

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112025\  
 Data File : VU063752.D  
 Acq On : 20 Nov 2025 11:10  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005150

Quant Time: Nov 21 04:16:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111925WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 21 04:14:42 2025  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 6.222     | 114   | 160598   | 5.000    | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 9.393     | 117   | 165548   | 5.000    | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.788    | 152   | 108538   | 5.000    | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 1.586     | 65    | 88380    | 5.157    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 40 - 130 | Recovery | = 103.200% |          |
| 7) Chloroethane-d5            | 1.895     | 69    | 81198    | 5.505    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 65 - 130 | Recovery | = 110.200% |          |
| 11) 1,1-Dichloroethene-d2     | 2.544     | 65    | 42266    | 5.366    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 60 - 125 | Recovery | = 107.400% |          |
| 20) 2-Butanone-d5             | 4.592     | 46    | 158838   | 53.359   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 40 - 130 | Recovery | = 106.720% |          |
| 24) Chloroform-d              | 5.030     | 84    | 201440   | 5.650    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 125 | Recovery | = 113.000% |          |
| 26) 1,2-Dichloroethane-d4     | 5.673     | 65    | 98999    | 5.385    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 130 | Recovery | = 107.600% |          |
| 32) Benzene-d6                | 5.698     | 84    | 384311   | 5.564    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 125 | Recovery | = 111.200% |          |
| 36) 1,2-Dichloropropane-d6    | 6.660     | 67    | 109524   | 5.611    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 60 - 140 | Recovery | = 112.200% |          |
| 41) Toluene-d8                | 7.872     | 98    | 361563   | 5.429    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 130 | Recovery | = 108.600% |          |
| 43) trans-1,3-Dichloroprop... | 8.155     | 79    | 35447    | 5.399    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 55 - 130 | Recovery | = 108.000% |          |
| 46) 2-Hexanone-d5             | 8.608     | 63    | 121781   | 53.369   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 45 - 130 | Recovery | = 106.740% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.730    | 84    | 80606    | 5.466    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 65 - 120 | Recovery | = 109.400% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.168    | 152   | 124542   | 5.301    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 80 - 120 | Recovery | = 106.000% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.374     | 85    | 66836    | 5.643    | ug/L       | 98       |
| 3) Chloromethane              | 1.509     | 50    | 49105    | 5.338    | ug/L       | 98       |
| 5) Vinyl chloride             | 1.589     | 62    | 63321    | 5.421    | ug/L       | 98       |
| 6) Bromomethane               | 1.840     | 94    | 41129    | 5.543    | ug/L       | 96       |
| 8) Chloroethane               | 1.914     | 64    | 45761    | 5.317    | ug/L       | 98       |
| 9) Trichlorofluoromethane     | 2.120     | 101   | 126810   | 5.529    | ug/L       | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.557     | 101   | 78576    | 5.711    | ug/L       | 99       |
| 12) 1,1-Dichloroethene        | 2.557     | 96    | 59484    | 5.611    | ug/L       | 96       |
| 13) Acetone                   | 2.602     | 43    | 125525   | 51.559   | ug/L       | 99       |
| 14) Carbon disulfide          | 2.769     | 76    | 70721    | 4.851    | ug/L       | 99       |
| 15) Methyl Acetate            | 2.930     | 43    | 23763    | 4.953    | ug/L       | 97       |
| 16) Methylene chloride        | 3.017     | 84    | 73249    | 4.957    | ug/L       | 99       |
| 17) Methyl tert-butyl Ether   | 3.335     | 73    | 190998   | 5.413    | ug/L       | 99       |
| 18) trans-1,2-Dichloroethene  | 3.325     | 96    | 60324    | 5.304    | ug/L       | 99       |
| 19) 1,1-Dichloroethane        | 3.833     | 63    | 144246   | 5.418    | ug/L       | 100      |
| 21) 2-Butanone                | 4.673     | 43    | 169947   | 50.863   | ug/L       | 94       |
| 22) cis-1,2-Dichloroethene    | 4.634     | 96    | 85880    | 5.446    | ug/L       | 99       |
| 23) Bromochloromethane        | 4.943     | 128   | 36394    | 5.554    | ug/L       | 93       |
| 25) Chloroform                | 5.055     | 83    | 171401   | 5.541    | ug/L       | 99       |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

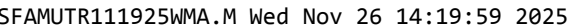
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005150

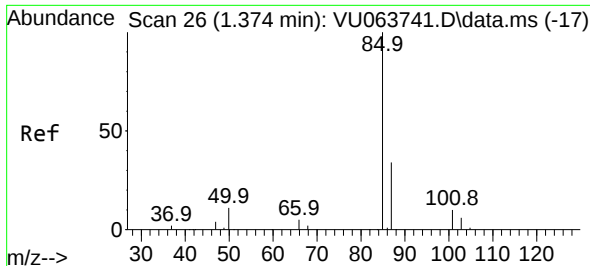
Quant Time: Nov 21 04:16:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111925WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 21 04:14:42 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.766  | 62   | 96151    | 5.293  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.284  | 97   | 131793   | 5.568  | ug/L  | 99       |
| 30) Cyclohexane               | 5.358  | 56   | 95724    | 5.477  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.493  | 117  | 99998    | 5.576  | ug/L  | 100      |
| 33) Benzene                   | 5.743  | 78   | 304003   | 5.495  | ug/L  | 100      |
| 34) Trichloroethene           | 6.515  | 95   | 88495    | 5.389  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.734  | 83   | 105838   | 5.676  | ug/L  | 95       |
| 37) 1,2-Dichloropropane       | 6.763  | 63   | 82574    | 5.316  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.078  | 83   | 113432   | 5.544  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.583  | 75   | 111289   | 5.491  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.763  | 43   | 437667   | 52.361 | ug/L  | 100      |
| 42) Toluene                   | 7.943  | 91   | 343970   | 5.552  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 8.184  | 75   | 83052    | 5.400  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.373  | 97   | 65697    | 5.410  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.528  | 164  | 65518    | 5.421  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.660  | 43   | 314818   | 51.978 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.782  | 129  | 67322    | 5.440  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.898  | 107  | 55265    | 5.257  | ug/L  | 92       |
| 51) Chlorobenzene             | 9.422  | 112  | 243291   | 5.343  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.544  | 91   | 419267   | 5.457  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.669  | 106  | 158317   | 5.457  | ug/L  | 100      |
| 54) o-Xylene                  | 10.074 | 106  | 157487   | 5.495  | ug/L  | 100      |
| 55) Styrene                   | 10.090 | 104  | 258839   | 5.493  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.756 | 83   | 75134    | 5.173  | ug/L  | 99       |
| 59) Bromoform                 | 10.264 | 173  | 34156    | 5.205  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.460 | 105  | 448709   | 5.500  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.798 | 75   | 54334    | 5.316  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.061 | 105  | 365392   | 5.369  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.444 | 105  | 359769   | 5.445  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.721 | 146  | 200644   | 5.197  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.811 | 146  | 199323   | 5.094  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.187 | 146  | 184416   | 5.293  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.971 | 75   | 8552     | 4.549  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.193 | 180  | 146439   | 5.178  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.814 | 180  | 107084   | 4.770  | ug/L  | 98       |
| 71) Naphthalene               | 14.061 | 128  | 127186   | 3.975  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.303 | 180  | 86483    | 4.606  | ug/L  | 99       |

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

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QLast Update : Fri Nov 21 04:14:42 2025  
Response via : Initial Calibration

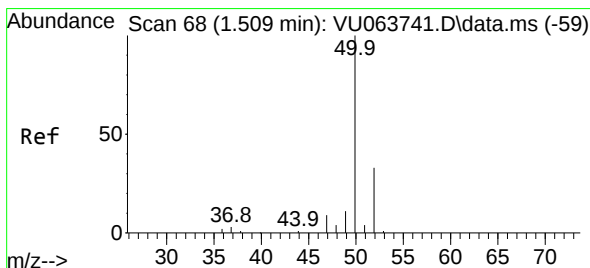
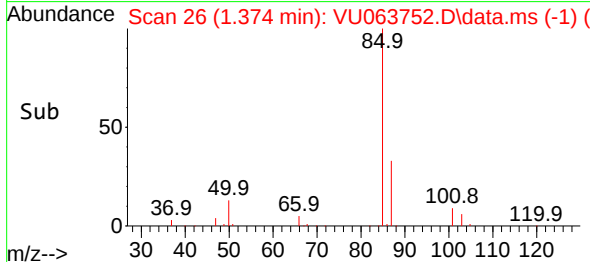
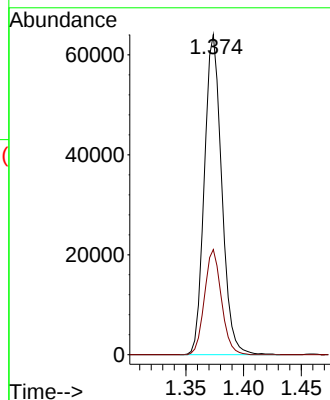
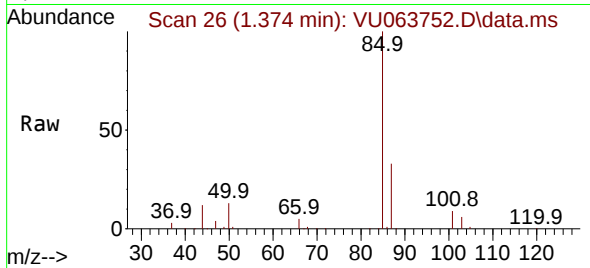




#2  
 Dichlorodifluoromethane  
 Concen: 5.643 ug/L  
 RT: 1.374 min Scan# 20  
 Delta R.T. 0.003 min  
 Lab File: VU063752.D  
 Acq: 20 Nov 2025 11:10

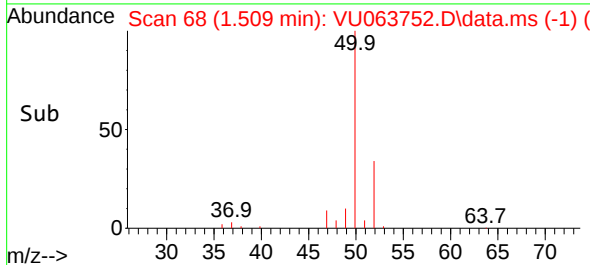
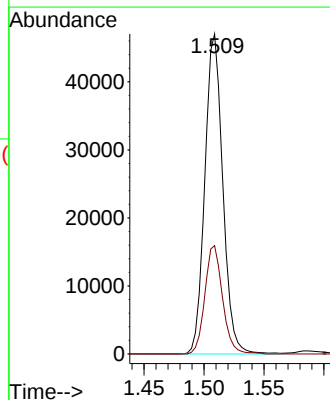
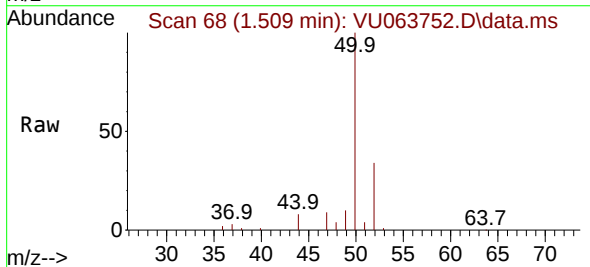
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005150

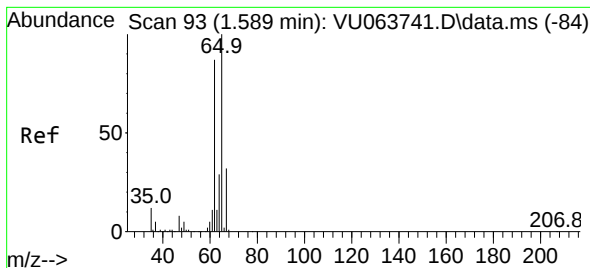
Tgt Ion: 85 Resp: 66836  
 Ion Ratio Lower Upper  
 85 100  
 87 32.0 26.4 39.6



#3  
 Chloromethane  
 Concen: 5.338 ug/L  
 RT: 1.509 min Scan# 68  
 Delta R.T. 0.003 min  
 Lab File: VU063752.D  
 Acq: 20 Nov 2025 11:10

Tgt Ion: 50 Resp: 49105  
 Ion Ratio Lower Upper  
 50 100  
 52 33.9 22.7 42.3





#5

Vinyl chloride

Concen: 5.421 ug/L

RT: 1.589 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA\_U

ClientSampleId :

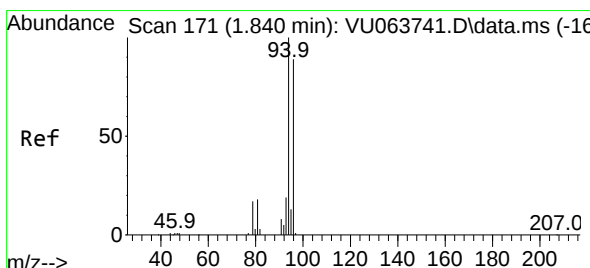
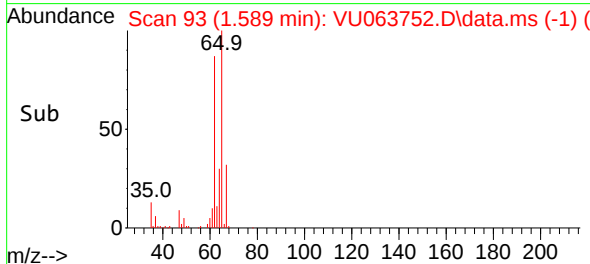
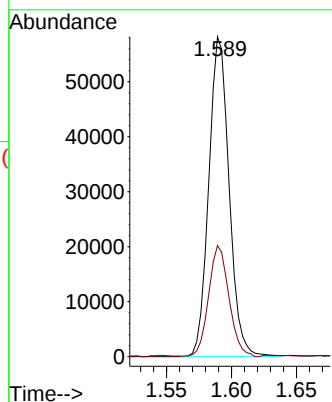
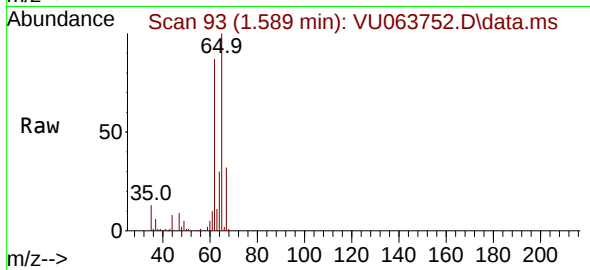
VSTD005150

Tgt Ion: 62 Resp: 63321

Ion Ratio Lower Upper

62 100

64 34.7 23.5 43.7



#6

Bromomethane

Concen: 5.543 ug/L

RT: 1.840 min Scan# 171

Delta R.T. 0.003 min

Lab File: VU063752.D

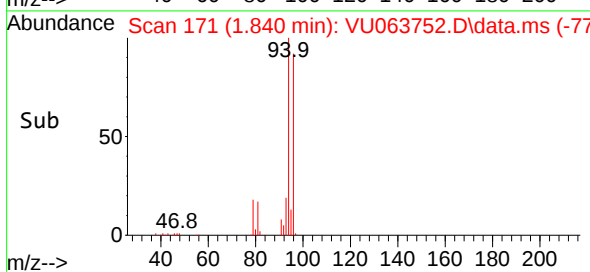
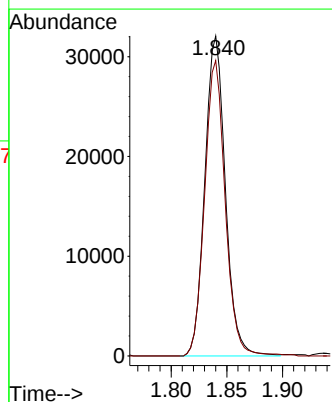
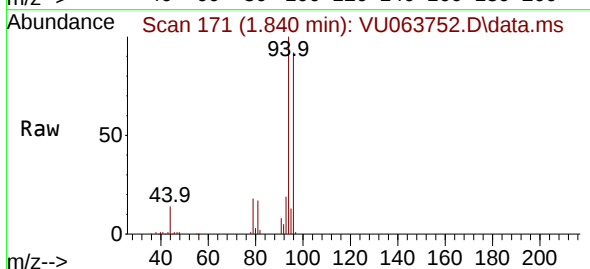
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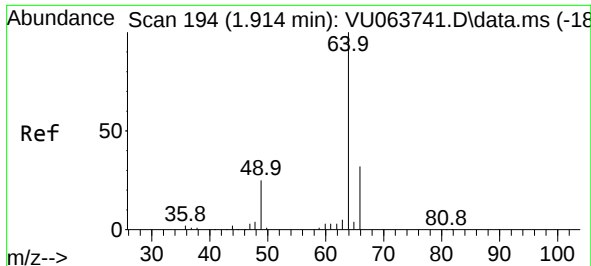
Tgt Ion: 94 Resp: 41129

Ion Ratio Lower Upper

94 100

96 92.3 62.1 115.3

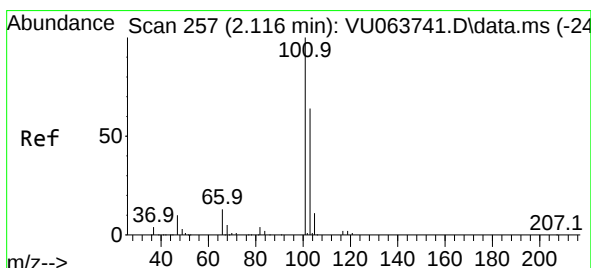
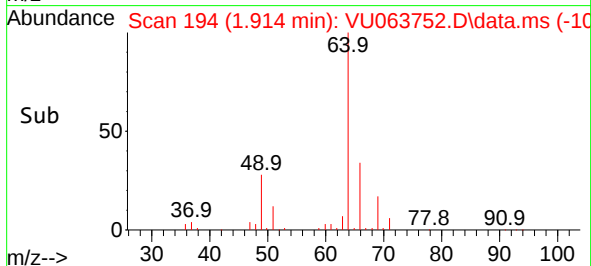
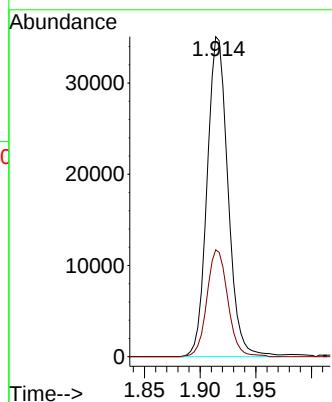
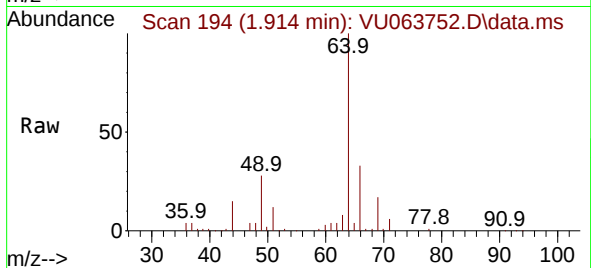




#8  
Chloroethane  
Concen: 5.317 ug/L  
RT: 1.914 min Scan# 194  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

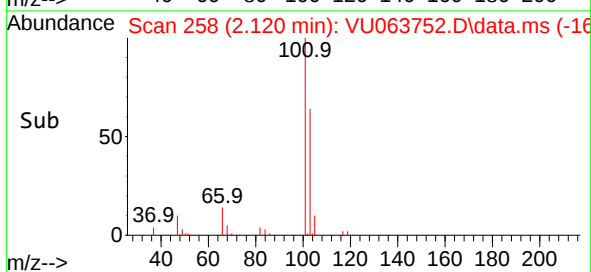
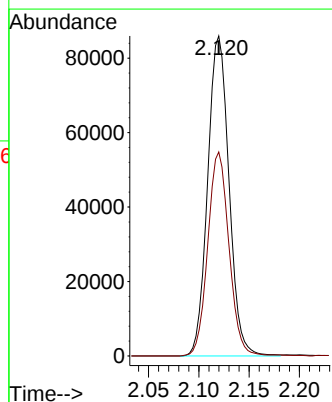
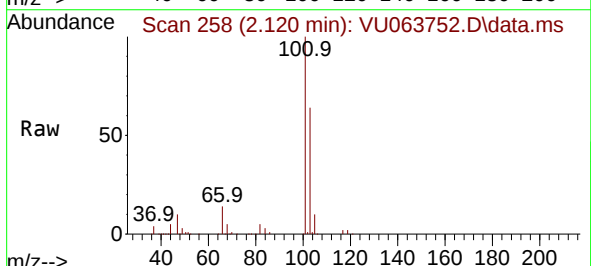
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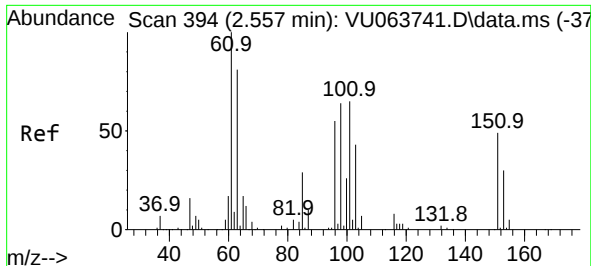
Tgt Ion: 64 Resp: 45761  
Ion Ratio Lower Upper  
64 100  
66 33.4 22.6 42.0



#9  
Trichlorofluoromethane  
Concen: 5.529 ug/L  
RT: 2.120 min Scan# 258  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

Tgt Ion: 101 Resp: 126810  
Ion Ratio Lower Upper  
101 100  
103 63.3 51.0 76.4

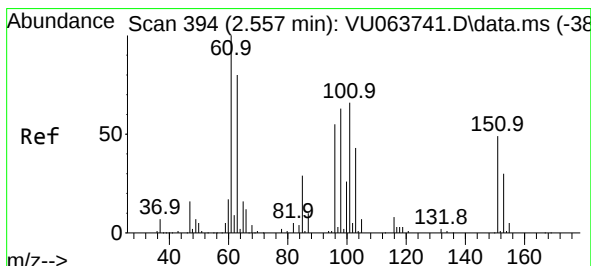
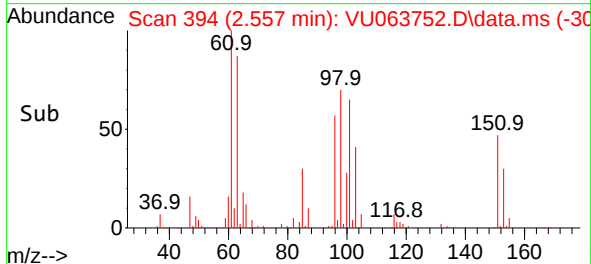
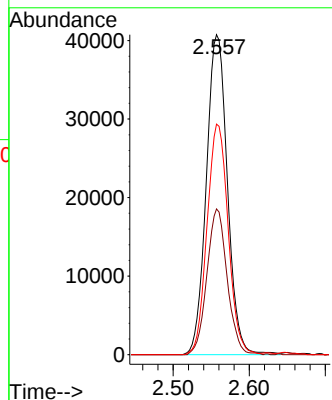
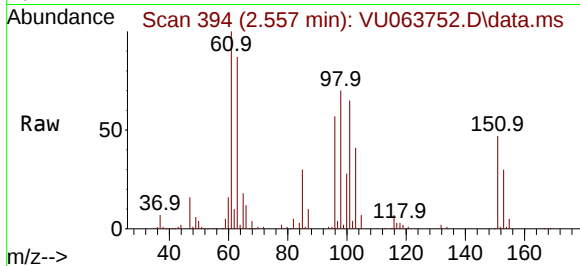




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.711 ug/L  
 RT: 2.557 min Scan# 394  
 Delta R.T. -0.000 min  
 Lab File: VU063752.D  
 Acq: 20 Nov 2025 11:10

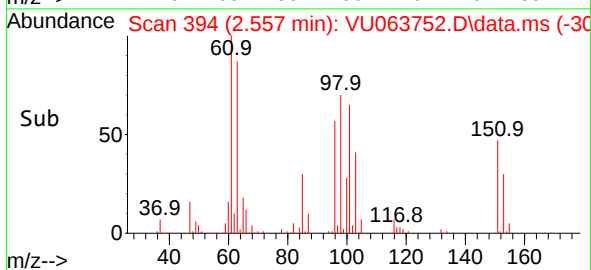
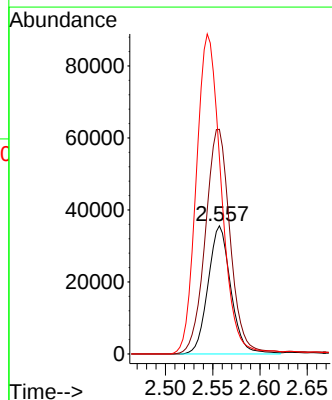
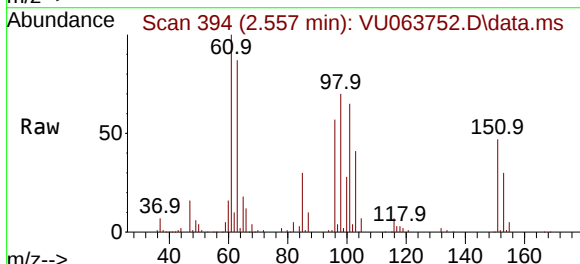
Instrument :  
 MSVOA\_U  
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 VSTD005150

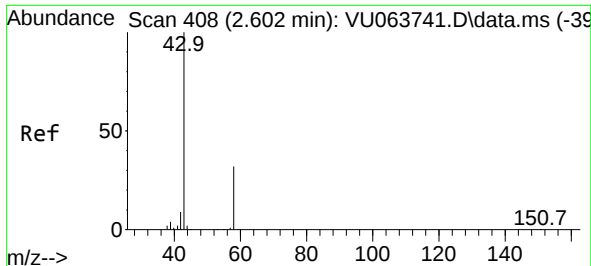
Tgt Ion:101 Resp: 78576  
 Ion Ratio Lower Upper  
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 85 43.8 35.7 53.5  
 151 72.0 58.1 87.1



#12  
 1,1-Dichloroethene  
 Concen: 5.611 ug/L  
 RT: 2.557 min Scan# 394  
 Delta R.T. -0.000 min  
 Lab File: VU063752.D  
 Acq: 20 Nov 2025 11:10

Tgt Ion: 96 Resp: 59484  
 Ion Ratio Lower Upper  
 96 100  
 61 175.4 126.6 235.2  
 63 153.4 104.2 193.4





#13

Acetone

Concen: 51.559 ug/L

RT: 2.602 min Scan# 408

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA\_U

ClientSampleId :

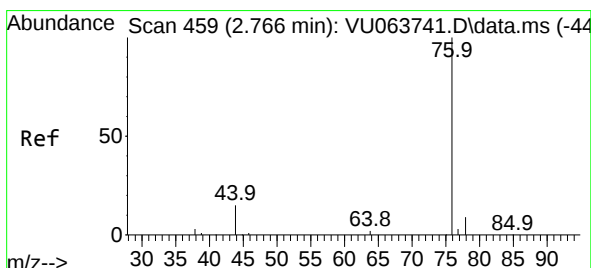
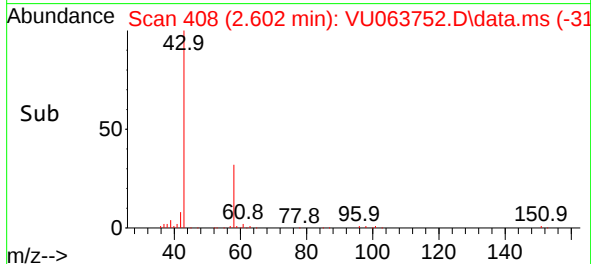
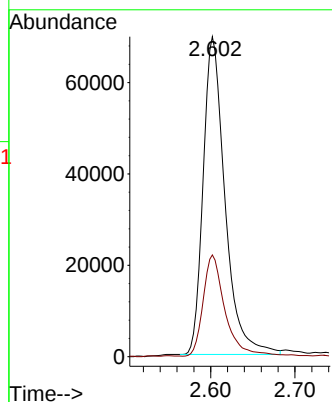
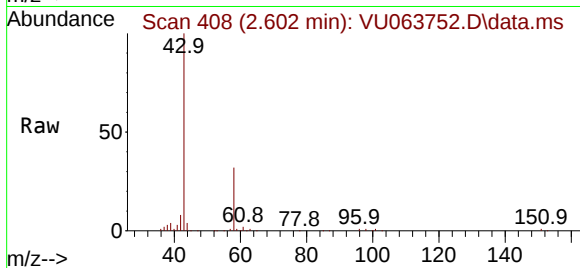
VSTD005150

Tgt Ion: 43 Resp: 125525

Ion Ratio Lower Upper

43 100

58 31.8 0.0 64.8



#14

Carbon disulfide

Concen: 4.851 ug/L

RT: 2.769 min Scan# 460

Delta R.T. 0.003 min

Lab File: VU063752.D

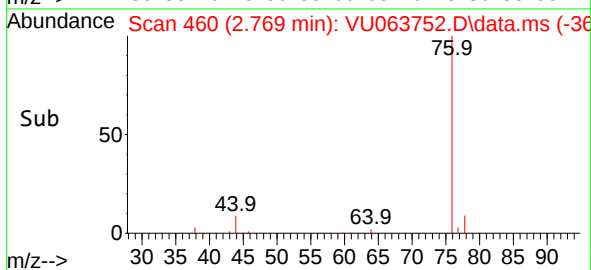
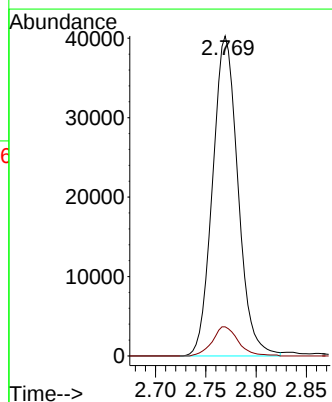
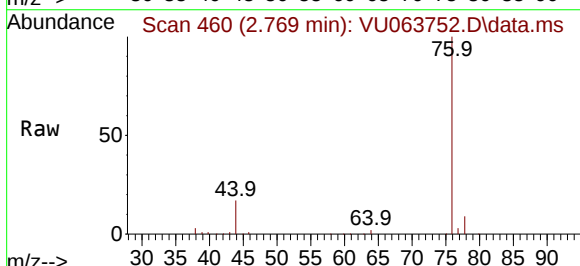
Acq: 20 Nov 2025 11:10

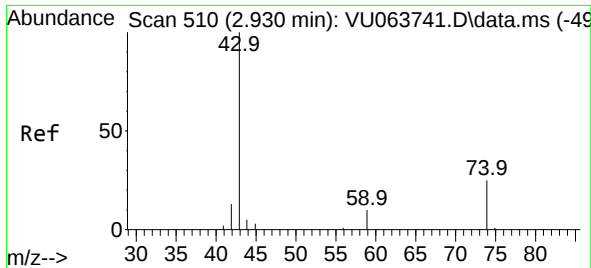
Tgt Ion: 76 Resp: 70721

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

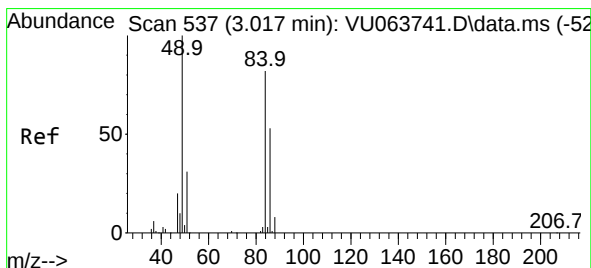
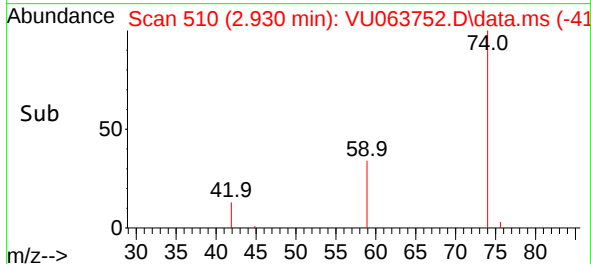
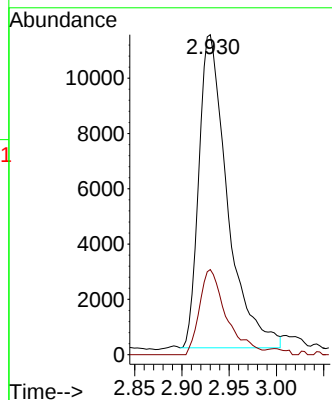
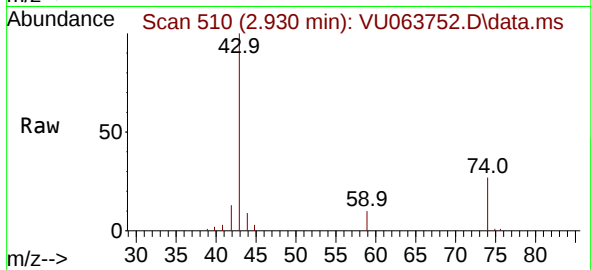




#15  
Methyl Acetate  
Concen: 4.953 ug/L  
RT: 2.930 min Scan# 510  
Delta R.T. 0.003 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

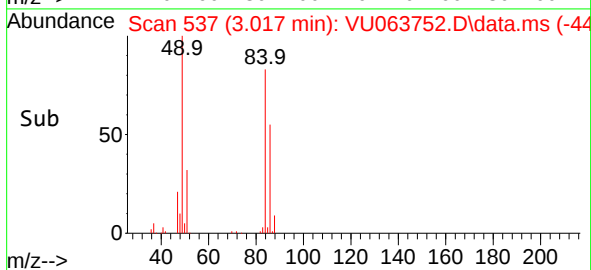
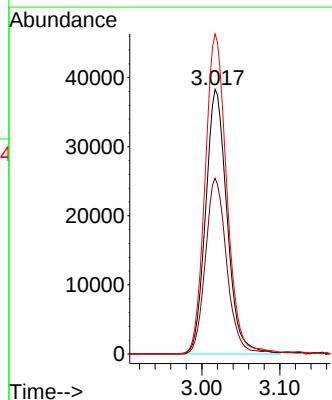
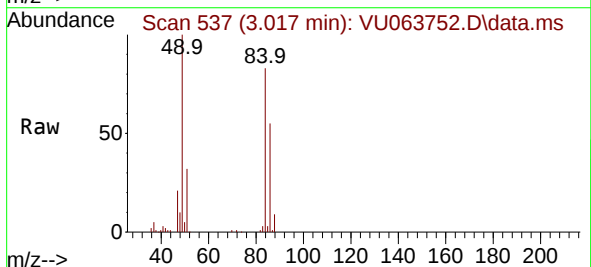
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005150

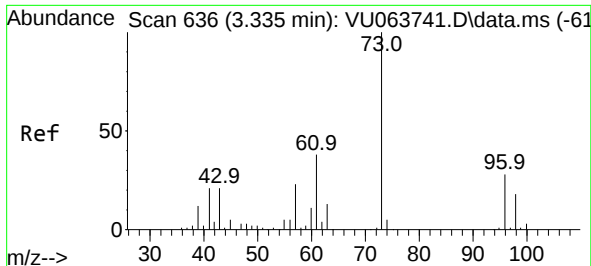
Tgt Ion: 43 Resp: 23763  
Ion Ratio Lower Upper  
43 100  
74 25.7 21.7 32.5



#16  
Methylene chloride  
Concen: 4.957 ug/L  
RT: 3.017 min Scan# 537  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

Tgt Ion: 84 Resp: 73249  
Ion Ratio Lower Upper  
84 100  
86 66.4 45.1 83.9  
49 121.0 85.2 158.2





#17

Methyl tert-butyl Ether

Concen: 5.413 ug/L

RT: 3.335 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005150

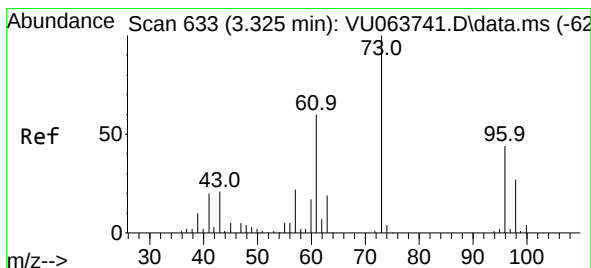
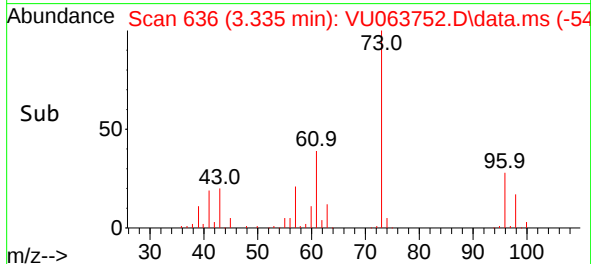
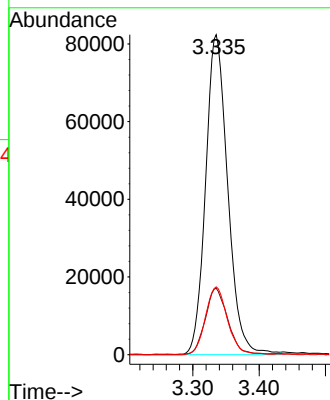
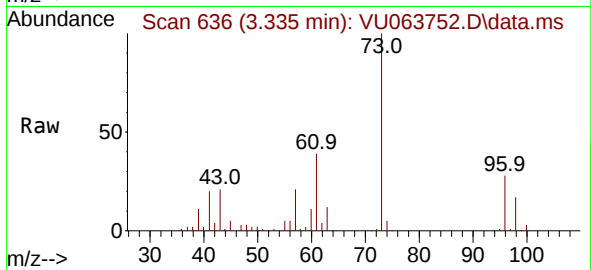
Tgt Ion: 73 Resp: 190998

Ion Ratio Lower Upper

73 100

43 20.6 17.0 25.4

57 21.1 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 5.304 ug/L

RT: 3.325 min Scan# 633

Delta R.T. 0.003 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

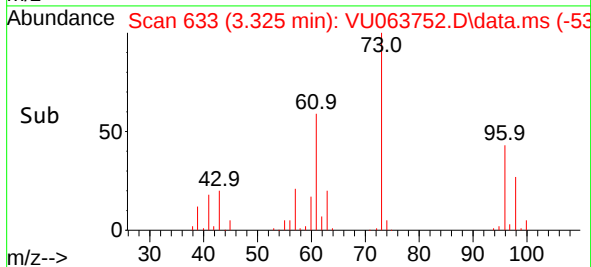
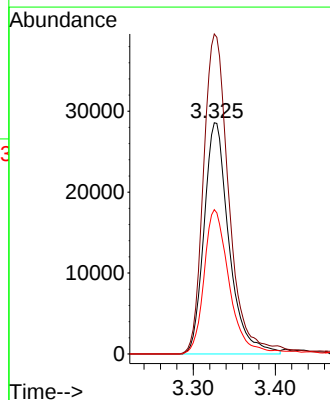
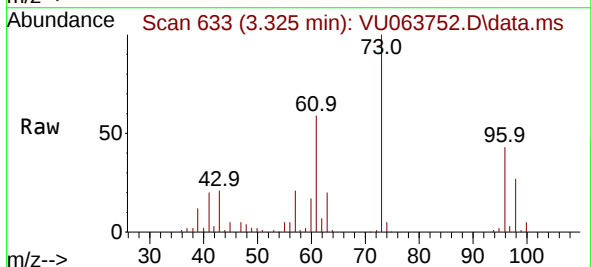
Tgt Ion: 96 Resp: 60324

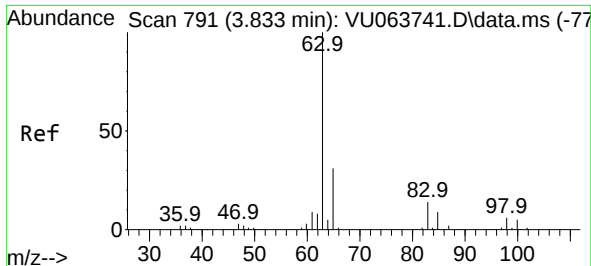
Ion Ratio Lower Upper

96 100

61 138.4 95.8 178.0

98 62.4 43.2 80.2

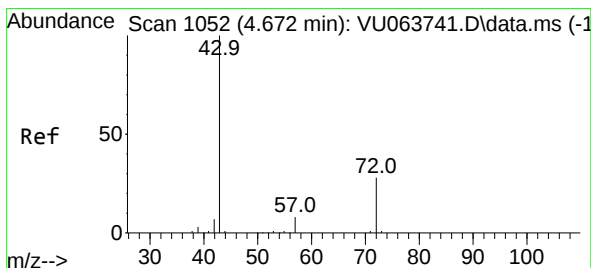
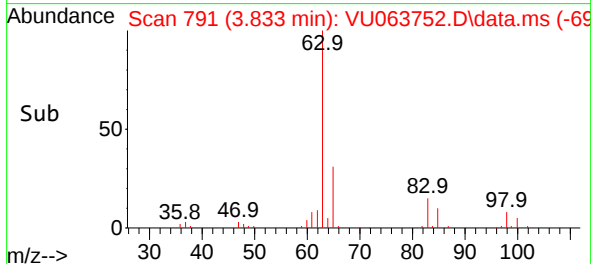
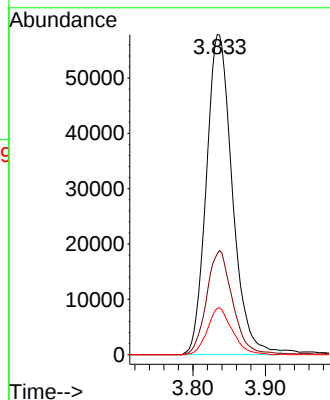
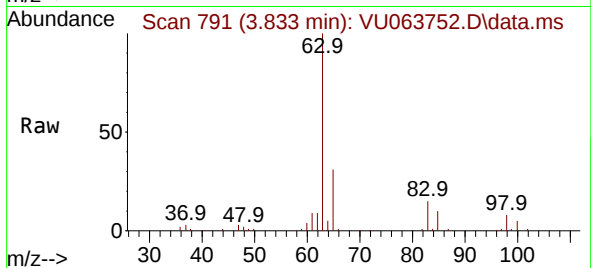




#19  
1,1-Dichloroethane  
Concen: 5.418 ug/L  
RT: 3.833 min Scan# 791  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

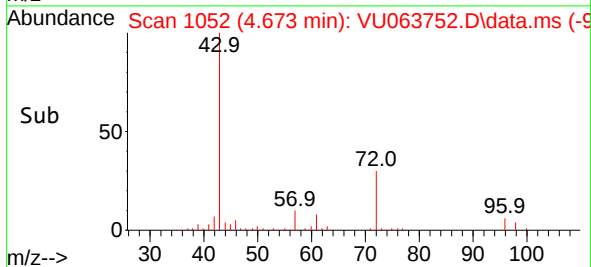
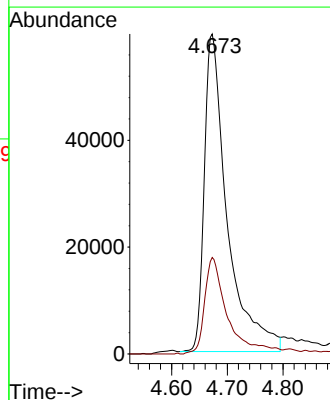
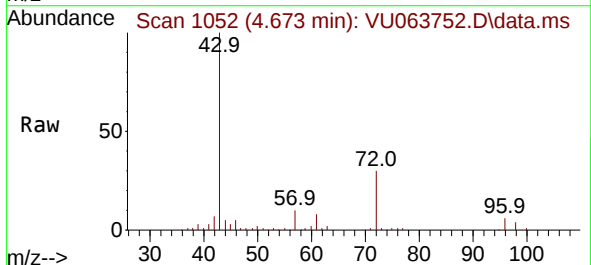
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005150

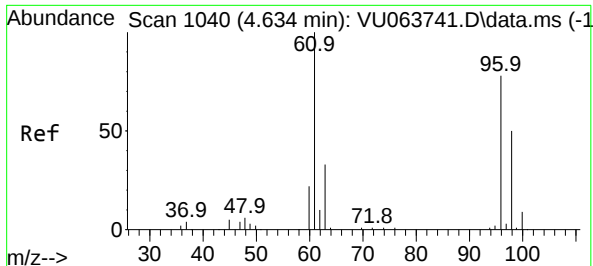
Tgt Ion: 63 Resp: 144246  
Ion Ratio Lower Upper  
63 100  
65 31.5 22.0 40.8  
83 14.5 9.9 18.3



#21  
2-Butanone  
Concen: 50.863 ug/L  
RT: 4.673 min Scan# 1052  
Delta R.T. 0.003 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

Tgt Ion: 43 Resp: 169947  
Ion Ratio Lower Upper  
43 100  
72 30.2 13.6 40.8

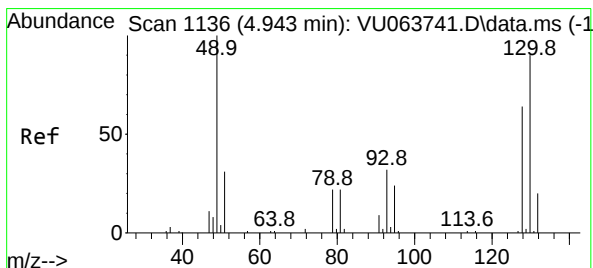
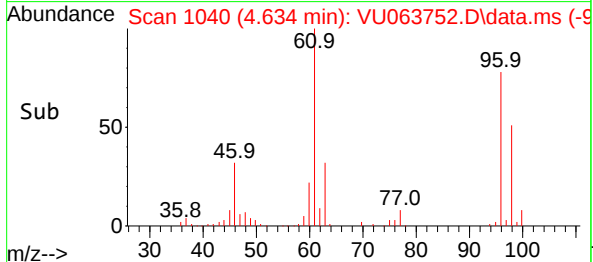
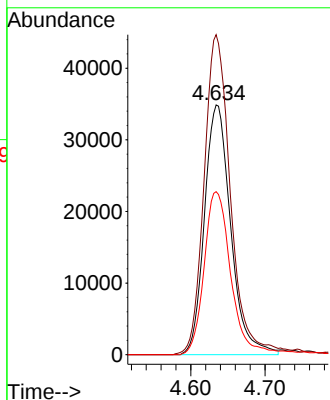
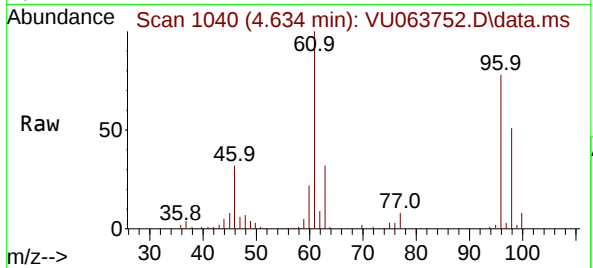




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.446 ug/L  
 RT: 4.634 min Scan# 1040  
 Delta R.T. -0.000 min  
 Lab File: VU063752.D  
 Acq: 20 Nov 2025 11:10

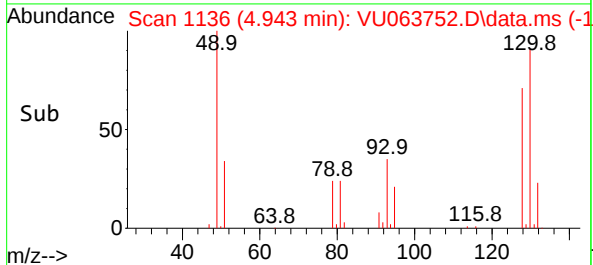
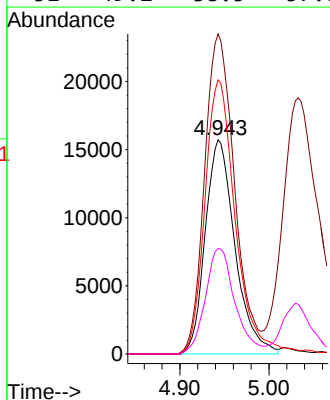
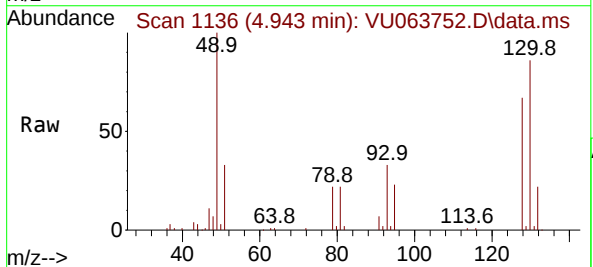
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005150

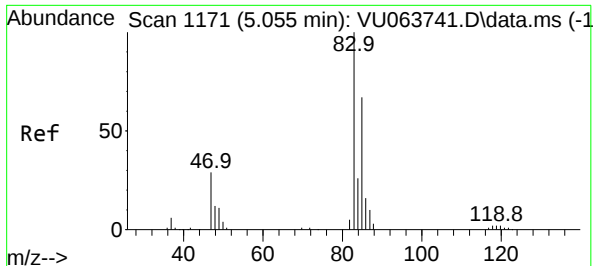
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 85880 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 128.1 | 89.5  | 166.1 |
| 98       | 65.3  | 44.6  | 82.8  |



#23  
 Bromochloromethane  
 Concen: 5.554 ug/L  
 RT: 4.943 min Scan# 1136  
 Delta R.T. -0.003 min  
 Lab File: VU063752.D  
 Acq: 20 Nov 2025 11:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 36394 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 149.3 | 110.0 | 204.4 |
| 130      | 127.9 | 98.9  | 183.7 |
| 51       | 49.2  | 38.5  | 57.7  |





#25

Chloroform

Concen: 5.541 ug/L

RT: 5.055 min Scan# 1171

Delta R.T. 0.003 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA\_U

ClientSampleId :

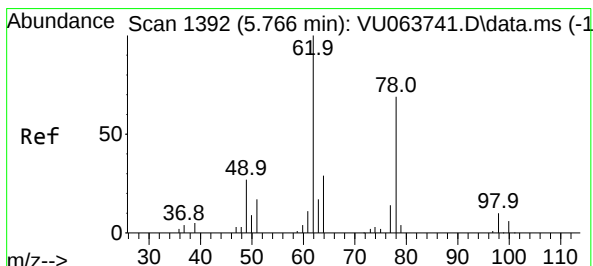
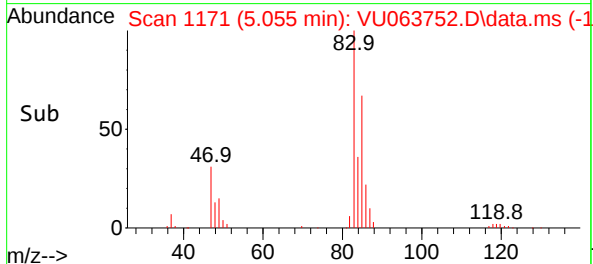
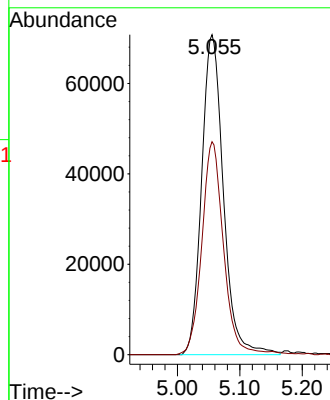
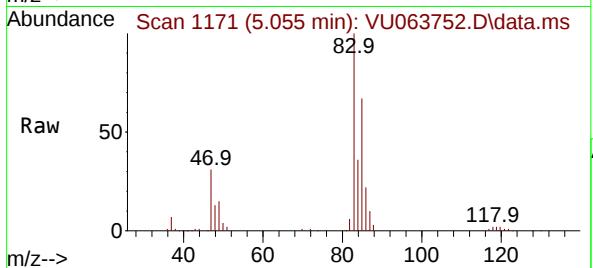
VSTD005150

Tgt Ion: 83 Resp: 171401

Ion Ratio Lower Upper

83 100

85 66.6 47.3 87.9



#27

1,2-Dichloroethane

Concen: 5.293 ug/L

RT: 5.766 min Scan# 1392

Delta R.T. 0.003 min

Lab File: VU063752.D

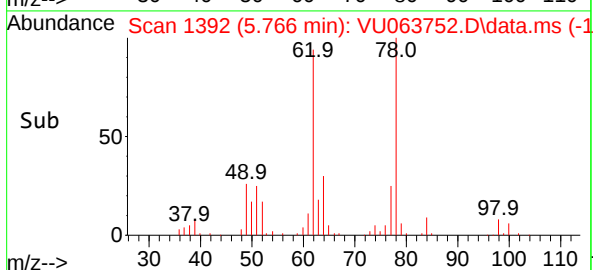
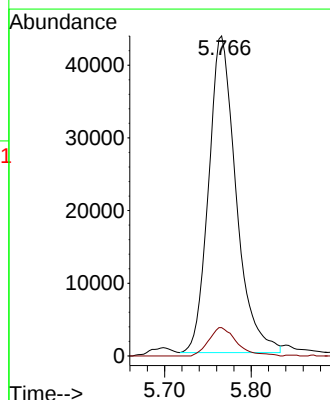
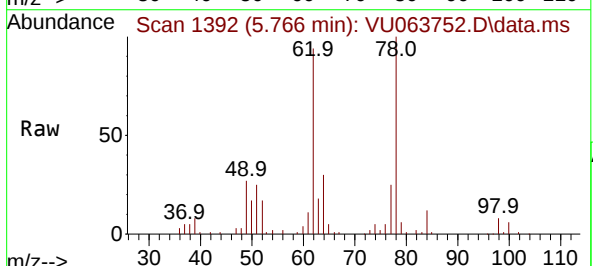
Acq: 20 Nov 2025 11:10

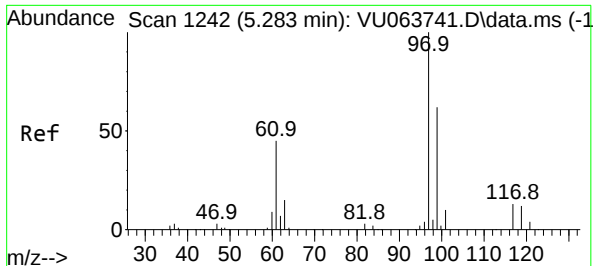
Tgt Ion: 62 Resp: 96151

Ion Ratio Lower Upper

62 100

98 8.8 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.568 ug/L

RT: 5.284 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005150

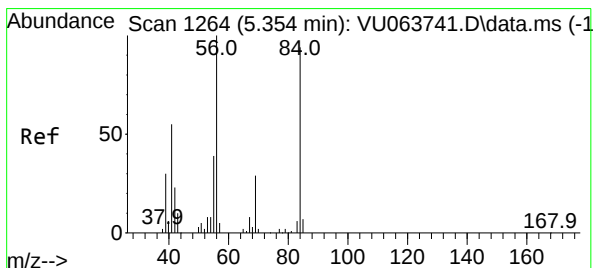
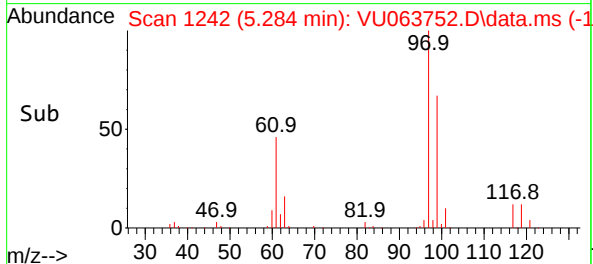
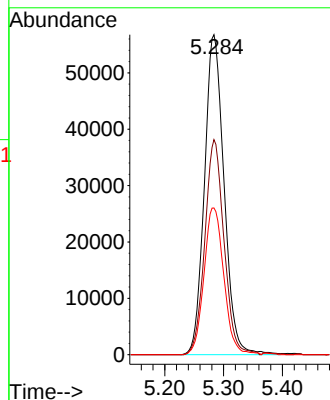
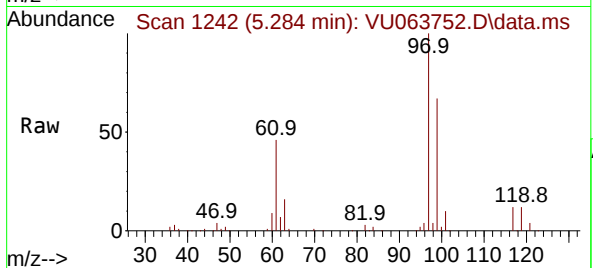
Tgt Ion: 97 Resp: 131793

Ion Ratio Lower Upper

97 100

99 65.5 51.4 77.2

61 46.3 37.4 56.2



#30

Cyclohexane

Concen: 5.477 ug/L

RT: 5.358 min Scan# 1265

Delta R.T. 0.003 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

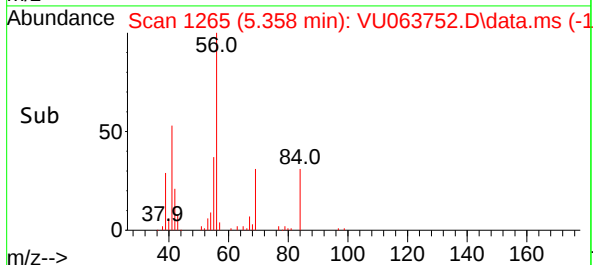
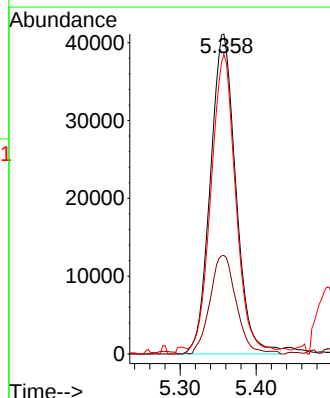
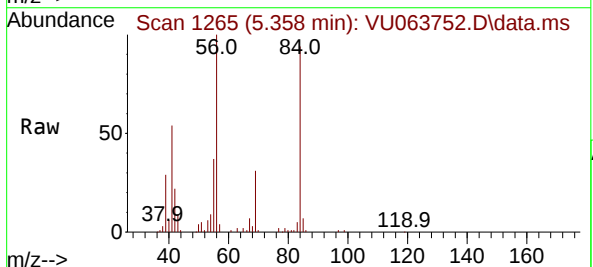
Tgt Ion: 56 Resp: 95724

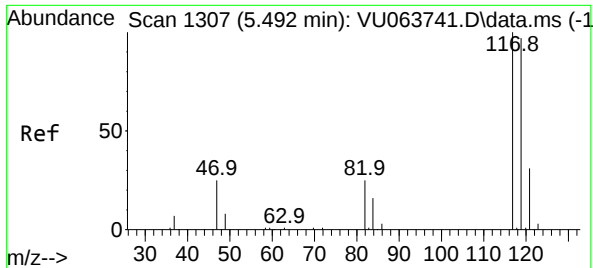
Ion Ratio Lower Upper

56 100

69 31.5 24.3 36.5

84 87.1 72.0 108.0

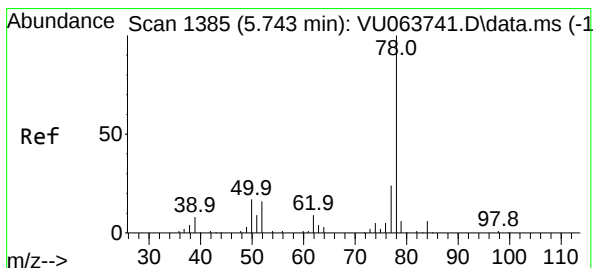
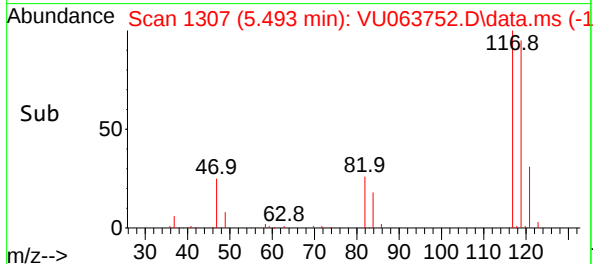
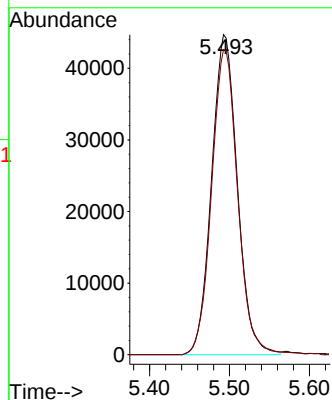
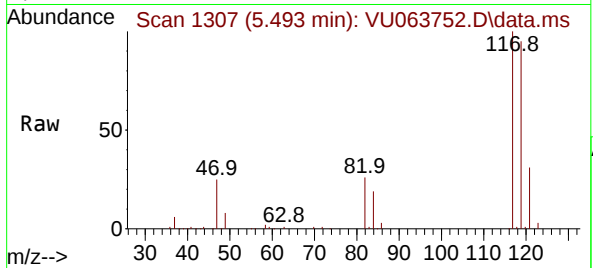




#31  
Carbon tetrachloride  
Concen: 5.576 ug/L  
RT: 5.493 min Scan# 111  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

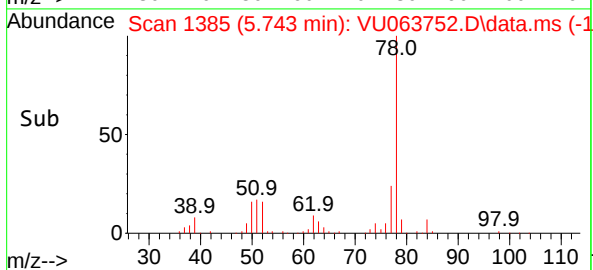
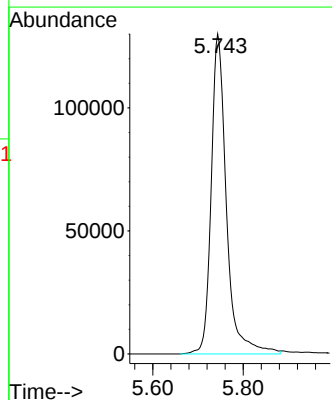
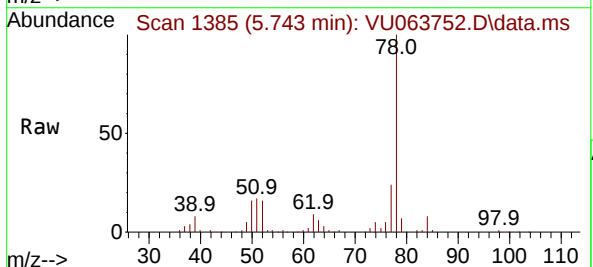
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005150

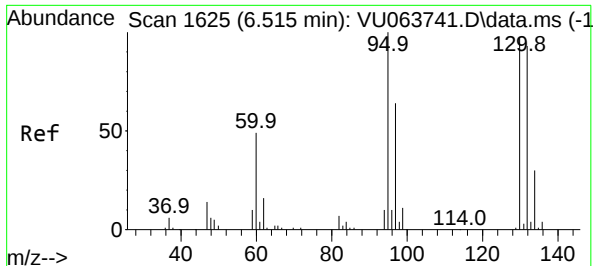
Tgt Ion:117 Resp: 99998  
Ion Ratio Lower Upper  
117 100  
119 96.5 77.0 115.4



#33  
Benzene  
Concen: 5.495 ug/L  
RT: 5.743 min Scan# 1385  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

Tgt Ion: 78 Resp: 304003





#34

Trichloroethene

Concen: 5.389 ug/L

RT: 6.515 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005150

Tgt Ion: 95 Resp: 88495

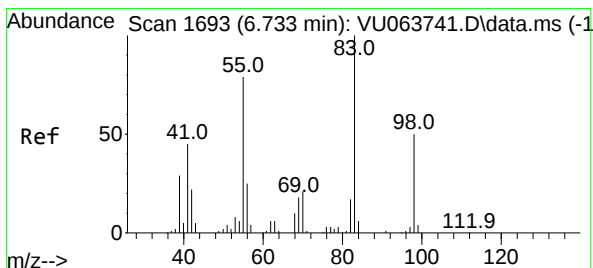
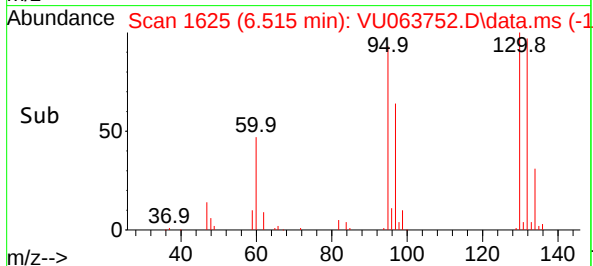
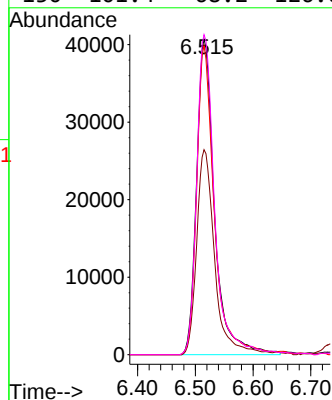
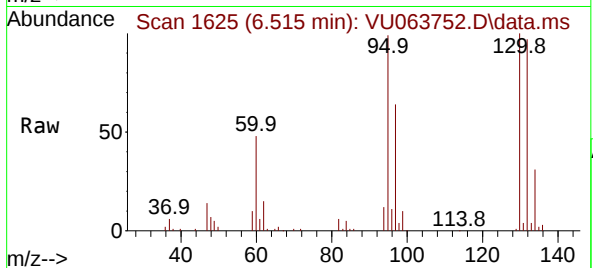
Ion Ratio Lower Upper

95 100

97 65.0 44.9 83.5

132 97.9 65.4 121.4

130 101.4 68.2 126.6



#35

Methylcyclohexane

Concen: 5.676 ug/L

RT: 6.734 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

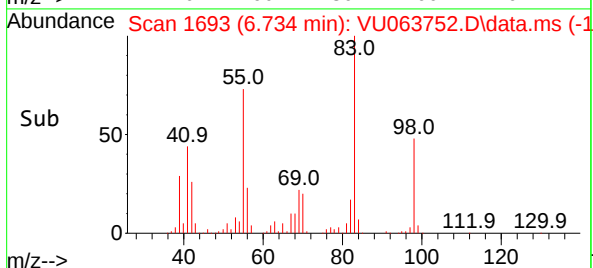
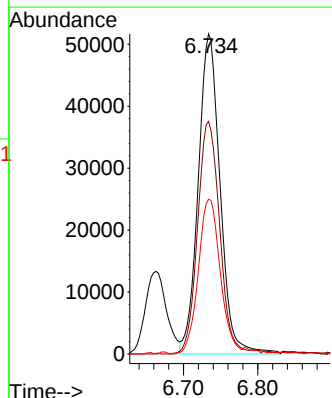
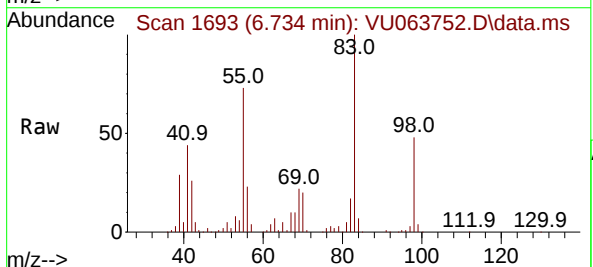
Tgt Ion: 83 Resp: 105838

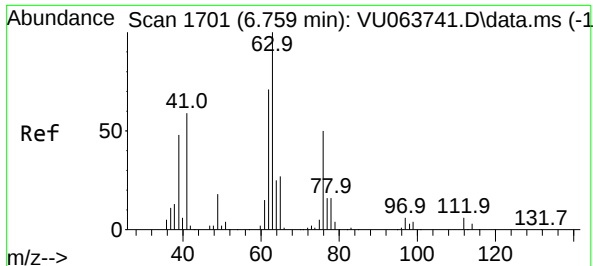
Ion Ratio Lower Upper

83 100

55 72.9 62.5 93.7

98 48.4 40.3 60.5

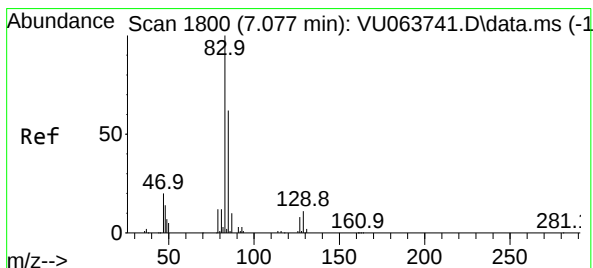
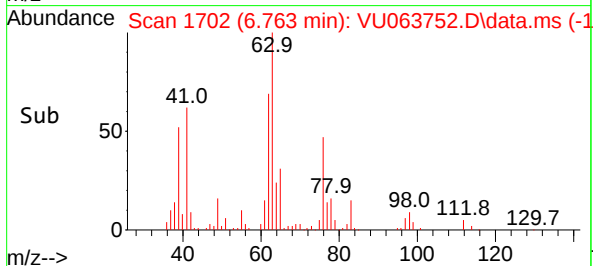
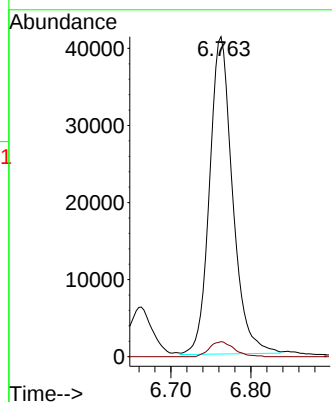
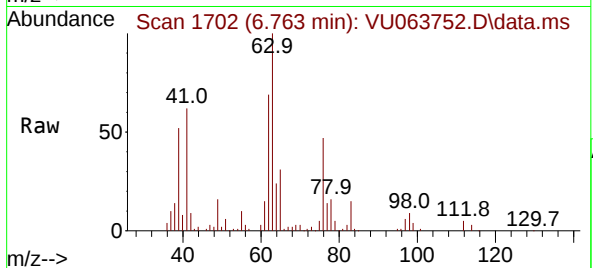




#37  
1,2-Dichloropropane  
Concen: 5.316 ug/L  
RT: 6.763 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

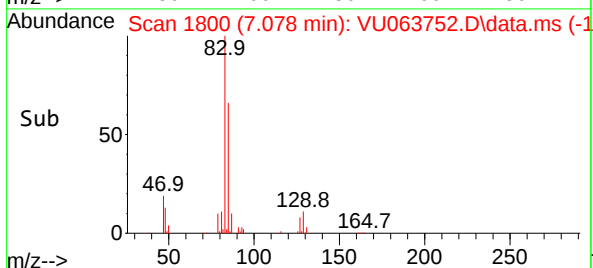
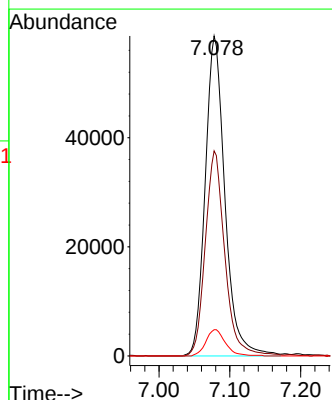
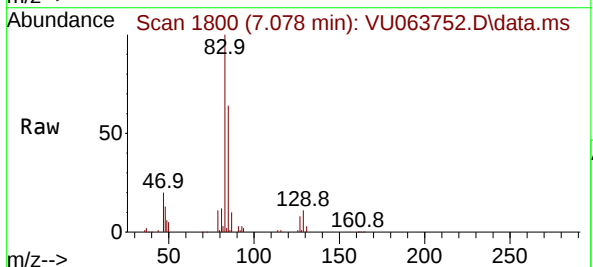
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005150

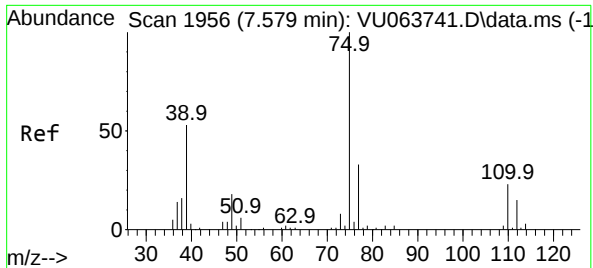
Tgt Ion: 63 Resp: 82574  
Ion Ratio Lower Upper  
63 100  
112 5.1 3.8 5.8



#38  
Bromodichloromethane  
Concen: 5.544 ug/L  
RT: 7.078 min Scan# 1800  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

Tgt Ion: 83 Resp: 113432  
Ion Ratio Lower Upper  
83 100  
85 64.1 43.7 81.1  
127 8.2 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 5.491 ug/L

RT: 7.583 min Scan# 1956

Delta R.T. 0.003 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA\_U

ClientSampleId :

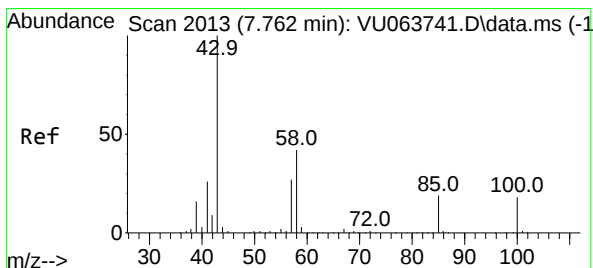
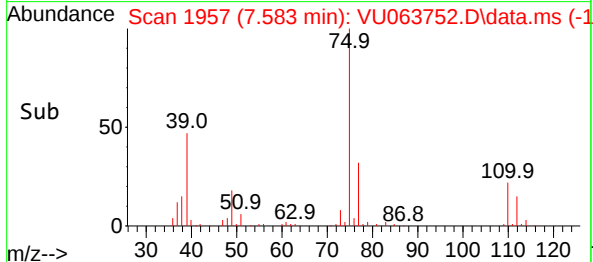
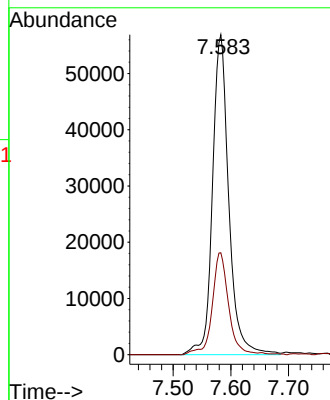
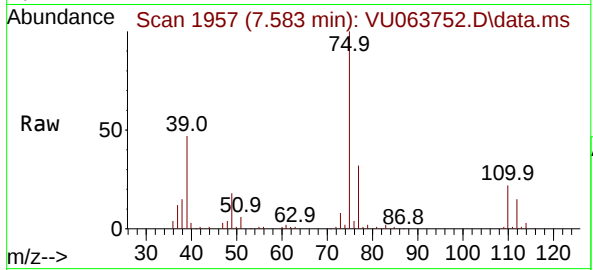
VSTD005150

Tgt Ion: 75 Resp: 111289

Ion Ratio Lower Upper

75 100

77 31.8 23.4 43.4



#40

4-Methyl-2-pentanone

Concen: 52.361 ug/L

RT: 7.763 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

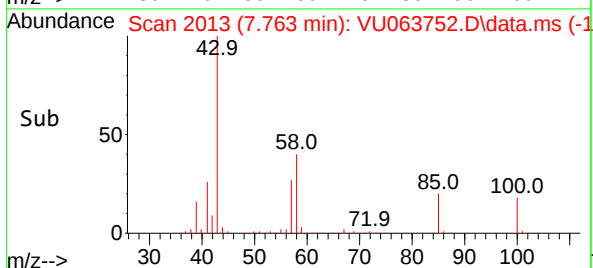
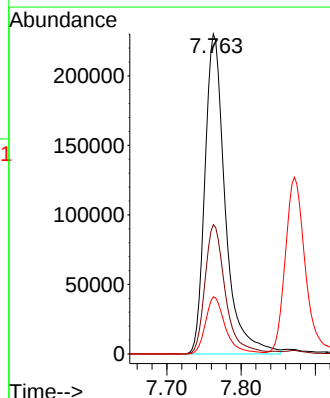
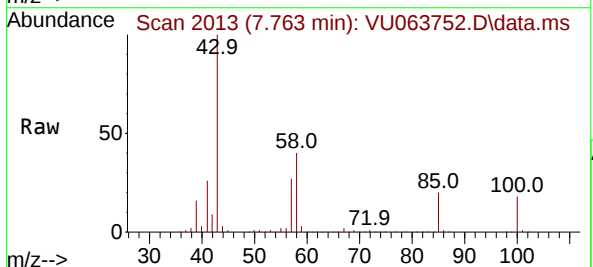
Tgt Ion: 43 Resp: 437667

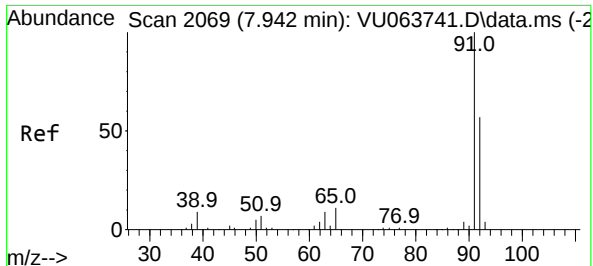
Ion Ratio Lower Upper

43 100

58 40.7 32.6 49.0

100 17.6 13.9 20.9

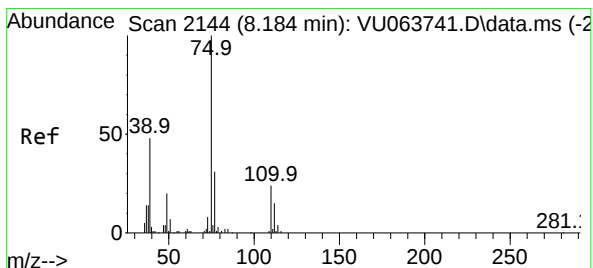
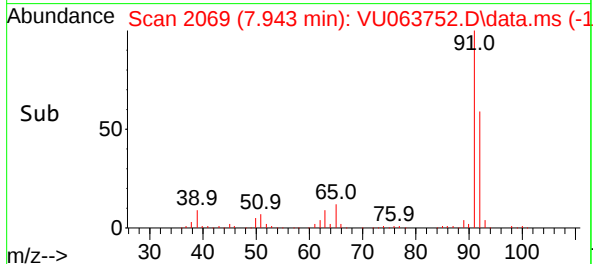
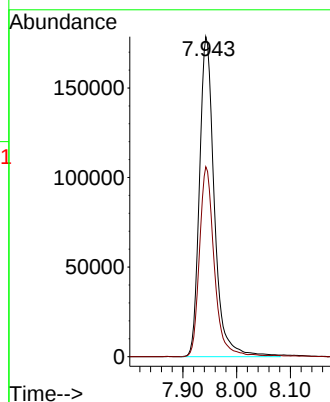
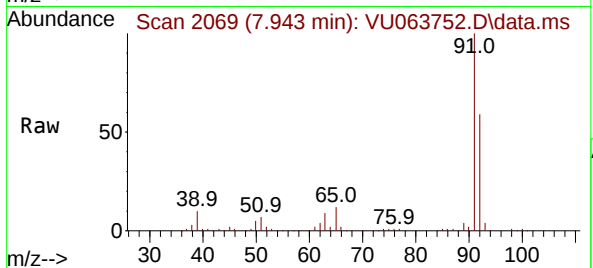




#42  
Toluene  
Concen: 5.552 ug/L  
RT: 7.943 min Scan# 2069  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

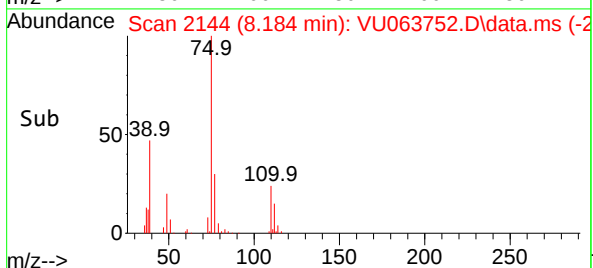
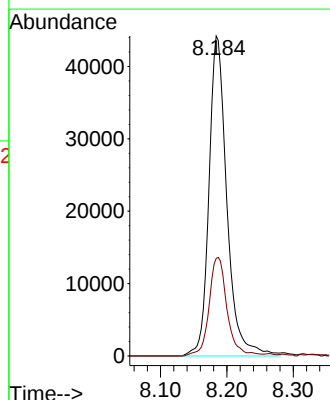
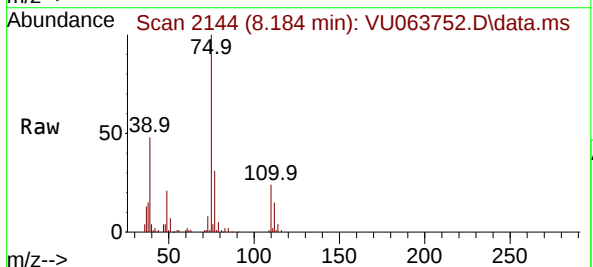
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005150

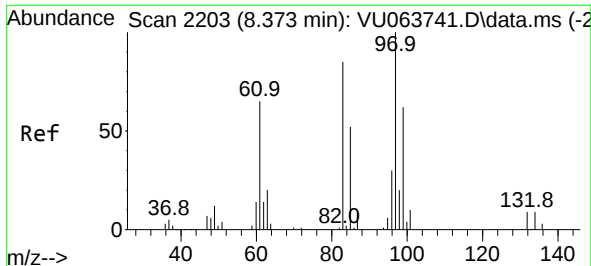
Tgt Ion: 91 Resp: 343970  
Ion Ratio Lower Upper  
91 100  
92 59.3 40.0 74.2



#44  
trans-1,3-Dichloropropene  
Concen: 5.400 ug/L  
RT: 8.184 min Scan# 2144  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

Tgt Ion: 75 Resp: 83052  
Ion Ratio Lower Upper  
75 100  
77 30.5 21.7 40.3

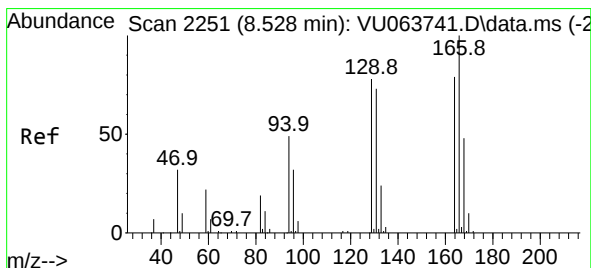
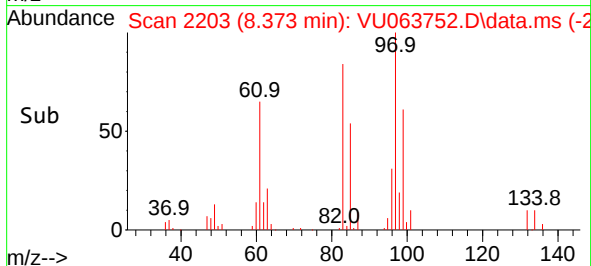
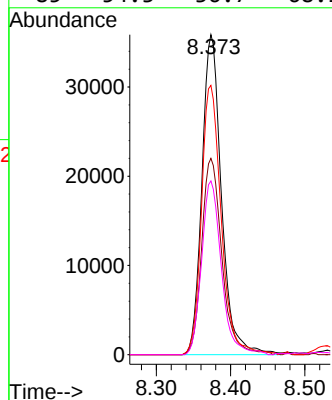
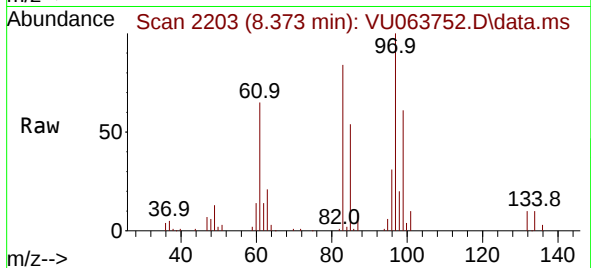




#45  
1,1,2-Trichloroethane  
Concen: 5.410 ug/L  
RT: 8.373 min Scan# 2203  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

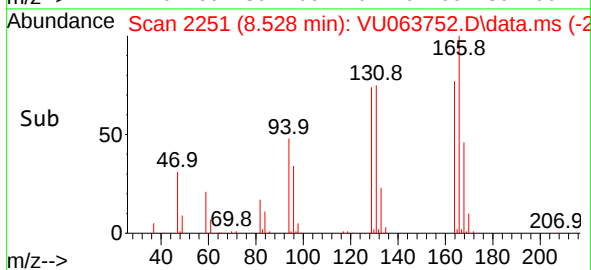
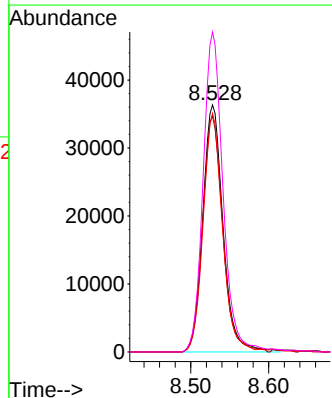
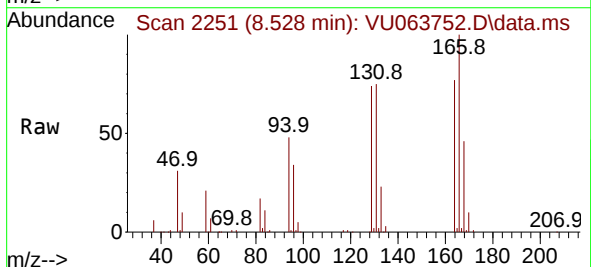
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005150

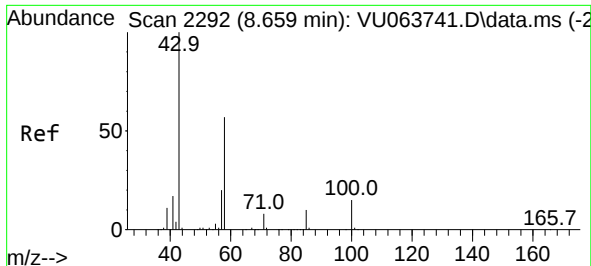
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 65697 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 61.4  | 43.4  | 80.6  |
| 83       | 84.1  | 59.4  | 110.2 |
| 85       | 54.3  | 36.7  | 68.1  |



#47  
Tetrachloroethene  
Concen: 5.421 ug/L  
RT: 8.528 min Scan# 2251  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 65518 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 95.4  | 69.5  | 129.1 |
| 131      | 96.6  | 65.2  | 121.2 |
| 166      | 129.5 | 89.0  | 165.2 |

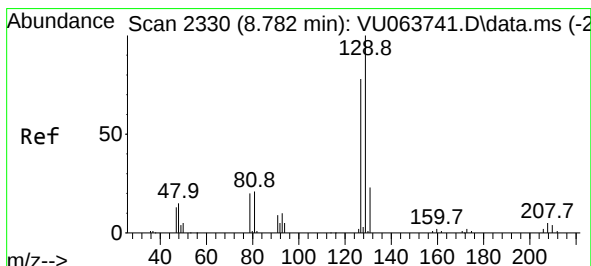
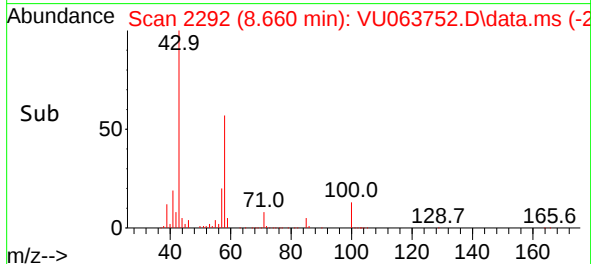
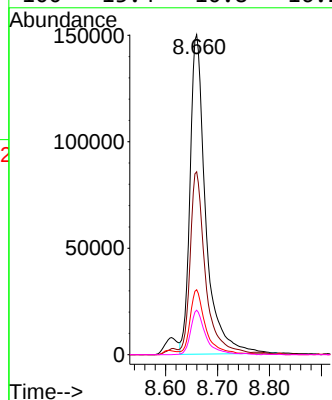
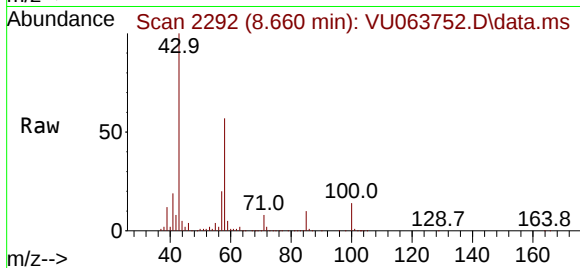




#48  
2-Hexanone  
Concen: 51.978 ug/L  
RT: 8.660 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

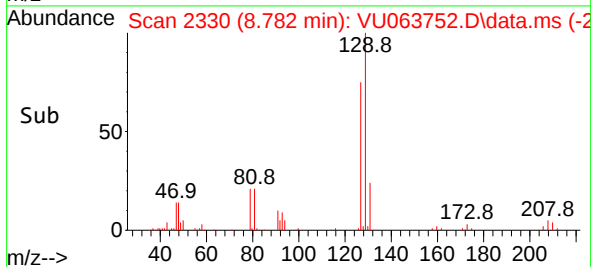
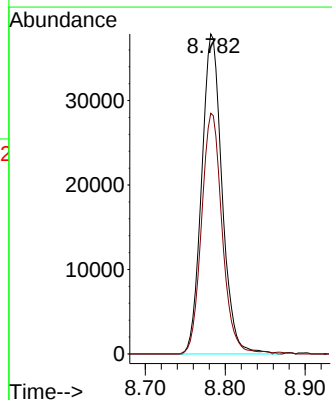
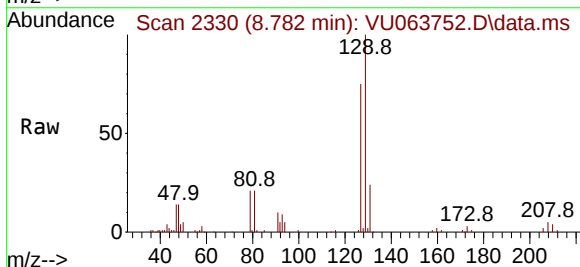
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005150

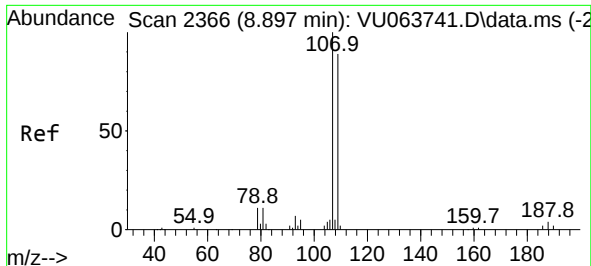
Tgt Ion: 43 Resp: 314818  
Ion Ratio Lower Upper  
43 100  
58 54.5 43.3 64.9  
57 19.5 16.2 24.2  
100 13.4 10.8 16.2



#49  
Dibromochloromethane  
Concen: 5.440 ug/L  
RT: 8.782 min Scan# 2330  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

Tgt Ion: 129 Resp: 67322  
Ion Ratio Lower Upper  
129 100  
127 75.2 54.9 102.1

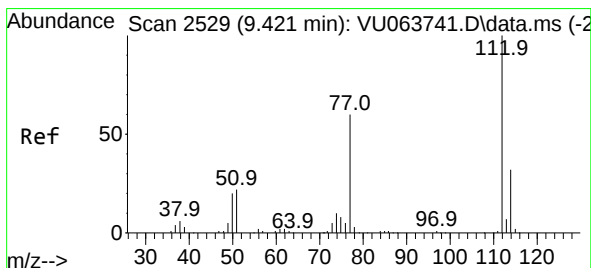
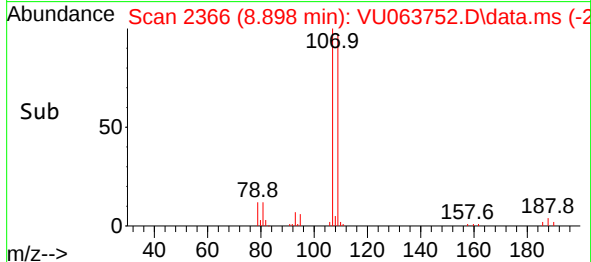
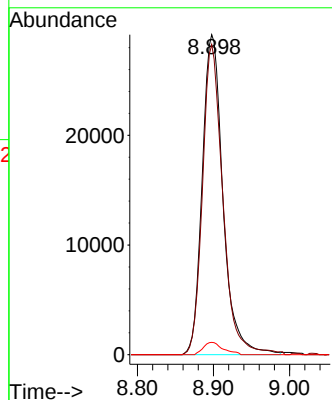
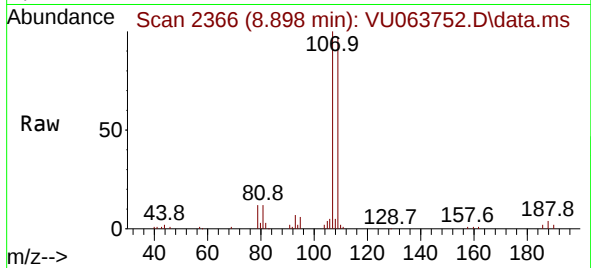




#50  
1,2-Dibromoethane  
Concen: 5.257 ug/L  
RT: 8.898 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

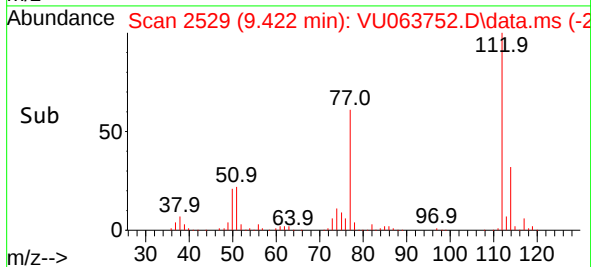
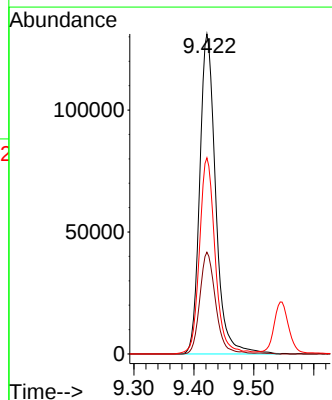
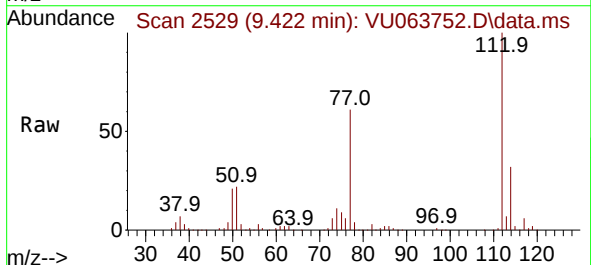
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MSVOA\_U  
ClientSampleId :  
VSTD005150

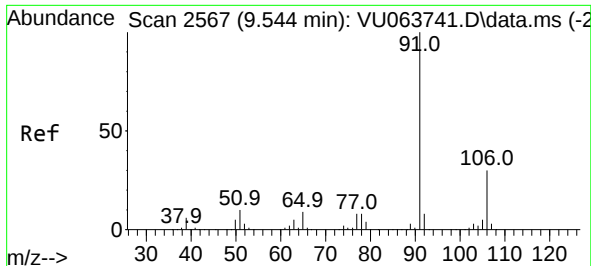
Tgt Ion:107 Resp: 55265  
Ion Ratio Lower Upper  
107 100  
109 96.9 62.6 116.3  
188 3.8 2.8 4.2



#51  
Chlorobenzene  
Concen: 5.343 ug/L  
RT: 9.422 min Scan# 2529  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

Tgt Ion:112 Resp: 243291  
Ion Ratio Lower Upper  
112 100  
114 31.8 22.4 41.6  
77 61.3 48.3 72.5

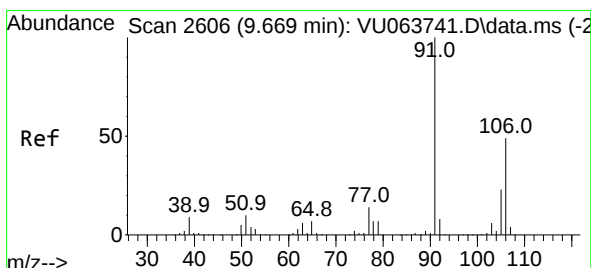
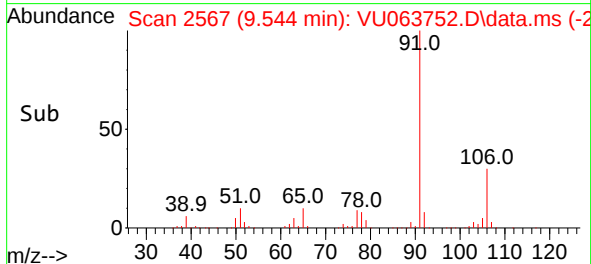
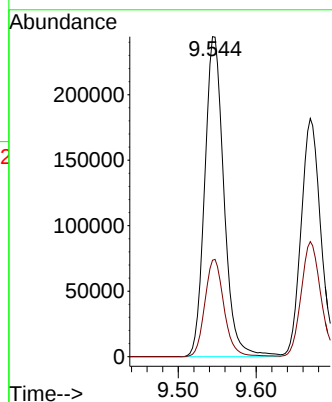
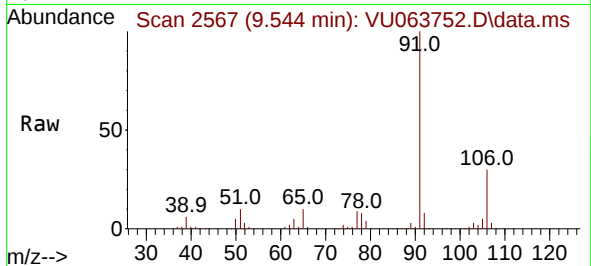




#52  
Ethylbenzene  
Concen: 5.457 ug/L  
RT: 9.544 min Scan# 2567  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

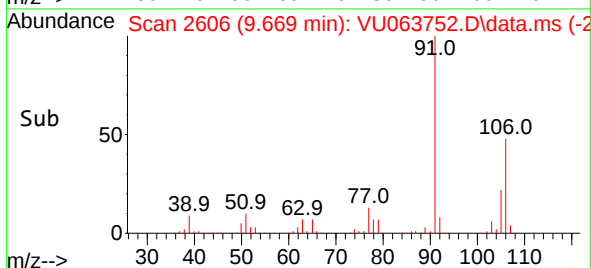
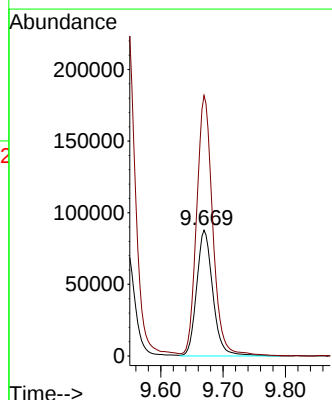
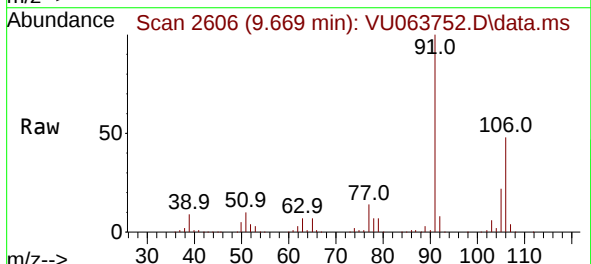
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MSVOA\_U  
ClientSampleId :  
VSTD005150

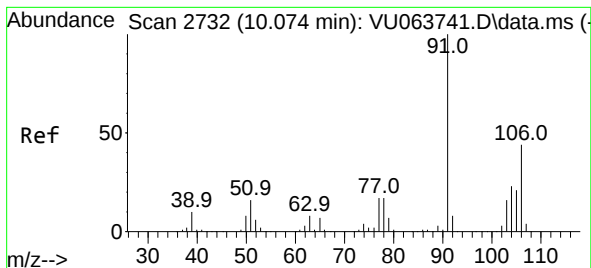
Tgt Ion: 91 Resp: 419267  
Ion Ratio Lower Upper  
91 100  
106 30.2 21.1 39.3



#53  
m,p-Xylene  
Concen: 5.457 ug/L  
RT: 9.669 min Scan# 2606  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

Tgt Ion:106 Resp: 158317  
Ion Ratio Lower Upper  
106 100  
91 207.0 144.5 268.3





#54

o-Xylene

Concen: 5.495 ug/L

RT: 10.074 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA\_U

ClientSampleId :

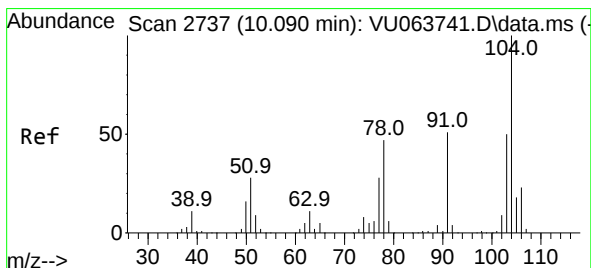
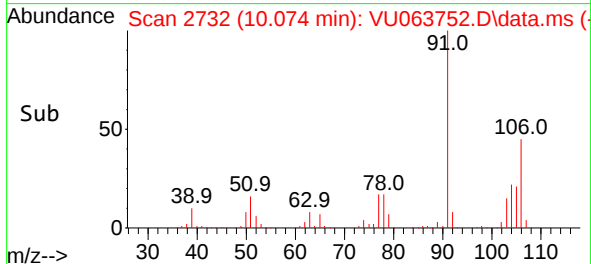
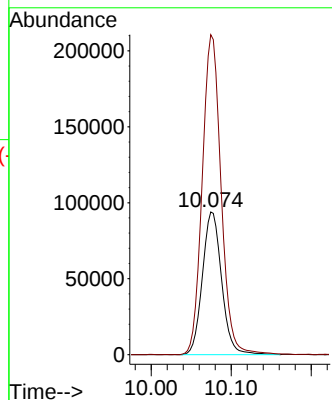
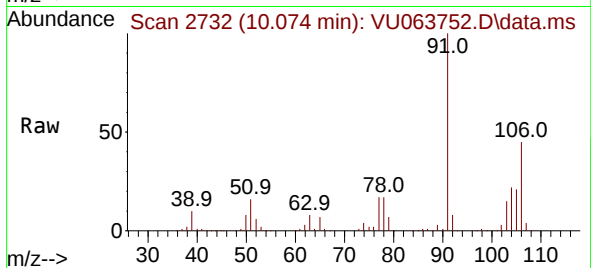
VSTD005150

Tgt Ion:106 Resp: 157487

Ion Ratio Lower Upper

106 100

91 224.2 157.4 292.4



#55

Styrene

Concen: 5.493 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. -0.000 min

Lab File: VU063752.D

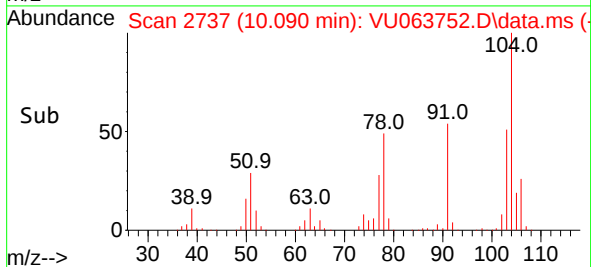
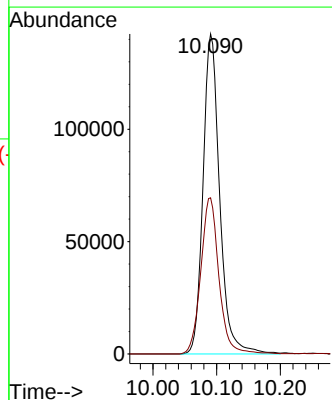
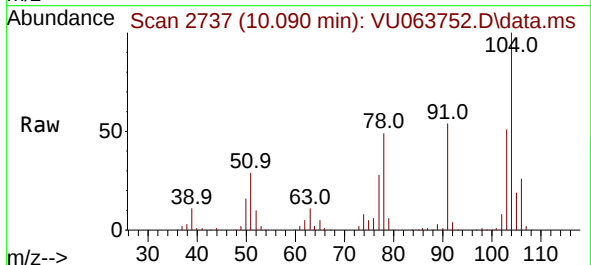
Acq: 20 Nov 2025 11:10

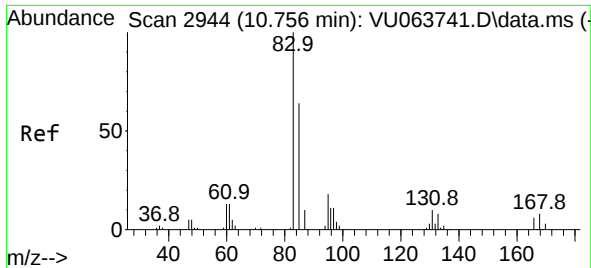
Tgt Ion:104 Resp: 258839

Ion Ratio Lower Upper

104 100

78 48.8 32.7 60.7

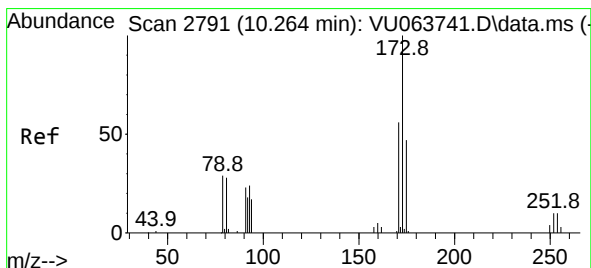
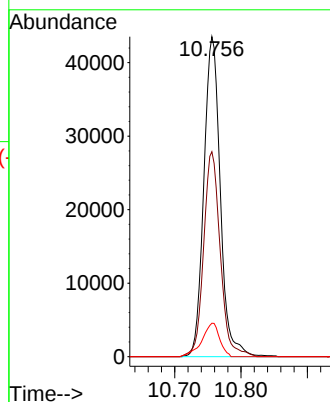
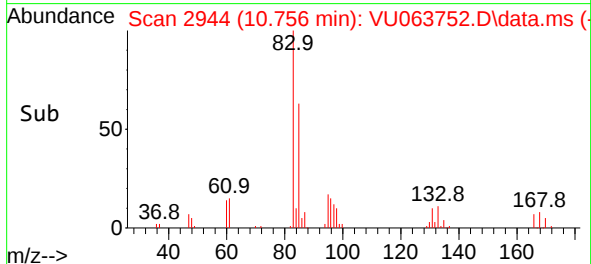
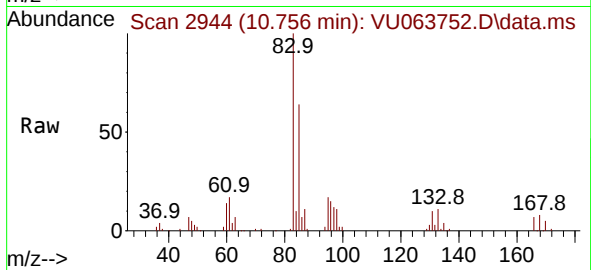




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.173 ug/L  
RT: 10.756 min Scan# 2944  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

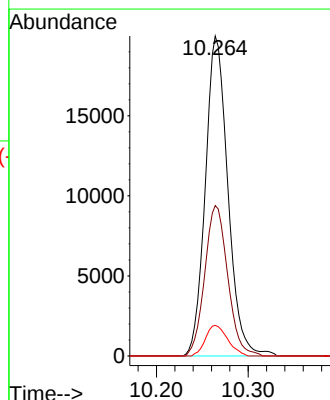
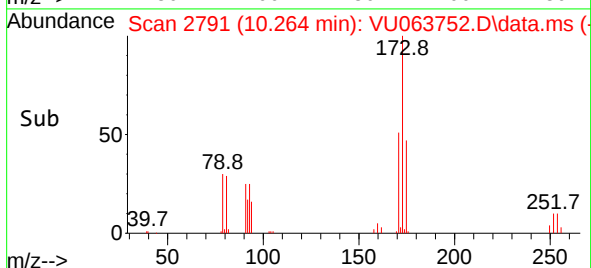
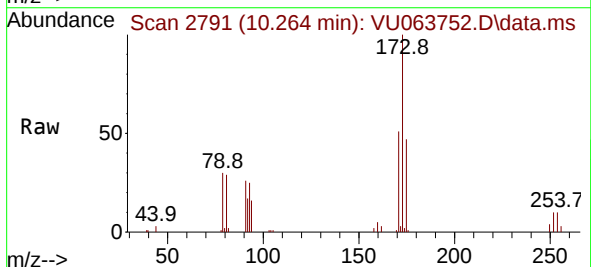
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005150

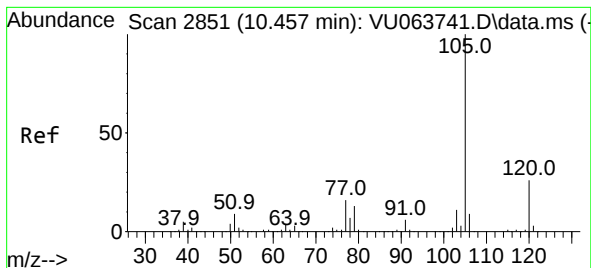
Tgt Ion: 83 Resp: 75134  
Ion Ratio Lower Upper  
83 100  
85 64.1 45.2 84.0  
131 10.5 8.4 12.6



#59  
Bromoform  
Concen: 5.205 ug/L  
RT: 10.264 min Scan# 2791  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

Tgt Ion:173 Resp: 34156  
Ion Ratio Lower Upper  
173 100  
175 47.8 37.8 56.8  
254 9.4 7.8 11.8





#60

Isopropylbenzene

Concen: 5.500 ug/L

RT: 10.460 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005150

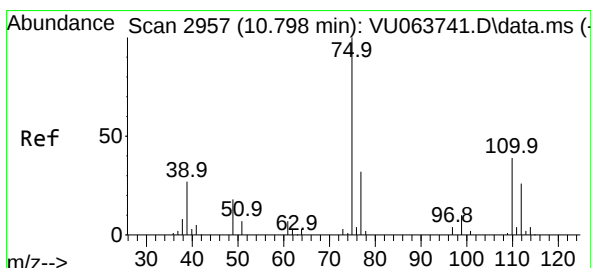
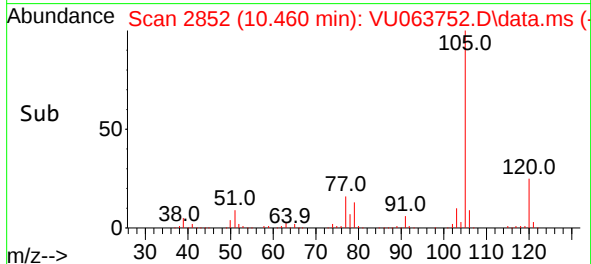
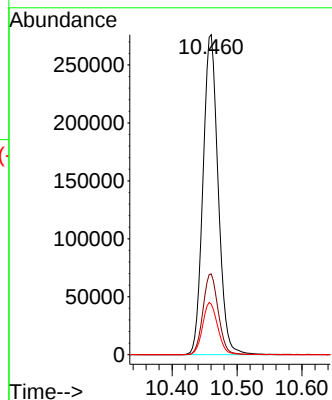
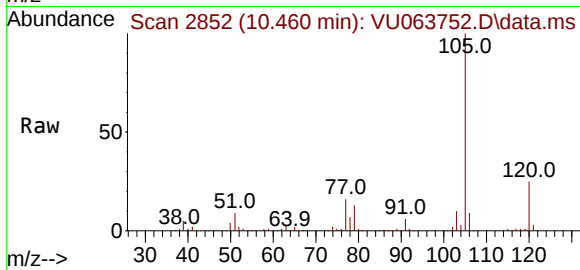
Tgt Ion:105 Resp: 448709

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

77 16.3 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.316 ug/L

RT: 10.798 min Scan# 2957

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

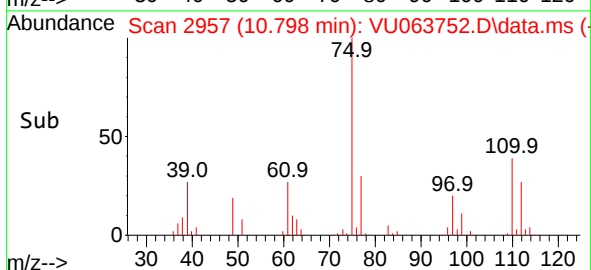
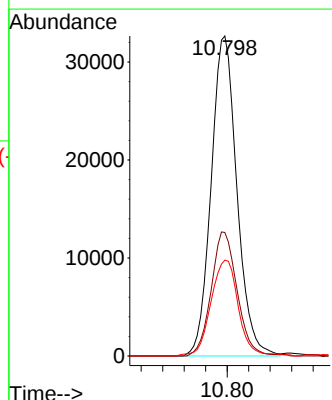
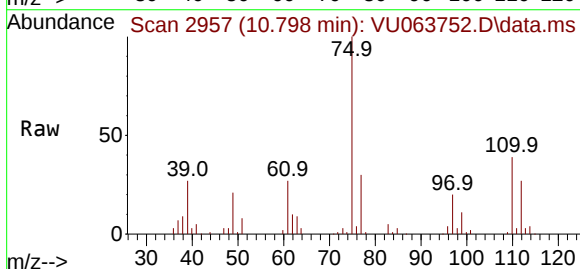
Tgt Ion: 75 Resp: 54334

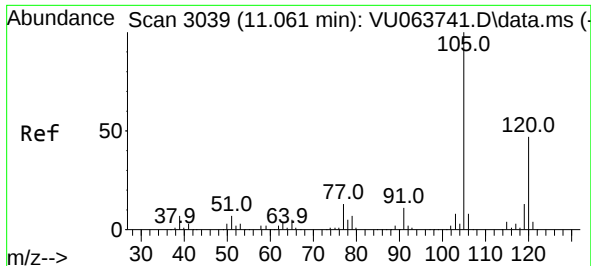
Ion Ratio Lower Upper

75 100

110 39.0 31.2 46.8

77 31.8 26.6 40.0





#62

1,3,5-Trimethylbenzene

Concen: 5.369 ug/L

RT: 11.061 min Scan# 3039

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA\_U

ClientSampleId :

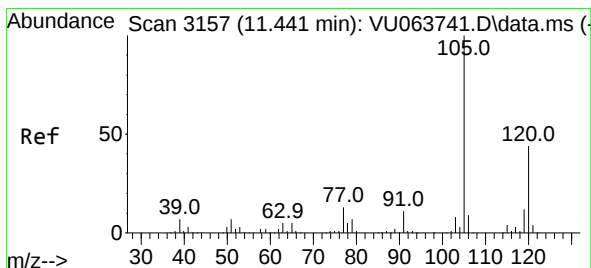
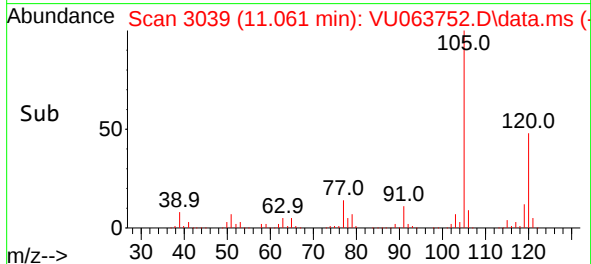
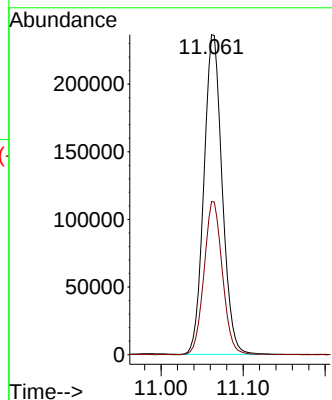
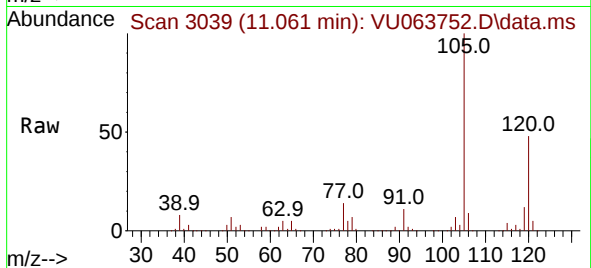
VSTD005150

Tgt Ion:105 Resp: 365392

Ion Ratio Lower Upper

105 100

120 48.2 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 5.445 ug/L

RT: 11.444 min Scan# 3158

Delta R.T. -0.000 min

Lab File: VU063752.D

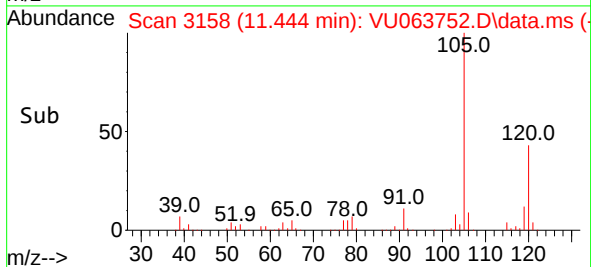
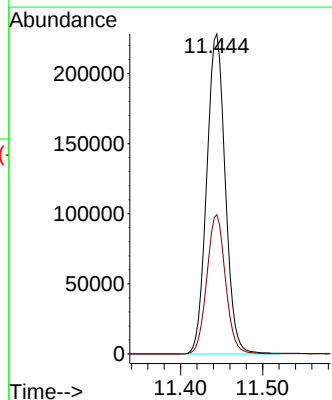
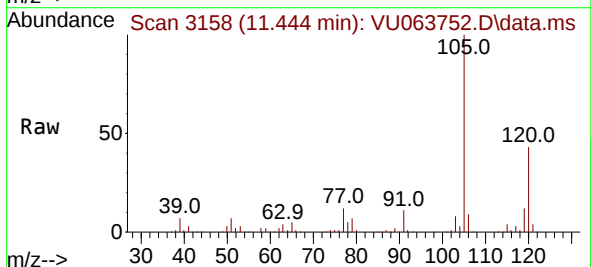
Acq: 20 Nov 2025 11:10

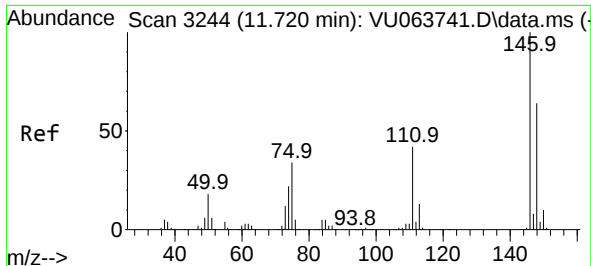
Tgt Ion:105 Resp: 359769

Ion Ratio Lower Upper

105 100

120 43.7 35.1 52.7

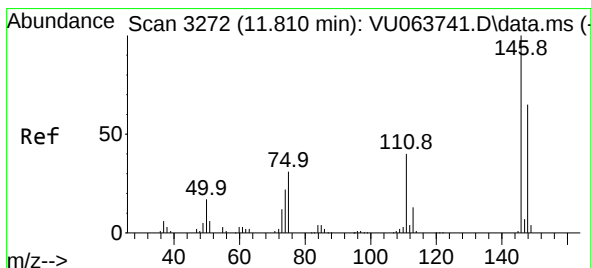
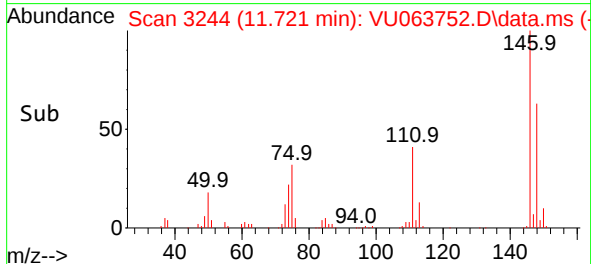
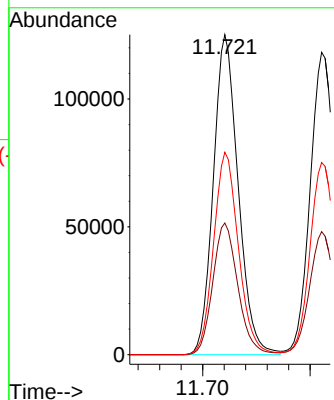
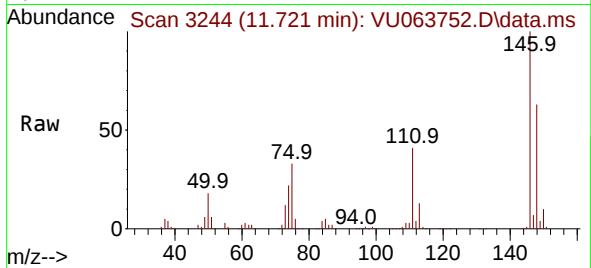




#64  
 1,3-Dichlorobenzene  
 Concen: 5.197 ug/L  
 RT: 11.721 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU063752.D  
 Acq: 20 Nov 2025 11:10

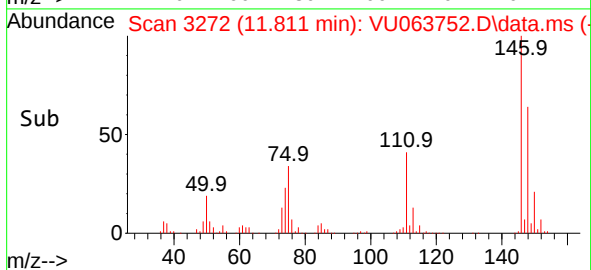
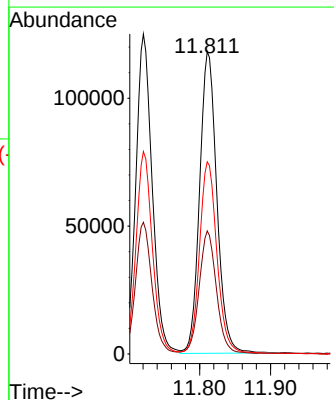
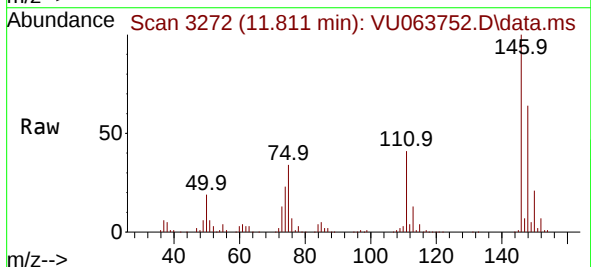
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005150

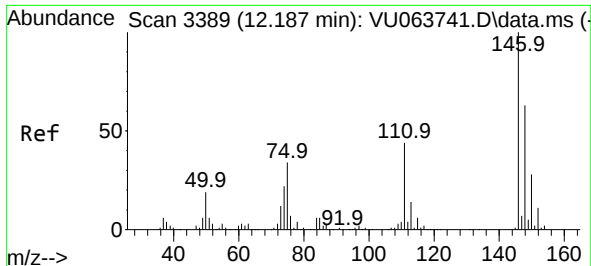
Tgt Ion:146 Resp: 200644  
 Ion Ratio Lower Upper  
 146 100  
 111 41.1 29.5 54.9  
 148 63.3 44.7 83.1



#65  
 1,4-Dichlorobenzene  
 Concen: 5.094 ug/L  
 RT: 11.811 min Scan# 3272  
 Delta R.T. -0.000 min  
 Lab File: VU063752.D  
 Acq: 20 Nov 2025 11:10

Tgt Ion:146 Resp: 199323  
 Ion Ratio Lower Upper  
 146 100  
 111 40.7 27.9 51.7  
 148 63.6 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 5.293 ug/L

RT: 12.187 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005150

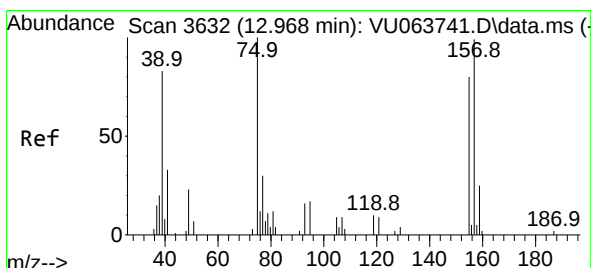
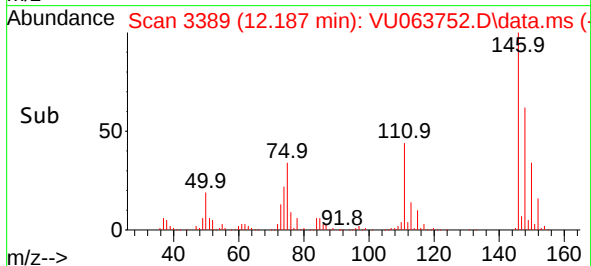
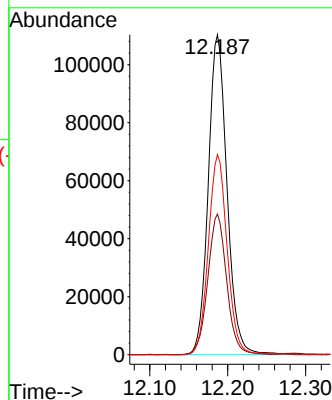
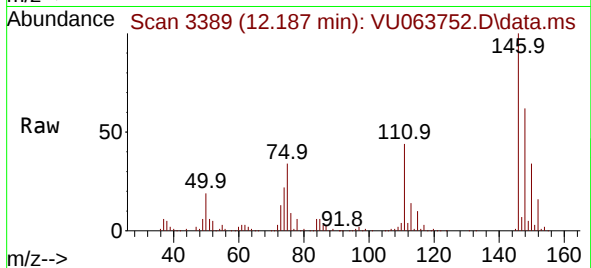
Tgt Ion:146 Resp: 184416

Ion Ratio Lower Upper

146 100

111 43.9 35.0 52.4

148 62.5 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.549 ug/L

RT: 12.971 min Scan# 3633

Delta R.T. 0.003 min

Lab File: VU063752.D

Acq: 20 Nov 2025 11:10

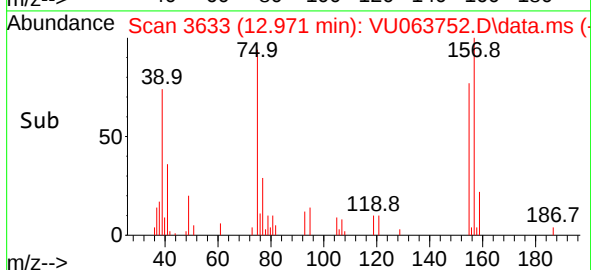
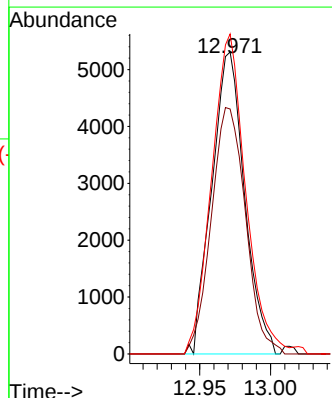
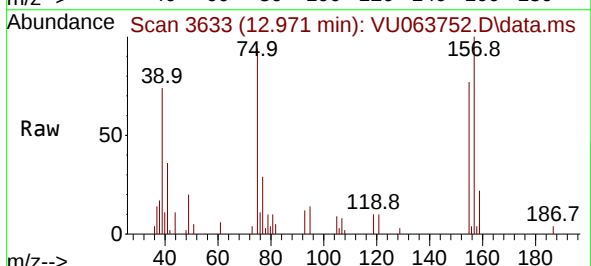
Tgt Ion: 75 Resp: 8552

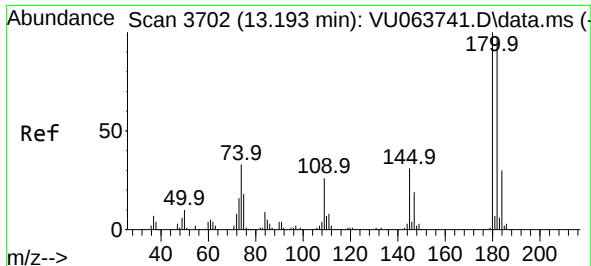
Ion Ratio Lower Upper

75 100

155 81.1 64.1 96.1

157 106.0 79.0 118.4

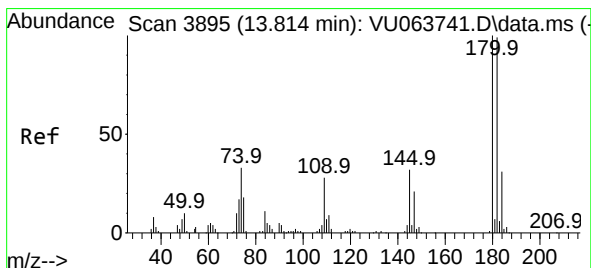
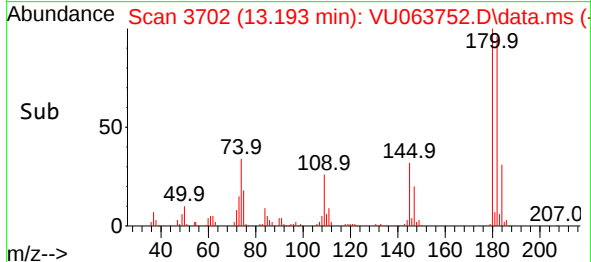
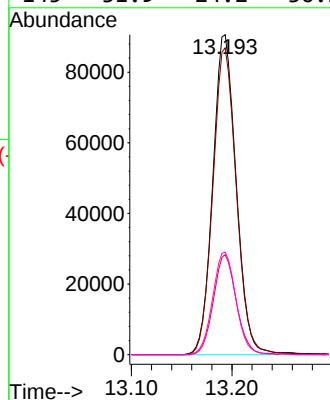
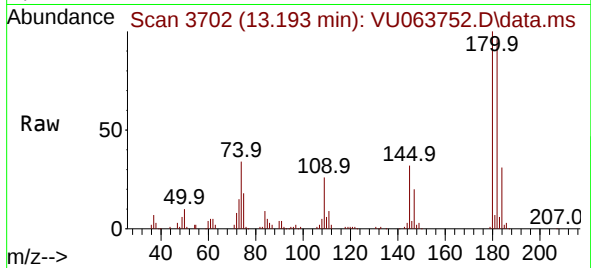




#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.178 ug/L  
 RT: 13.193 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VU063752.D  
 Acq: 20 Nov 2025 11:10

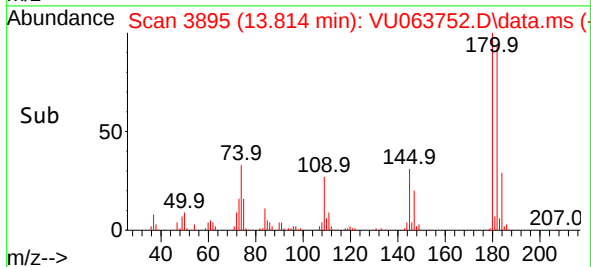
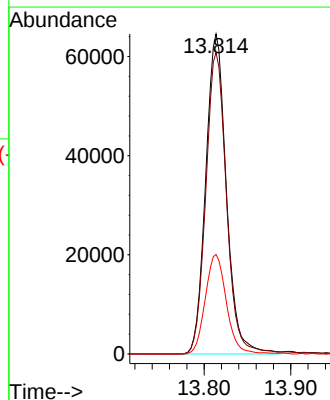
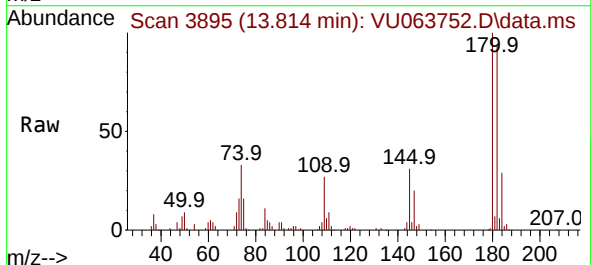
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005150

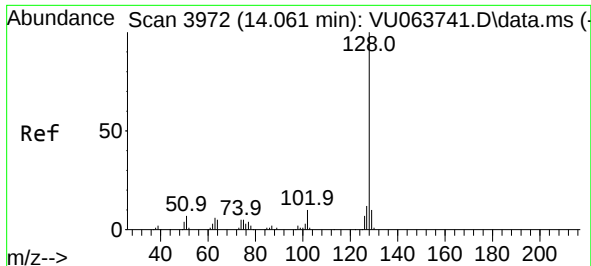
Tgt Ion:180 Resp: 146439  
 Ion Ratio Lower Upper  
 180 100  
 182 96.2 76.4 114.6  
 184 30.6 23.8 35.6  
 145 31.9 24.2 36.2



#70  
 1,2,4-trichlorobenzene  
 Concen: 4.770 ug/L  
 RT: 13.814 min Scan# 3895  
 Delta R.T. -0.000 min  
 Lab File: VU063752.D  
 Acq: 20 Nov 2025 11:10

Tgt Ion:180 Resp: 107084  
 Ion Ratio Lower Upper  
 180 100  
 182 94.5 77.8 116.6  
 145 31.9 26.1 39.1

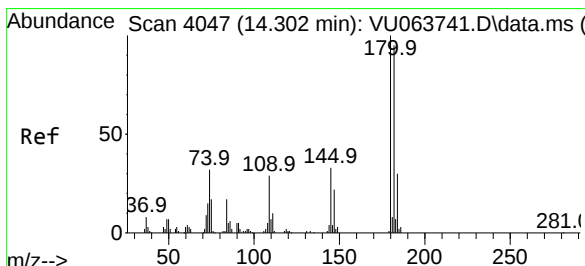
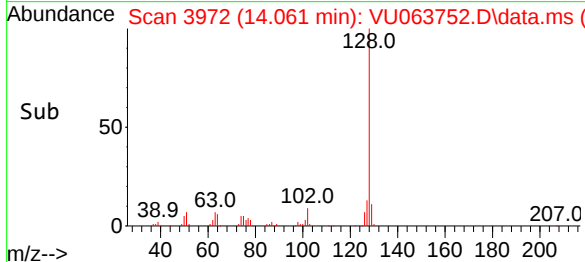
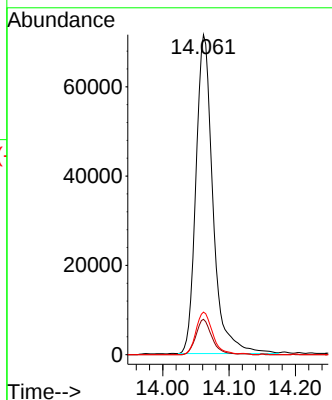
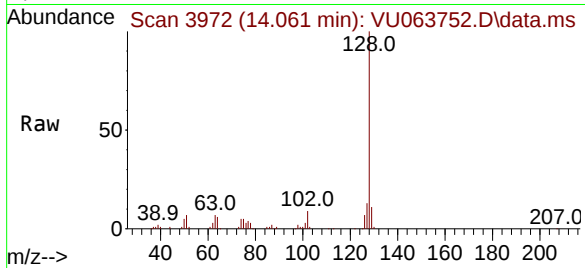




#71  
Naphthalene  
Concen: 3.975 ug/L  
RT: 14.061 min Scan# 3972  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005150

Tgt Ion:128 Resp: 127186  
Ion Ratio Lower Upper  
128 100  
129 10.4 8.6 12.8  
127 13.1 10.0 15.0



#72  
1,2,3-Trichlorobenzene  
Concen: 4.606 ug/L  
RT: 14.303 min Scan# 4047  
Delta R.T. -0.000 min  
Lab File: VU063752.D  
Acq: 20 Nov 2025 11:10

Tgt Ion:180 Resp: 86483  
Ion Ratio Lower Upper  
180 100  
182 93.3 75.7 113.5  
145 33.0 27.1 40.7

