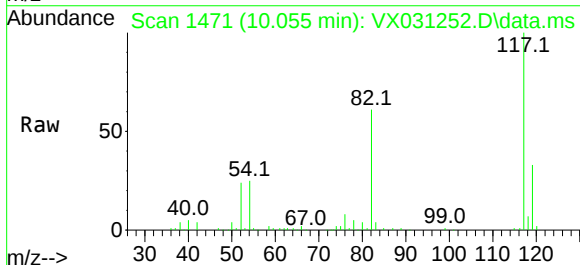
Instrument :  
MSVOA\_X  
ClientSampleId :  
CLI-109DL

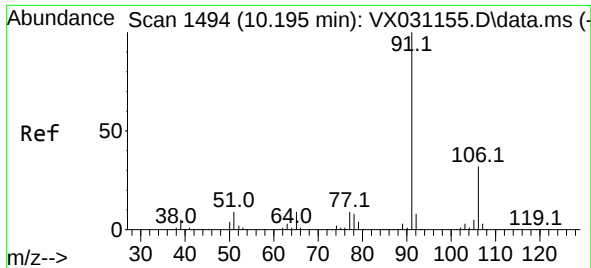
Tgt Ion: 95 Resp: 67344  
Ion Ratio Lower Upper  
95 100  
174 65.8 0.0 149.0  
176 63.8 0.0 146.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

Tgt Ion: 117 Resp: 84567  
Ion Ratio Lower Upper  
117 100  
82 61.4 42.7 64.1  
119 32.9 25.4 38.2

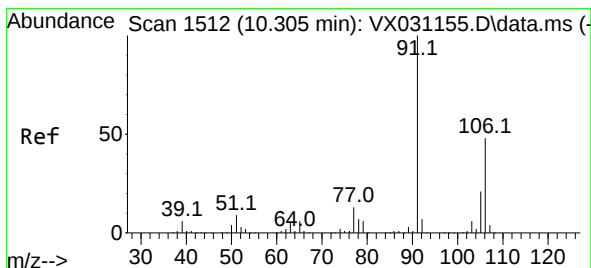
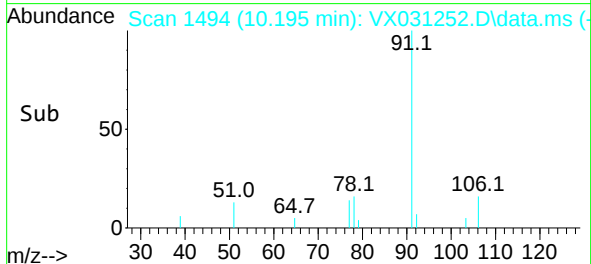
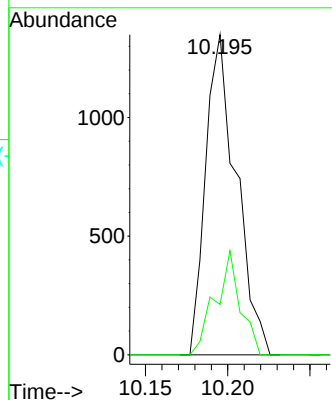
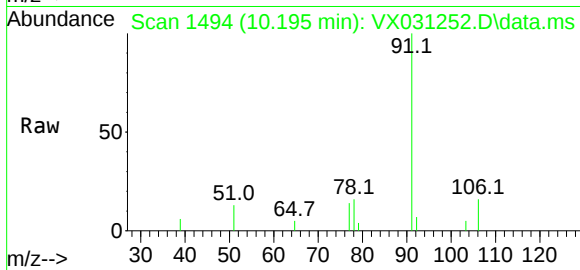




#67  
Ethyl Benzene  
Concen: 0.386 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. -0.000 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

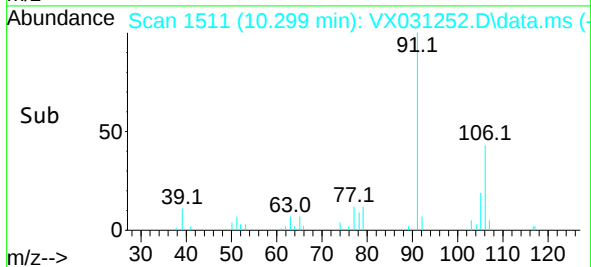
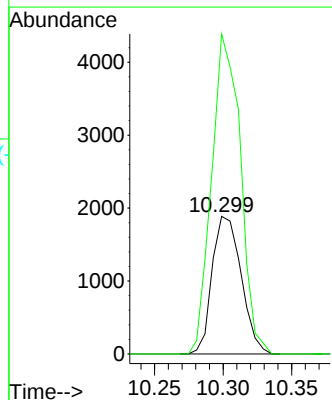
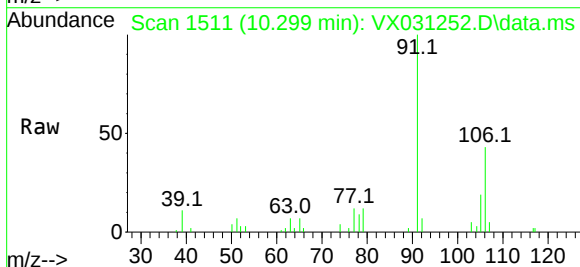
Instrument :  
MSVOA\_X  
ClientSampleId :  
CLI-109DL

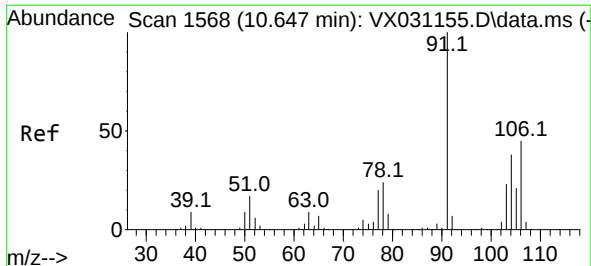
Tgt Ion: 91 Resp: 1741  
Ion Ratio Lower Upper  
91 100  
106 15.7 25.5 38.3#



#68  
m/p-Xylenes  
Concen: 1.661 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.006 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

Tgt Ion: 106 Resp: 2779  
Ion Ratio Lower Upper  
106 100  
91 231.0 158.2 237.4





#69

o-Xylene

Concen: 0.701 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX031252.D

Acq: 09 Sep 2022 13:23

Instrument :

MSVOA\_X

ClientSampleId :

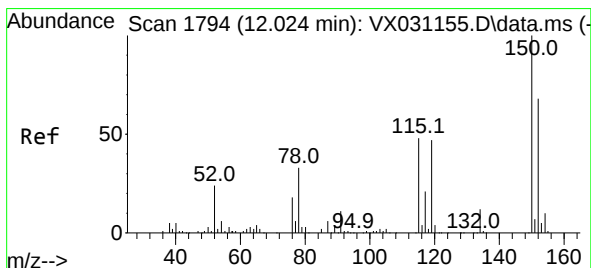
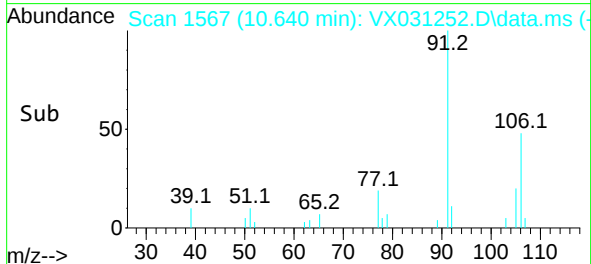
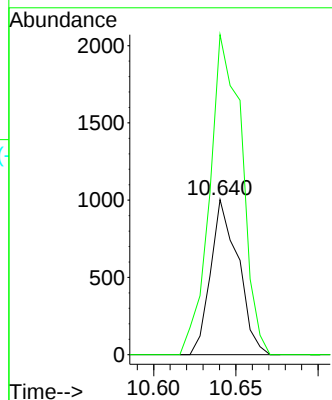
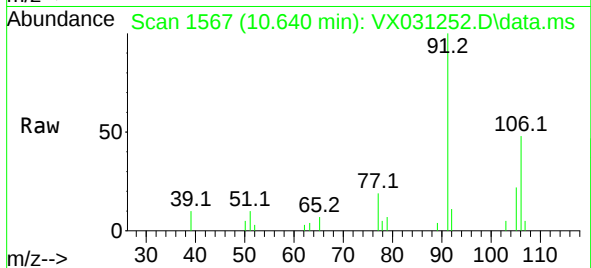
CLI-109DL

Tgt Ion:106 Resp: 1171

Ion Ratio Lower Upper

106 100

91 239.9 103.8 311.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX031252.D

Acq: 09 Sep 2022 13:23

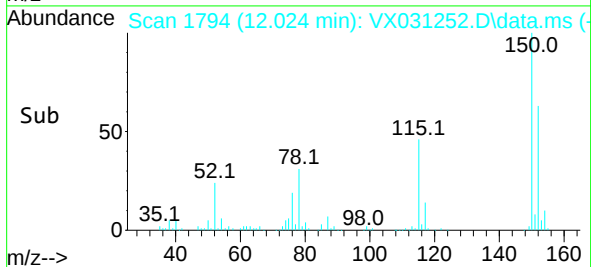
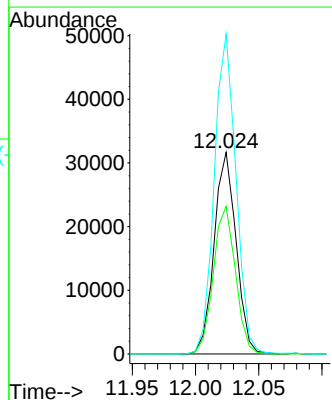
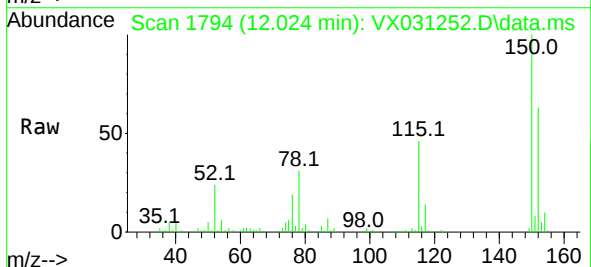
Tgt Ion:152 Resp: 38285

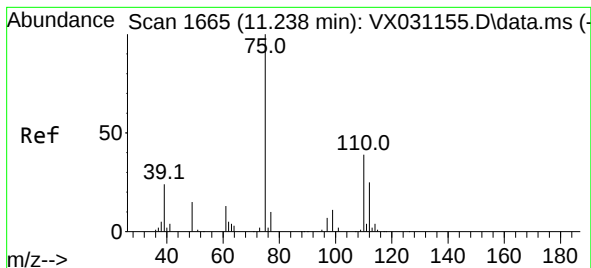
Ion Ratio Lower Upper

152 100

115 73.6 40.5 121.5

150 156.5 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 39.539 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX031252.D

Acq: 09 Sep 2022 13:23

Instrument :

MSVOA\_X

ClientSampleId :

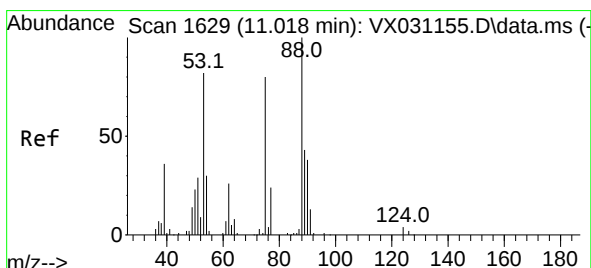
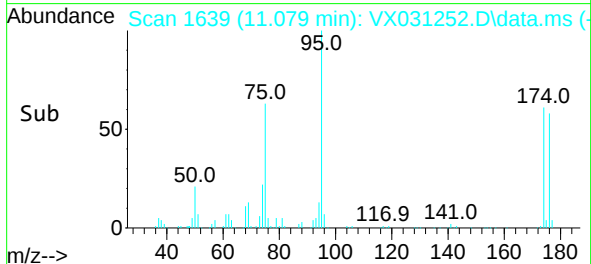
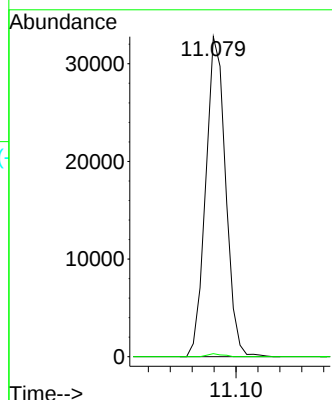
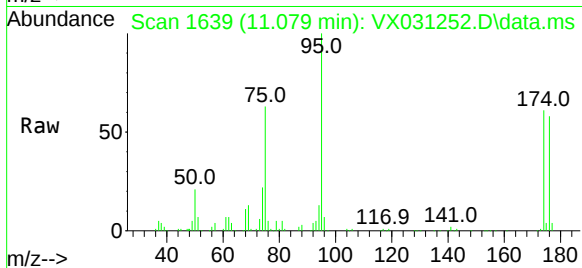
CLI-109DL

Tgt Ion: 75 Resp: 41313

Ion Ratio Lower Upper

75 100

77 0.7 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.510 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX031252.D

Acq: 09 Sep 2022 13:23

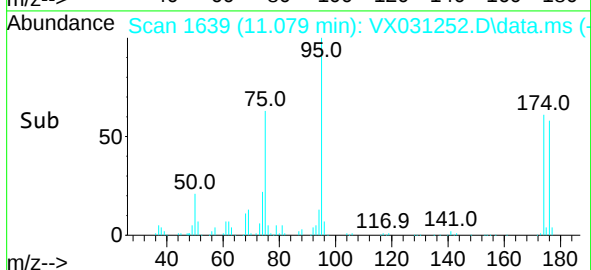
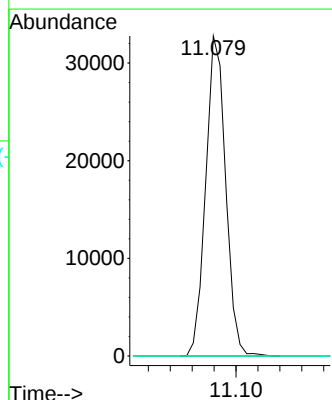
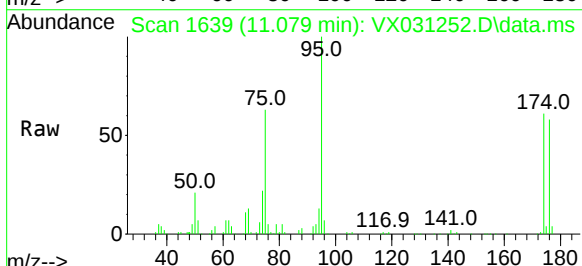
Tgt Ion: 75 Resp: 41313

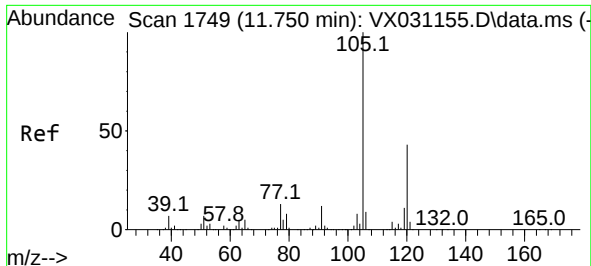
Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#

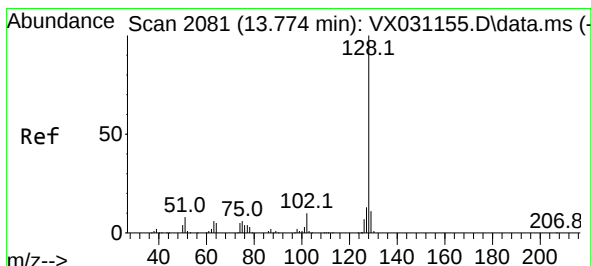
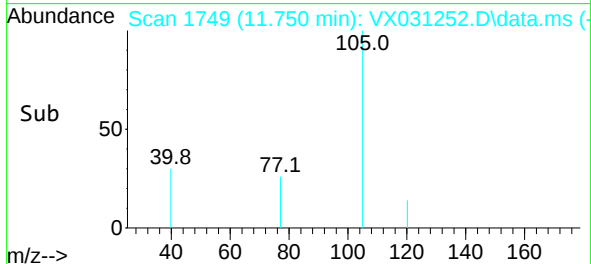
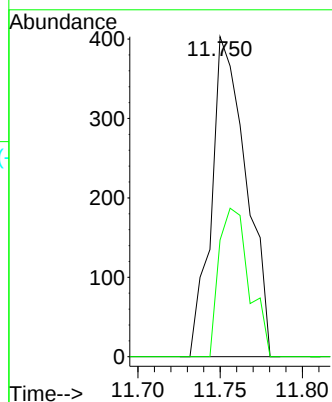
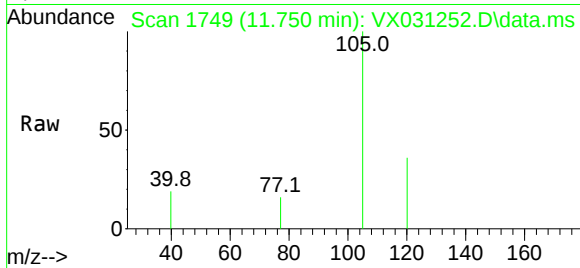




#84  
1,2,4-Trimethylbenzene  
Concen: 0.219 ug/l  
RT: 11.750 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
CLI-109DL

Tgt Ion:105 Resp: 594  
Ion Ratio Lower Upper  
105 100  
120 40.2 22.9 68.8



#95  
Naphthalene  
Concen: 0.673 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX031252.D  
Acq: 09 Sep 2022 13:23

Tgt Ion:128 Resp: 2031  
Ion Ratio Lower Upper  
128 100  
127 9.9 10.2 15.2#  
129 8.5 8.6 13.0#

