

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW121622\  
 Data File : VW029695.D  
 Acq On : 16 Dec 2022 14:11  
 Operator : SY/MD  
 Sample : N6034-19  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 16 20:18:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 16 20:17:28 2022  
 Response via : Initial Calibration

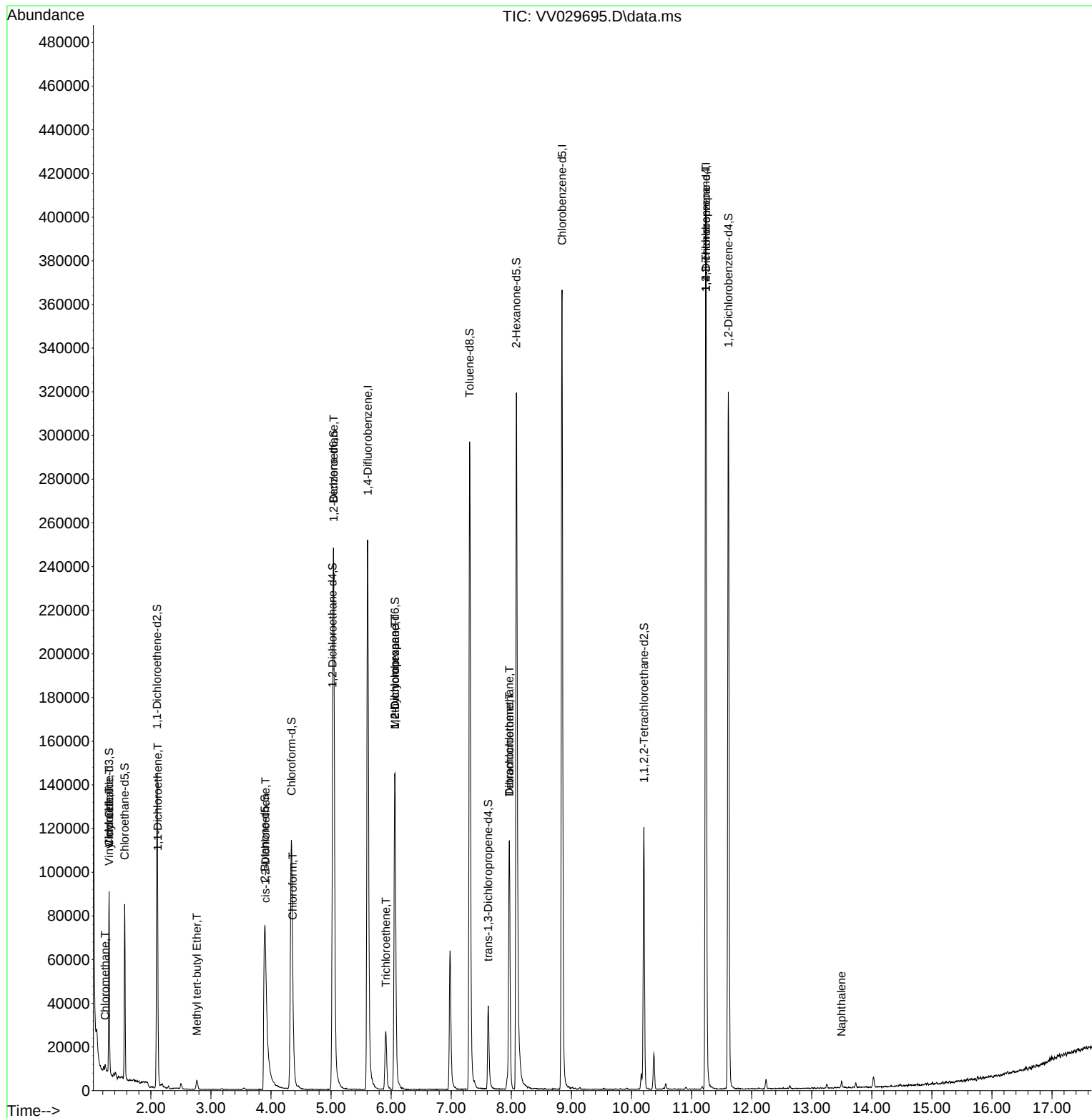
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.609  | 114            | 240551   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.844  | 117            | 217964   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239 | 152            | 112981   | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65             | 51618    | 3.487  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 69.800%  |          |
| 7) Chloroethane-d5            | 1.565  | 69             | 50443    | 4.655  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 93.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63             | 73402    | 3.099  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 62.000%  |          |
| 20) 2-Butanone-d5             | 3.896  | 46             | 146484   | 59.151 | ug/L     | -0.02    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 118.300% |          |
| 24) Chloroform-d              | 4.339  | 84             | 122204   | 4.625  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 92.400%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.024  | 65             | 56429    | 4.854  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 97.000%  |          |
| 32) Benzene-d6                | 5.040  | 84             | 247477   | 4.108  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 82.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67             | 78722    | 4.651  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 93.000%  |          |
| 41) Toluene-d8                | 7.307  | 98             | 213750   | 3.759  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 75.200%  |          |
| 43) trans-1,3-Dichloroprop... | 7.616  | 79             | 25338    | 3.883  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 77.600%  |          |
| 46) 2-Hexanone-d5             | 8.085  | 63             | 127810   | 54.941 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 109.880% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207 | 84             | 59049    | 5.653  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 113.000% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.612 | 152            | 89635    | 4.541  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 90.800%  |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 3) Chloromethane              | 1.240  | 50             | 1961     | 0.119  | ug/L     | 94       |
| 5) Vinyl chloride             | 1.307  | 62             | 746      | 0.046  | ug/L #   | 1        |
| 8) Chloroethane               | 1.304  | 64             | 759      | 0.078  | ug/L #   | 1        |
| 12) 1,1-Dichloroethene        | 2.114  | 96             | 4334     | 0.350  | ug/L #   | 1        |
| 17) Methyl tert-butyl Ether   | 2.767  | 73             | 4137     | 0.131  | ug/L     | 96       |
| 22) cis-1,2-Dichloroethene    | 3.909  | 96             | 8490     | 0.523  | ug/L     | 94       |
| 25) Chloroform                | 4.362  | 83             | 17124    | 0.642  | ug/L     | 97       |
| 27) 1,2-Dichloroethane        | 5.044  | 62             | 1094     | 0.076  | ug/L #   | 72       |
| 34) Trichloroethene           | 5.912  | 95             | 10127    | 0.609  | ug/L     | 91       |
| 35) Methylcyclohexane         | 6.063  | 83             | 18355    | 0.654  | ug/L #   | 21       |
| 37) 1,2-Dichloropropane       | 6.063  | 63             | 7637     | 0.497  | ug/L #   | 85       |
| 47) Tetrachloroethene         | 7.966  | 164            | 27878    | 2.045  | ug/L     | 97       |
| 49) Dibromochloromethane      | 7.966  | 129            | 24609    | 2.104  | ug/L #   | 11       |
| 61) 1,2,3-Trichloropropane    | 11.236 | 75             | 12652    | 1.615  | ug/L #   | 66       |
| 71) Naphthalene               | 13.497 | 128            | 3031     | 0.154  | ug/L #   | 85       |

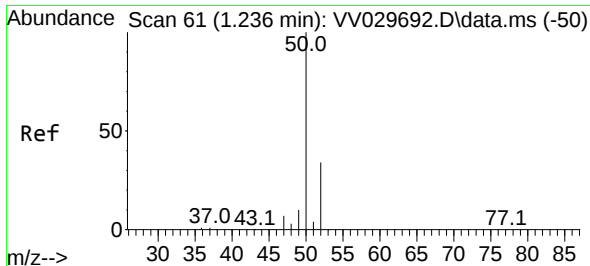
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV121622\  
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ClientSampleId :

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Dec 16 20:17:28 2022  
Response via : Initial Calibration

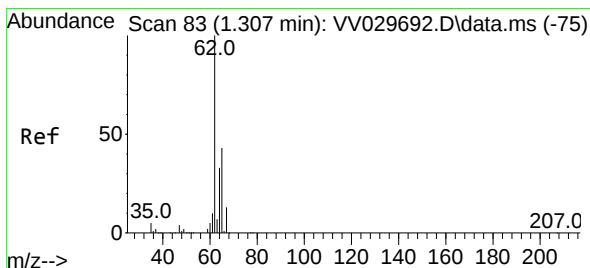
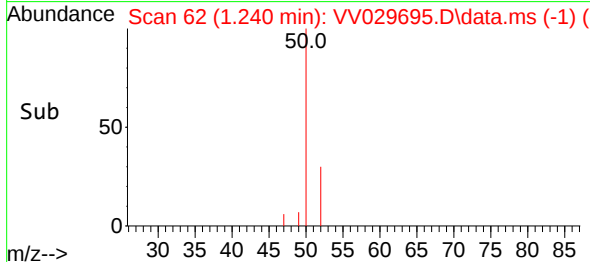
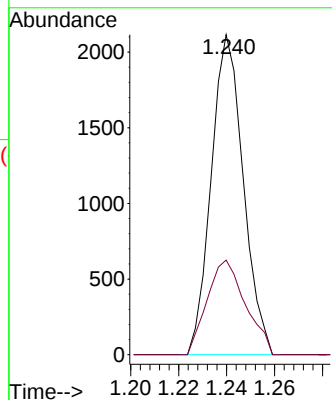
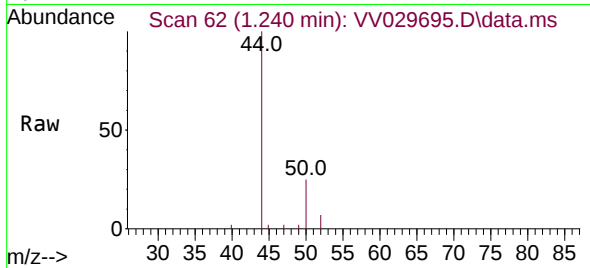




#3  
Chloromethane  
Concen: 0.119 ug/L  
RT: 1.240 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VV029695.D  
Acq: 16 Dec 2022 14:11

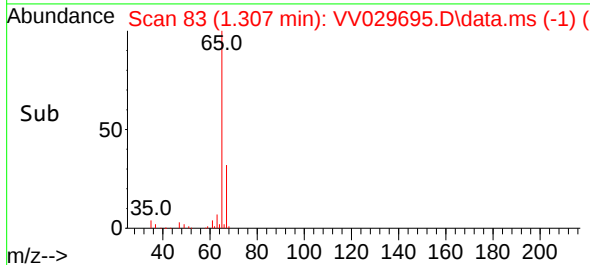
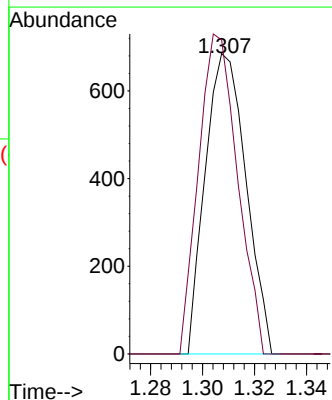
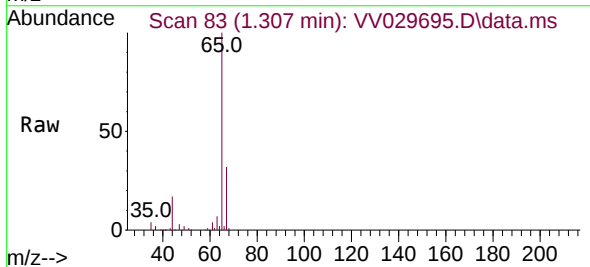
Instrument :  
MSVOA\_V  
ClientSampleId :

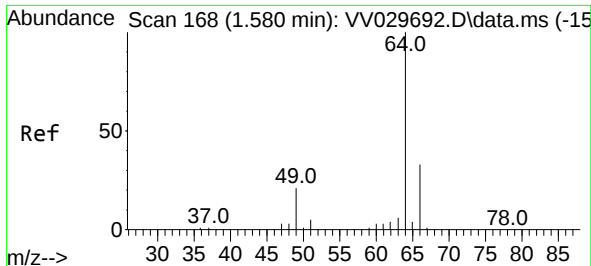
Tgt Ion: 50 Resp: 1961  
Ion Ratio Lower Upper  
50 100  
52 29.6 23.2 43.2



#5  
Vinyl chloride  
Concen: 0.046 ug/L  
RT: 1.307 min Scan# 83  
Delta R.T. 0.000 min  
Lab File: VV029695.D  
Acq: 16 Dec 2022 14:11

Tgt Ion: 62 Resp: 746  
Ion Ratio Lower Upper  
62 100  
64 104.5 23.4 43.4#

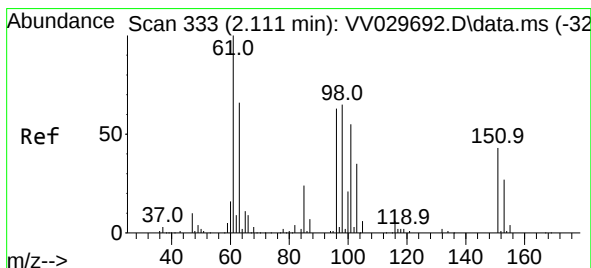
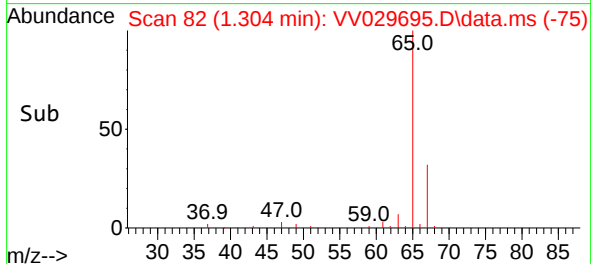
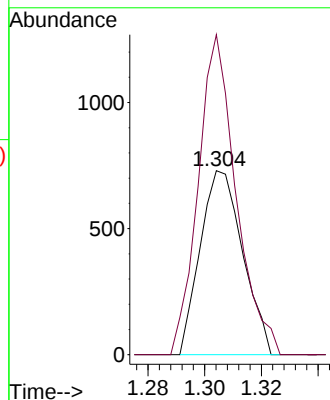
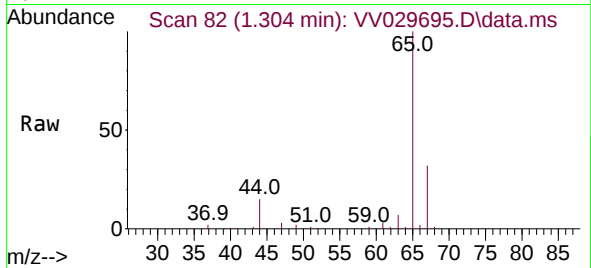




#8  
Chloroethane  
Concen: 0.078 ug/L  
RT: 1.304 min Scan# 81  
Delta R.T. -0.276 min  
Lab File: VV029695.D  
Acq: 16 Dec 2022 14:11

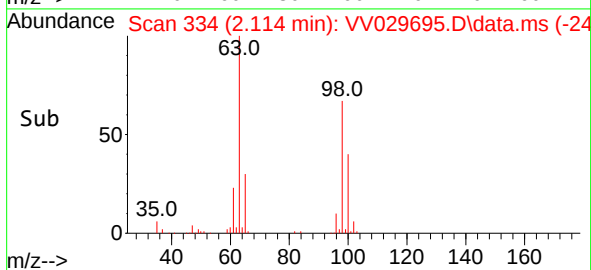
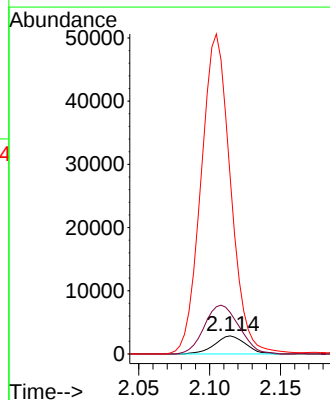
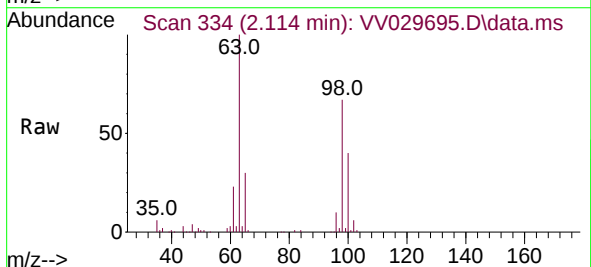
Instrument :  
MSVOA\_V  
ClientSampleId :

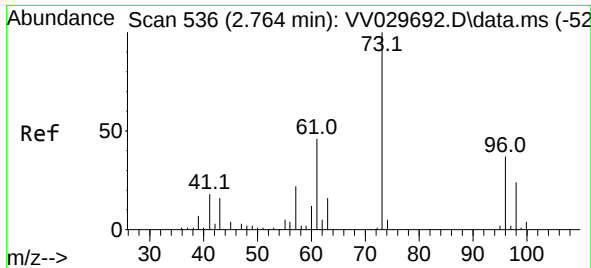
Tgt Ion: 64 Resp: 759  
Ion Ratio Lower Upper  
64 100  
66 173.8 23.5 43.7#



#12  
1,1-Dichloroethene  
Concen: 0.350 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. 0.003 min  
Lab File: VV029695.D  
Acq: 16 Dec 2022 14:11

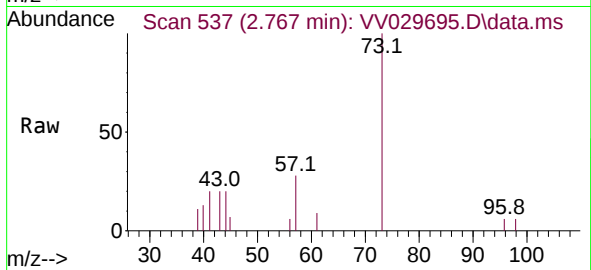
Tgt Ion: 96 Resp: 4334  
Ion Ratio Lower Upper  
96 100  
61 229.7 110.3 204.9#  
63 980.7 84.4 156.8#



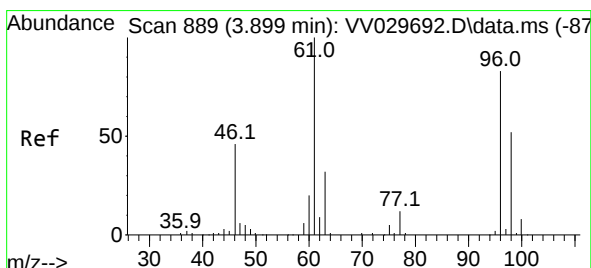
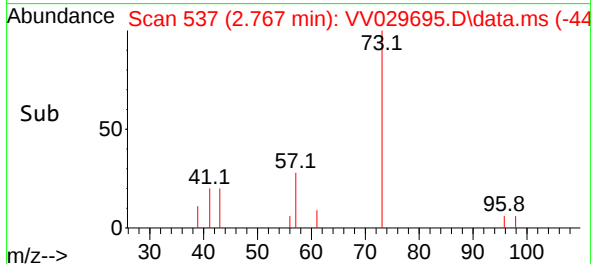
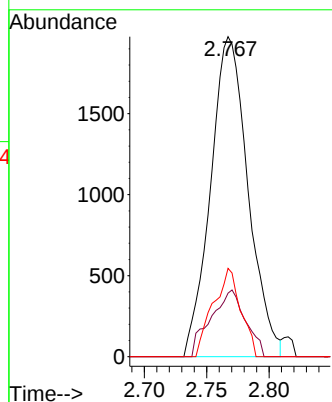


#17  
Methyl tert-butyl Ether  
Concen: 0.131 ug/L  
RT: 2.767 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VV029695.D  
Acq: 16 Dec 2022 14:11

Instrument :  
MSVOA\_V  
ClientSampleId :

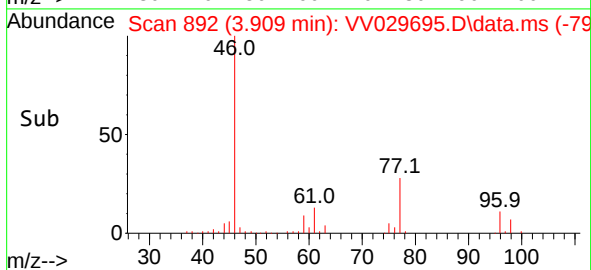
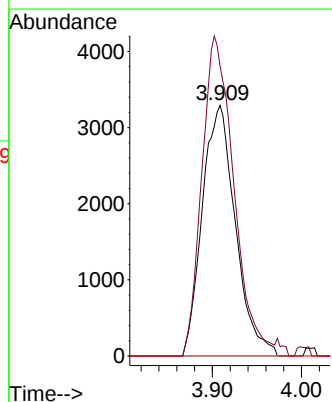
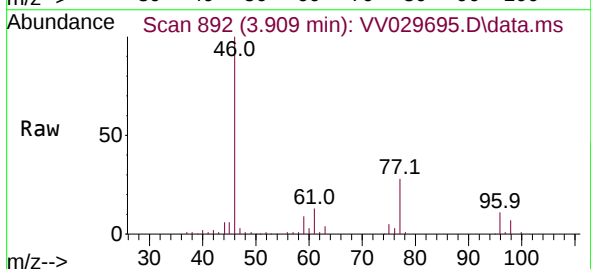


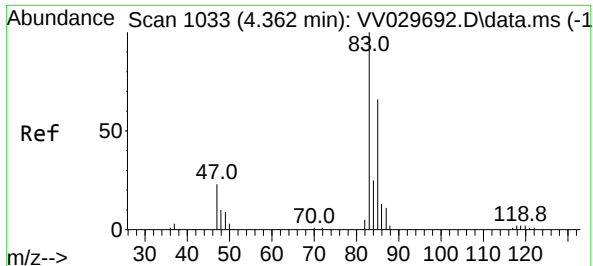
Tgt Ion: 73 Resp: 4137  
Ion Ratio Lower Upper  
73 100  
43 19.3 13.2 19.8  
57 20.3 16.9 25.3



#22  
cis-1,2-Dichloroethene  
Concen: 0.523 ug/L  
RT: 3.909 min Scan# 892  
Delta R.T. 0.010 min  
Lab File: VV029695.D  
Acq: 16 Dec 2022 14:11

Tgt Ion: 96 Resp: 8490  
Ion Ratio Lower Upper  
96 100  
61 115.7 85.8 159.3  
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.642 ug/L

RT: 4.362 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV029695.D

Acq: 16 Dec 2022 14:11

Instrument :

MSVOA\_V

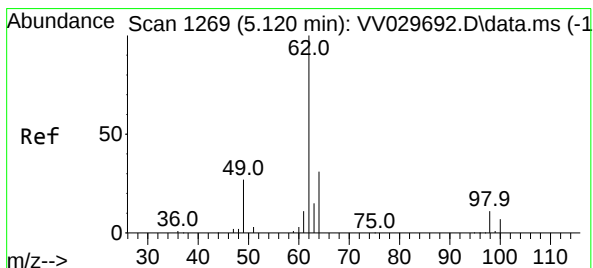
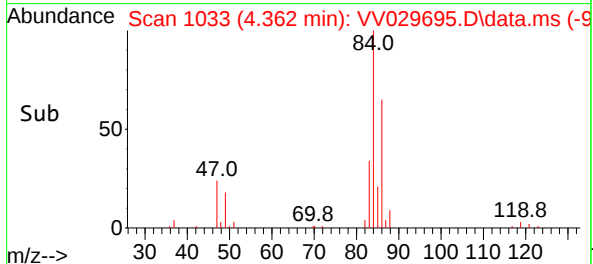
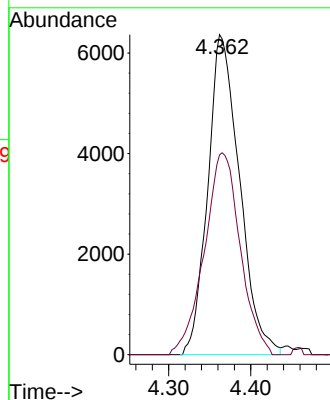
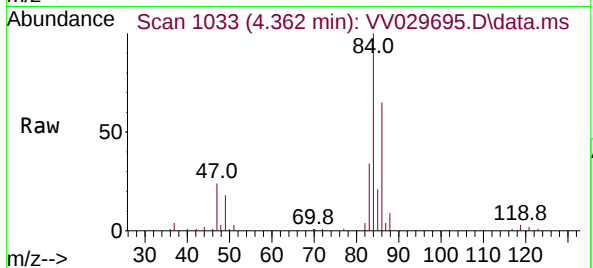
ClientSampleId :

Tgt Ion: 83 Resp: 17124

Ion Ratio Lower Upper

83 100

85 62.5 45.4 84.4



#27

1,2-Dichloroethane

Concen: 0.076 ug/L

RT: 5.044 min Scan# 1245

Delta R.T. -0.077 min

Lab File: VV029695.D

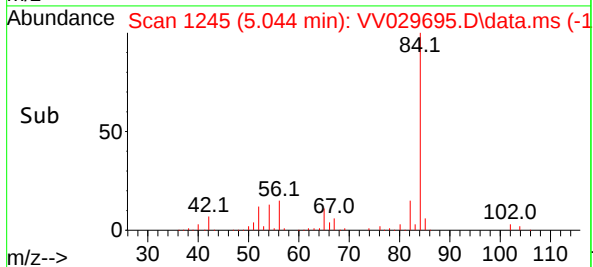
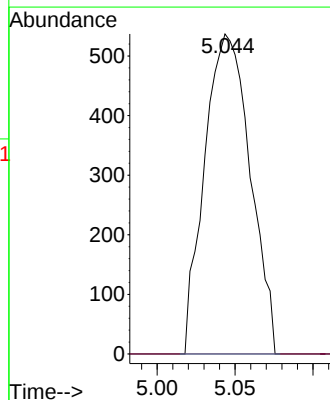
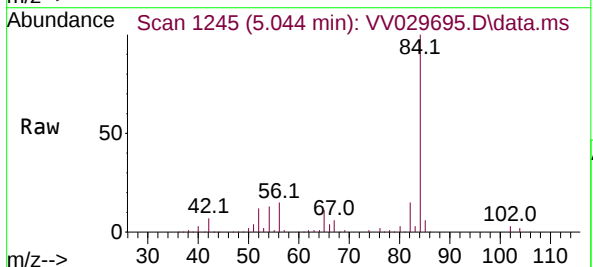
Acq: 16 Dec 2022 14:11

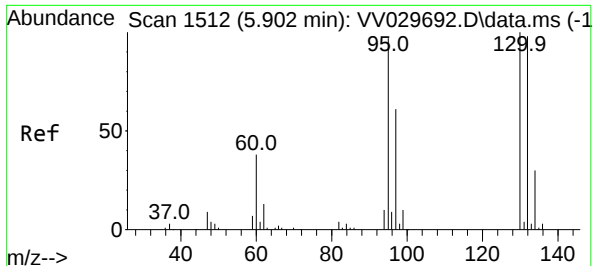
Tgt Ion: 62 Resp: 1094

Ion Ratio Lower Upper

62 100

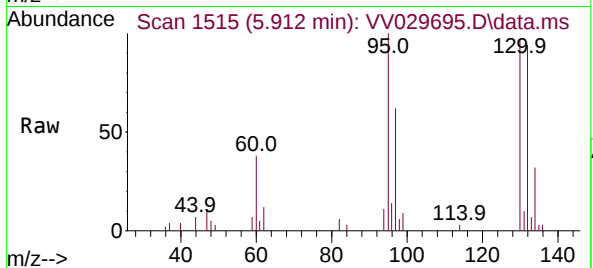
98 0.0 8.4 12.6#





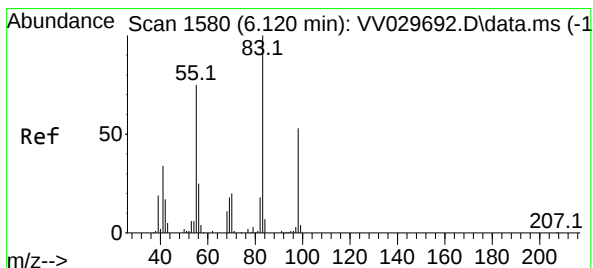
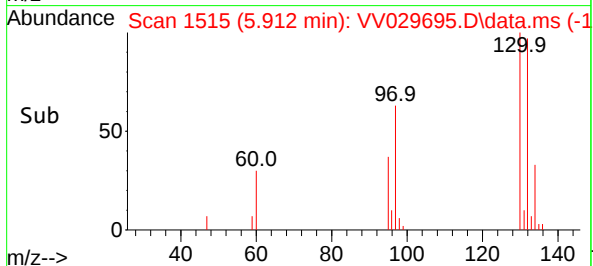
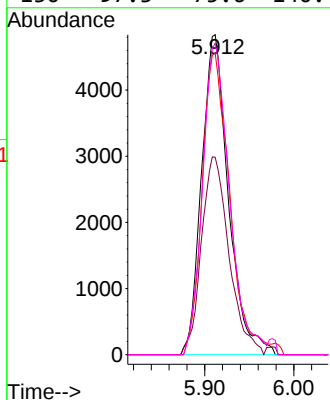
#34  
Trichloroethene  
Concen: 0.609 ug/L  
RT: 5.912 min Scan# 11  
Delta R.T. 0.010 min  
Lab File: VV029695.D  
Acq: 16 Dec 2022 14:11

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion: 95 Resp: 10127

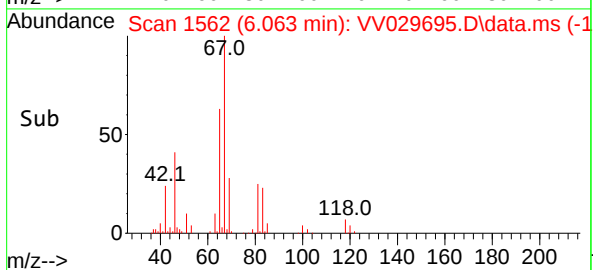
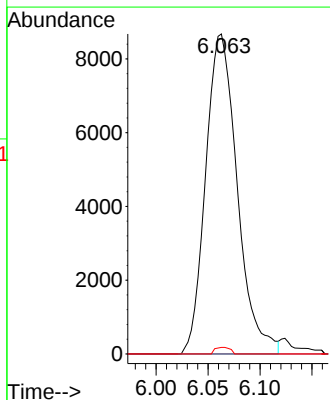
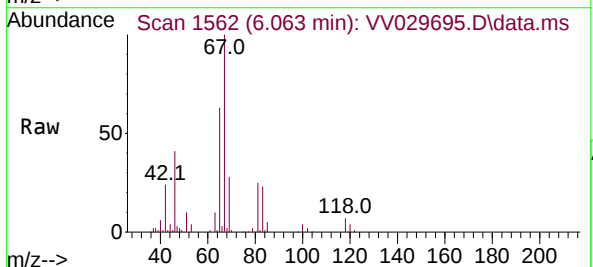
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 61.7  | 45.4  | 84.4  |
| 132 | 94.3  | 73.3  | 136.1 |
| 130 | 97.3  | 75.6  | 140.4 |

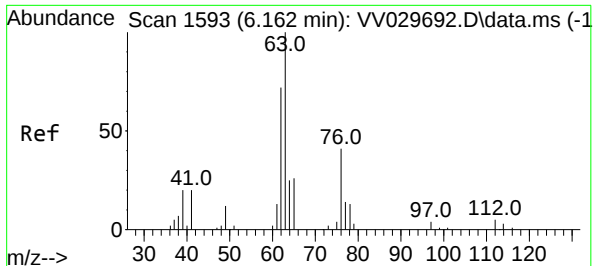


#35  
Methylcyclohexane  
Concen: 0.654 ug/L  
RT: 6.063 min Scan# 1562  
Delta R.T. -0.058 min  
Lab File: VV029695.D  
Acq: 16 Dec 2022 14:11

Tgt Ion: 83 Resp: 18355

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.0   | 55.4  | 83.2# |
| 98  | 1.0   | 39.4  | 59.2# |





#37

1,2-Dichloropropane

Concen: 0.497 ug/L

RT: 6.063 min Scan# 1

Delta R.T. -0.099 min

Lab File: VV029695.D

Acq: 16 Dec 2022 14:11

Instrument :

MSVOA\_V

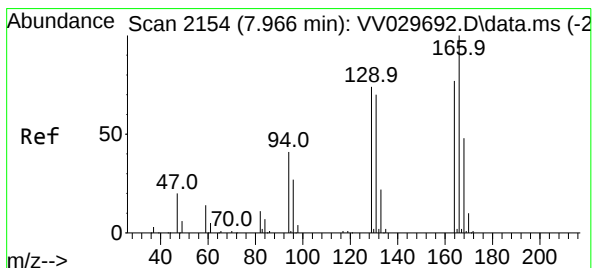
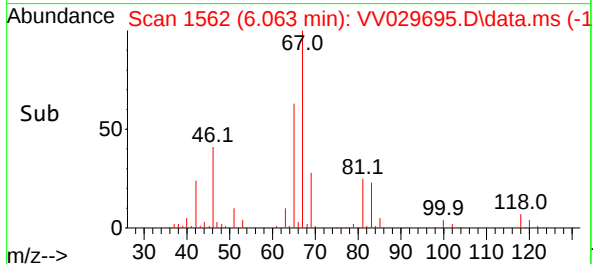
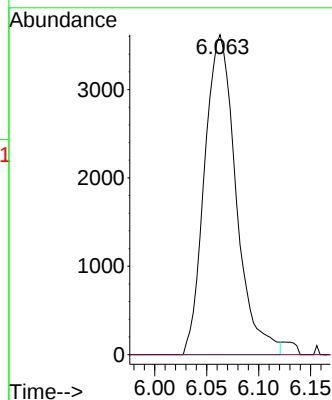
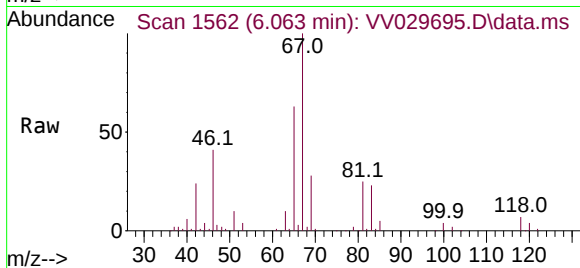
ClientSampleId :

Tgt Ion: 63 Resp: 7637

Ion Ratio Lower Upper

63 100

112 0.0 4.1 6.1#



#47

Tetrachloroethene

Concen: 2.045 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. 0.000 min

Lab File: VV029695.D

Acq: 16 Dec 2022 14:11

Tgt Ion: 164 Resp: 27878

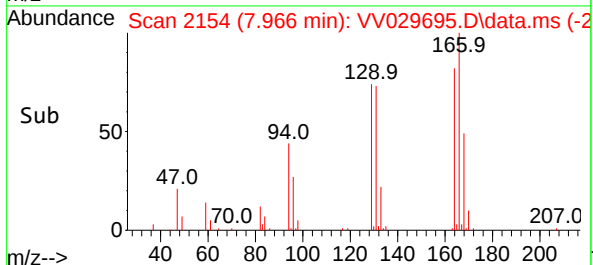
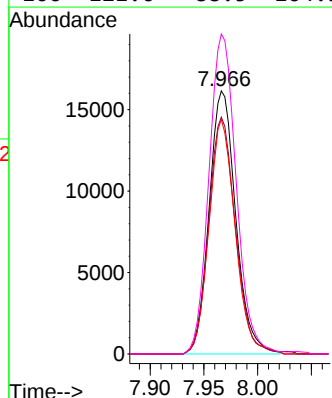
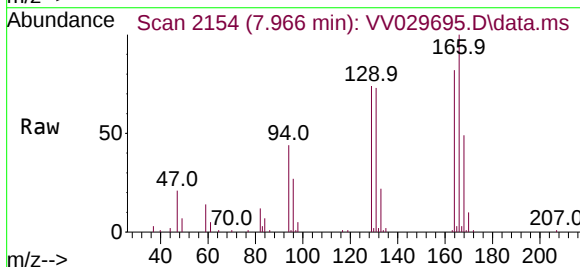
Ion Ratio Lower Upper

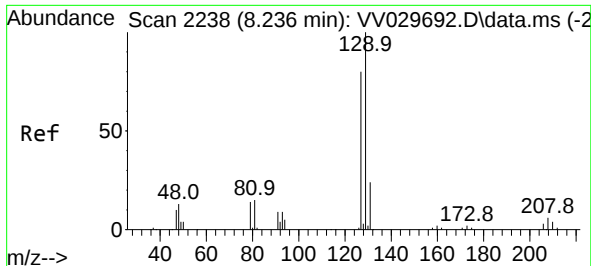
164 100

129 90.0 61.7 114.7

131 89.2 62.9 116.9

166 121.6 88.5 164.3

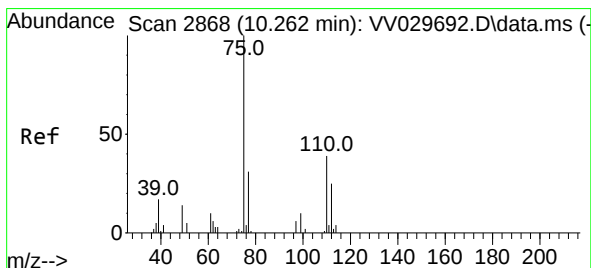
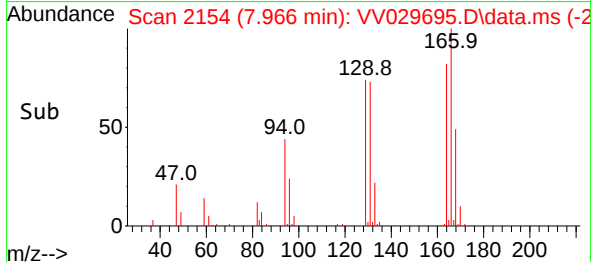
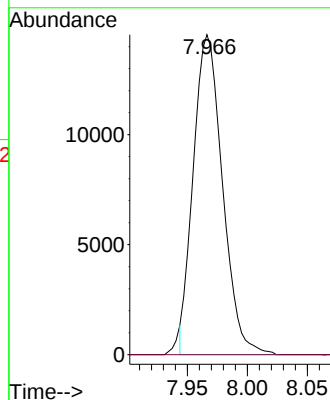
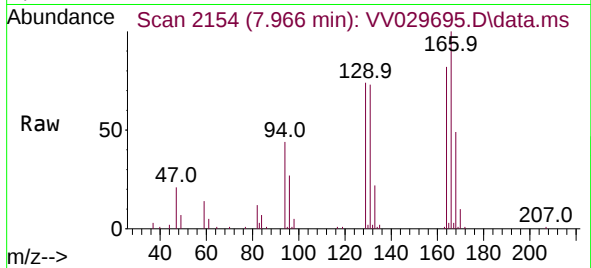




#49  
Dibromochloromethane  
Concen: 2.104 ug/L  
RT: 7.966 min Scan# 2154  
Delta R.T. -0.270 min  
Lab File: VV029695.D  
Acq: 16 Dec 2022 14:11

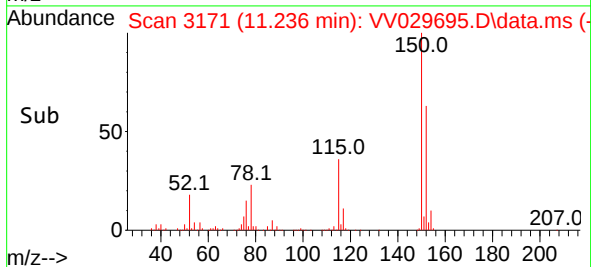
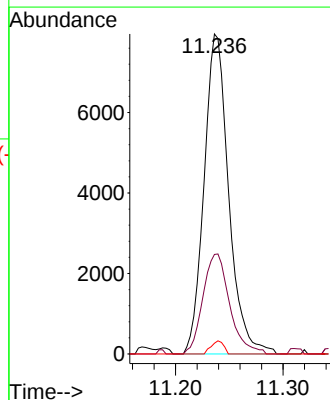
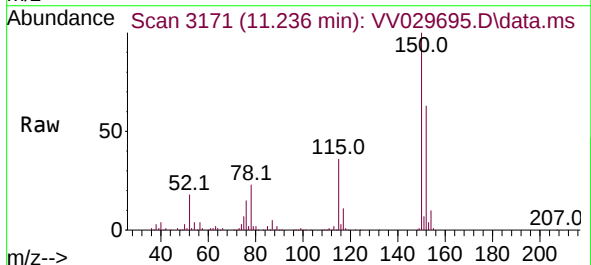
Instrument :  
MSVOA\_V  
ClientSampleId :

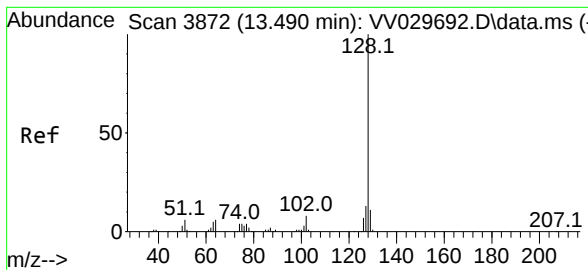
Tgt Ion:129 Resp: 24609  
Ion Ratio Lower Upper  
129 100  
127 0.0 53.1 98.7#



#61  
1,2,3-Trichloropropane  
Concen: 1.615 ug/L  
RT: 11.236 min Scan# 3171  
Delta R.T. 0.974 min  
Lab File: VV029695.D  
Acq: 16 Dec 2022 14:11

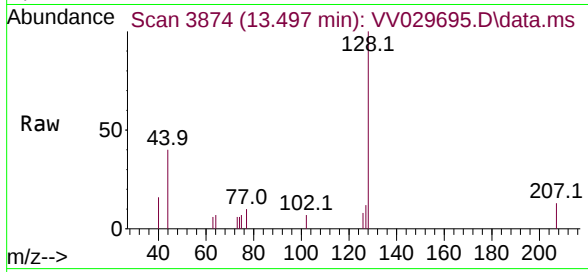
Tgt Ion: 75 Resp: 12652  
Ion Ratio Lower Upper  
75 100  
77 33.9 26.7 40.1  
110 2.1 32.2 48.4#





#71  
Naphthalene  
Concen: 0.154 ug/L  
RT: 13.497 min Scan# 3874  
Delta R.T. 0.007 min  
Lab File: VV029695.D  
Acq: 16 Dec 2022 14:11

Instrument :  
MSVOA\_V  
ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 3031  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 3.1   | 8.9   | 13.3# |
| 127      | 9.4   | 10.6  | 15.8# |

