

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX010224\  
 Data File : VX039567.D  
 Acq On : 02 Jan 2024 13:15  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 03 04:12:33 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

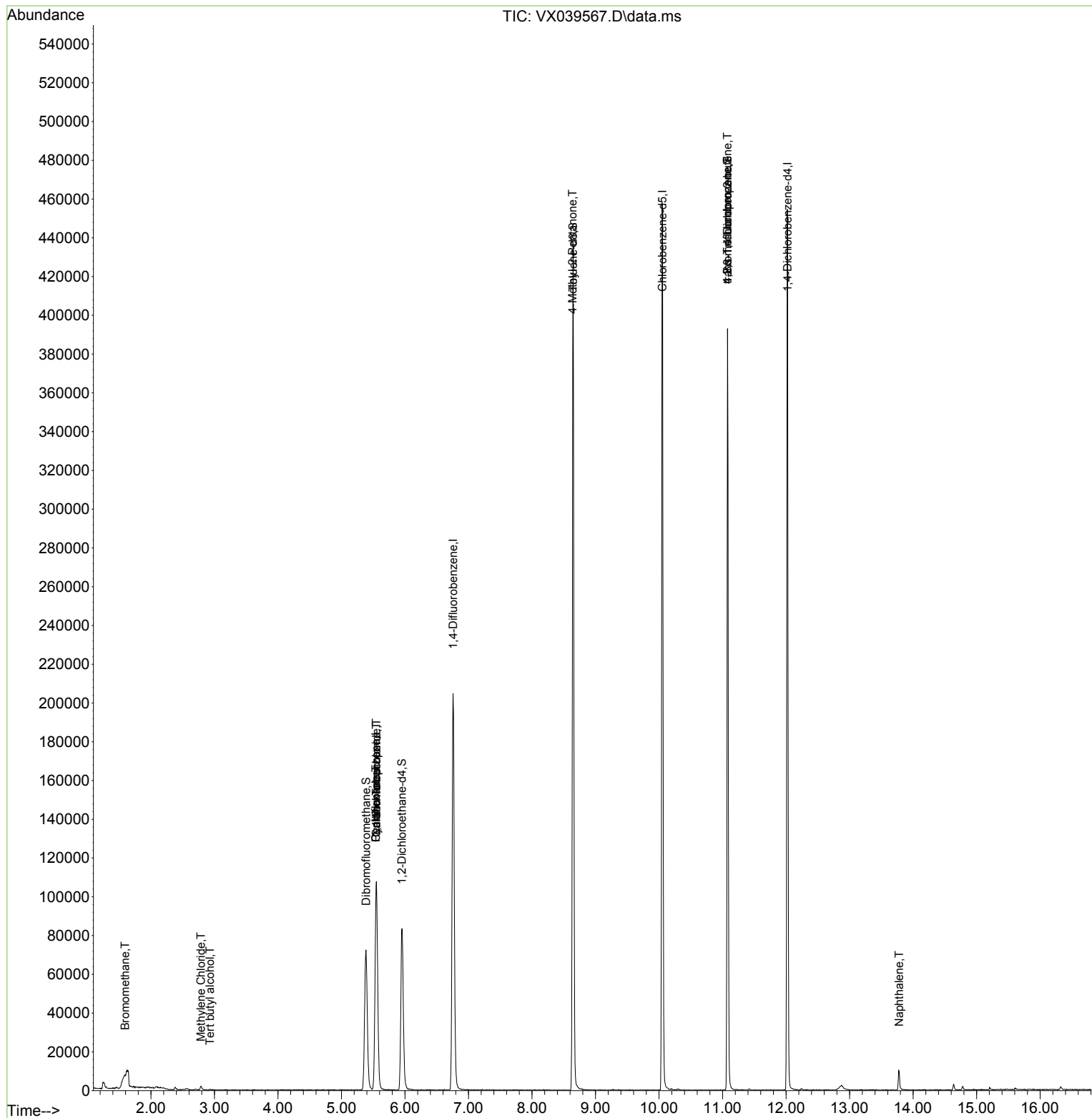
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 95096    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 201083   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 204844   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 88967    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 82527    | 47.372    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 94.740%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 65174    | 46.916    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 93.840%  |
| 50) Toluene-d8                | 8.647  | 98    | 250336   | 48.540    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 97.080%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 108887   | 51.171    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 102.340% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.593  | 94    | 296      | 0.373     | ug/l # | 59       |
| 11) Tert butyl alcohol        | 2.928  | 59    | 108      | 0.247     | ug/l # | 78       |
| 16) Acetone                   | 2.380  | 43    | 1376     | Below Cal |        | 94       |
| 20) Methylene Chloride        | 2.788  | 84    | 1025     | 0.706     | ug/l # | 92       |
| 31) Cyclohexane               | 5.544  | 56    | 2680     | 1.191     | ug/l # | 25       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 9082     | 4.143     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 10492    | 5.015     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.641  | 43    | 1233     | 0.439     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 59003    | 25.634    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 59003    | 72.314    | ug/l # | 5        |
| 95) Naphthalene               | 13.780 | 128   | 8088     | 1.243     | ug/l   | 96       |
| -----                         |        |       |          |           |        |          |

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

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Quant Time: Jan 03 04:12:33 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 14 01:28:15 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.006 min

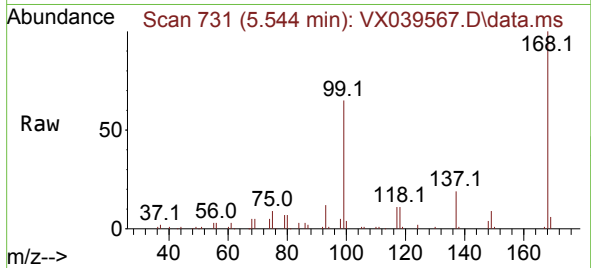
Lab File: VX039567.D

Acq: 02 Jan 2024 13:15

Instrument :

MSVOA\_X

ClientSampleId :

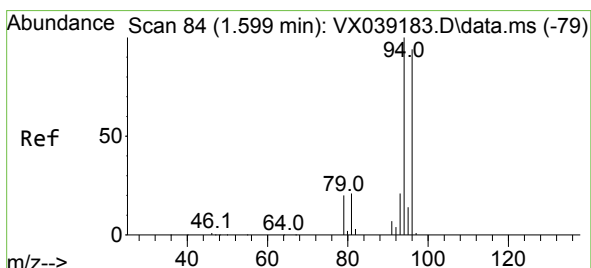
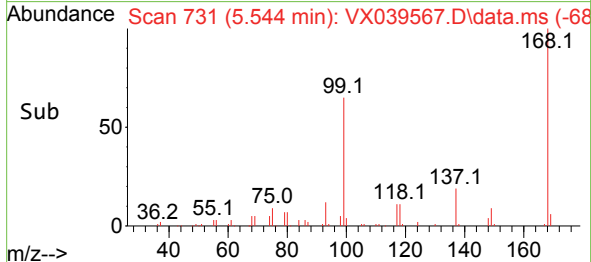
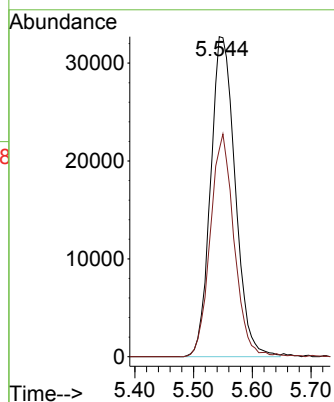


Tgt Ion:168 Resp: 95096

Ion Ratio Lower Upper

168 100

99 64.7 56.6 85.0



#5

Bromomethane

Concen: 0.373 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.006 min

Lab File: VX039567.D

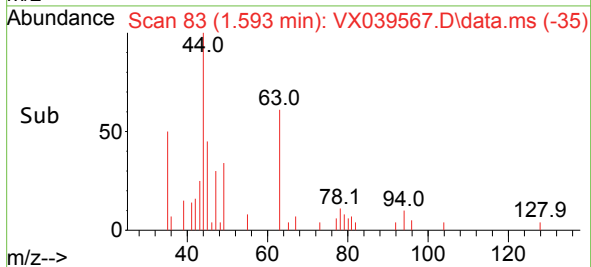
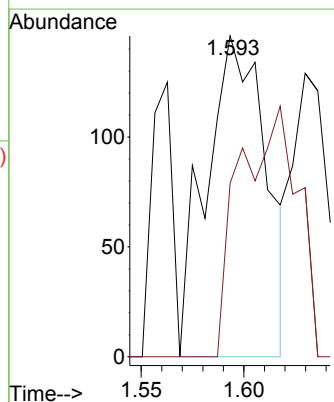
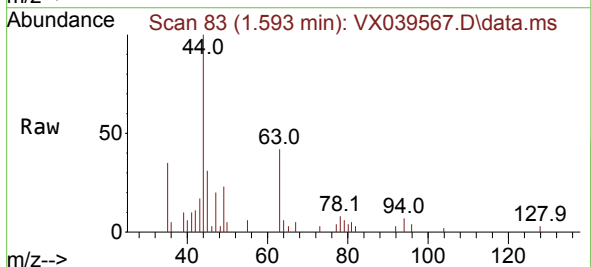
Acq: 02 Jan 2024 13:15

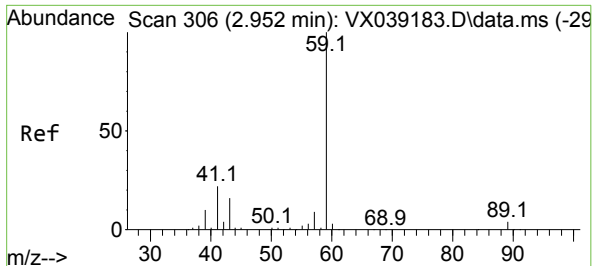
Tgt Ion: 94 Resp: 296

Ion Ratio Lower Upper

94 100

96 54.1 74.6 111.8#





#11

Tert butyl alcohol

Concen: 0.247 ug/l

RT: 2.928 min Scan# 306

Delta R.T. -0.024 min

Lab File: VX039567.D

Acq: 02 Jan 2024 13:15

Instrument :

MSVOA\_X

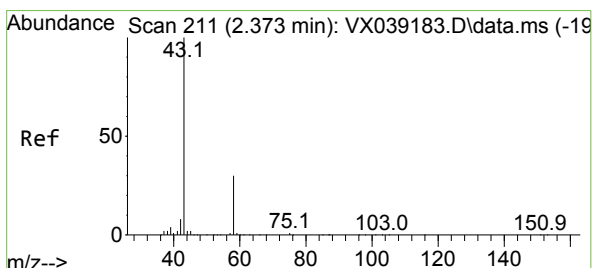
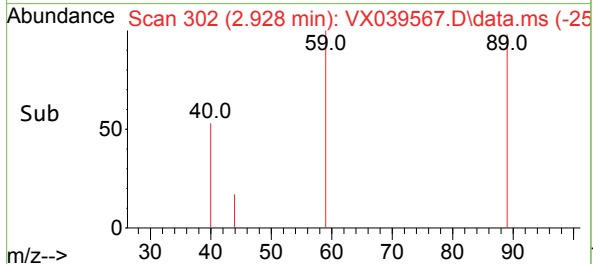
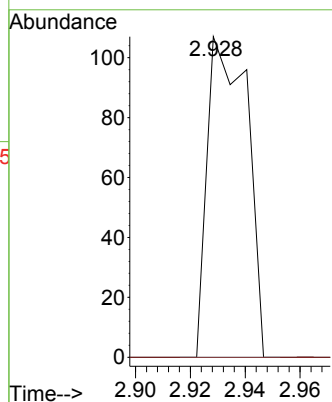
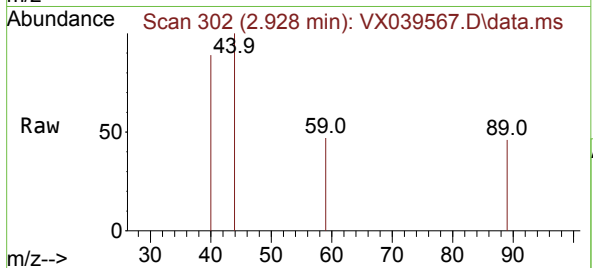
ClientSampleId :

Tgt Ion: 59 Resp: 108

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: Below Cal

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX039567.D

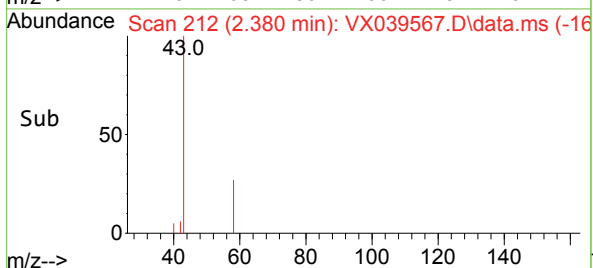
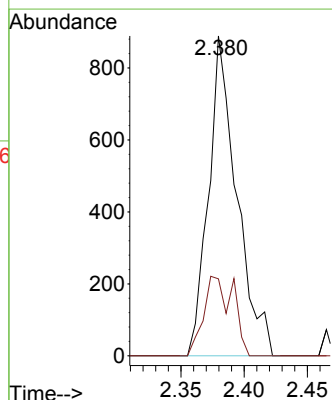
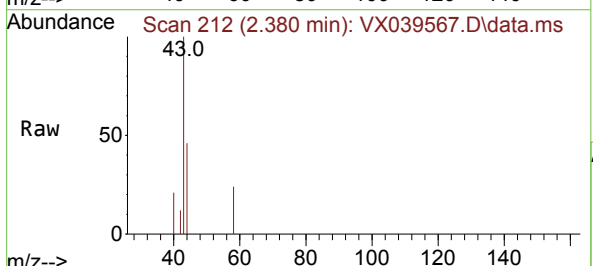
Acq: 02 Jan 2024 13:15

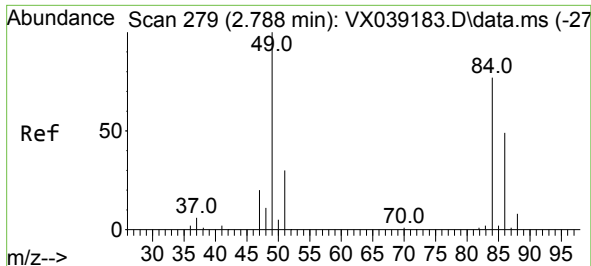
Tgt Ion: 43 Resp: 1376

Ion Ratio Lower Upper

43 100

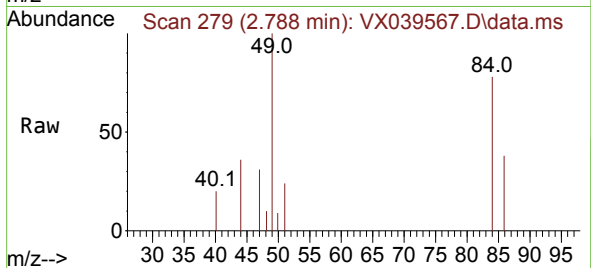
58 24.1 21.9 32.9





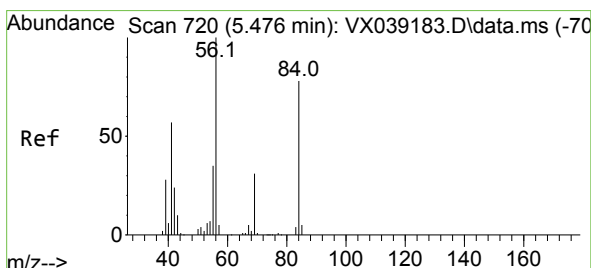
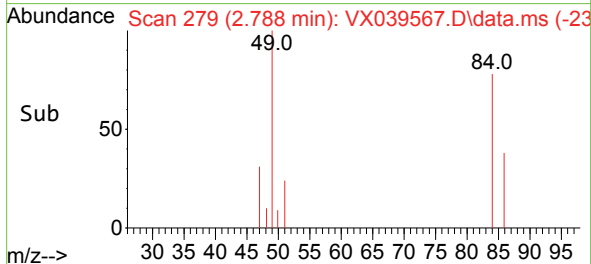
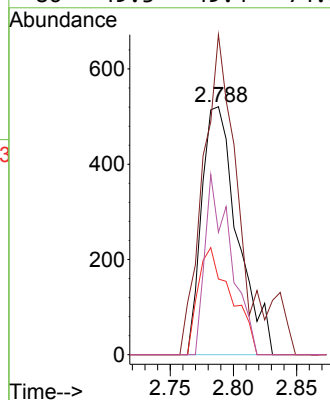
#20  
Methylene Chloride  
Concen: 0.706 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX039567.D  
Acq: 02 Jan 2024 13:15

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 84 Resp: 1025

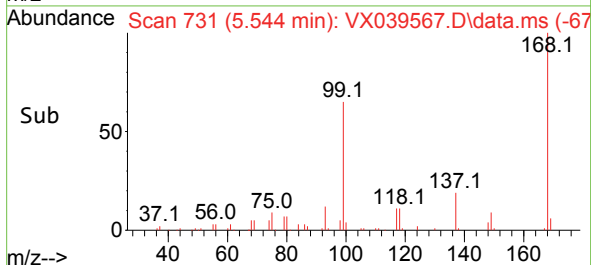
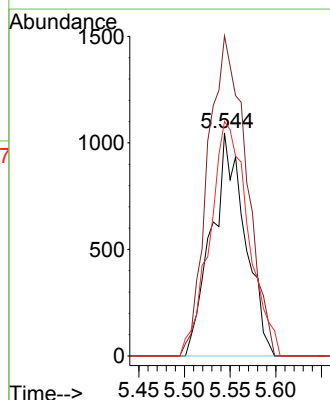
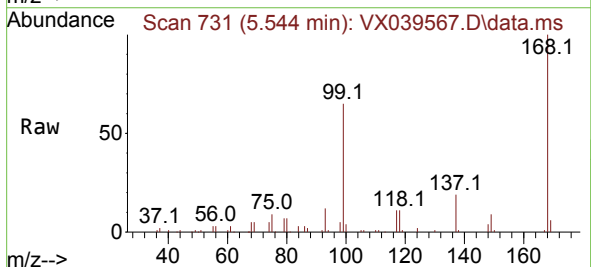
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 129.0 | 103.6 | 155.4 |
| 51  | 30.5  | 33.8  | 50.6# |
| 86  | 49.3  | 49.4  | 74.0# |

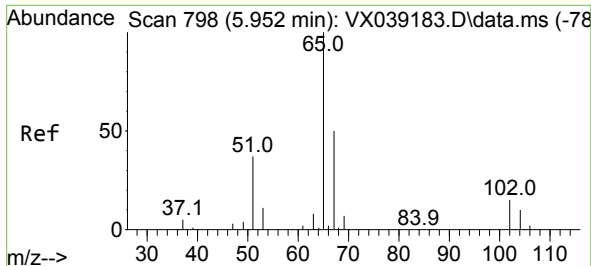


#31  
Cyclohexane  
Concen: 1.191 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.067 min  
Lab File: VX039567.D  
Acq: 02 Jan 2024 13:15

Tgt Ion: 56 Resp: 2680

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 143.5 | 23.4  | 35.2# |
| 84  | 105.2 | 65.9  | 98.9# |





#33

1,2-Dichloroethane-d4

Concen: 47.372 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039567.D

Acq: 02 Jan 2024 13:15

Instrument :

MSVOA\_X

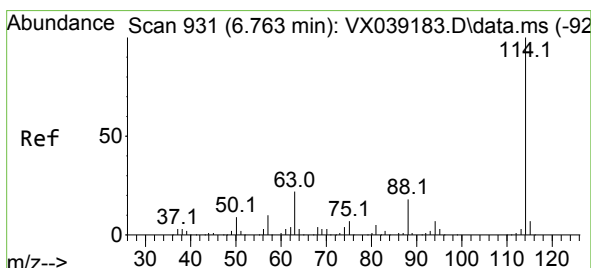
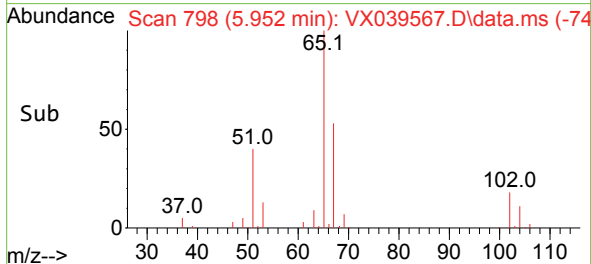
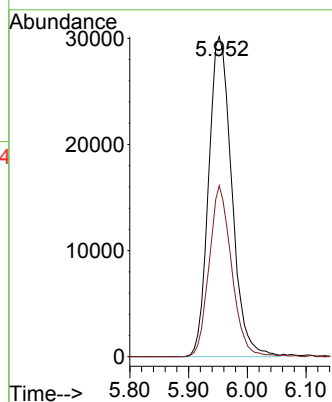
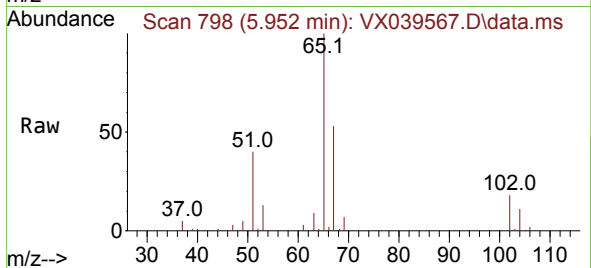
ClientSampleId :

Tgt Ion: 65 Resp: 82527

Ion Ratio Lower Upper

65 100

67 51.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX039567.D

Acq: 02 Jan 2024 13:15

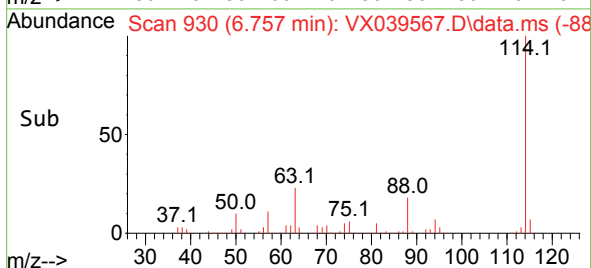
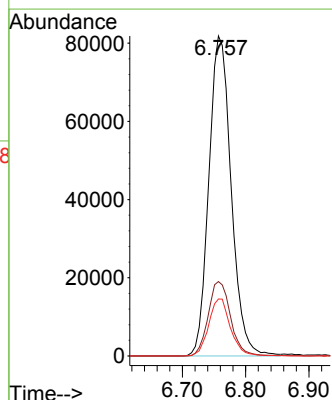
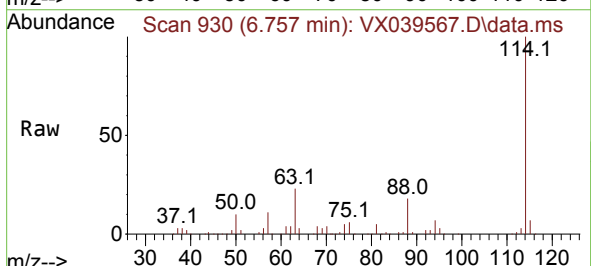
Tgt Ion: 114 Resp: 201083

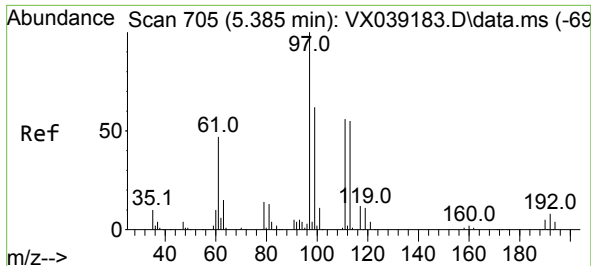
Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.0

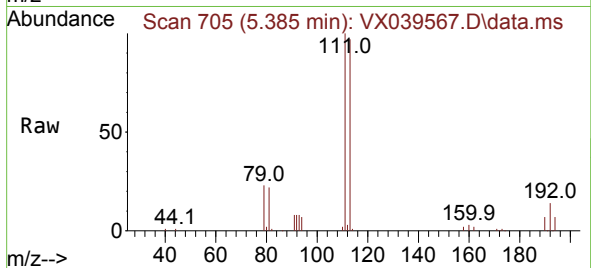
88 17.8 0.0 36.6



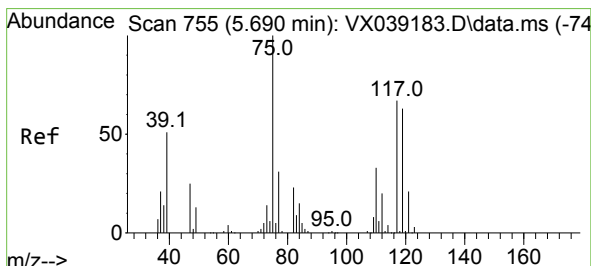
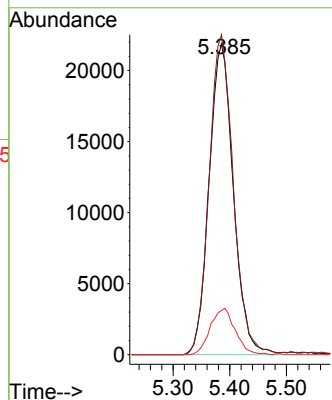
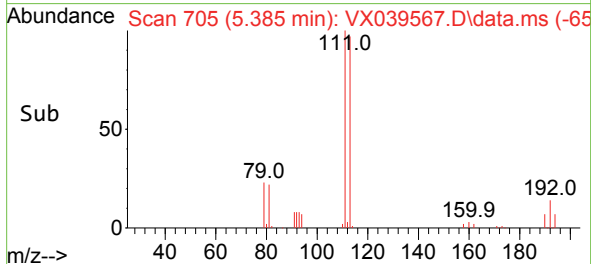


#35  
Dibromofluoromethane  
Concen: 46.916 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX039567.D  
Acq: 02 Jan 2024 13:15

Instrument :  
MSVOA\_X  
ClientSampleId :

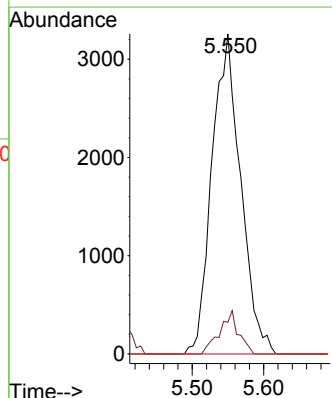
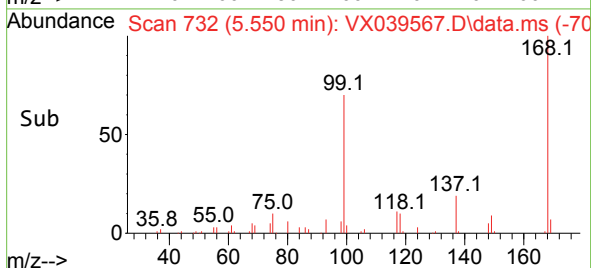
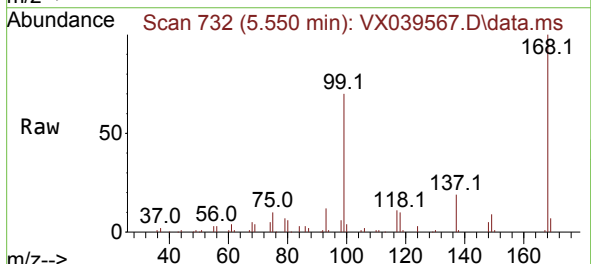


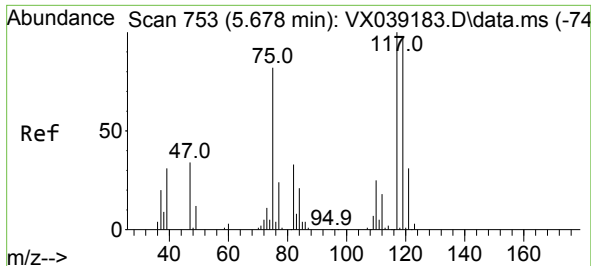
Tgt Ion:113 Resp: 65174  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.9 124.3  
192 15.3 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.143 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX039567.D  
Acq: 02 Jan 2024 13:15

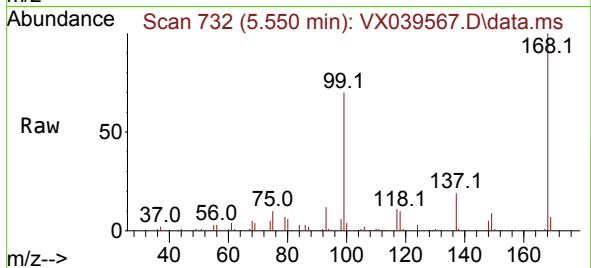
Tgt Ion: 75 Resp: 9082  
Ion Ratio Lower Upper  
75 100  
110 8.9 17.0 50.9#  
77 0.0 24.7 37.1#



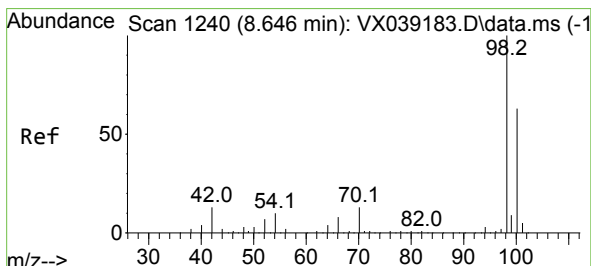
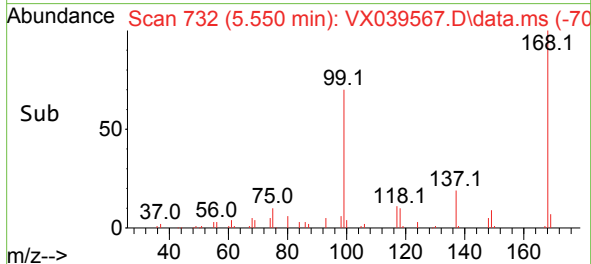
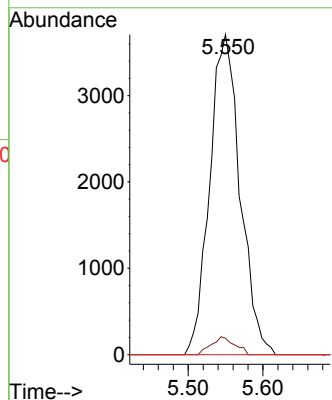


#38  
Carbon Tetrachloride  
Concen: 5.015 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX039567.D  
Acq: 02 Jan 2024 13:15

Instrument :  
MSVOA\_X  
ClientSampleId :

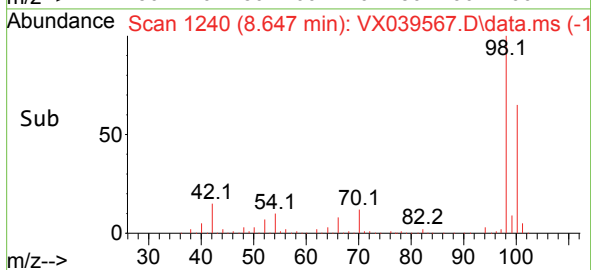
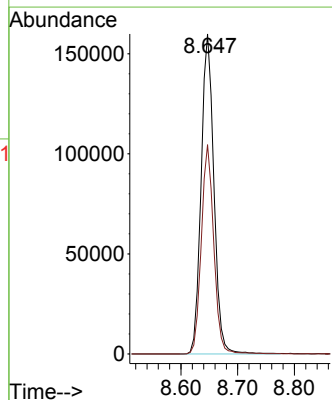
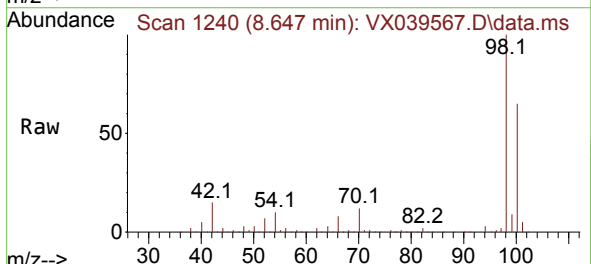


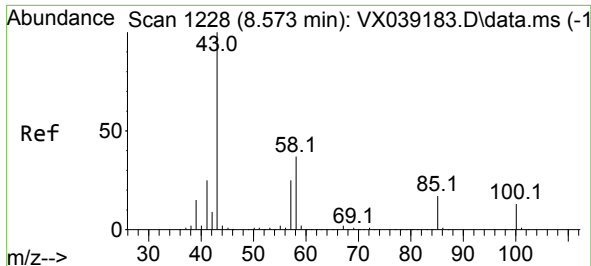
Tgt Ion:117 Resp: 10492  
Ion Ratio Lower Upper  
117 100  
119 5.2 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 48.540 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX039567.D  
Acq: 02 Jan 2024 13:15

Tgt Ion: 98 Resp: 250336  
Ion Ratio Lower Upper  
98 100  
100 63.9 53.1 79.7

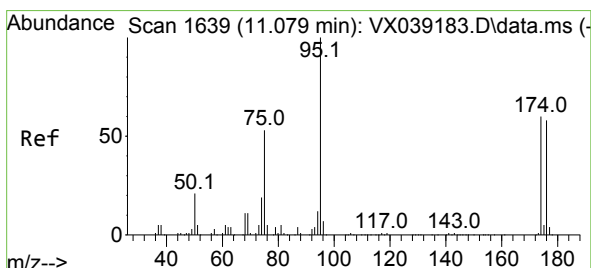
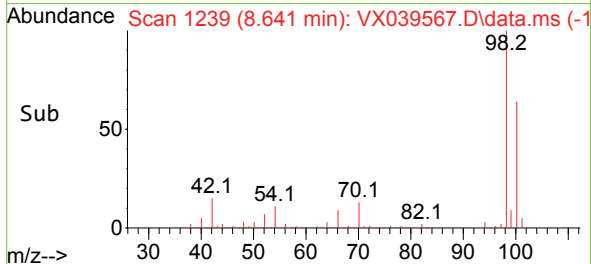
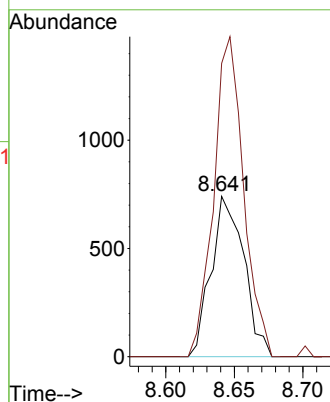
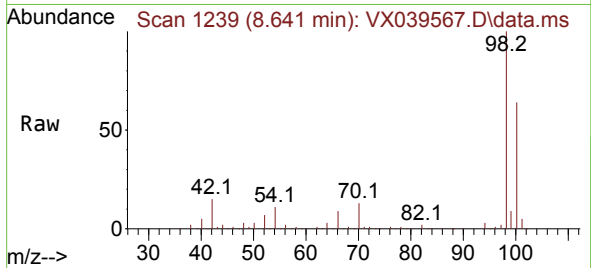




#51  
4-Methyl-2-Pentanone  
Concen: 0.439 ug/l  
RT: 8.641 min Scan# 1239  
Delta R.T. 0.067 min  
Lab File: VX039567.D  
Acq: 02 Jan 2024 13:15

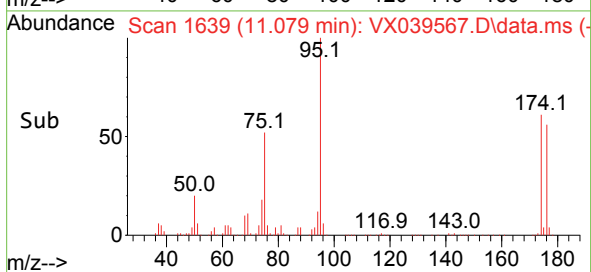
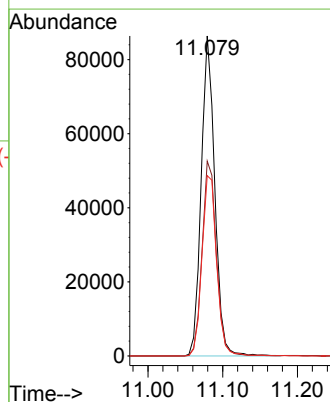
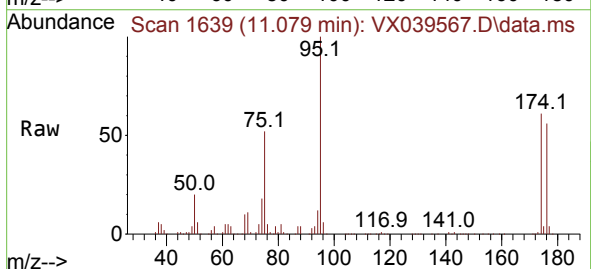
Instrument :  
MSVOA\_X  
ClientSampleId :

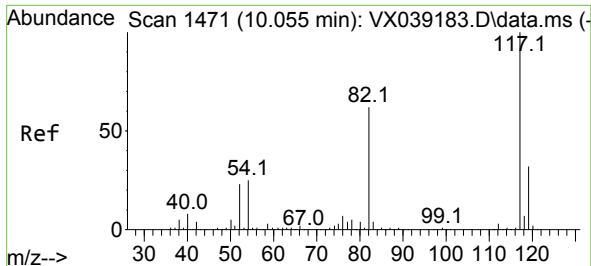
Tgt Ion: 43 Resp: 1233  
Ion Ratio Lower Upper  
43 100  
58 182.4 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 51.171 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX039567.D  
Acq: 02 Jan 2024 13:15

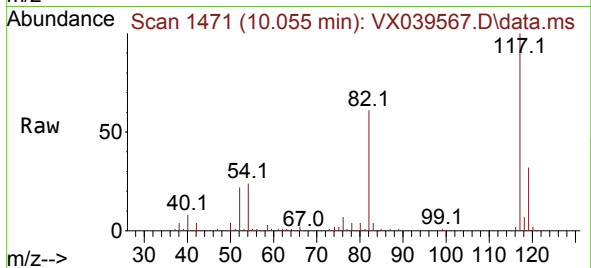
Tgt Ion: 95 Resp: 108887  
Ion Ratio Lower Upper  
95 100  
174 64.0 0.0 135.6  
176 61.0 0.0 131.0



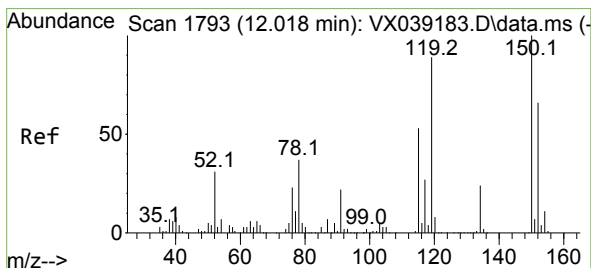
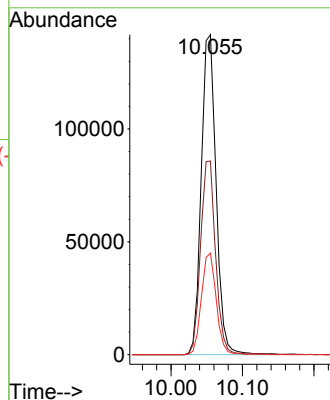
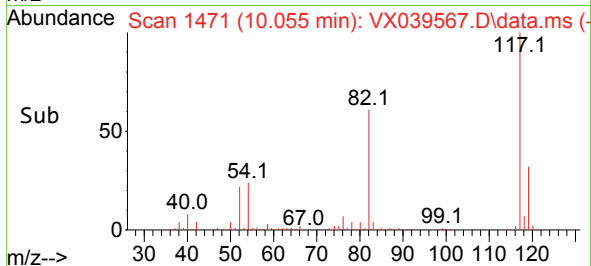


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX039567.D  
Acq: 02 Jan 2024 13:15

Instrument :  
MSVOA\_X  
ClientSampleId :

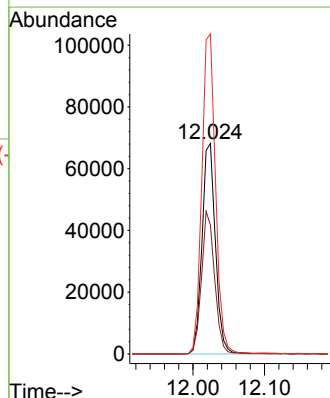
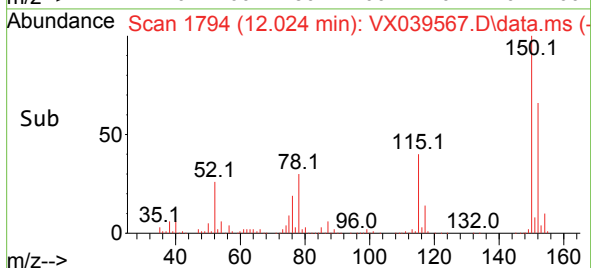
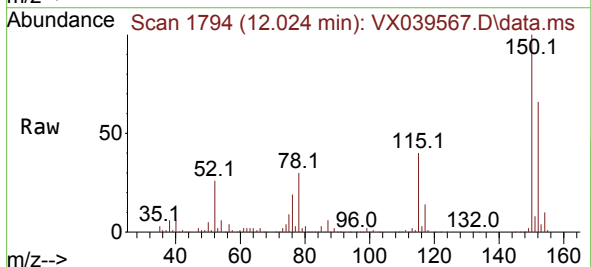


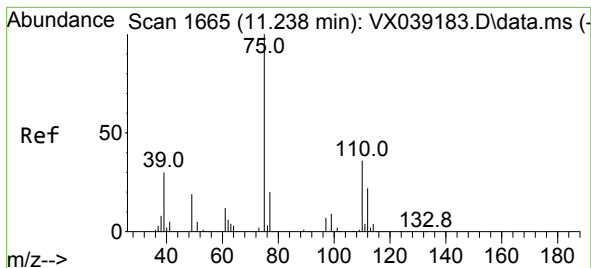
Tgt Ion:117 Resp: 204844  
Ion Ratio Lower Upper  
117 100  
82 60.6 46.2 69.4  
119 31.7 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VX039567.D  
Acq: 02 Jan 2024 13:15

Tgt Ion:152 Resp: 88967  
Ion Ratio Lower Upper  
152 100  
115 66.1 43.3 129.9  
150 154.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.634 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039567.D

Acq: 02 Jan 2024 13:15

Instrument :

MSVOA\_X

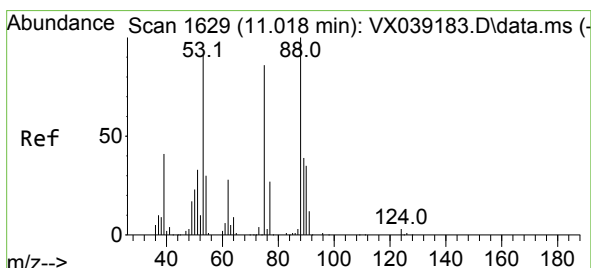
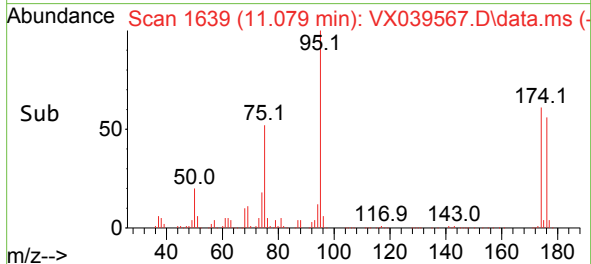
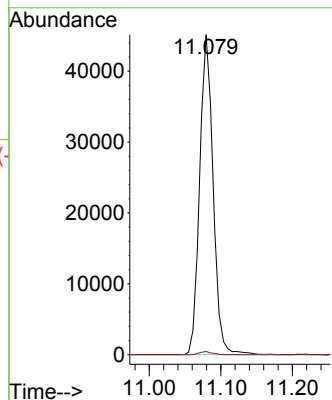
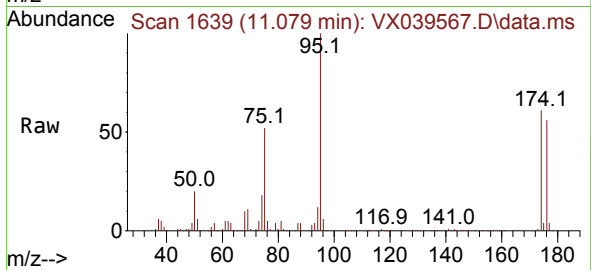
ClientSampleId :

Tgt Ion: 75 Resp: 59003

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.314 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039567.D

Acq: 02 Jan 2024 13:15

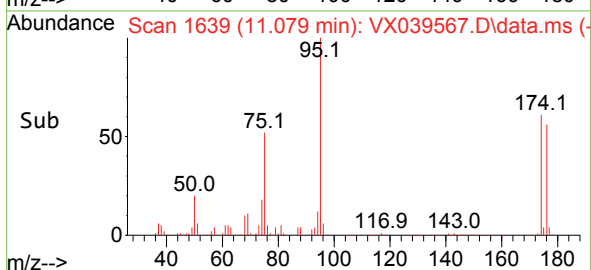
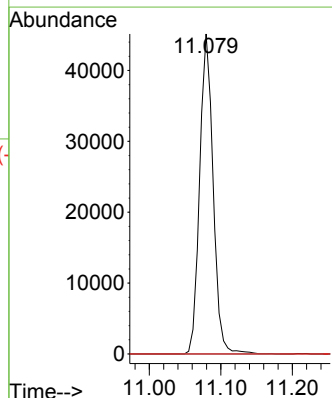
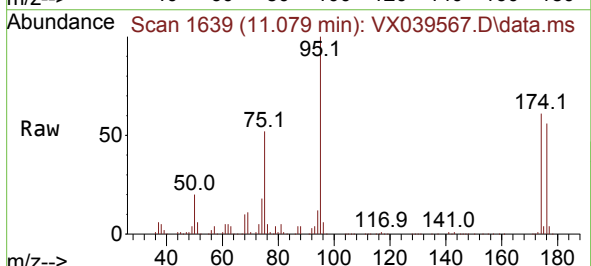
Tgt Ion: 75 Resp: 59003

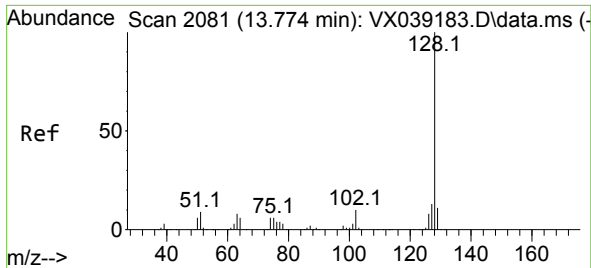
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

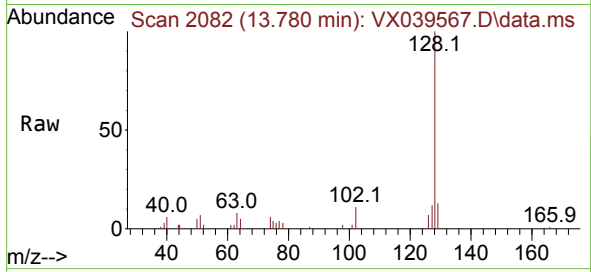
89 0.0 36.9 55.3#





#95  
Naphthalene  
Concen: 1.243 ug/l  
RT: 13.780 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VX039567.D  
Acq: 02 Jan 2024 13:15

Instrument :  
MSVOA\_X  
ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 8088  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 11.1  | 10.3  | 15.5  |
| 129      | 9.7   | 8.8   | 13.2  |

