

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040924\  
 Data File : VW028371.D  
 Acq On : 09 Apr 2024 18:15  
 Operator : SY/MD  
 Sample : P2037-03MS  
 Misc : 4.13g/10mL/MSVOA\_W/SOIL/B  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E1CY1MS

Quant Time: Apr 10 01:20:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Apr 10 01:16:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 475928   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 437267   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 203324   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 157514   | 20.644   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 82.560%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 126591   | 21.891   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 87.560%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 66849    | 20.689   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 82.760%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 67615    | 47.358   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 94.720%  |
| 24) Chloroform-d              | 7.648  | 84    | 280625   | 22.596   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 90.400%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 148902   | 23.072   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 92.280%  |
| 32) Benzene-d6                | 8.270  | 84    | 541101   | 22.652   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 90.600%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 163450   | 23.020   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 92.080%  |
| 41) Toluene-d8                | 10.325 | 98    | 491668   | 22.635   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 90.560%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 63785    | 22.592   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 90.360%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 48002    | 48.805   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 97.600%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 119948   | 23.943   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 95.760%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 147556   | 22.947   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 91.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 111107   | 17.357   | ug/L   | 92       |
| 3) Chloromethane              | 2.223  | 50    | 152050   | 20.232   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.375  | 62    | 172334   | 19.255   | ug/L   | 99       |
| 6) Bromomethane               | 2.790  | 94    | 106810   | 19.101   | ug/L   | 99       |
| 8) Chloroethane               | 2.936  | 64    | 104452   | 19.360   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 138318   | 19.372   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 116317   | 17.316   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 120375   | 19.086   | ug/L   | 96       |
| 13) Acetone                   | 4.119  | 43    | 78430    | 44.738   | ug/L   | 95       |
| 14) Carbon disulfide          | 4.393  | 76    | 377459   | 18.178   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 51241    | 18.166   | ug/L   | 100      |
| 16) Methylene chloride        | 4.923  | 84    | 137827   | 19.138   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 126131   | 18.985   | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 192749   | 20.624   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 256814   | 19.840   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 138719   | 19.673   | ug/L   | 97       |
| 22) 2-Butanone                | 7.167  | 43    | 93715    | 44.049   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.520  | 128   | 57761    | 19.018   | ug/L   | 99       |
| 25) Chloroform                | 7.679  | 83    | 256879   | 20.202   | ug/L   | 96       |

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 ALS Vial : 1 Sample Multiplier: 1

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 Quant Title : SFAM01.0  
 QLast Update : Wed Apr 10 01:16:29 2024  
 Response via : Initial Calibration

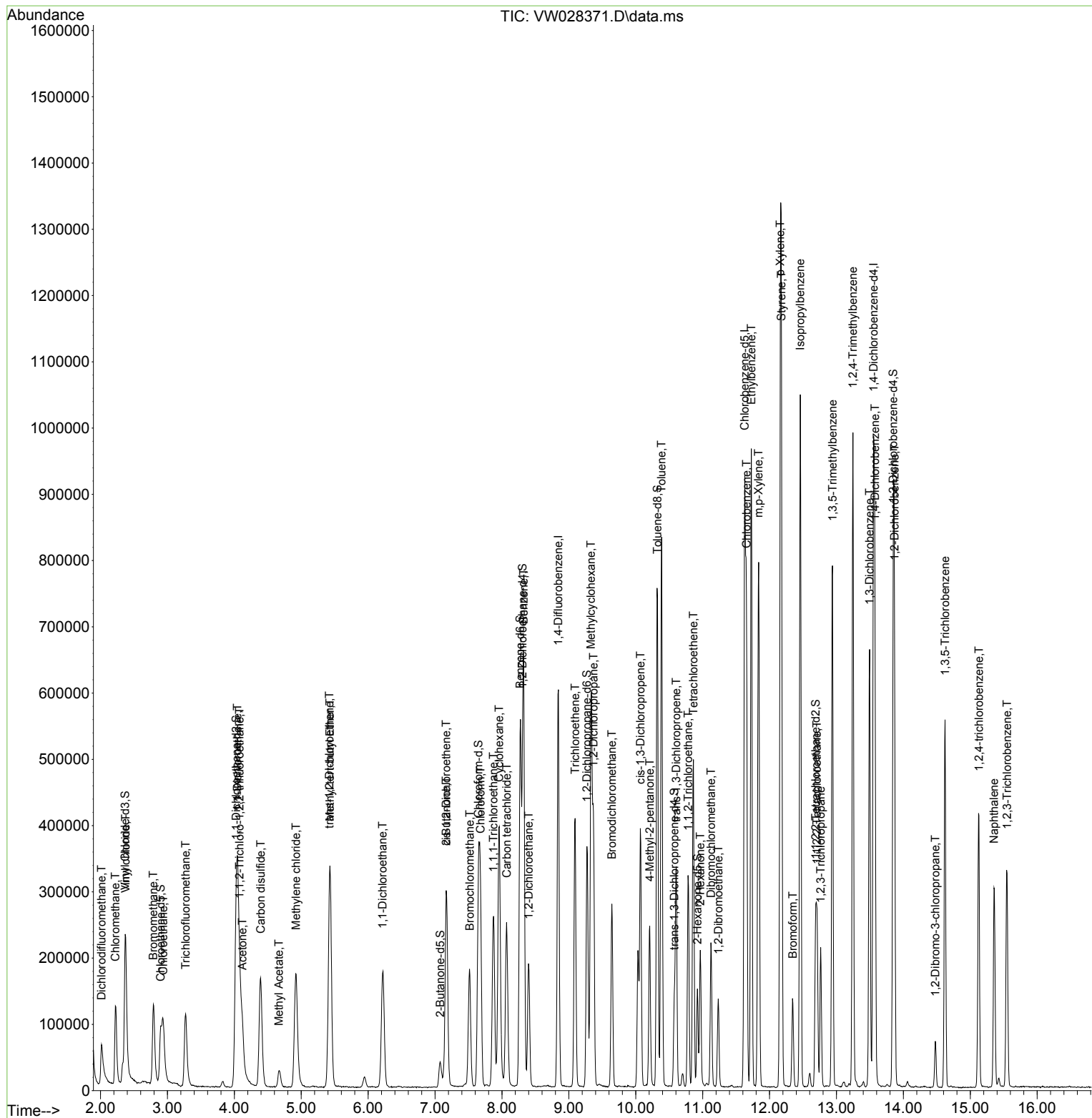
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 173790   | 19.802 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 229521   | 19.872 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 208446   | 19.656 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.069  | 117  | 183363   | 19.498 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 544347   | 19.911 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 140805   | 19.005 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.331  | 83   | 231039   | 18.274 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 141574   | 19.868 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 178117   | 20.167 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 215076   | 20.583 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 163392   | 45.806 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 581624   | 20.081 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 173224   | 20.492 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 95270    | 19.762 | ug/L  | 93       |
| 46) Tetrachloroethene         | 10.861 | 164  | 106383   | 19.223 | ug/L  | 88       |
| 48) 2-Hexanone                | 10.965 | 43   | 133733   | 47.232 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.123 | 129  | 106567   | 20.682 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 87242    | 19.828 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 353197   | 19.619 | ug/L  | 94       |
| 52) Ethylbenzene              | 11.727 | 91   | 648321   | 19.747 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 244214   | 20.002 | ug/L  | 91       |
| 54) o-Xylene                  | 12.160 | 106  | 226664   | 19.938 | ug/L  | 91       |
| 55) Styrene                   | 12.178 | 104  | 389774   | 20.145 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.709 | 83   | 111438   | 20.426 | ug/L  | 98       |
| 59) Bromoform                 | 12.349 | 173  | 57361    | 21.372 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.459 | 105  | 643424   | 21.108 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 79528    | 21.394 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 404894   | 20.841 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 495964   | 21.212 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 254654   | 19.689 | ug/L  | 93       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 253120   | 19.239 | ug/L  | 92       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 226813   | 19.936 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.477 | 75   | 16841    | 19.771 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 158278   | 17.784 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 121241   | 17.444 | ug/L  | 91       |
| 71) Naphthalene               | 15.354 | 128  | 249739   | 20.303 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 105581   | 17.119 | ug/L  | 97       |

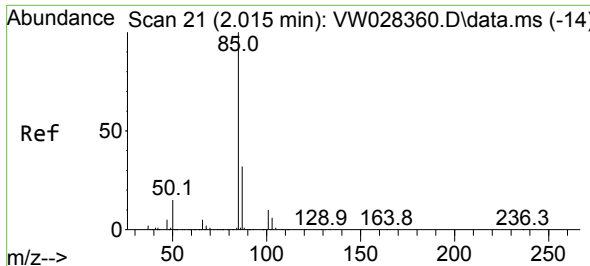
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 10 01:16:29 2024  
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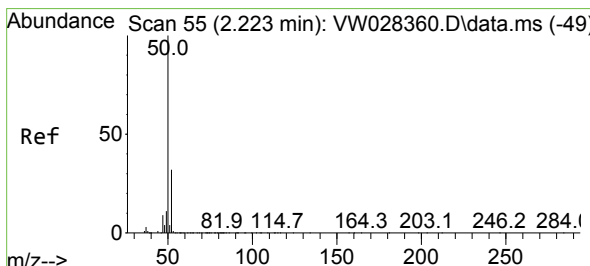
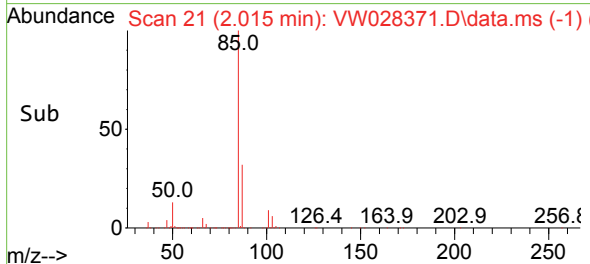
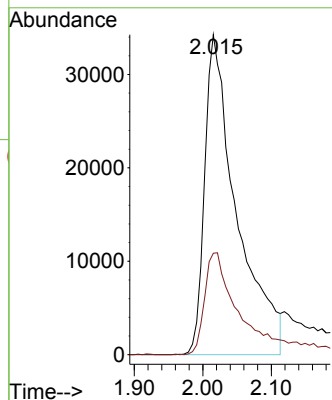
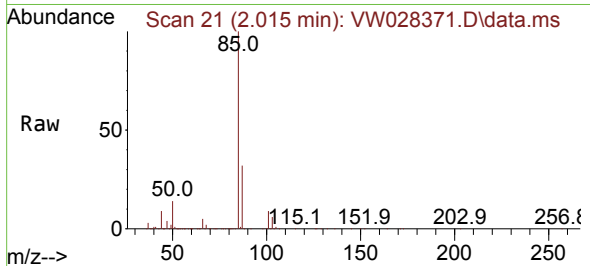




#2  
Dichlorodifluoromethane  
Concen: 17.357 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

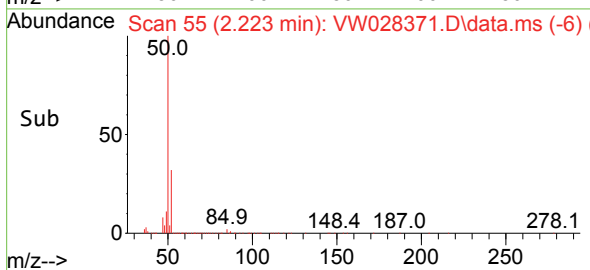
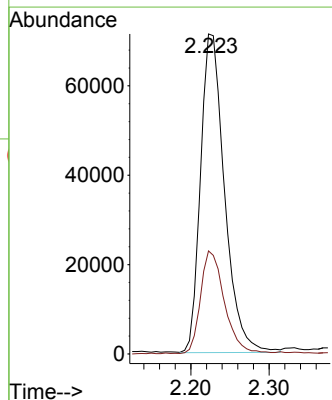
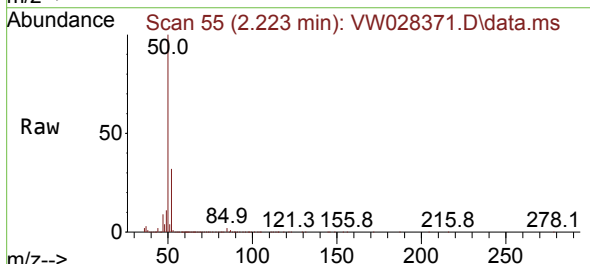
Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

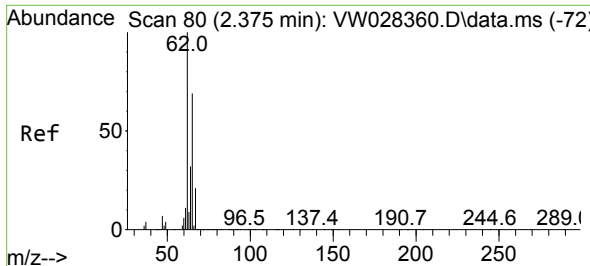
Tgt Ion: 85 Resp: 111107  
Ion Ratio Lower Upper  
85 100  
87 33.6 23.4 35.0



#3  
Chloromethane  
Concen: 20.232 ug/L  
RT: 2.223 min Scan# 55  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion: 50 Resp: 152050  
Ion Ratio Lower Upper  
50 100  
52 32.2 23.0 42.6

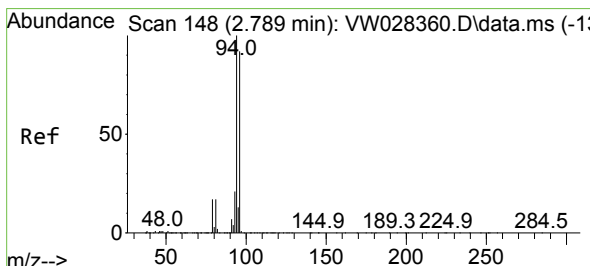
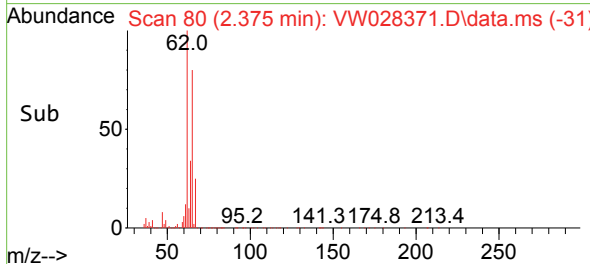
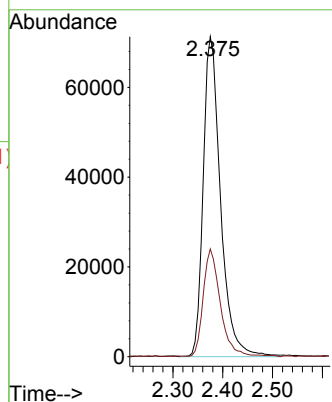
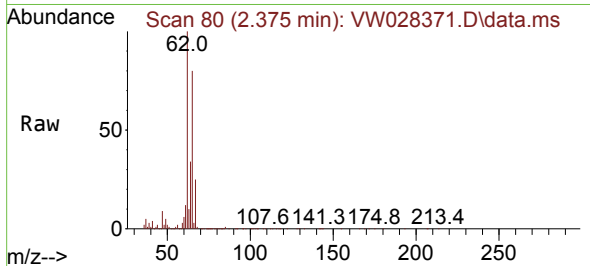




#5  
 Vinyl chloride  
 Concen: 19.255 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: VW028371.D  
 Acq: 09 Apr 2024 18:15

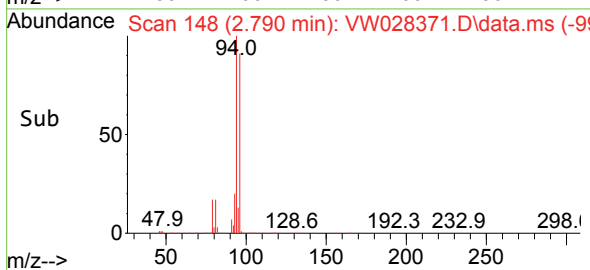
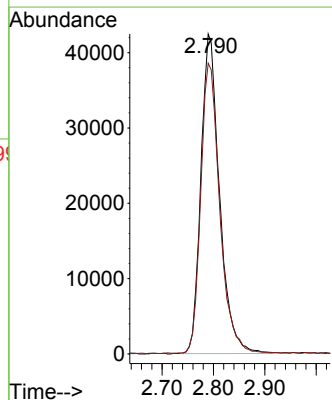
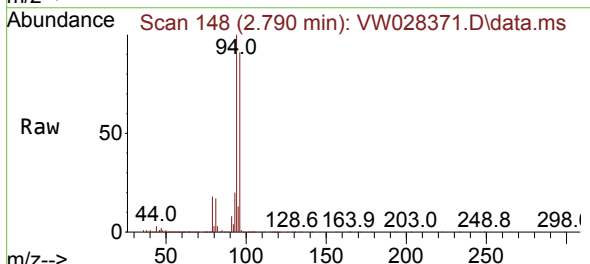
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E1CY1MS

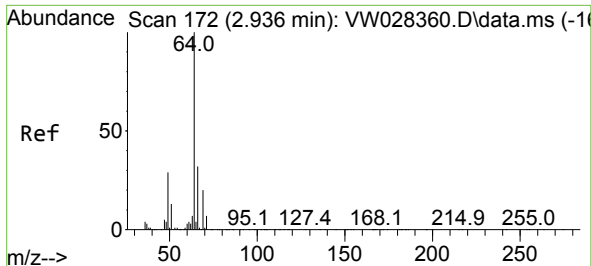
Tgt Ion: 62 Resp: 172334  
 Ion Ratio Lower Upper  
 62 100  
 64 33.7 23.1 42.9



#6  
 Bromomethane  
 Concen: 19.101 ug/L  
 RT: 2.790 min Scan# 148  
 Delta R.T. 0.000 min  
 Lab File: VW028371.D  
 Acq: 09 Apr 2024 18:15

Tgt Ion: 94 Resp: 106810  
 Ion Ratio Lower Upper  
 94 100  
 96 90.9 64.3 119.5

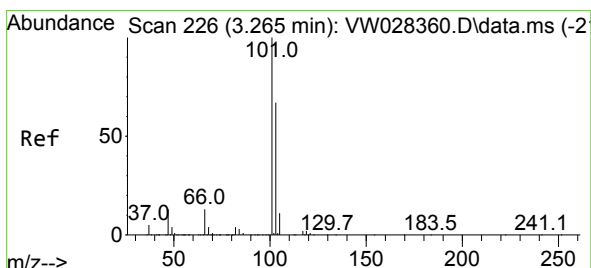
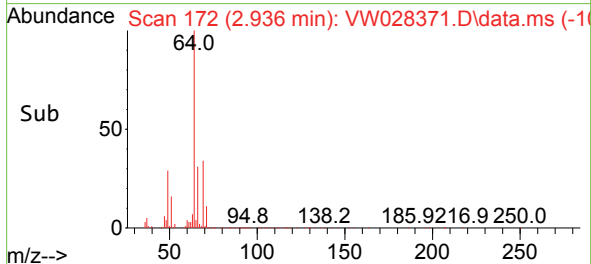
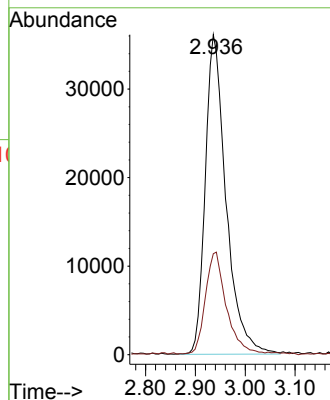
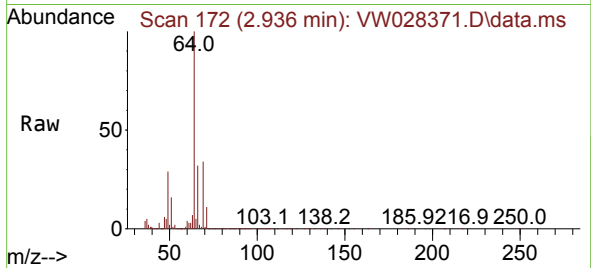




#8  
Chloroethane  
Concen: 19.360 ug/L  
RT: 2.936 min Scan# 172  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

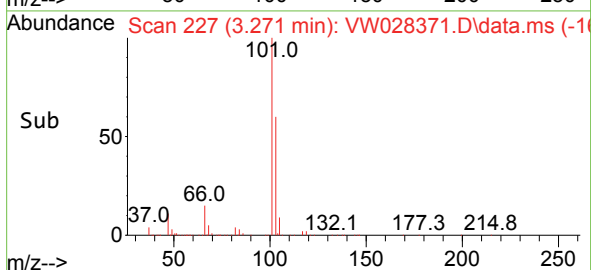
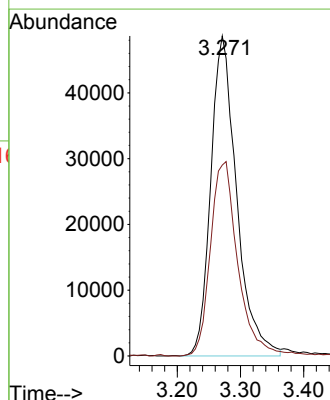
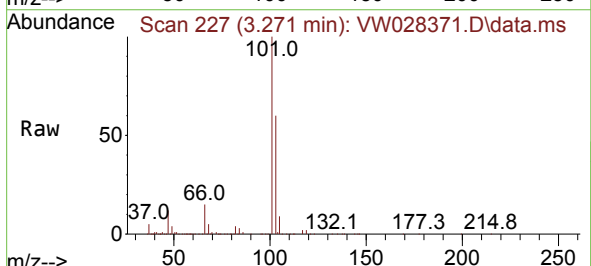
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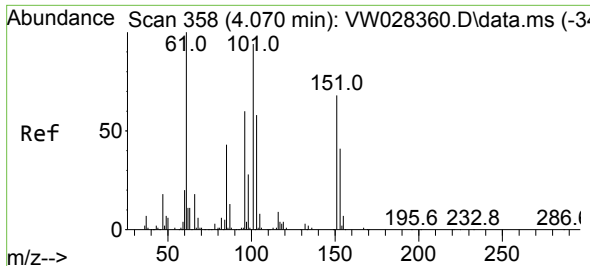
Tgt Ion: 64 Resp: 104452  
Ion Ratio Lower Upper  
64 100  
66 31.6 21.7 40.3



#9  
Trichlorofluoromethane  
Concen: 19.372 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. 0.006 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion: 101 Resp: 138318  
Ion Ratio Lower Upper  
101 100  
103 64.0 52.0 78.0

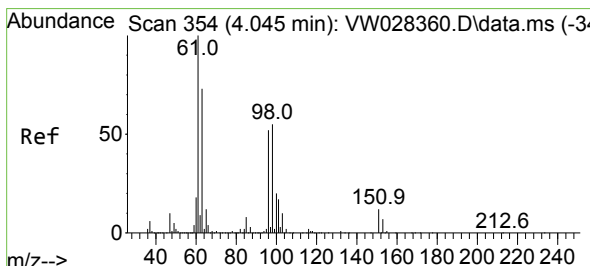
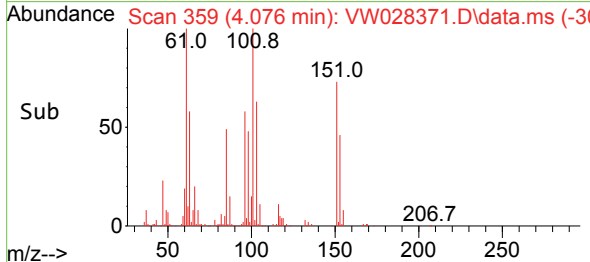
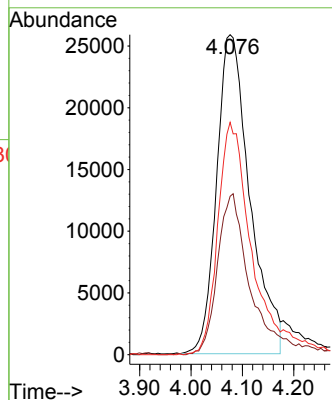
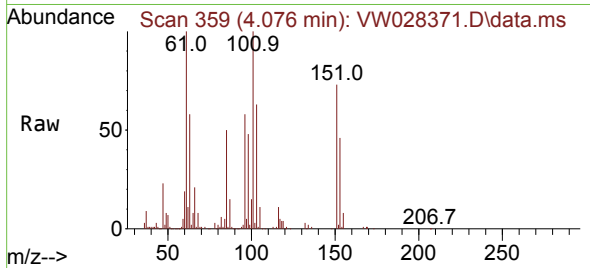




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 17.316 ug/L  
 RT: 4.076 min Scan# 358  
 Delta R.T. 0.006 min  
 Lab File: VW028371.D  
 Acq: 09 Apr 2024 18:15

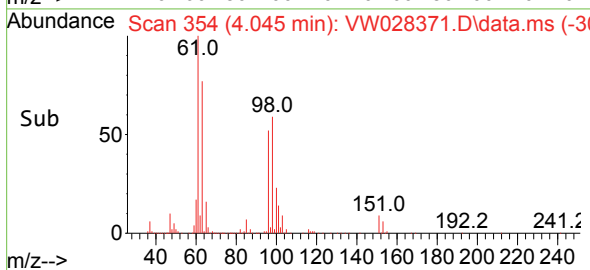
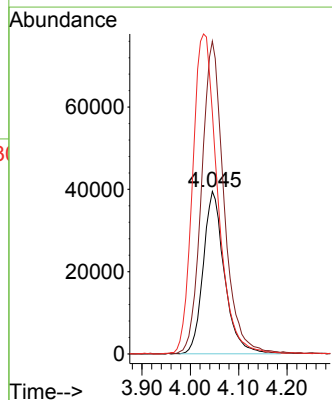
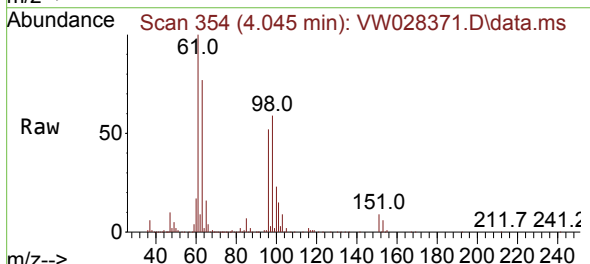
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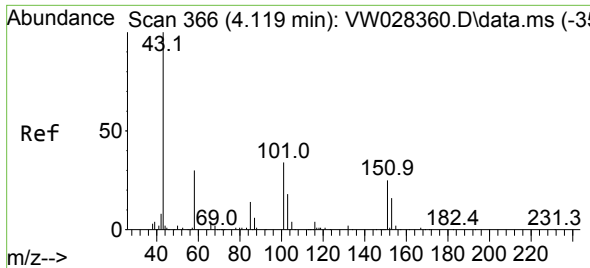
Tgt Ion: 101 Resp: 116317  
 Ion Ratio Lower Upper  
 101 100  
 85 48.7 34.5 51.7  
 151 70.2 57.5 86.3



#12  
 1,1-Dichloroethene  
 Concen: 19.086 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. 0.000 min  
 Lab File: VW028371.D  
 Acq: 09 Apr 2024 18:15

Tgt Ion: 96 Resp: 120375  
 Ion Ratio Lower Upper  
 96 100  
 61 192.5 130.5 242.5  
 63 148.6 101.5 188.5

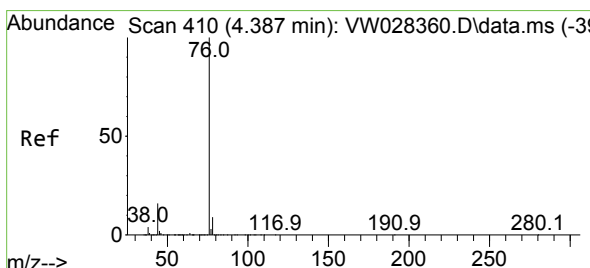
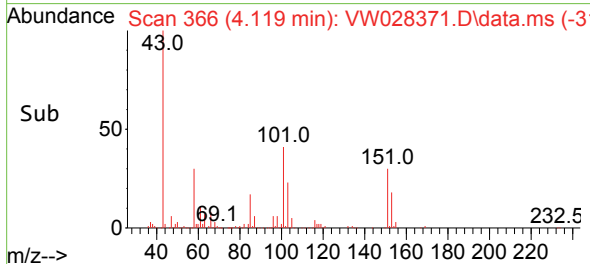
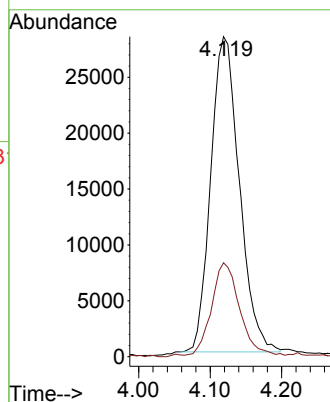
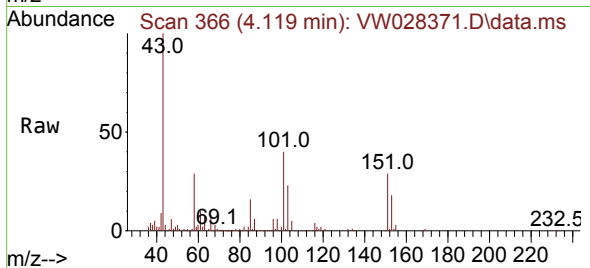




#13  
Acetone  
Concen: 44.738 ug/L  
RT: 4.119 min Scan# 366  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

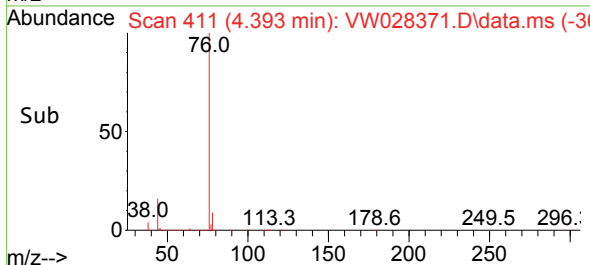
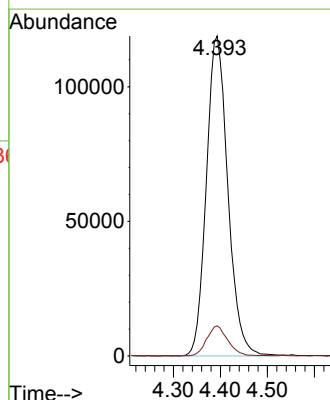
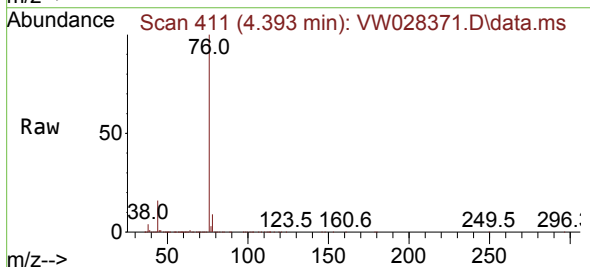
Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

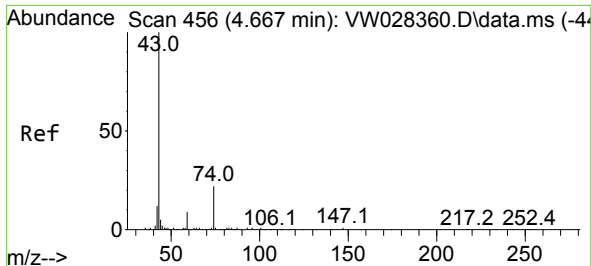
Tgt Ion: 43 Resp: 78430  
Ion Ratio Lower Upper  
43 100  
58 29.4 0.0 53.4



#14  
Carbon disulfide  
Concen: 18.178 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion: 76 Resp: 377459  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.3 10.9

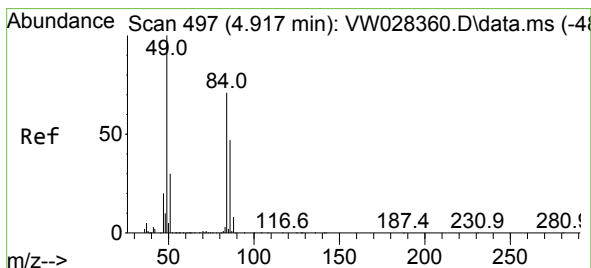
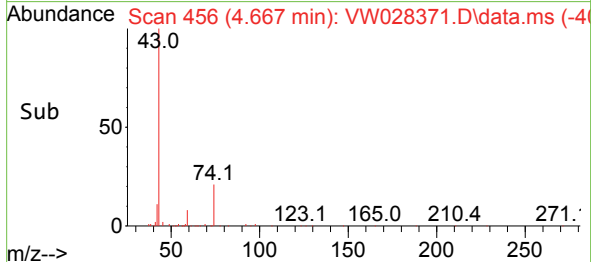
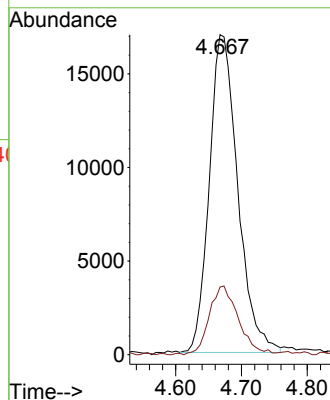
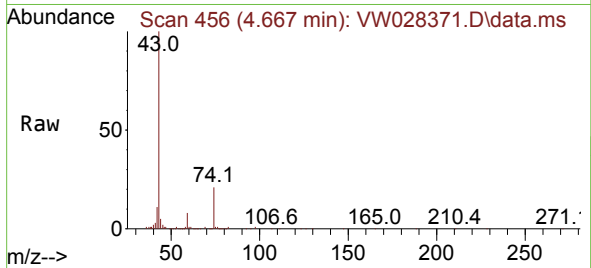




#15  
Methyl Acetate  
Concen: 18.166 ug/L  
RT: 4.667 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

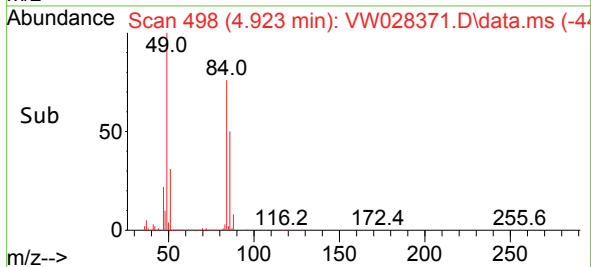
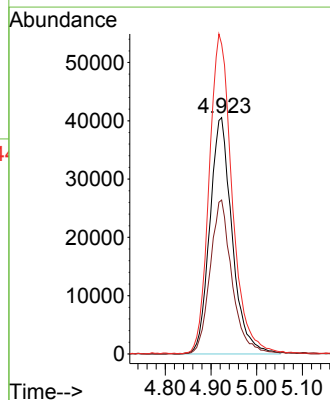
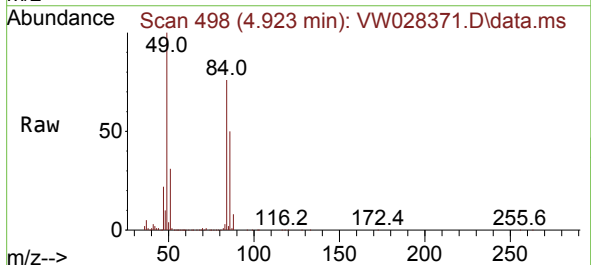
Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

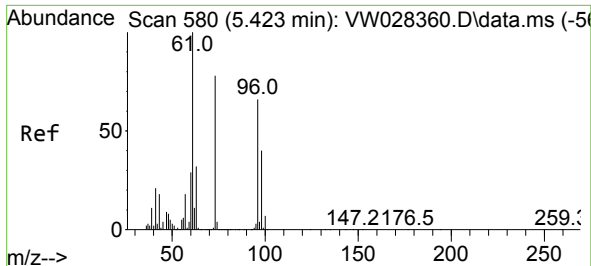
Tgt Ion: 43 Resp: 51241  
Ion Ratio Lower Upper  
43 100  
74 21.8 17.4 26.0



#16  
Methylene chloride  
Concen: 19.138 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.006 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion: 84 Resp: 137827  
Ion Ratio Lower Upper  
84 100  
86 65.1 44.2 82.0  
49 131.1 95.0 176.4

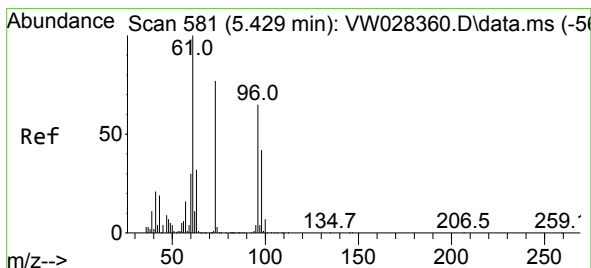
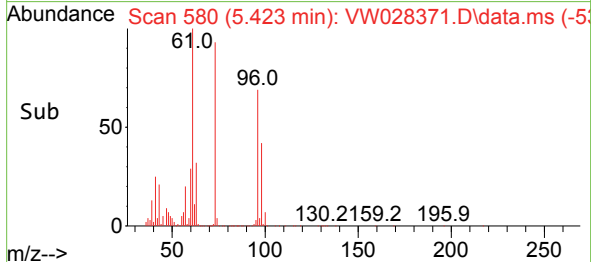
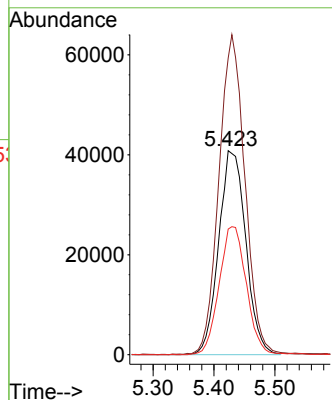
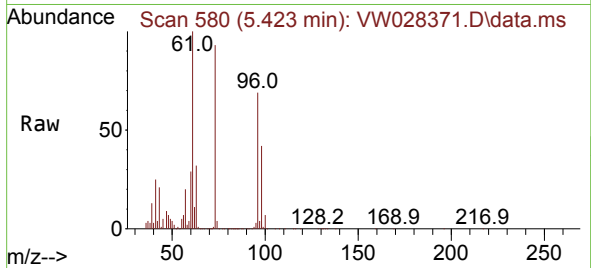




#17  
trans-1,2-Dichloroethene  
Concen: 18.985 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

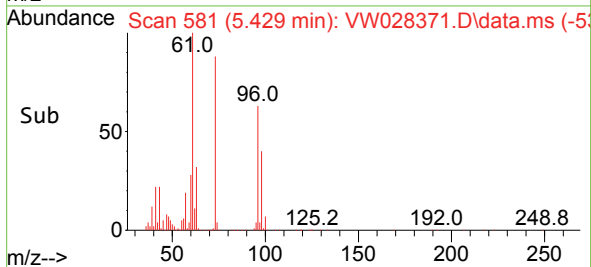
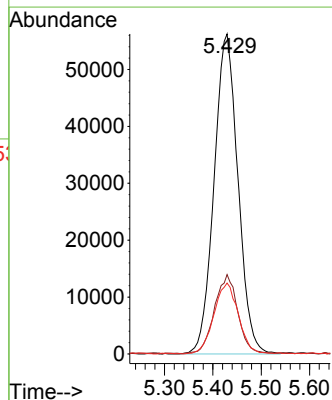
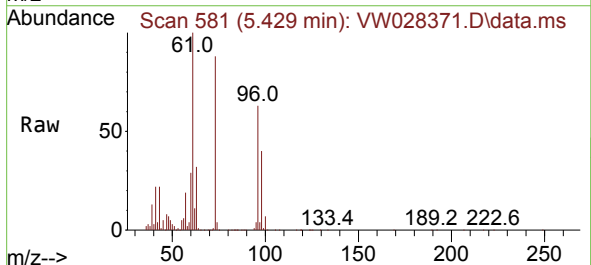
Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

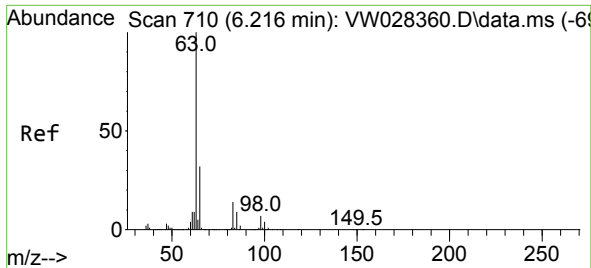
Tgt Ion: 96 Resp: 126131  
Ion Ratio Lower Upper  
96 100  
61 145.4 108.4 201.4  
98 61.6 45.6 84.8



#18  
Methyl tert-butyl Ether  
Concen: 20.624 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion: 73 Resp: 192749  
Ion Ratio Lower Upper  
73 100  
43 23.8 18.5 27.7  
57 22.8 18.2 27.4





#19

1,1-Dichloroethane

Concen: 19.840 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

Instrument :

MSVOA\_W

ClientSampleId :

E1CY1MS

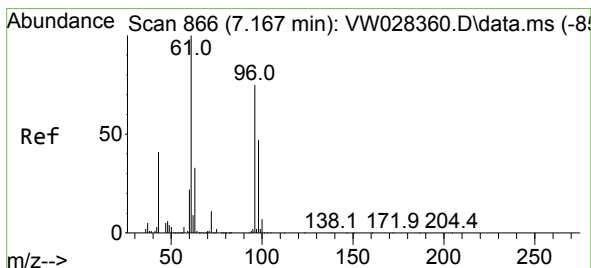
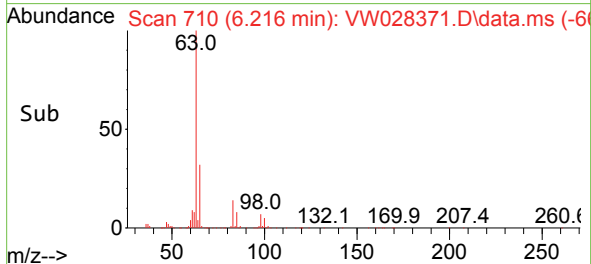
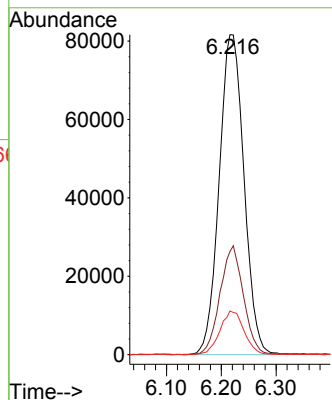
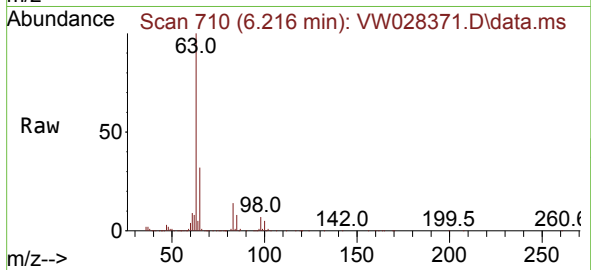
Tgt Ion: 63 Resp: 256814

Ion Ratio Lower Upper

63 100

65 32.2 21.8 40.4

83 13.6 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 19.673 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

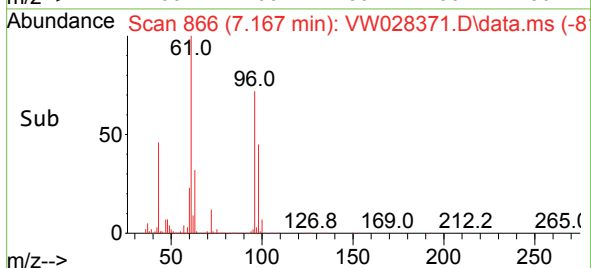
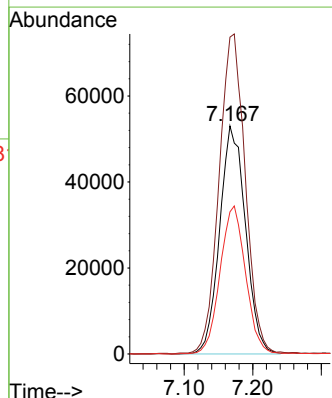
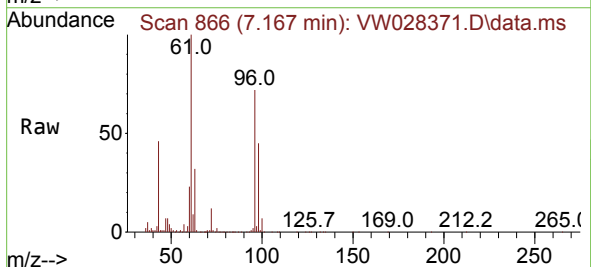
Tgt Ion: 96 Resp: 138719

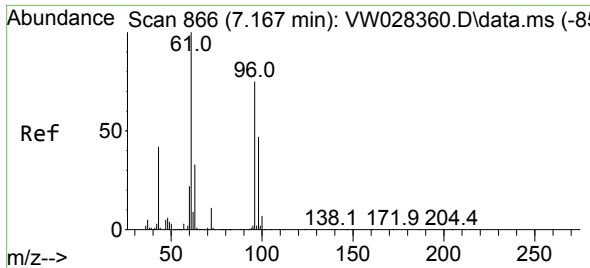
Ion Ratio Lower Upper

96 100

61 139.0 97.6 181.2

98 62.3 47.7 88.5

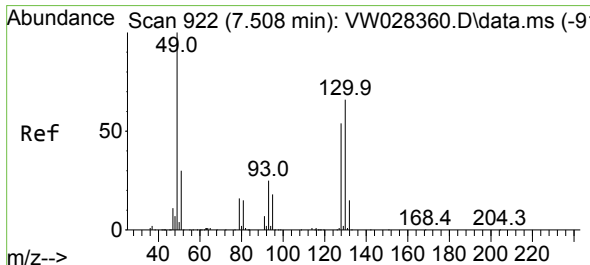
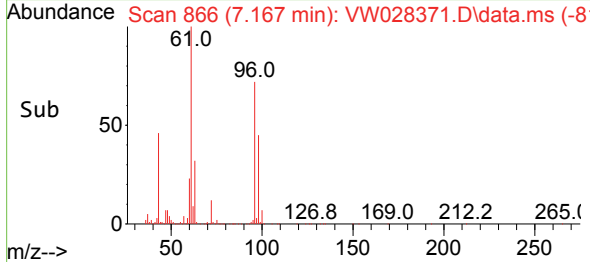
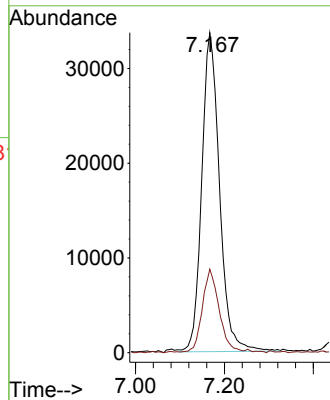
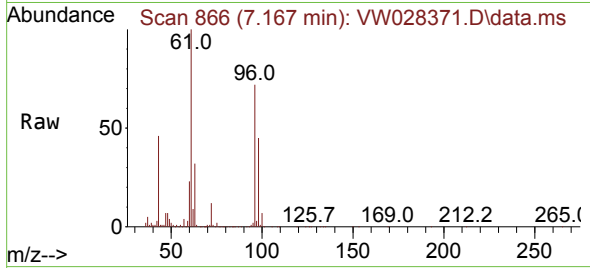




#22  
2-Butanone  
Concen: 44.049 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

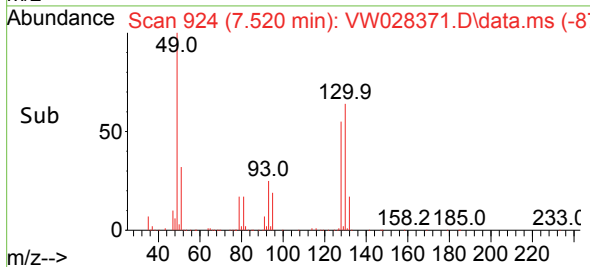
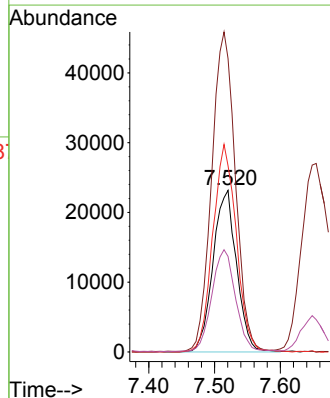
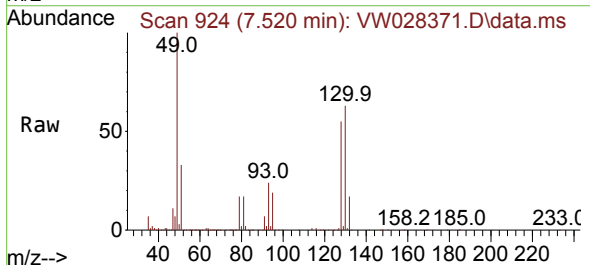
Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

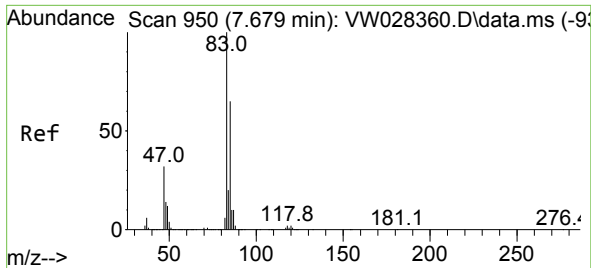
Tgt Ion: 43 Resp: 93715  
Ion Ratio Lower Upper  
43 100  
72 24.6 12.8 38.4



#23  
Bromochloromethane  
Concen: 19.018 ug/L  
RT: 7.520 min Scan# 924  
Delta R.T. 0.012 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion: 128 Resp: 57761  
Ion Ratio Lower Upper  
128 100  
49 181.5 127.1 236.0  
130 115.2 78.3 145.5  
51 59.1 46.0 69.0

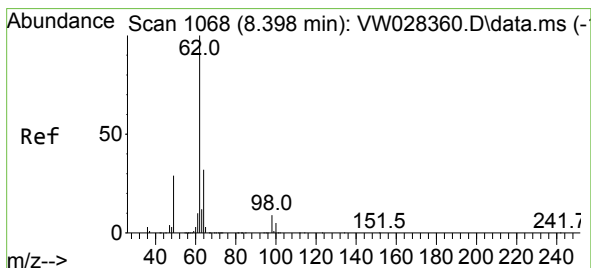
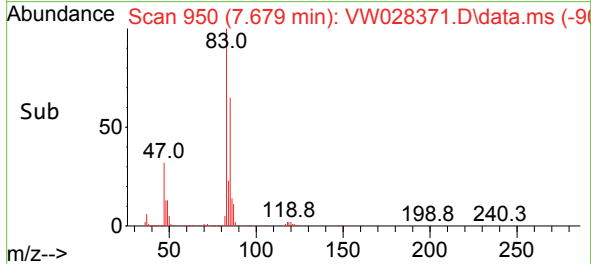
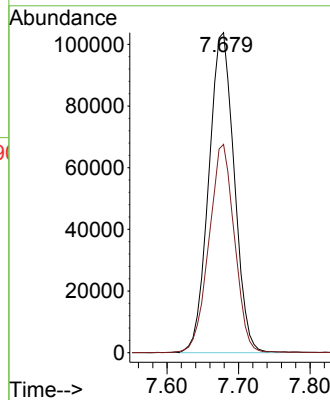
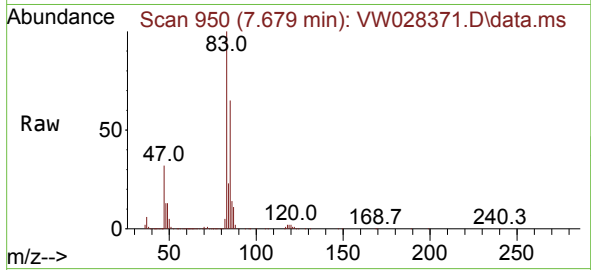




#25  
Chloroform  
Concen: 20.202 ug/L  
RT: 7.679 min Scan# 910  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

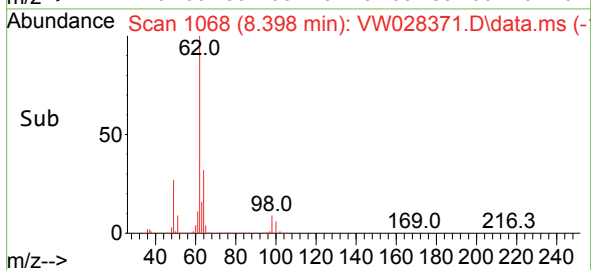
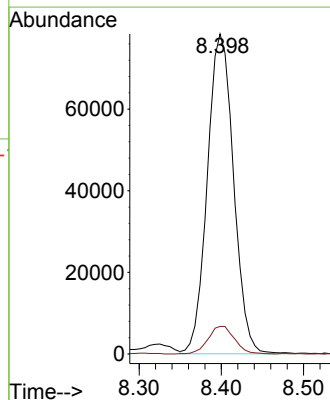
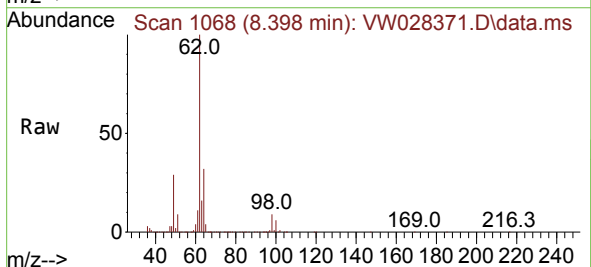
Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

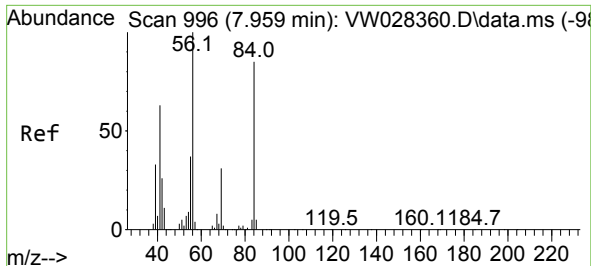
Tgt Ion: 83 Resp: 256879  
Ion Ratio Lower Upper  
83 100  
85 65.1 47.7 88.7



#27  
1,2-Dichloroethane  
Concen: 19.802 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

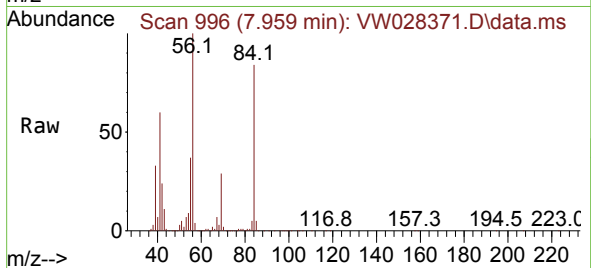
Tgt Ion: 62 Resp: 173790  
Ion Ratio Lower Upper  
62 100  
98 8.6 6.6 10.0



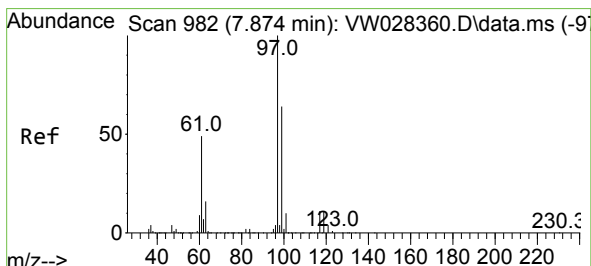
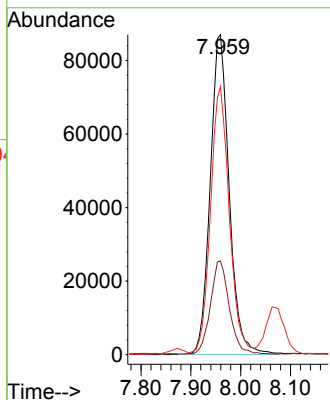
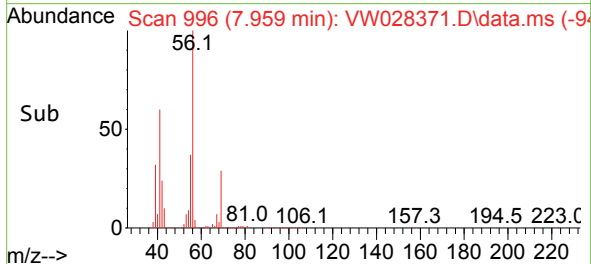


#29  
Cyclohexane  
Concen: 19.872 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

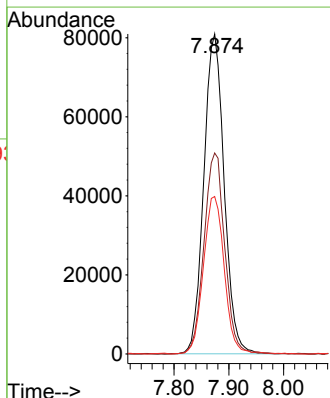
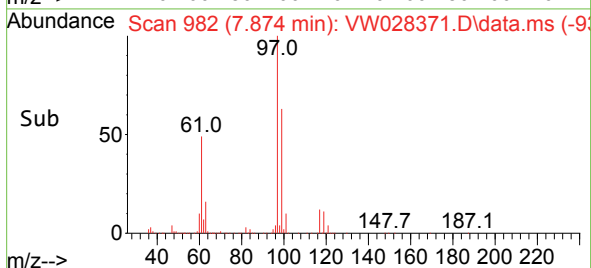
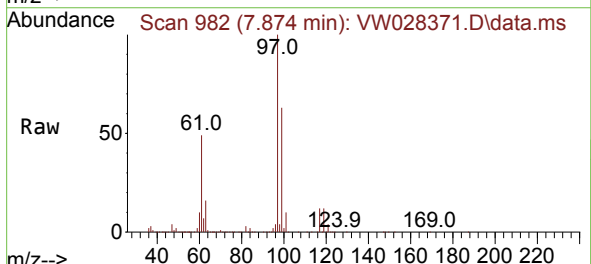


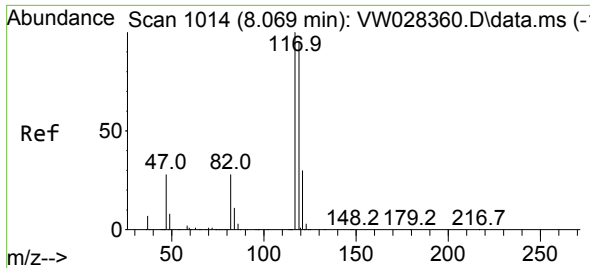
Tgt Ion: 56 Resp: 229521  
Ion Ratio Lower Upper  
56 100  
69 28.7 23.8 35.6  
84 82.5 65.9 98.9



#30  
1,1,1-Trichloroethane  
Concen: 19.656 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion: 97 Resp: 208446  
Ion Ratio Lower Upper  
97 100  
99 64.0 51.4 77.2  
61 50.3 40.5 60.7

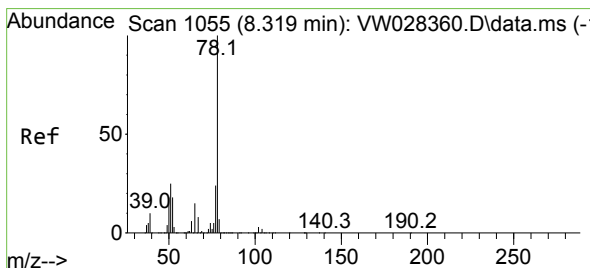
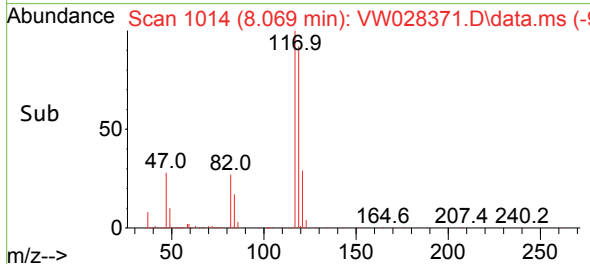
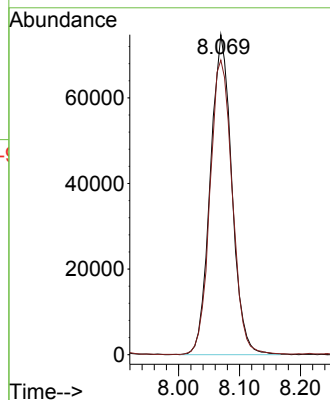
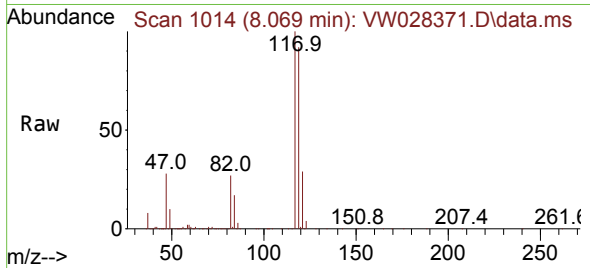




#31  
Carbon tetrachloride  
Concen: 19.498 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

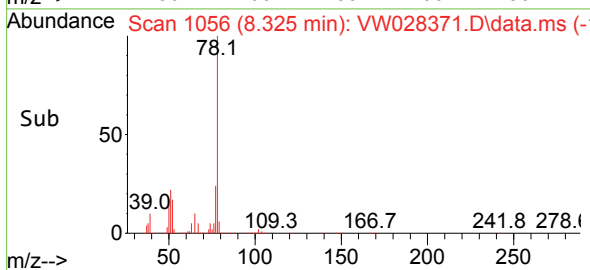
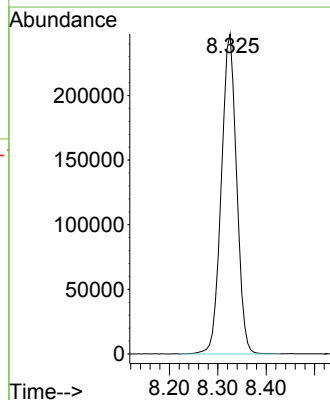
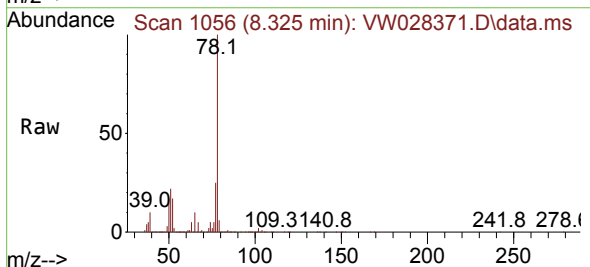
Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

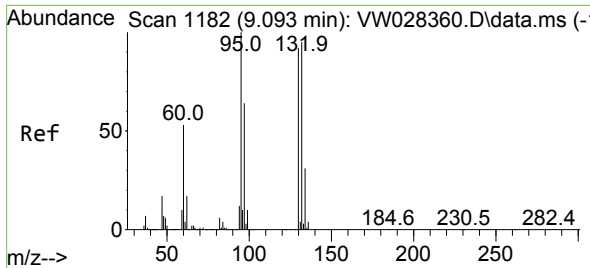
Tgt Ion:117 Resp: 183363  
Ion Ratio Lower Upper  
117 100  
119 95.2 77.4 116.2



#33  
Benzene  
Concen: 19.911 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion: 78 Resp: 544347



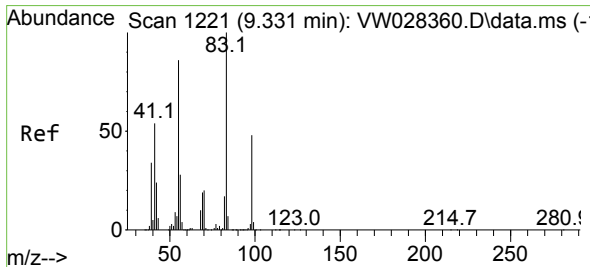
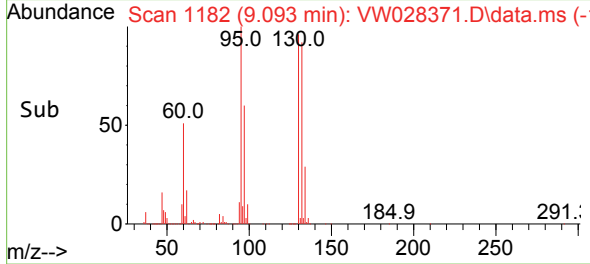
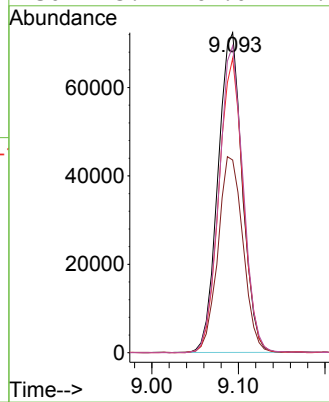
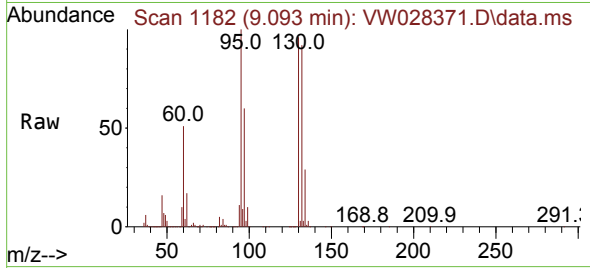


#34  
Trichloroethene  
Concen: 19.005 ug/L  
RT: 9.093 min Scan# 1182  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

Tgt Ion: 95 Resp: 140805

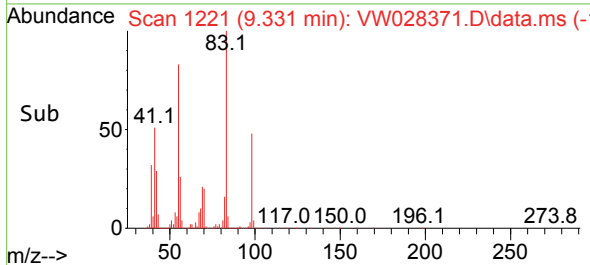
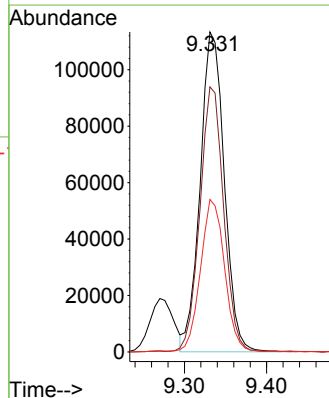
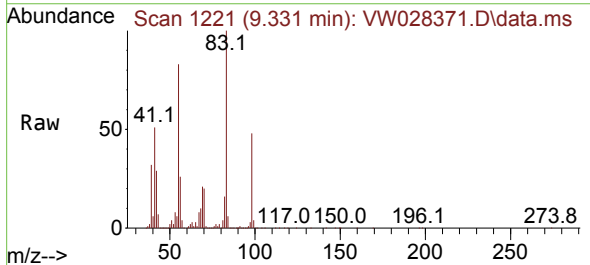
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 60.2  | 43.8  | 81.4  |
| 132 | 92.0  | 66.1  | 122.8 |
| 130 | 95.9  | 67.0  | 124.4 |

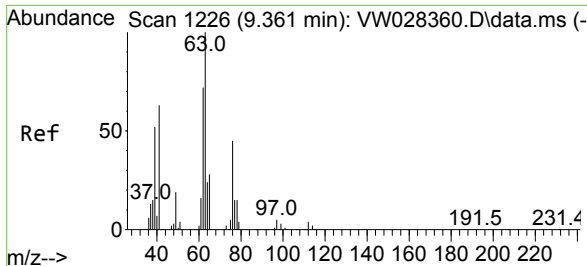


#35  
Methylcyclohexane  
Concen: 18.274 ug/L  
RT: 9.331 min Scan# 1221  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion: 83 Resp: 231039

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 81.4  | 65.7  | 98.5  |
| 98  | 47.8  | 38.6  | 58.0  |

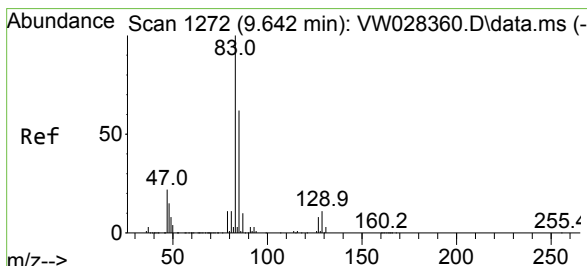
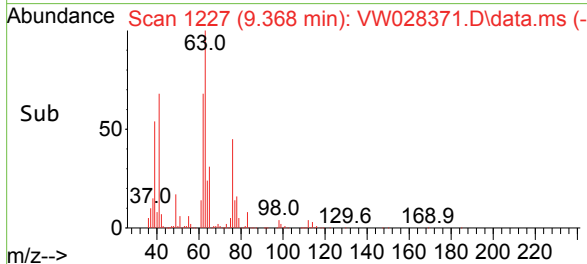
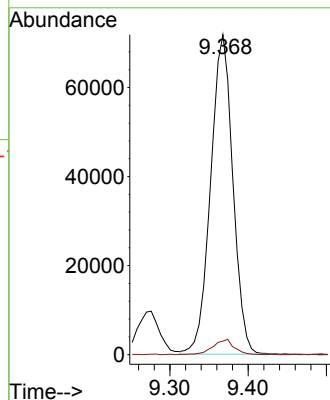
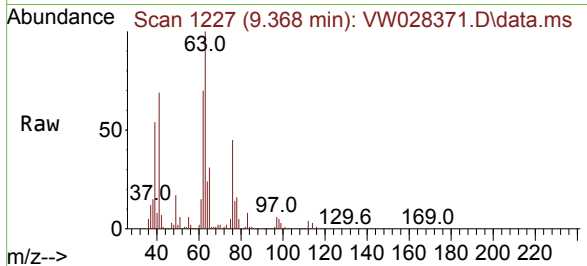




#37  
1,2-Dichloropropane  
Concen: 19.868 ug/L  
RT: 9.368 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

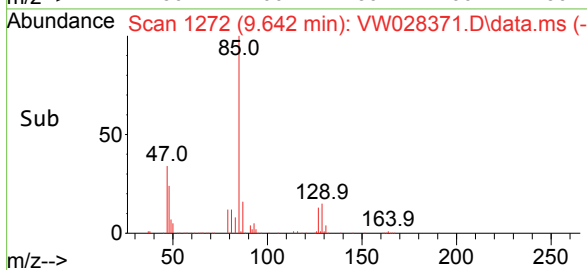
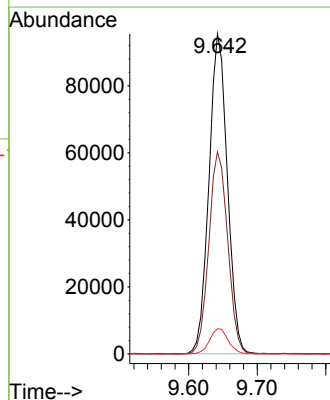
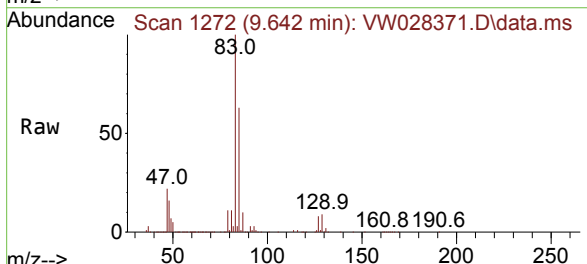
Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

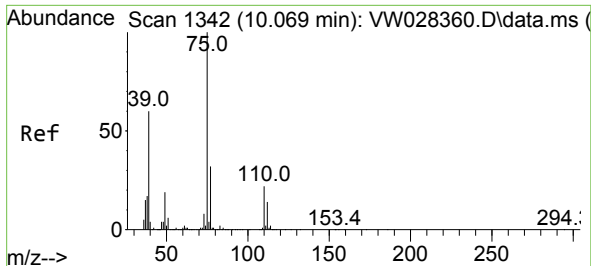
Tgt Ion: 63 Resp: 141574  
Ion Ratio Lower Upper  
63 100  
112 4.6 3.6 5.4



#38  
Bromodichloromethane  
Concen: 20.167 ug/L  
RT: 9.642 min Scan# 1272  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion: 83 Resp: 178117  
Ion Ratio Lower Upper  
83 100  
85 63.2 43.1 80.1  
127 7.9 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 20.583 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

Instrument :

MSVOA\_W

ClientSampleId :

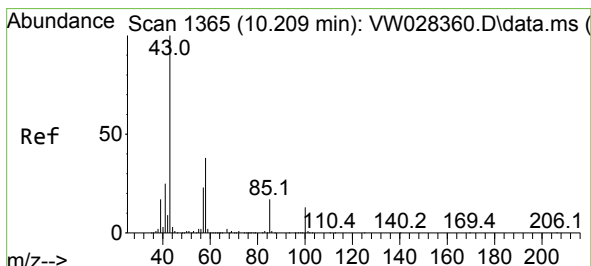
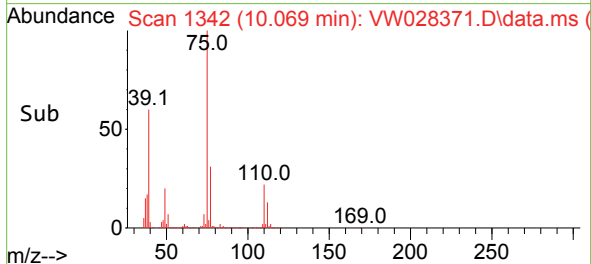
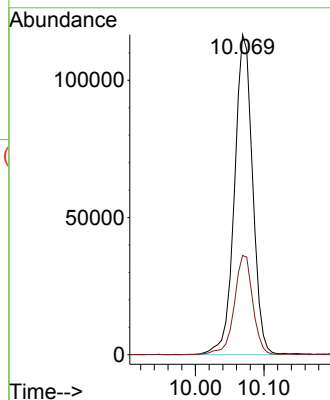
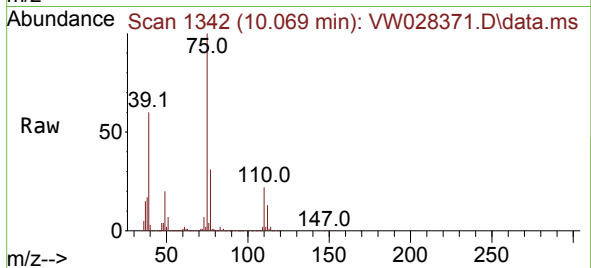
E1CY1MS

Tgt Ion: 75 Resp: 215076

Ion Ratio Lower Upper

75 100

77 31.0 21.3 39.5



#40

4-Methyl-2-pentanone

Concen: 45.806 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

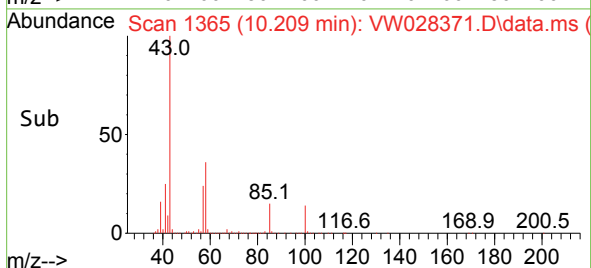
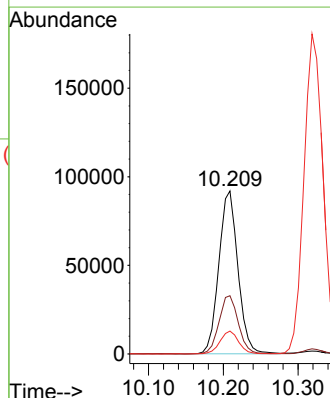
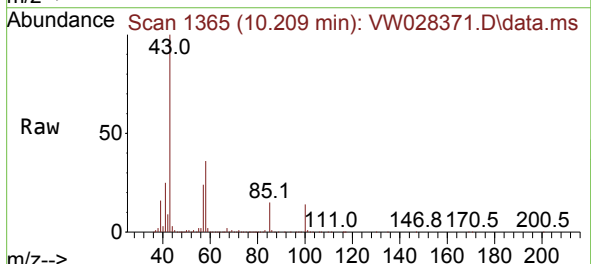
Tgt Ion: 43 Resp: 163392

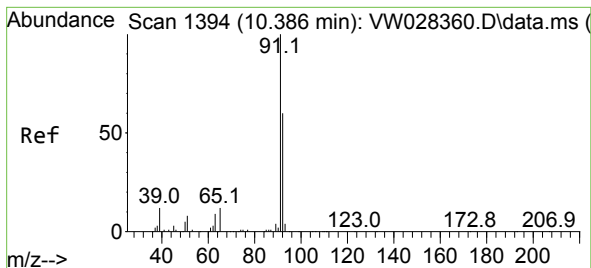
Ion Ratio Lower Upper

43 100

58 36.4 28.6 43.0

100 13.9 10.6 16.0





#42

Toluene

Concen: 20.081 ug/L

RT: 10.386 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

Instrument :

MSVOA\_W

ClientSampleId :

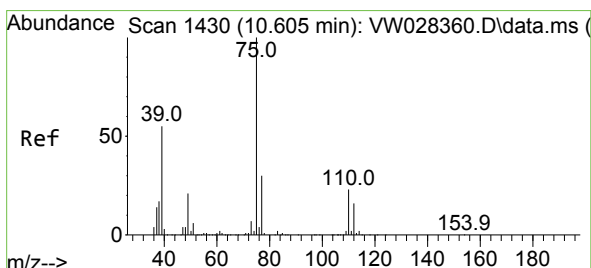
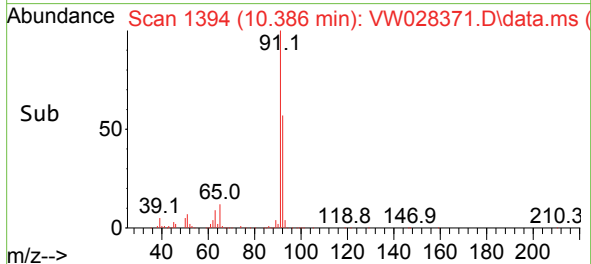
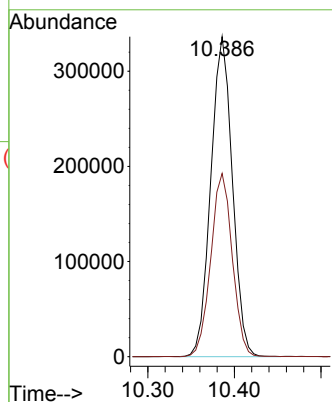
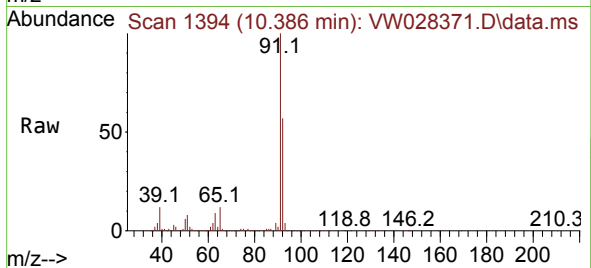
E1CY1MS

Tgt Ion: 91 Resp: 581624

Ion Ratio Lower Upper

91 100

92 57.2 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 20.492 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW028371.D

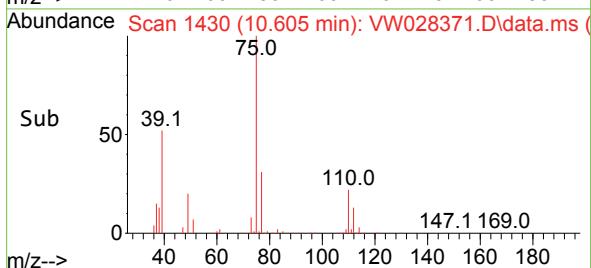
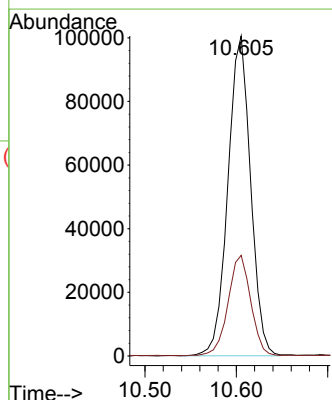
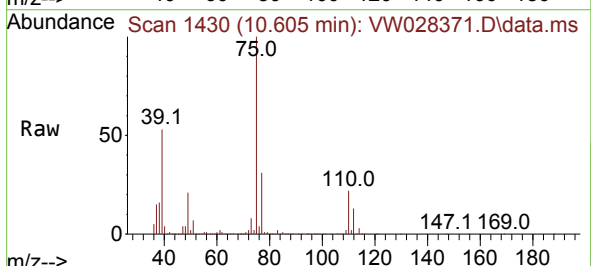
Acq: 09 Apr 2024 18:15

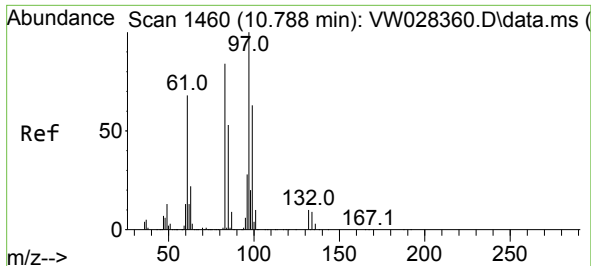
Tgt Ion: 75 Resp: 173224

Ion Ratio Lower Upper

75 100

77 31.5 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 19.762 ug/L

RT: 10.782 min Scan# 14

Delta R.T. -0.006 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

Instrument :

MSVOA\_W

ClientSampleId :

E1CY1MS

Tgt Ion: 97 Resp: 95270

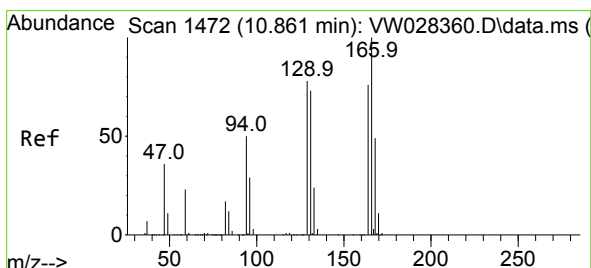
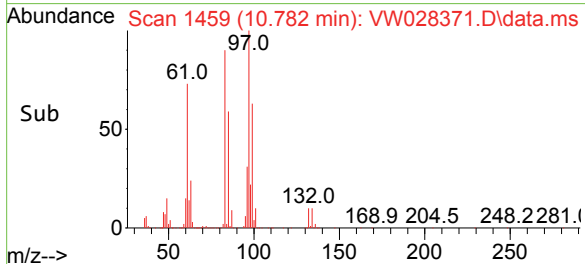
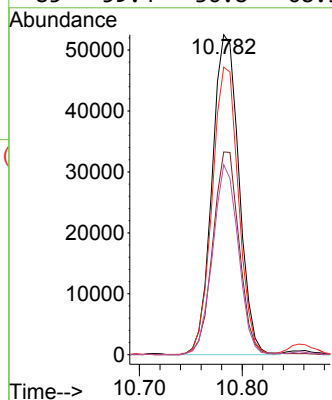
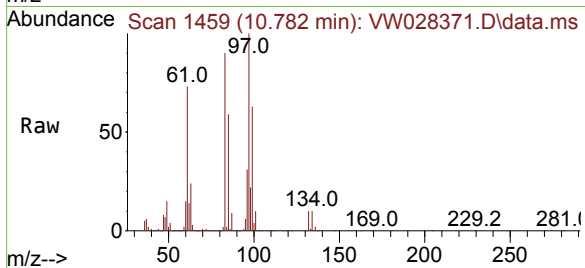
Ion Ratio Lower Upper

97 100

99 63.3 44.2 82.2

83 89.8 56.4 104.7

85 59.4 36.8 68.3



#46

Tetrachloroethene

Concen: 19.223 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

Tgt Ion:164 Resp: 106383

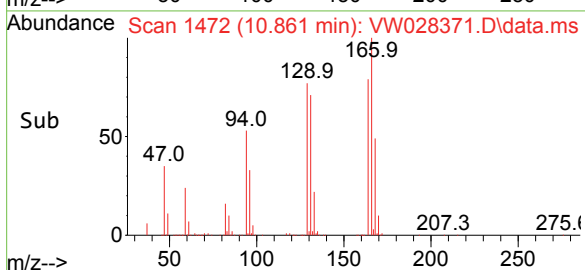
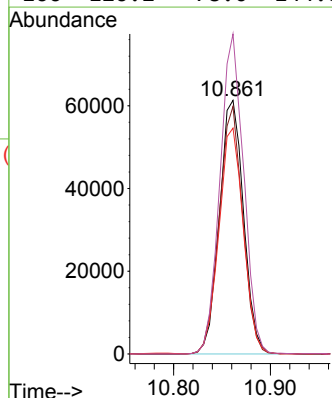
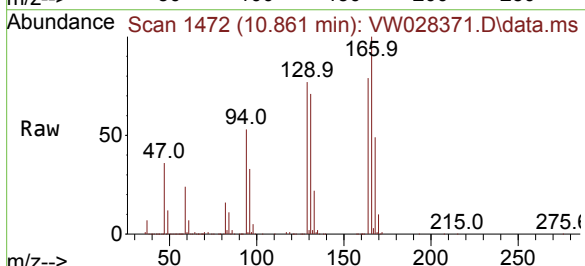
Ion Ratio Lower Upper

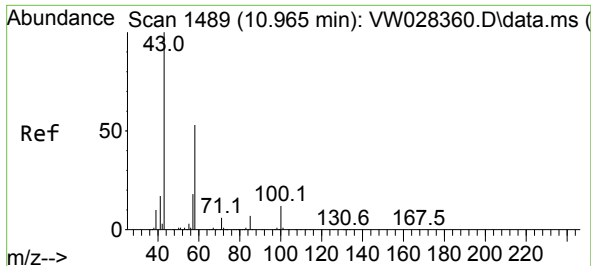
164 100

129 97.6 59.7 110.9

131 89.1 58.2 108.2

166 126.2 78.0 144.8

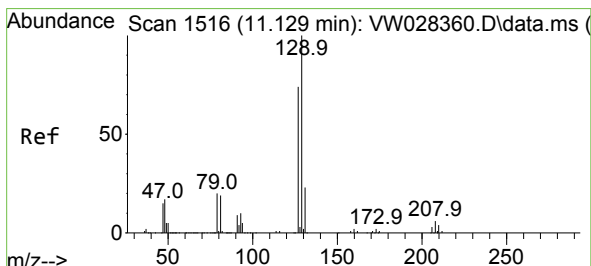
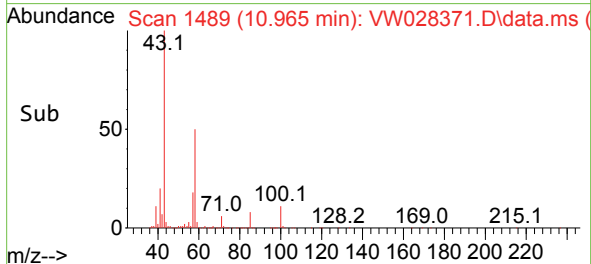
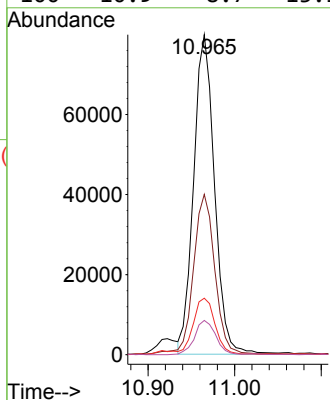
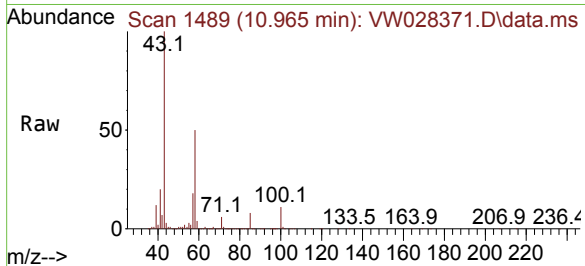




#48  
2-Hexanone  
Concen: 47.232 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

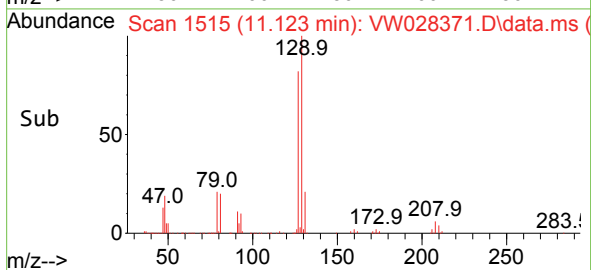
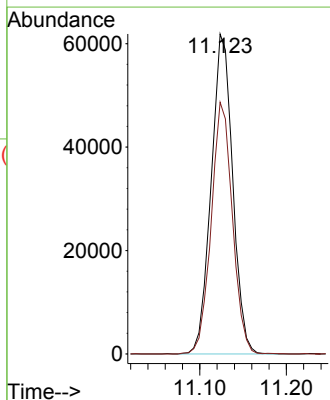
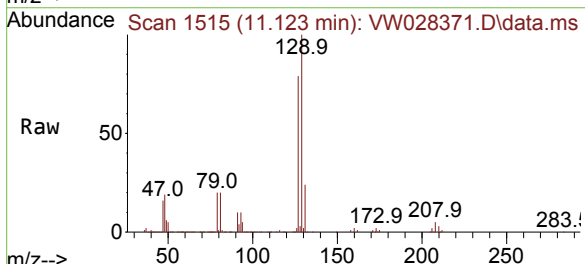
Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

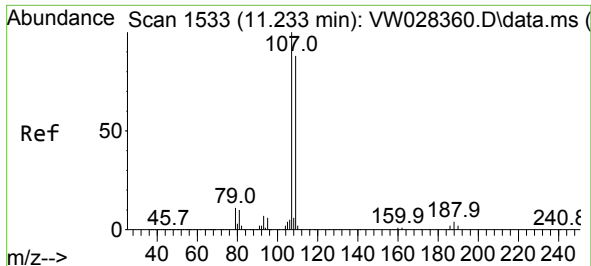
Tgt Ion: 43 Resp: 133733  
Ion Ratio Lower Upper  
43 100  
58 51.5 38.9 58.3  
57 18.3 14.4 21.6  
100 10.9 8.7 13.1



#49  
Dibromochloromethane  
Concen: 20.682 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. -0.006 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion: 129 Resp: 106567  
Ion Ratio Lower Upper  
129 100  
127 78.7 53.0 98.4

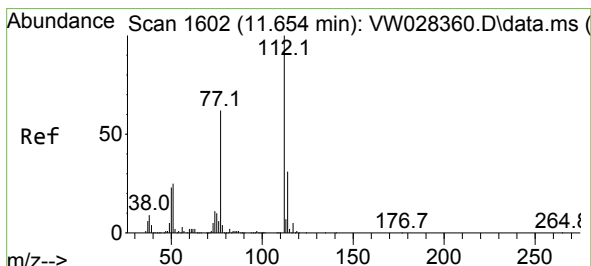
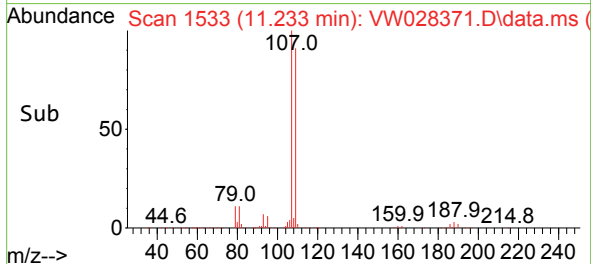
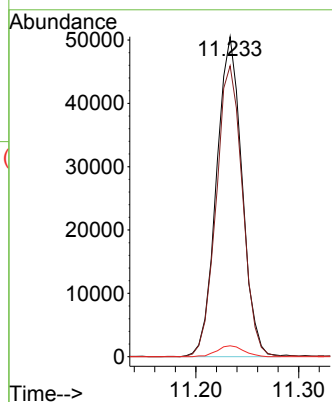
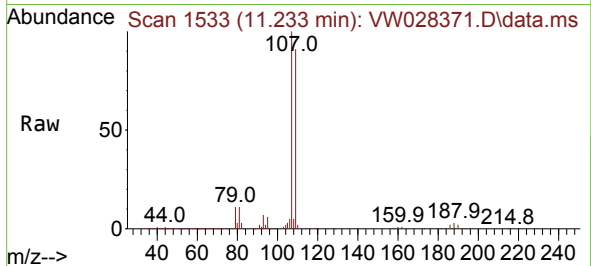




#50  
1,2-Dibromoethane  
Concen: 19.828 ug/L  
RT: 11.233 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

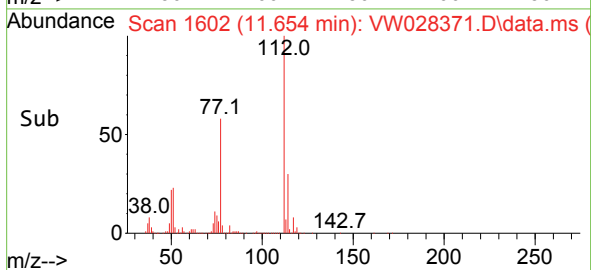
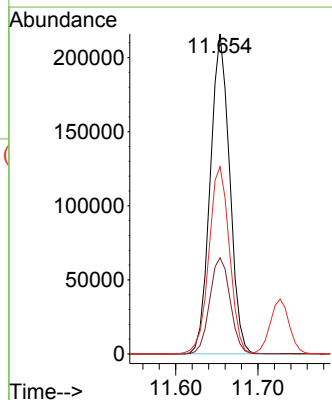
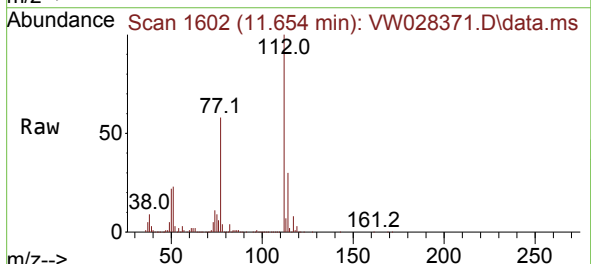
Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

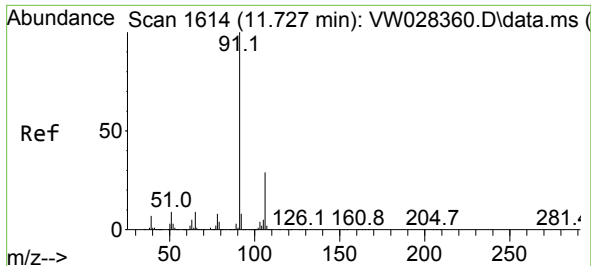
Tgt Ion:107 Resp: 87242  
Ion Ratio Lower Upper  
107 100  
109 90.9 62.1 115.3  
188 3.4 3.2 4.8



#51  
Chlorobenzene  
Concen: 19.619 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion:112 Resp: 353197  
Ion Ratio Lower Upper  
112 100  
114 30.1 22.3 41.3  
77 58.5 51.8 77.8

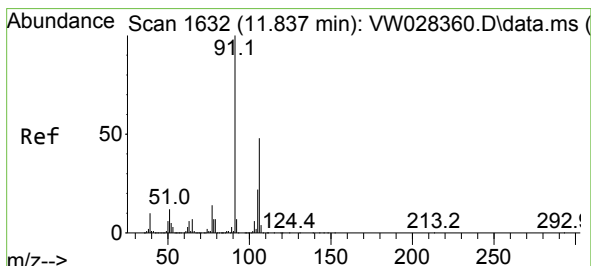
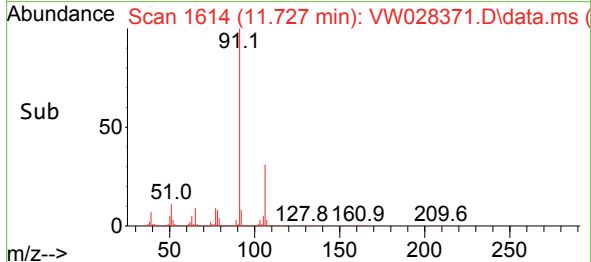
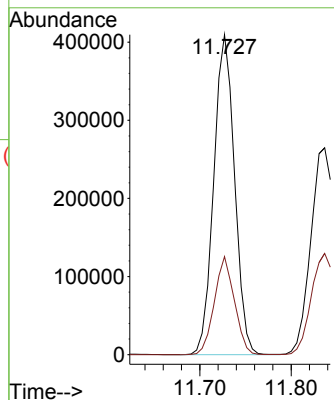
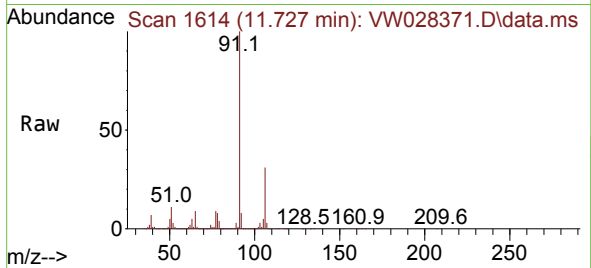




#52  
Ethylbenzene  
Concen: 19.747 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

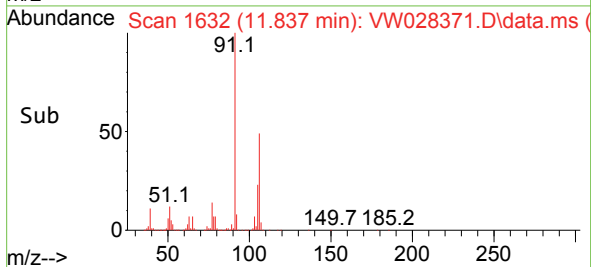
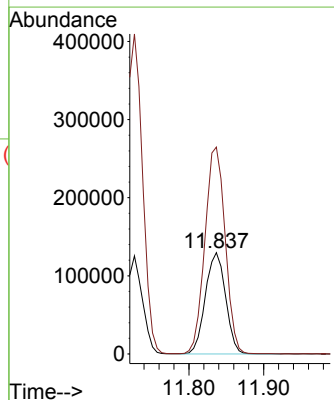
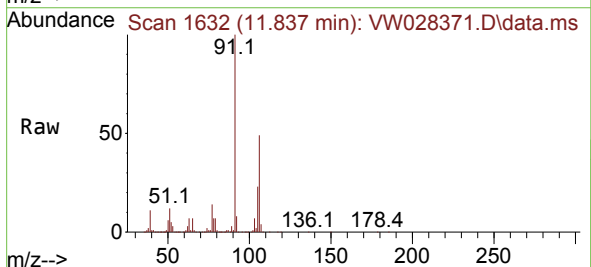
Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

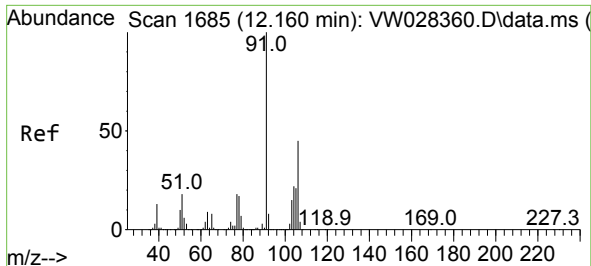
Tgt Ion: 91 Resp: 648321  
Ion Ratio Lower Upper  
91 100  
106 30.7 21.2 39.4



#53  
m,p-Xylene  
Concen: 20.002 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion: 106 Resp: 244214  
Ion Ratio Lower Upper  
106 100  
91 204.1 152.4 283.0

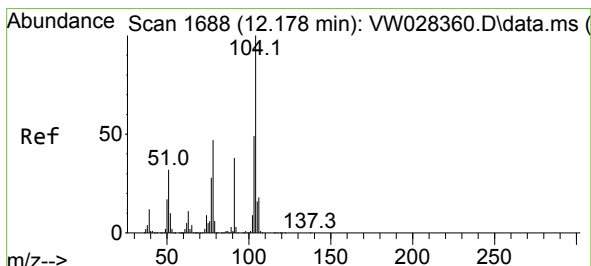
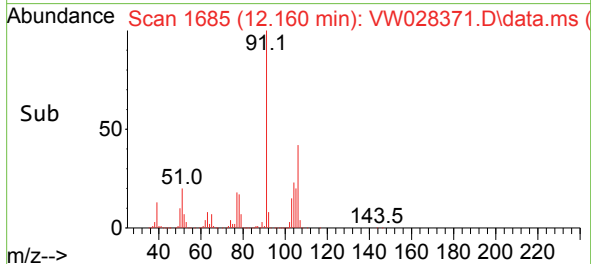
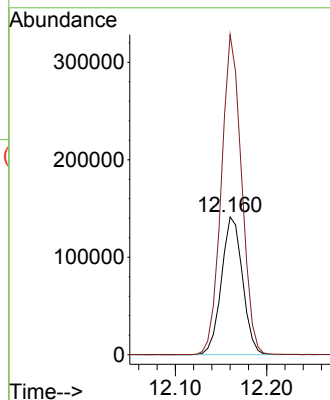
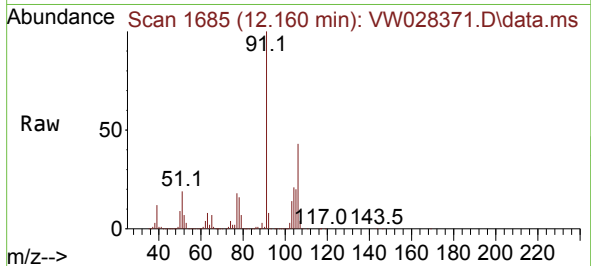




#54  
o-Xylene  
Concen: 19.938 ug/L  
RT: 12.160 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

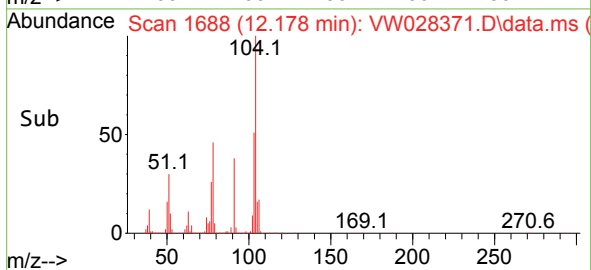
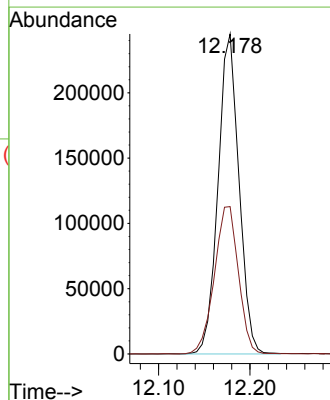
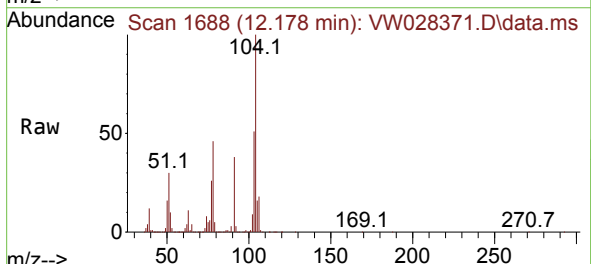
Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

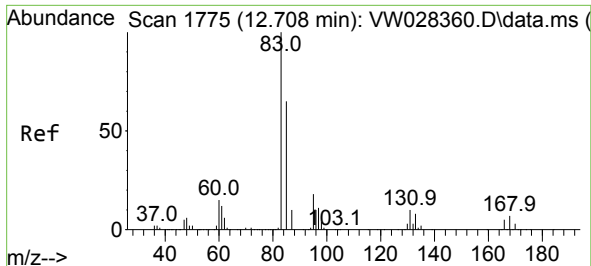
Tgt Ion:106 Resp: 226664  
Ion Ratio Lower Upper  
106 100  
91 232.2 152.9 283.9



#55  
Styrene  
Concen: 20.145 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion:104 Resp: 389774  
Ion Ratio Lower Upper  
104 100  
78 46.0 33.8 62.8





#57

1,1,2,2-Tetrachloroethane

Concen: 20.426 ug/L

RT: 12.709 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

Instrument :

MSVOA\_W

ClientSampleId :

E1CY1MS

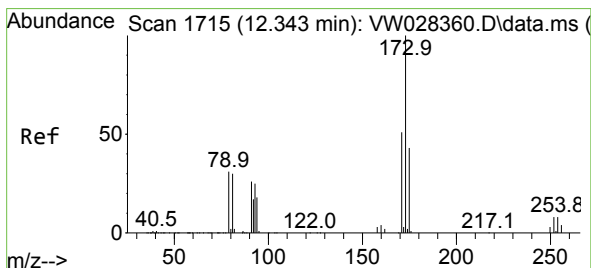
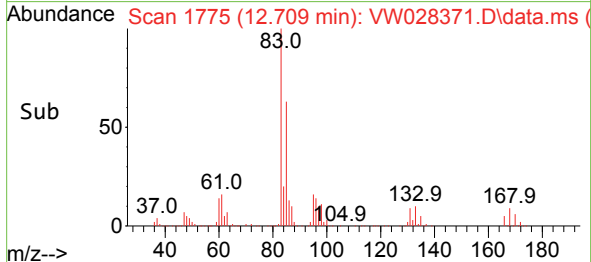
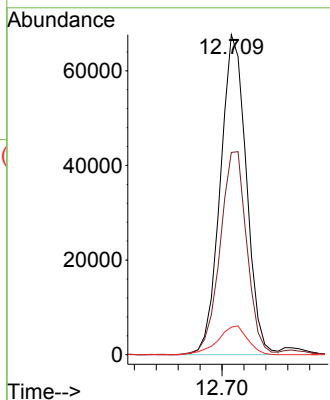
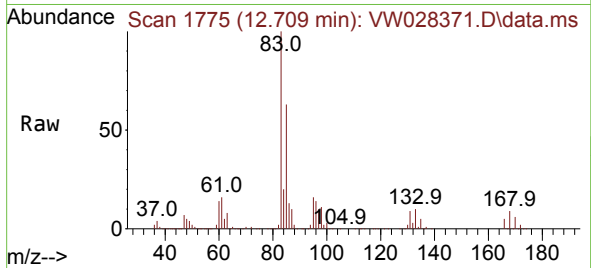
Tgt Ion: 83 Resp: 111438

Ion Ratio Lower Upper

83 100

85 63.2 43.4 80.6

131 8.6 8.0 12.0



#59

Bromoform

Concen: 21.372 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

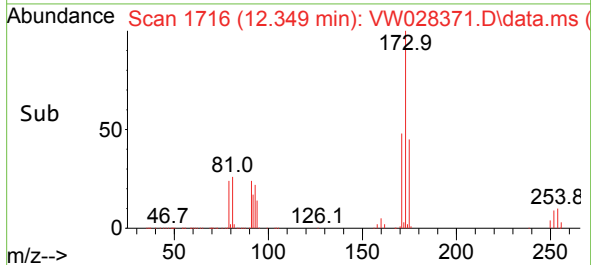
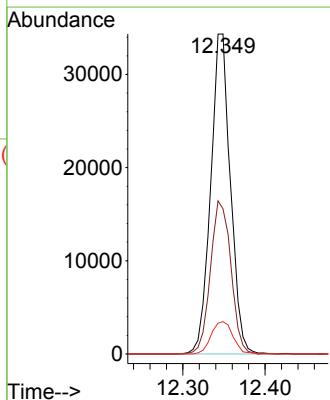
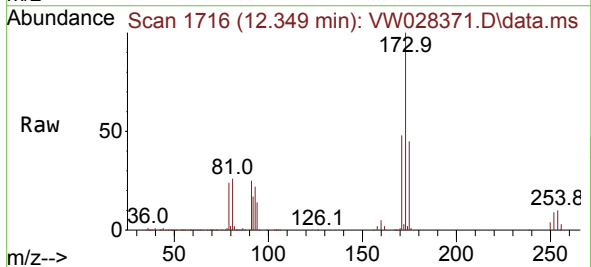
Tgt Ion:173 Resp: 57361

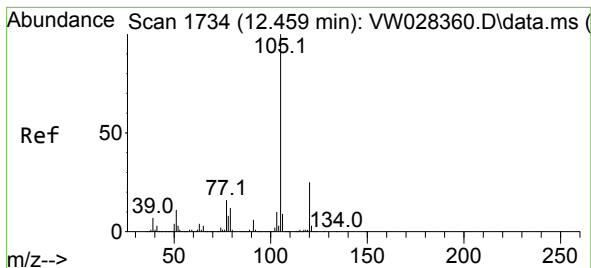
Ion Ratio Lower Upper

173 100

175 49.6 39.2 58.8

254 11.1 8.3 12.5





#60

Isopropylbenzene

Concen: 21.108 ug/L

RT: 12.459 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

Instrument :

MSVOA\_W

ClientSampleId :

E1CY1MS

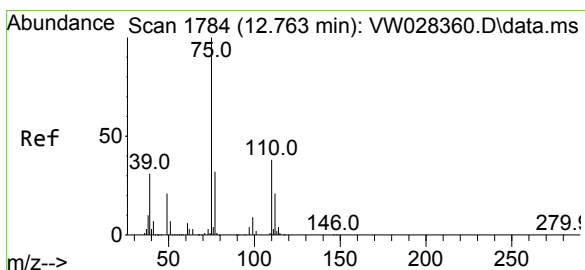
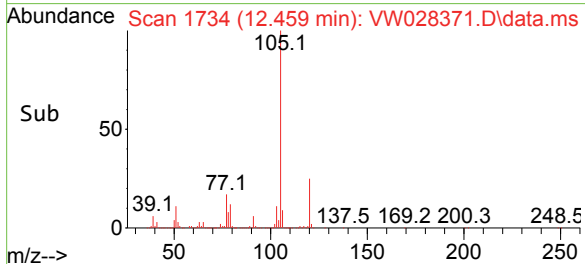
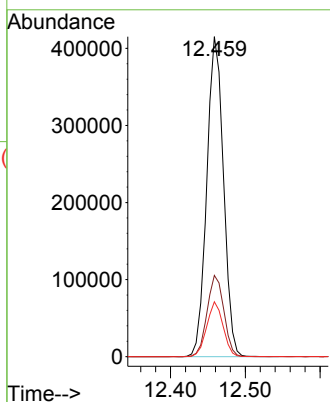
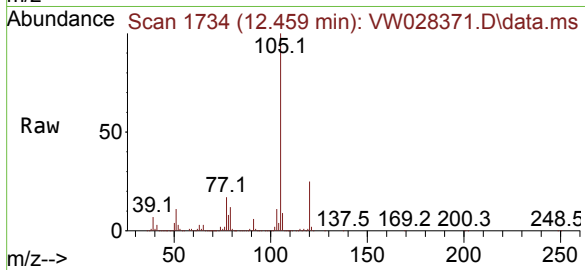
Tgt Ion:105 Resp: 643424

Ion Ratio Lower Upper

105 100

120 25.6 20.8 31.2

77 16.8 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 21.394 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

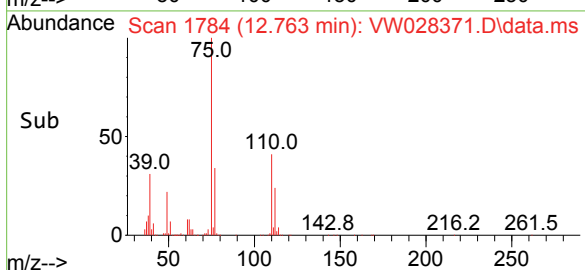
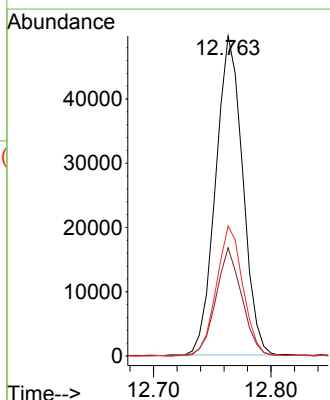
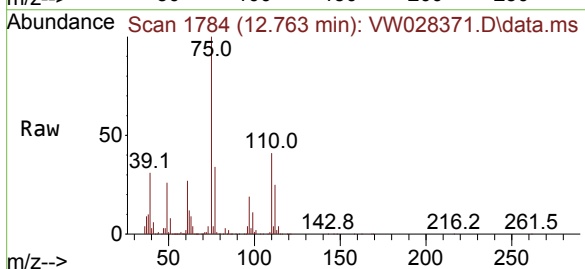
Tgt Ion: 75 Resp: 79528

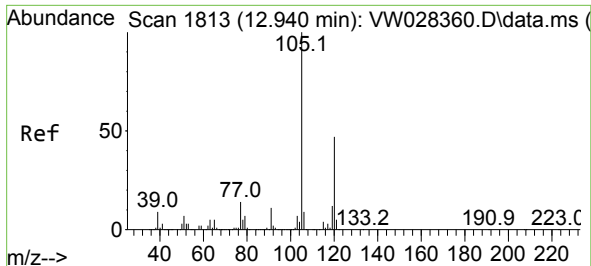
Ion Ratio Lower Upper

75 100

77 32.7 26.1 39.1

110 39.9 30.6 46.0

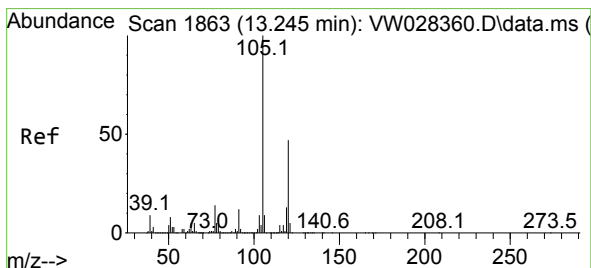
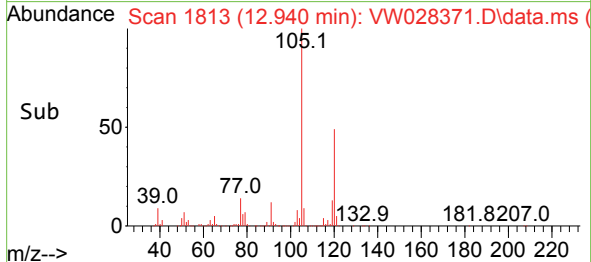
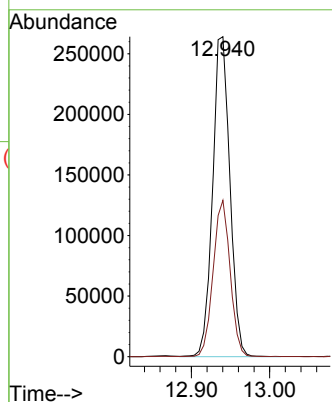
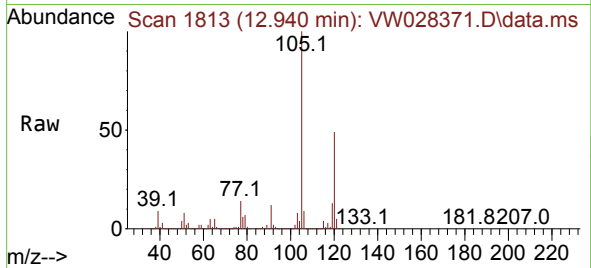




#62  
1,3,5-Trimethylbenzene  
Concen: 20.841 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

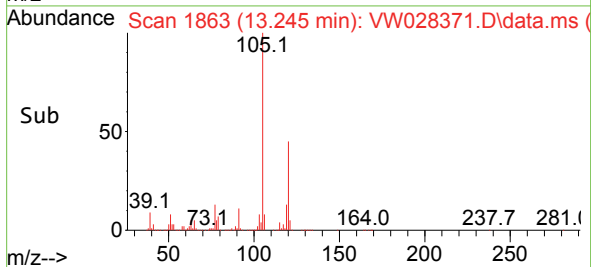
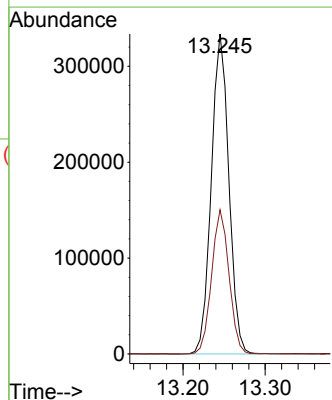
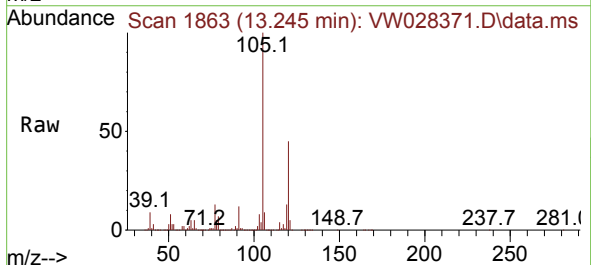
Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

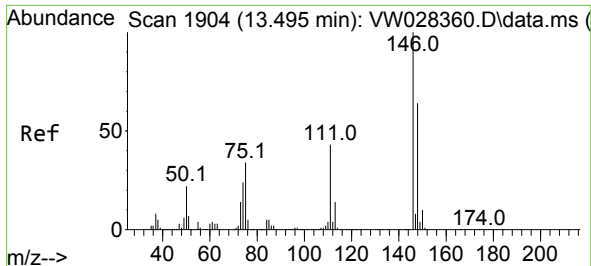
Tgt Ion:105 Resp: 404894  
Ion Ratio Lower Upper  
105 100  
120 48.1 37.5 56.3



#63  
1,2,4-Trimethylbenzene  
Concen: 21.212 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion:105 Resp: 495964  
Ion Ratio Lower Upper  
105 100  
120 44.7 35.4 53.0

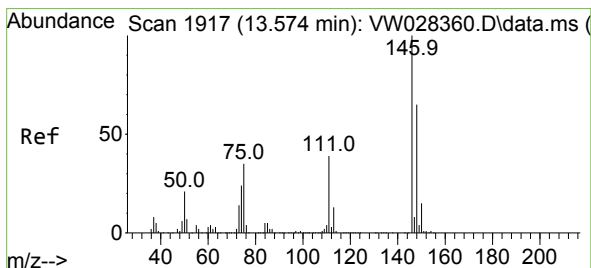
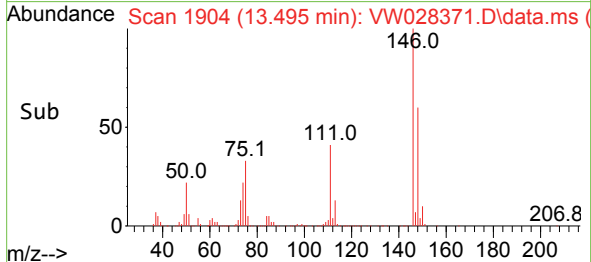
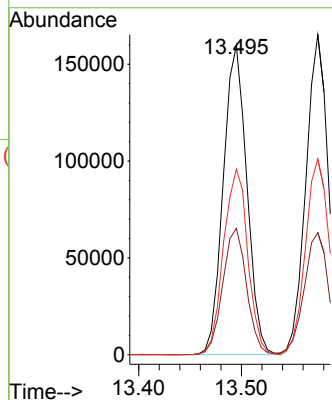
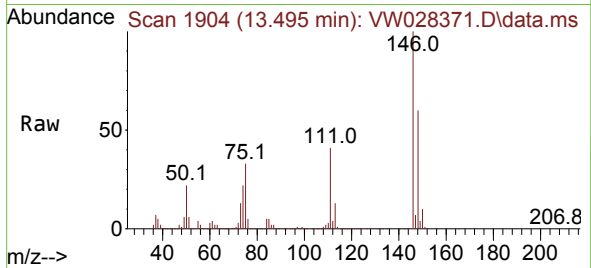




#64  
1,3-Dichlorobenzene  
Concen: 19.689 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

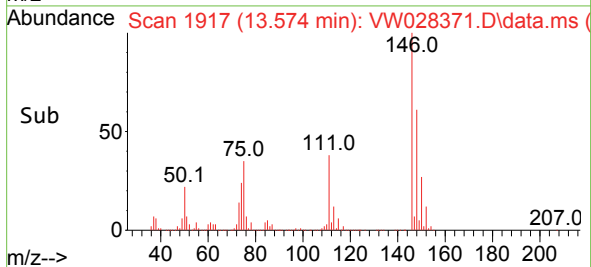
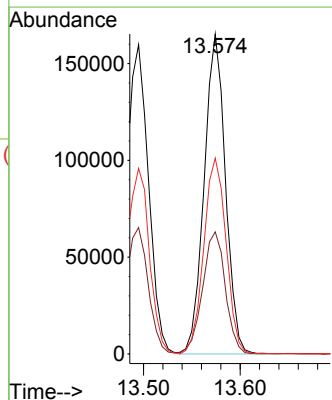
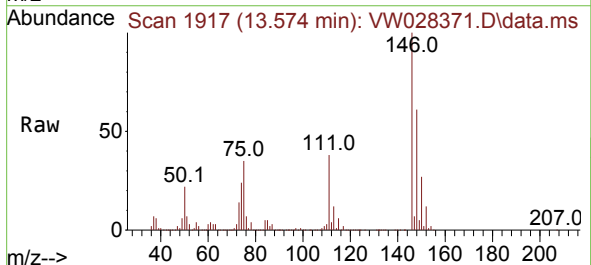
Instrument :  
MSVOA\_W  
ClientSampleId :  
E1CY1MS

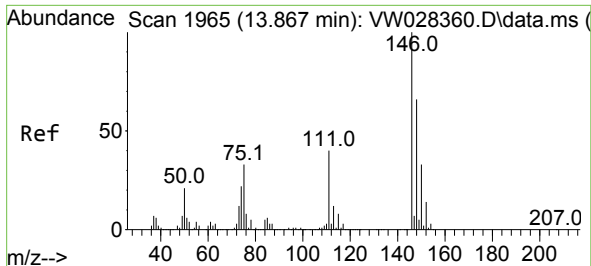
Tgt Ion:146 Resp: 254654  
Ion Ratio Lower Upper  
146 100  
111 40.9 29.8 55.3  
148 60.0 47.3 87.8



#65  
1,4-Dichlorobenzene  
Concen: 19.239 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VW028371.D  
Acq: 09 Apr 2024 18:15

Tgt Ion:146 Resp: 253120  
Ion Ratio Lower Upper  
146 100  
111 38.1 30.3 56.3  
148 61.2 47.3 87.8





#67

1,2-Dichlorobenzene

Concen: 19.936 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

Instrument :

MSVOA\_W

ClientSampleId :

E1CY1MS

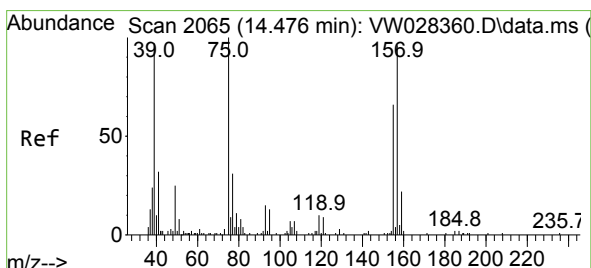
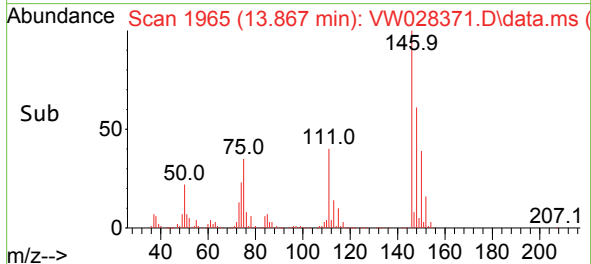
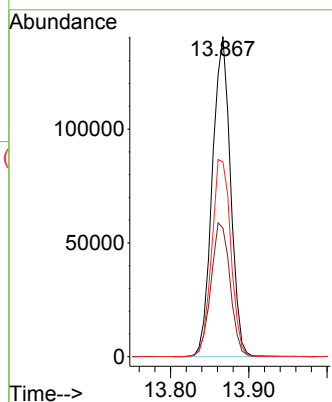
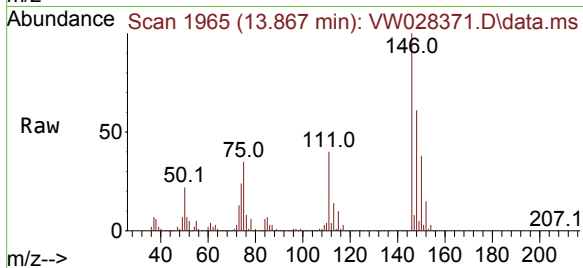
Tgt Ion:146 Resp: 226813

Ion Ratio Lower Upper

146 100

111 40.2 31.4 47.2

148 60.9 46.4 69.6



#68

1,2-Dibromo-3-chloropropane

Concen: 19.771 ug/L

RT: 14.477 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

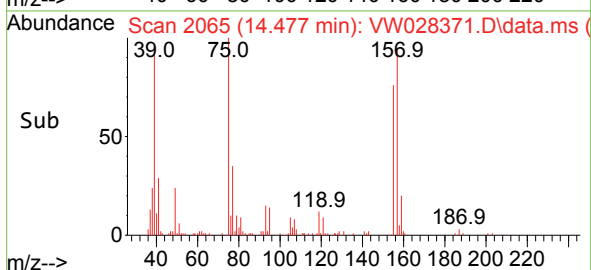
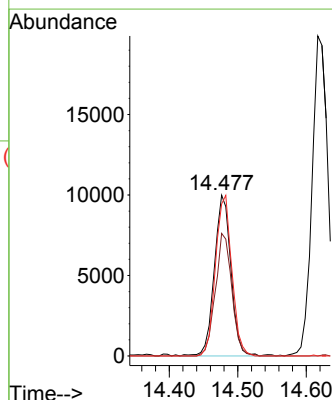
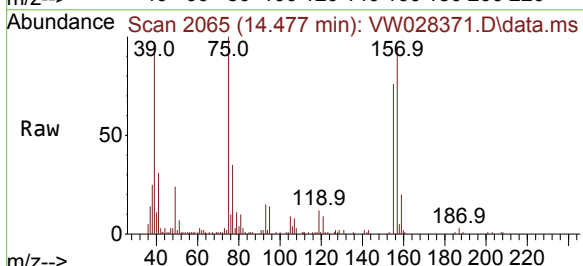
Tgt Ion: 75 Resp: 16841

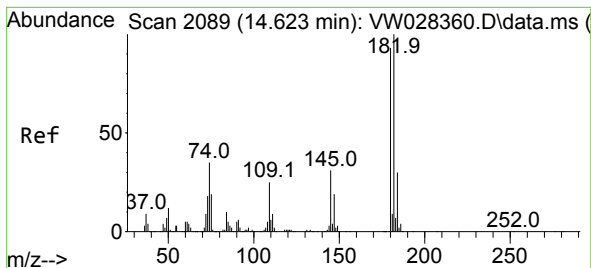
Ion Ratio Lower Upper

75 100

155 76.2 61.2 91.8

157 94.6 73.3 109.9





#69

1,3,5-Trichlorobenzene

Concen: 17.784 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

Instrument :

MSVOA\_W

ClientSampleId :

E1CY1MS

Tgt Ion:180 Resp: 158278

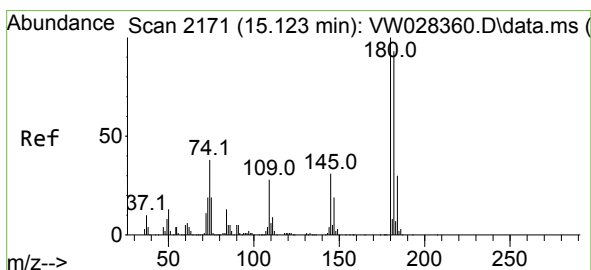
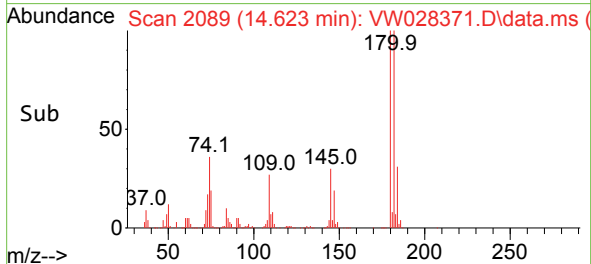
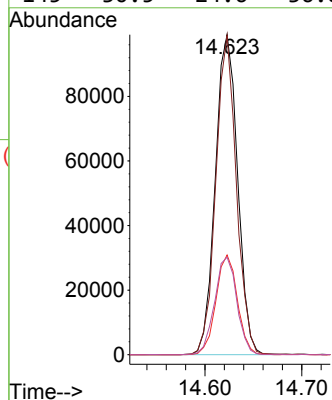
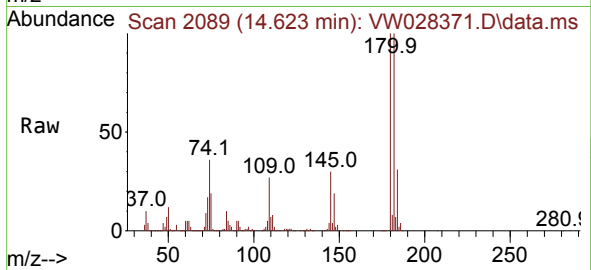
Ion Ratio Lower Upper

180 100

182 92.3 77.4 116.0

184 30.1 24.8 37.2

145 30.5 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 17.444 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

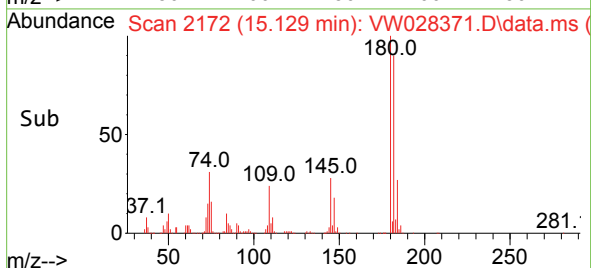
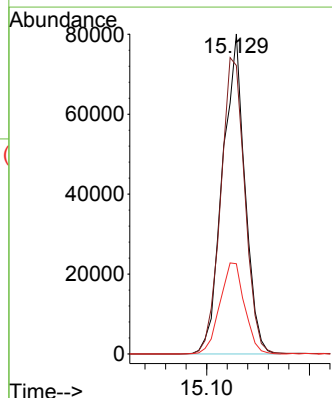
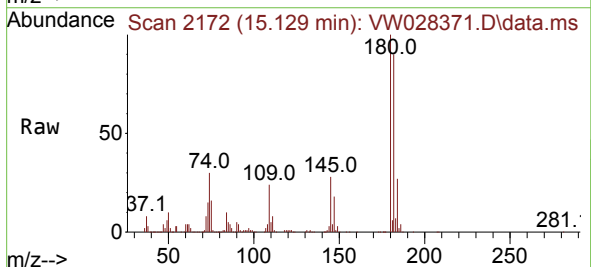
Tgt Ion:180 Resp: 121241

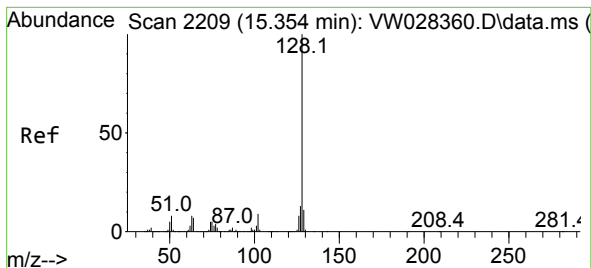
Ion Ratio Lower Upper

180 100

182 99.6 71.5 107.3

145 31.3 23.5 35.3





#71

Naphthalene

Concen: 20.303 ug/L

RT: 15.354 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

Instrument :

MSVOA\_W

ClientSampleId :

E1CY1MS

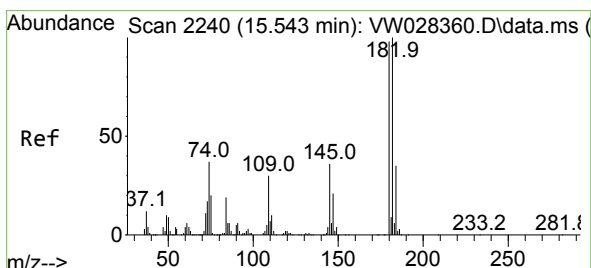
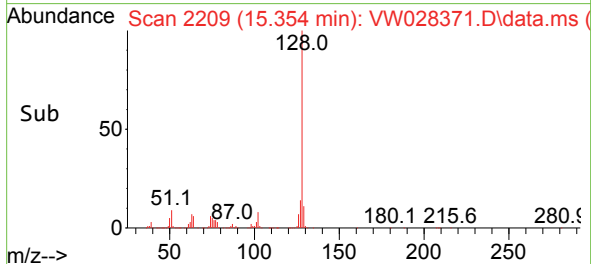
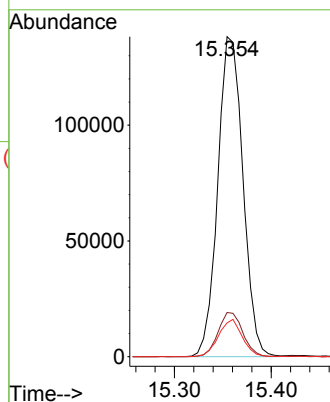
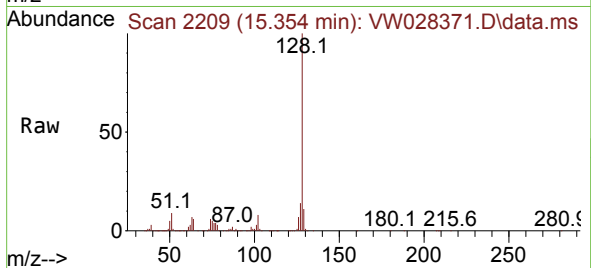
Tgt Ion:128 Resp: 249739

Ion Ratio Lower Upper

128 100

127 13.7 10.7 16.1

129 11.0 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 17.119 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW028371.D

Acq: 09 Apr 2024 18:15

Tgt Ion:180 Resp: 105581

Ion Ratio Lower Upper

180 100

182 91.7 75.7 113.5

145 34.4 26.2 39.4

