

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080124\  
 Data File : VX042828.D  
 Acq On : 02 Aug 2024 06:12  
 Operator : JC/MD  
 Sample : P3429-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 931-K1-WS-073124

Quant Time: Aug 02 08:30:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X080124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 01 16:40:12 2024  
 Response via : Initial Calibration

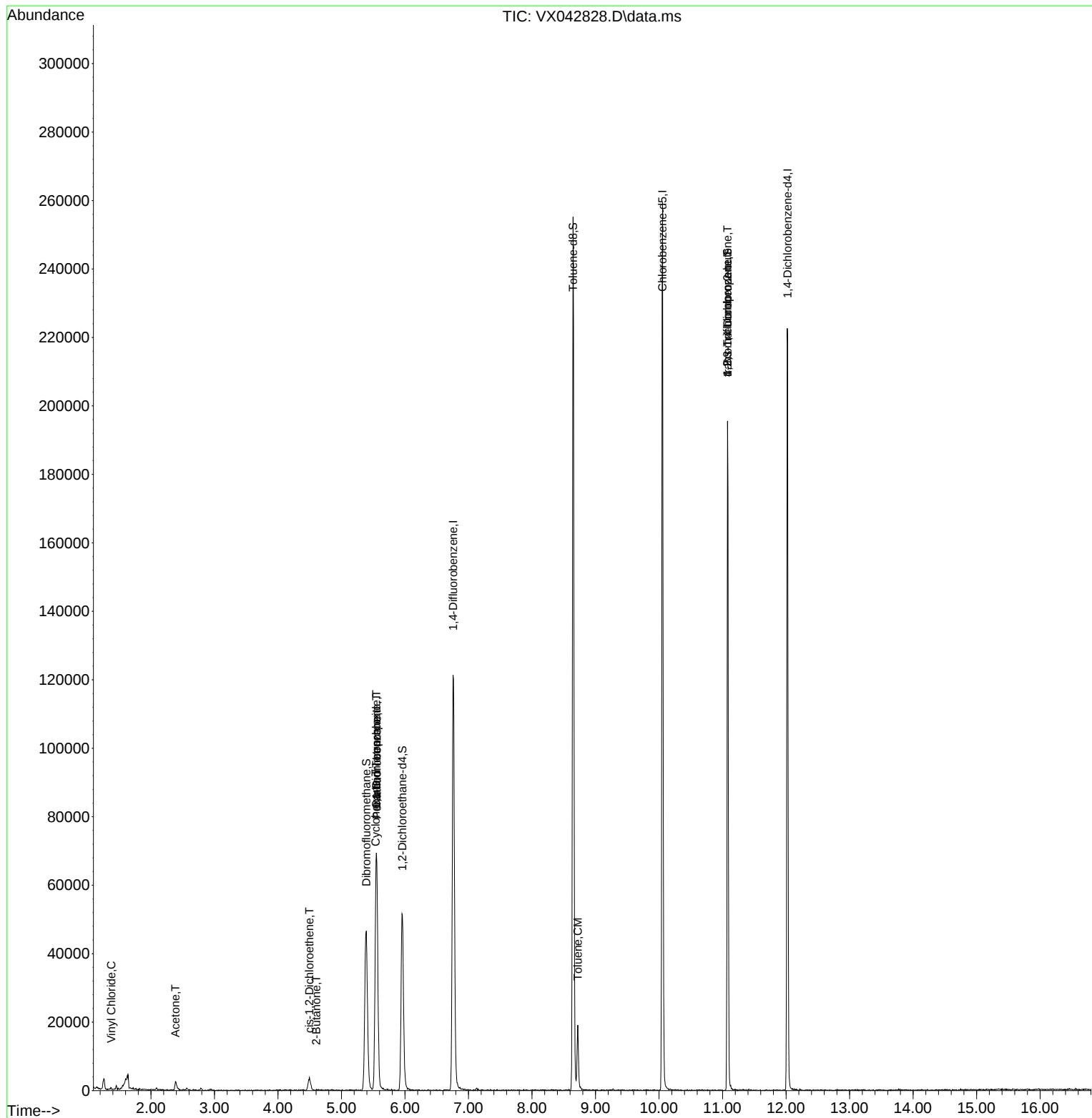
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 63383    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 124308   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 118001   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 47234    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 53252    | 52.295    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | = 104.580% |          |
| 35) Dibromofluoromethane      | 5.391  | 113   | 42607    | 49.616    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 99.240%  |          |
| 50) Toluene-d8                | 8.647  | 98    | 149519   | 47.969    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | = 95.940%  |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 53390    | 46.871    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | = 93.740%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 1.301  | 50    | 96       | Below Cal | #          | 43       |
| 4) Vinyl Chloride             | 1.374  | 62    | 159      | 0.202     | ug/l #     | 43       |
| 11) Tert butyl alcohol        | 2.947  | 59    | 100      | Below Cal | #          | 78       |
| 16) Acetone                   | 2.386  | 43    | 2933     | 7.932     | ug/l #     | 73       |
| 20) Methylene Chloride        | 2.788  | 84    | 315      | Below Cal |            | 91       |
| 25) 2-Butanone                | 4.605  | 43    | 174      | 0.320     | ug/l #     | 51       |
| 27) cis-1,2-Dichloroethene    | 4.495  | 96    | 2531     | 2.720     | ug/l       | 76       |
| 31) Cyclohexane               | 5.538  | 56    | 1606     | 1.431     | ug/l #     | 48       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 5330     | 4.786     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 7455     | 5.809     | ug/l #     | 14       |
| 52) Toluene                   | 8.720  | 92    | 6764     | 2.983     | ug/l       | 93       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 28094    | 26.030    | ug/l #     | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 28094    | 77.042    | ug/l #     | 5        |
| -----                         |        |       |          |           |            |          |

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

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QLast Update : Thu Aug 01 16:40:12 2024  
Response via : Initial Calibration

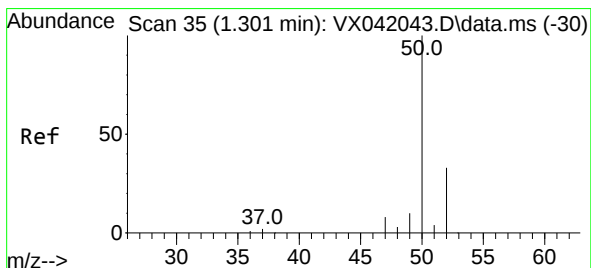
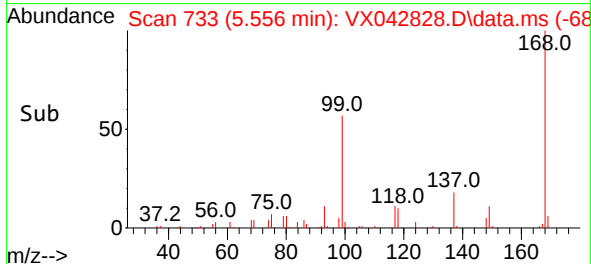
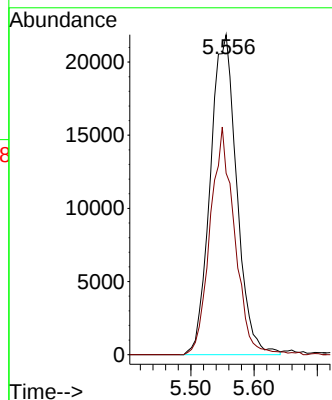
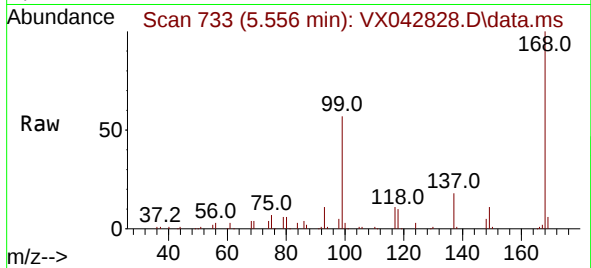




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX042828.D  
Acq: 02 Aug 2024 06:12

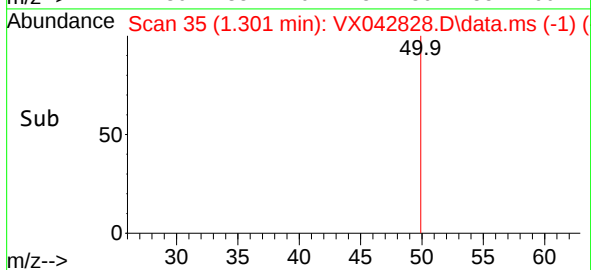
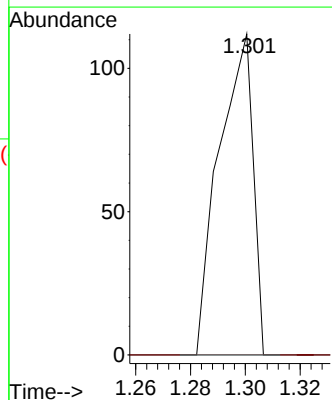
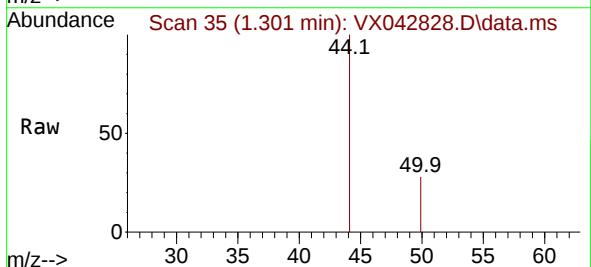
Instrument :  
MSVOA\_X  
ClientSampleId :  
931-K1-WS-073124

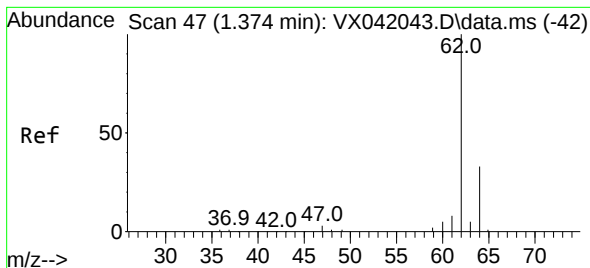
Tgt Ion:168 Resp: 63383  
Ion Ratio Lower Upper  
168 100  
99 56.7 56.6 85.0



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.301 min Scan# 35  
Delta R.T. -0.006 min  
Lab File: VX042828.D  
Acq: 02 Aug 2024 06:12

Tgt Ion: 50 Resp: 96  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.5 38.3#





#4

Vinyl Chloride

Concen: 0.202 ug/l

RT: 1.374 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX042828.D

Acq: 02 Aug 2024 06:12

Instrument :

MSVOA\_X

ClientSampleId :

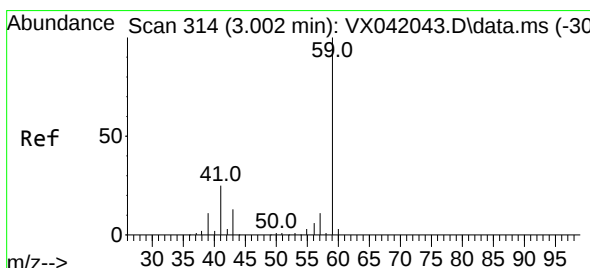
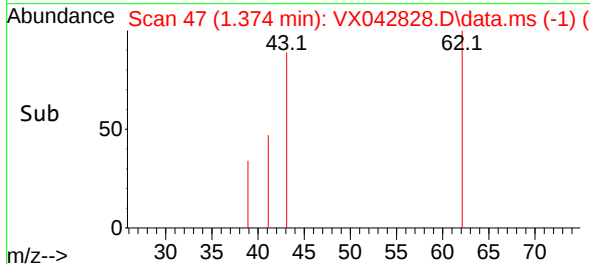
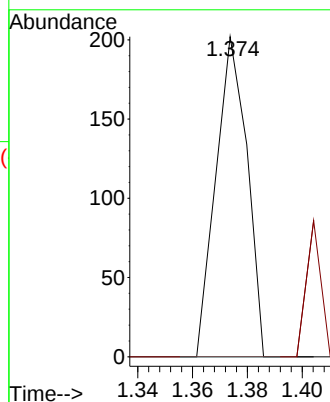
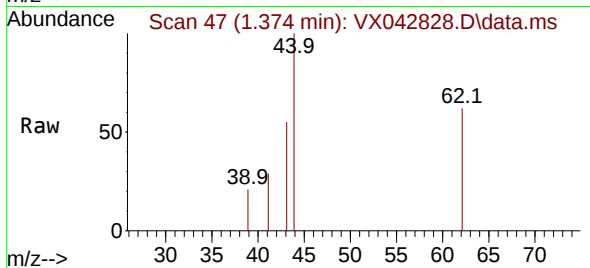
931-K1-WS-073124

Tgt Ion: 62 Resp: 159

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.0#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.060 min

Lab File: VX042828.D

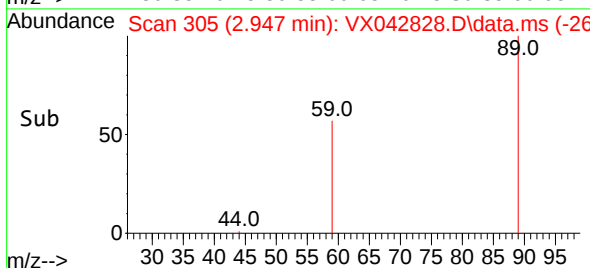
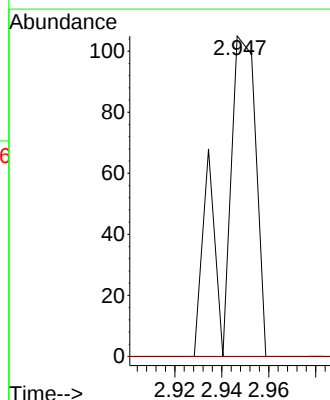
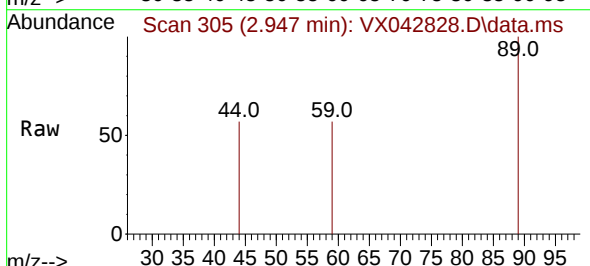
Acq: 02 Aug 2024 06:12

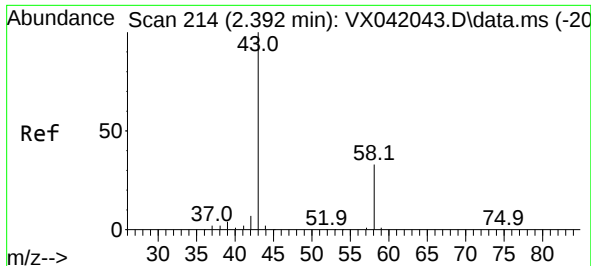
Tgt Ion: 59 Resp: 100

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

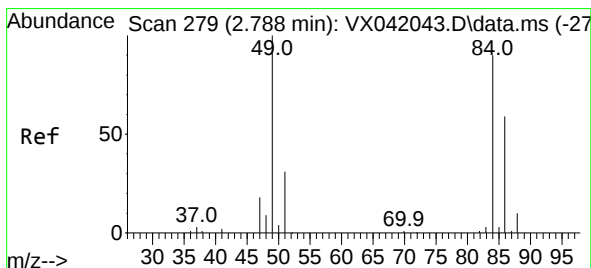
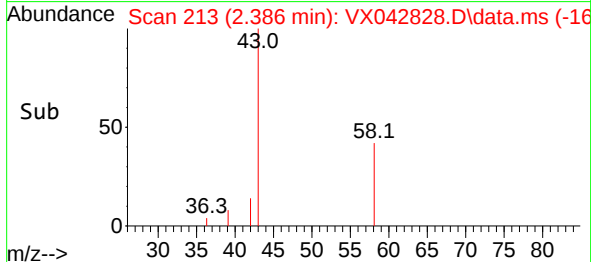
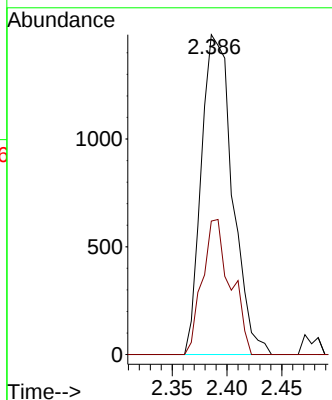
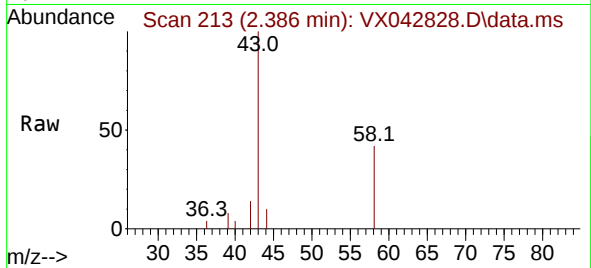




#16  
Acetone  
Concen: 7.932 ug/l  
RT: 2.386 min Scan# 214  
Delta R.T. -0.012 min  
Lab File: VX042828.D  
Acq: 02 Aug 2024 06:12

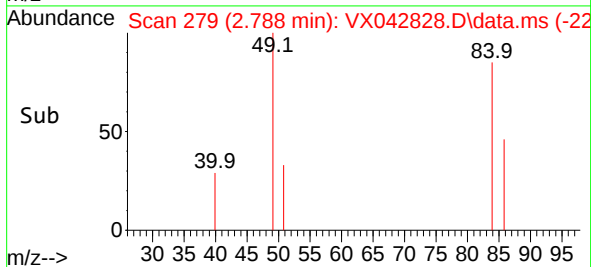
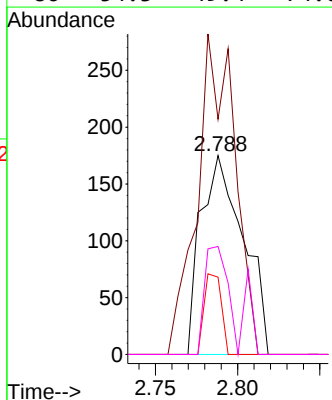
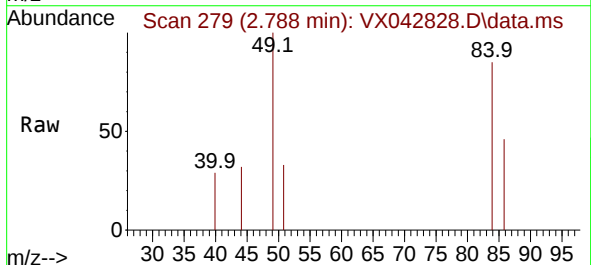
Instrument :  
MSVOA\_X  
ClientSampleId :  
931-K1-WS-073124

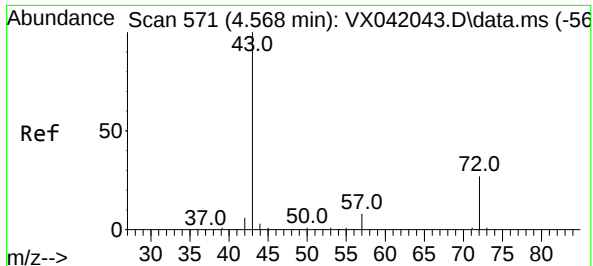
Tgt Ion: 43 Resp: 2933  
Ion Ratio Lower Upper  
43 100  
58 41.7 21.9 32.9#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.788 min Scan# 279  
Delta R.T. 0.006 min  
Lab File: VX042828.D  
Acq: 02 Aug 2024 06:12

Tgt Ion: 84 Resp: 315  
Ion Ratio Lower Upper  
84 100  
49 118.3 103.6 155.4  
51 38.9 33.8 50.6  
86 54.3 49.4 74.0

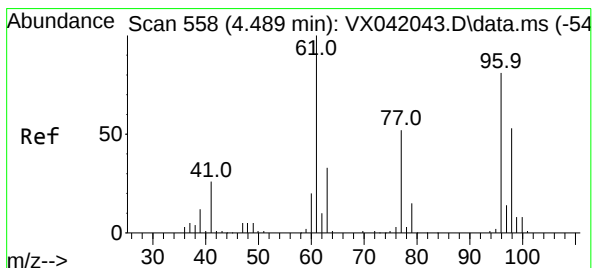
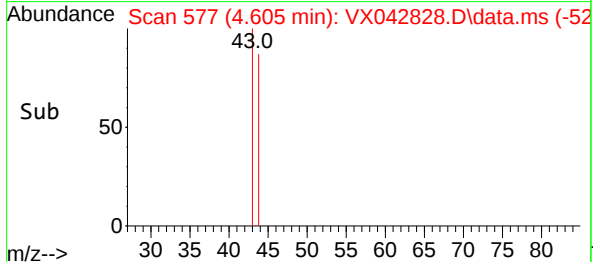
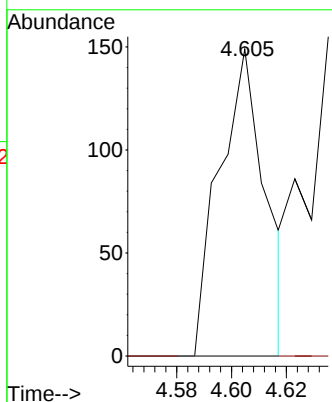
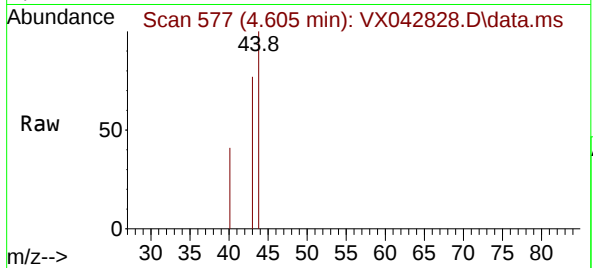




#25  
2-Butanone  
Concen: 0.320 ug/l  
RT: 4.605 min Scan# 51  
Delta R.T. 0.031 min  
Lab File: VX042828.D  
Acq: 02 Aug 2024 06:12

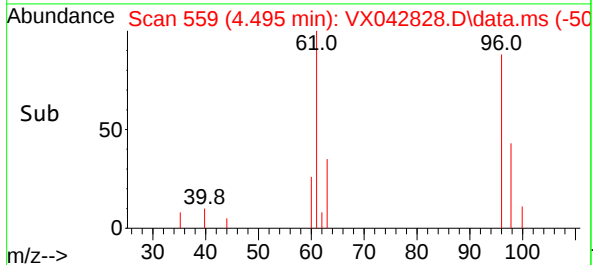
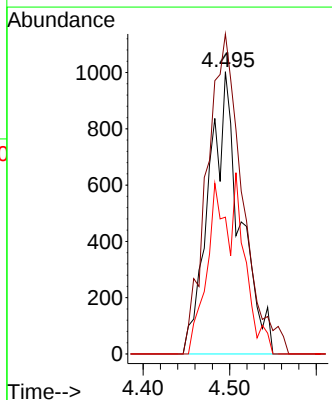
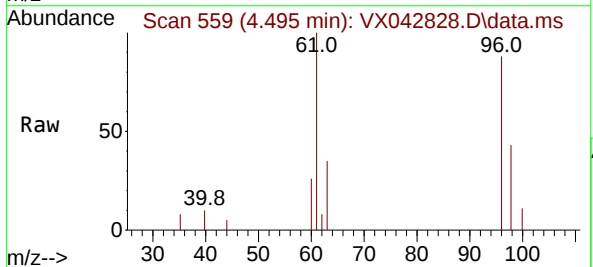
Instrument :  
MSVOA\_X  
ClientSampleId :  
931-K1-WS-073124

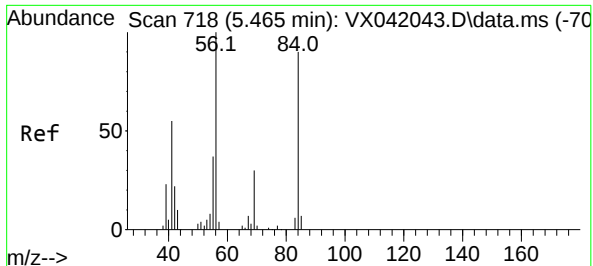
Tgt Ion: 43 Resp: 174  
Ion Ratio Lower Upper  
43 100  
72 0.0 19.4 29.2#



#27  
cis-1,2-Dichloroethene  
Concen: 2.720 ug/l  
RT: 4.495 min Scan# 559  
Delta R.T. 0.006 min  
Lab File: VX042828.D  
Acq: 02 Aug 2024 06:12

Tgt Ion: 96 Resp: 2531  
Ion Ratio Lower Upper  
96 100  
61 127.8 0.0 312.2  
98 40.1 0.0 129.0

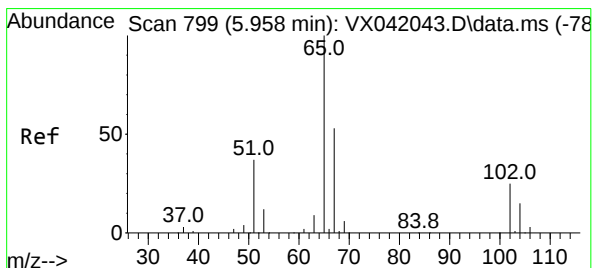
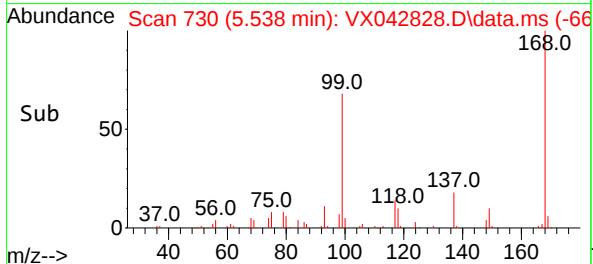
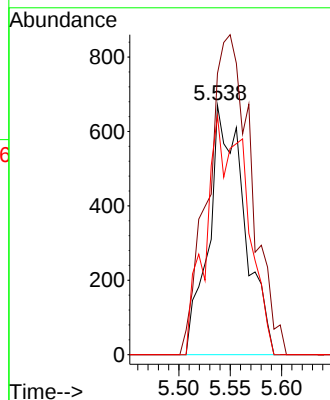
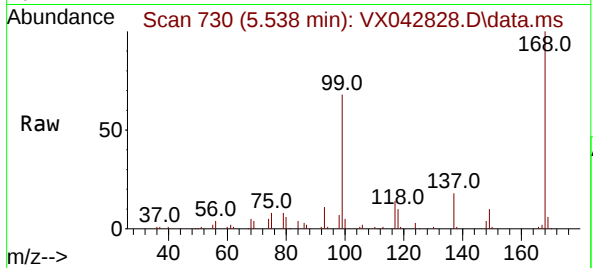




#31  
Cyclohexane  
Concen: 1.431 ug/l  
RT: 5.538 min Scan# 718  
Delta R.T. 0.074 min  
Lab File: VX042828.D  
Acq: 02 Aug 2024 06:12

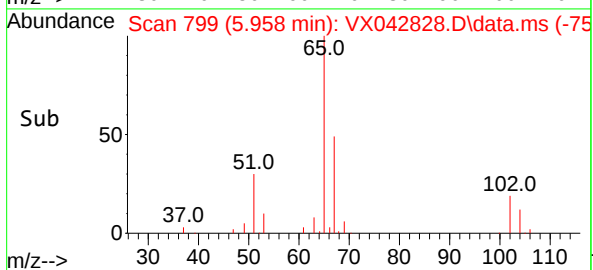
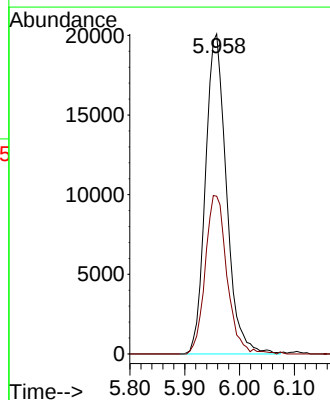
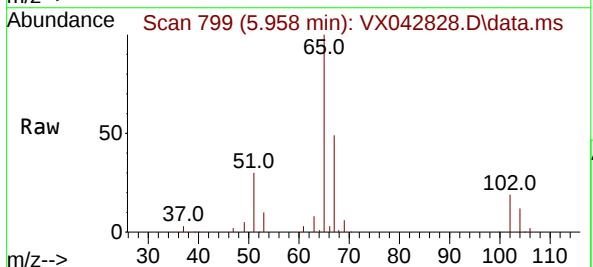
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MSVOA\_X  
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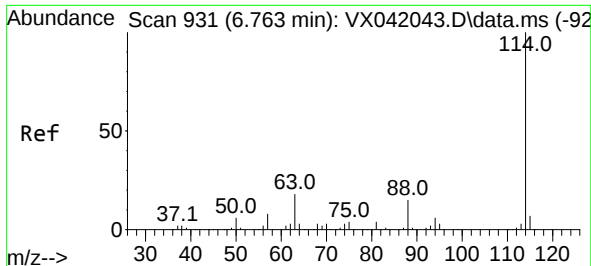
Tgt Ion: 56 Resp: 1606  
Ion Ratio Lower Upper  
56 100  
69 112.8 23.4 35.2#  
84 95.8 65.9 98.9



#33  
1,2-Dichloroethane-d4  
Concen: 52.295 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX042828.D  
Acq: 02 Aug 2024 06:12

Tgt Ion: 65 Resp: 53252  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 100.2

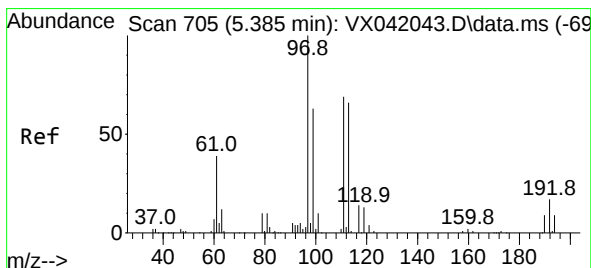
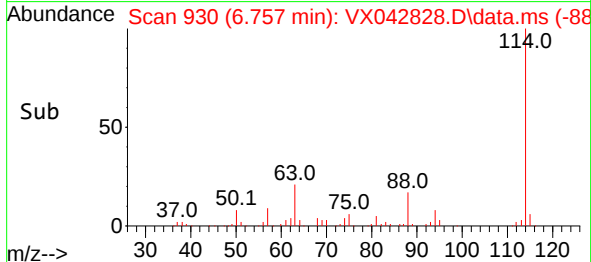
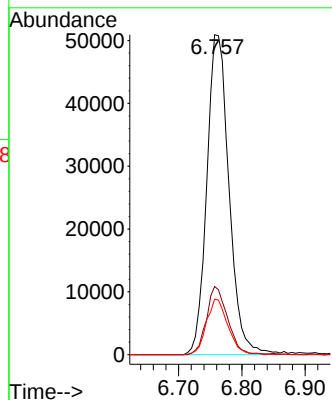
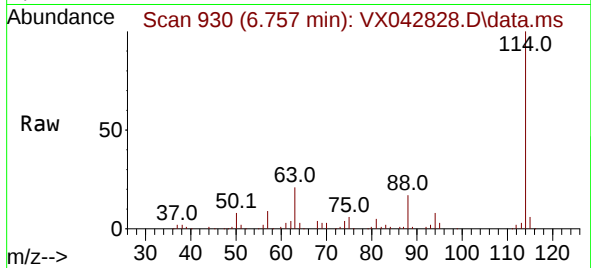




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VX042828.D  
Acq: 02 Aug 2024 06:12

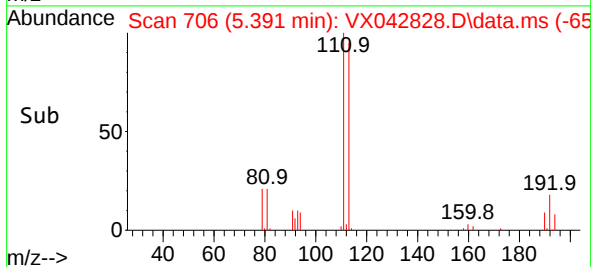
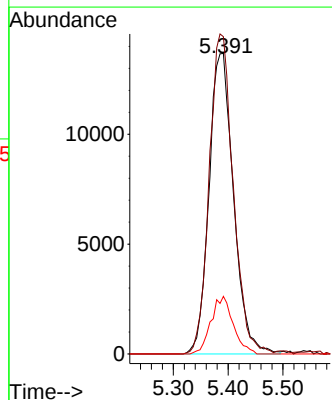
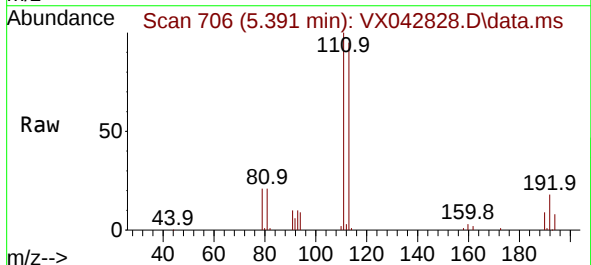
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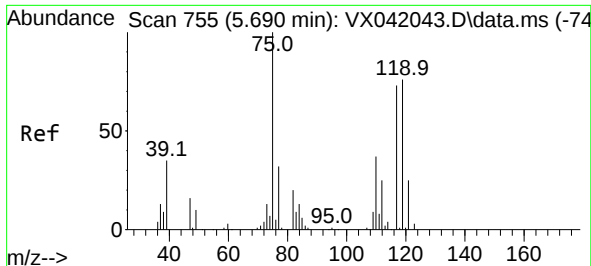
Tgt Ion:114 Resp: 124308  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 45.0  
88 17.4 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 49.616 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX042828.D  
Acq: 02 Aug 2024 06:12

Tgt Ion:113 Resp: 42607  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.9 124.3  
192 17.3 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.786 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX042828.D

Acq: 02 Aug 2024 06:12

Instrument :

MSVOA\_X

ClientSampleId :

931-K1-WS-073124

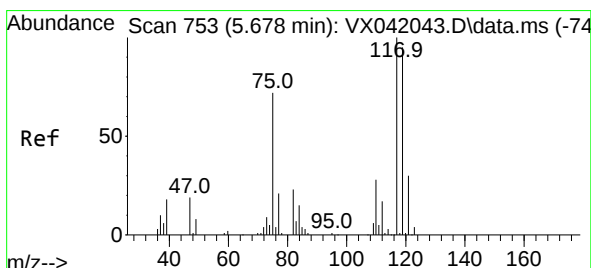
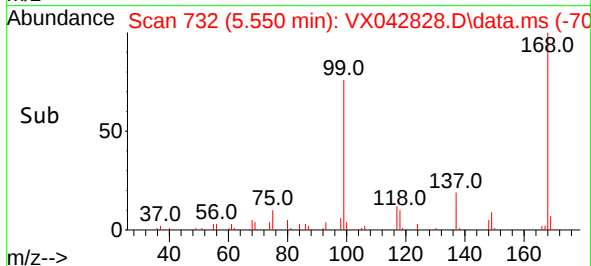
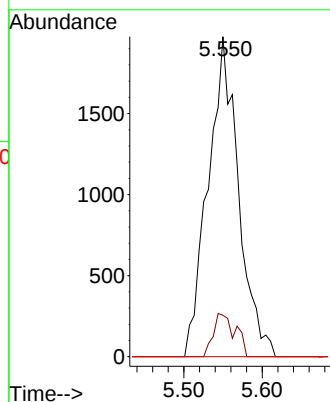
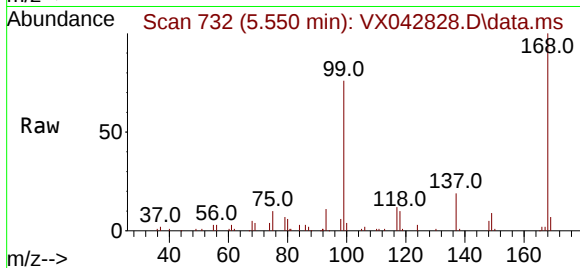
Tgt Ion: 75 Resp: 5330

Ion Ratio Lower Upper

75 100

110 9.7 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.809 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX042828.D

Acq: 02 Aug 2024 06:12

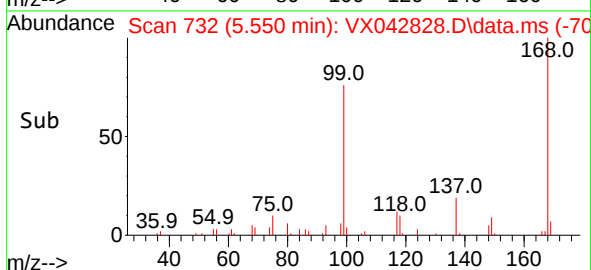
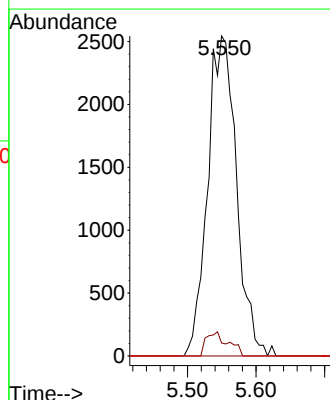
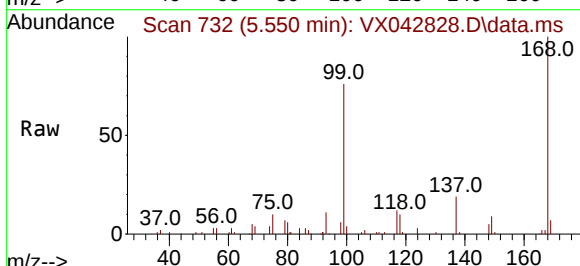
Tgt Ion: 117 Resp: 7455

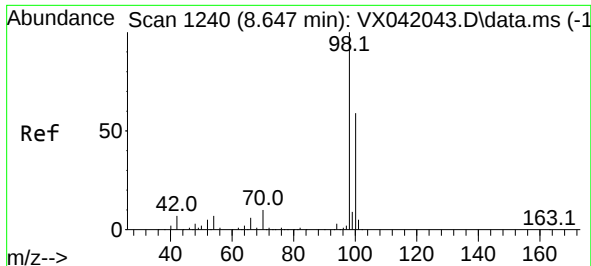
Ion Ratio Lower Upper

117 100

119 4.0 78.2 117.2#

121 0.0 24.4 36.6#

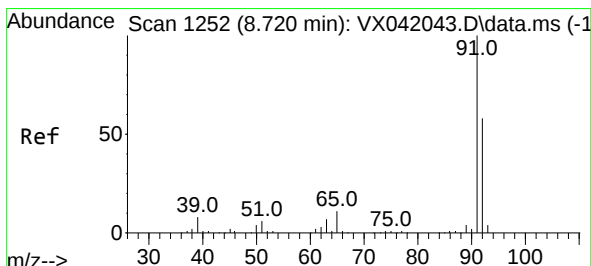
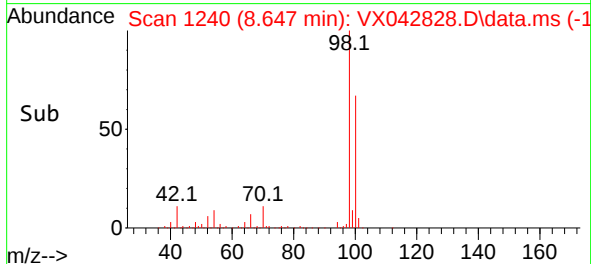
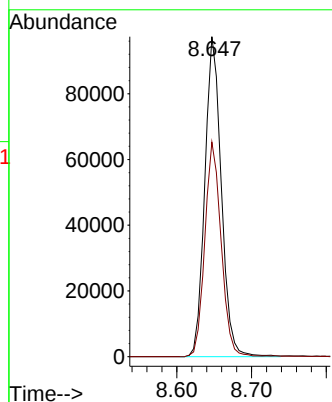
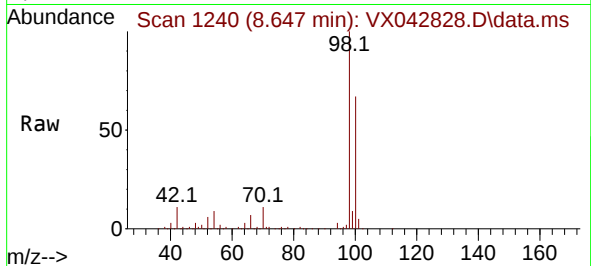




#50  
Toluene-d8  
Concen: 47.969 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX042828.D  
Acq: 02 Aug 2024 06:12

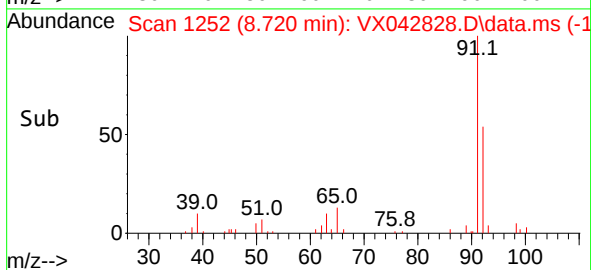
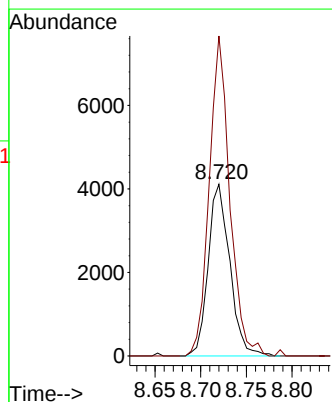
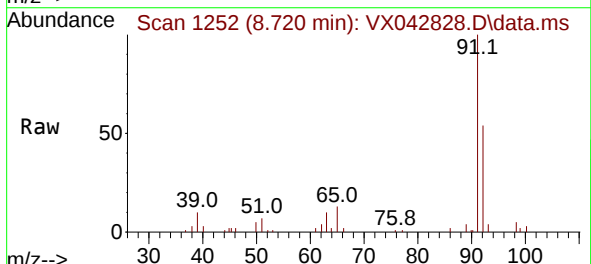
Instrument :  
MSVOA\_X  
ClientSampleId :  
931-K1-WS-073124

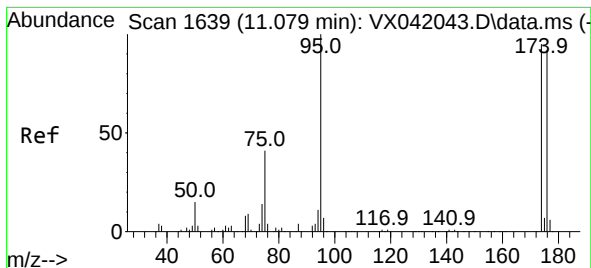
Tgt Ion: 98 Resp: 149519  
Ion Ratio Lower Upper  
98 100  
100 66.2 53.1 79.7



#52  
Toluene  
Concen: 2.983 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX042828.D  
Acq: 02 Aug 2024 06:12

Tgt Ion: 92 Resp: 6764  
Ion Ratio Lower Upper  
92 100  
91 177.0 134.2 201.2

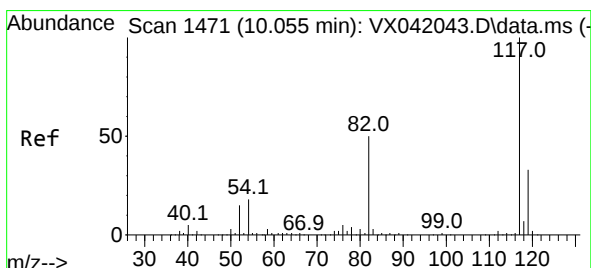
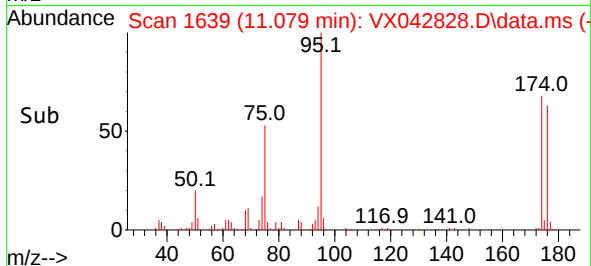
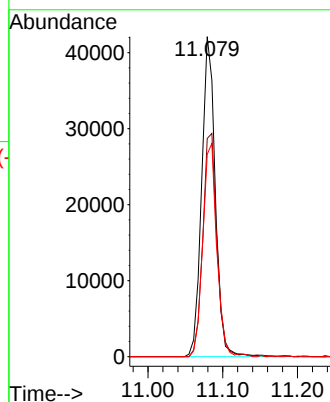
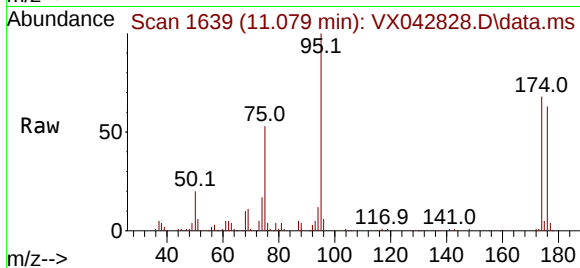




#62  
4-Bromofluorobenzene  
Concen: 46.871 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX042828.D  
Acq: 02 Aug 2024 06:12

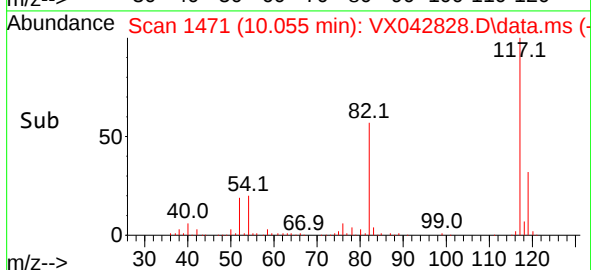
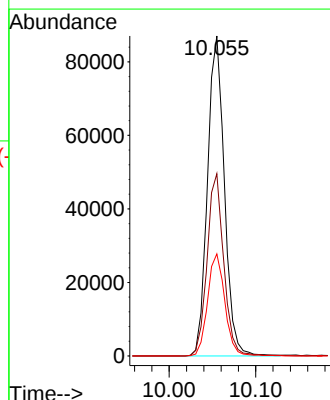
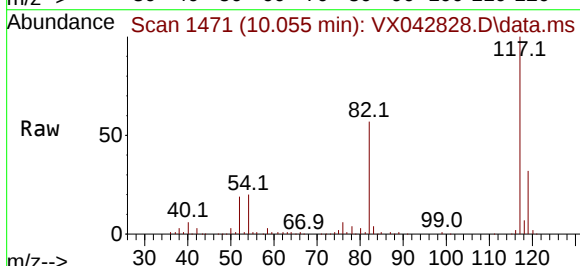
Instrument :  
MSVOA\_X  
ClientSampleId :  
931-K1-WS-073124

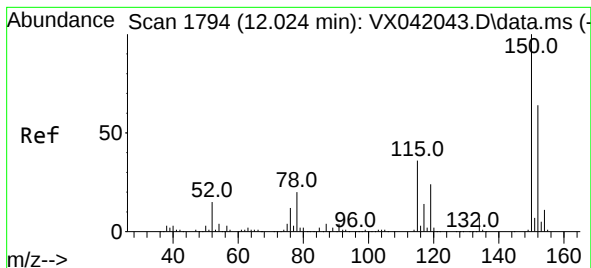
Tgt Ion: 95 Resp: 53390  
Ion Ratio Lower Upper  
95 100  
174 72.4 0.0 135.6  
176 68.4 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX042828.D  
Acq: 02 Aug 2024 06:12

Tgt Ion: 117 Resp: 118001  
Ion Ratio Lower Upper  
117 100  
82 56.9 46.2 69.4  
119 31.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX042828.D

Acq: 02 Aug 2024 06:12

Instrument :

MSVOA\_X

ClientSampleId :

931-K1-WS-073124

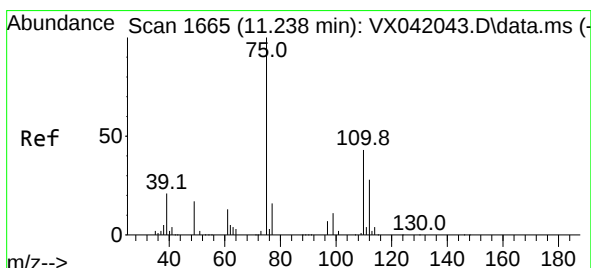
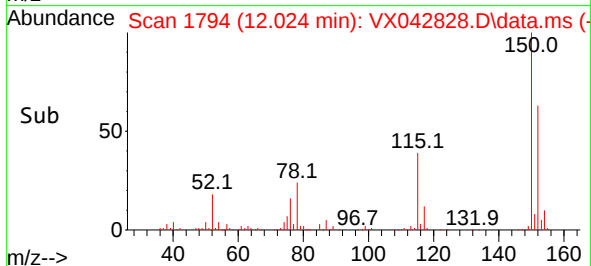
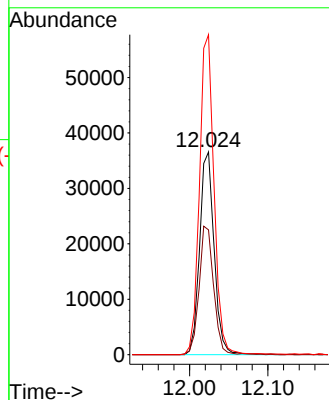
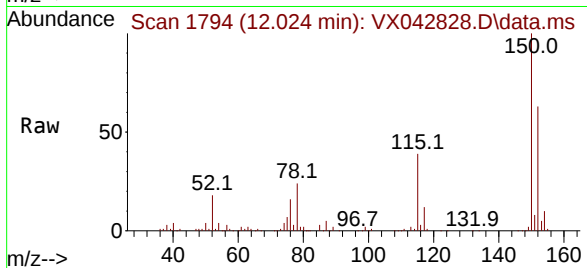
Tgt Ion:152 Resp: 47234

Ion Ratio Lower Upper

152 100

115 63.8 43.3 129.9

150 157.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.030 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042828.D

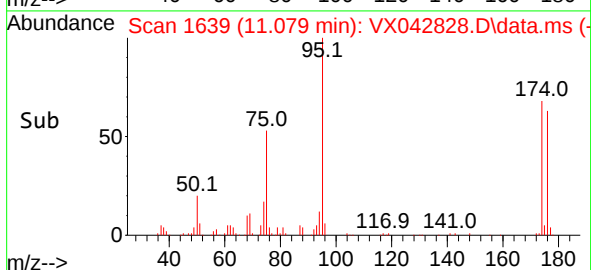
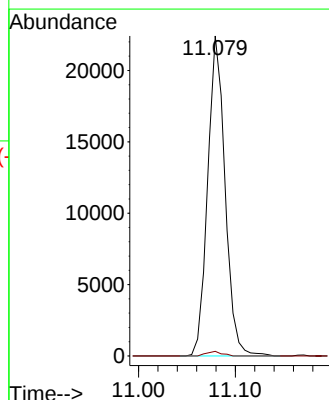
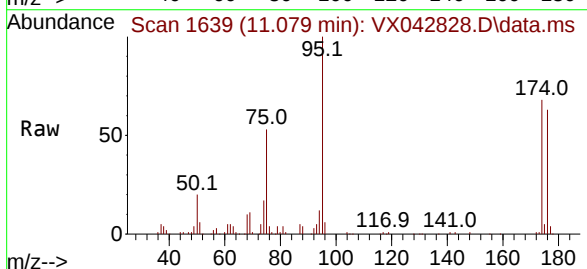
Acq: 02 Aug 2024 06:12

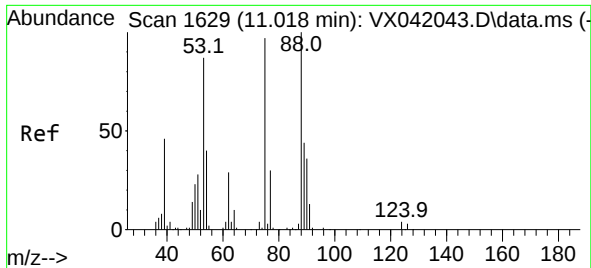
Tgt Ion: 75 Resp: 28094

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 77.042 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX042828.D  
 Acq: 02 Aug 2024 06:12

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 931-K1-WS-073124

Tgt Ion: 75 Resp: 28094  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

