

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL091922\  
 Data File : VL039633.D  
 Acq On : 19 Sep 2022 13:43  
 Operator : SY/AP  
 Sample : VSTDIC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Quant Time: Sep 20 07:55:31 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Sep 19 14:26:28 2022  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.211  | 49   | 1055844  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.671  | 114  | 2777788  | 10.000 | ppbv  | 0.01     |
| 55) Chlorobenzene-d5    | 11.481 | 117  | 2828663  | 10.000 | ppbv  | 0.01     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.789 | 95    | 2078713  | 9.844    | ppbv | 0.01    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.400% |

| Target Compounds              |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.754 | 85  | 1131400 | 9.243  | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 2.700 | 51  | 1774532 | 14.163 | ppbv   | 97     |
| 4) Chloromethane              | 2.835 | 50  | 1097564 | 14.516 | ppbv   | 100    |
| 5) Vinyl Chloride             | 2.944 | 62  | 968690  | 15.370 | ppbv   | 98     |
| 6) Bromomethane               | 3.144 | 94  | 359722  | 15.477 | ppbv   | 97     |
| 7) Chloroethane               | 3.224 | 64  | 356456  | 15.465 | ppbv   | 97     |
| 8) Dichlorotetrafluoroethane  | 2.880 | 85  | 1647339 | 11.219 | ppbv   | 94     |
| 9) Propene                    | 2.716 | 41  | 857243  | 14.980 | ppbv   | 96     |
| 10) Heptane                   | 7.597 | 43  | 2179285 | 16.319 | ppbv   | 98     |
| 11) Trichlorofluoromethane    | 3.587 | 101 | 2279484 | 15.037 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluo... | 4.089 | 101 | 1703707 | 14.880 | ppbv   | 96     |
| 13) Ethanol                   | 3.269 | 45  | 24911   | 5.713  | ppbv # | 43     |
| 14) Bromoethene               | 3.391 | 108 | 712561  | 15.589 | ppbv   | 98     |
| 15) Acetone                   | 3.491 | 43  | 1700664 | 14.475 | ppbv   | 100    |
| 16) 1,3-Butadiene             | 3.008 | 39  | 946288  | 15.877 | ppbv   | 98     |
| 17) tert-Butyl alcohol        | 3.899 | 59  | 1499473 | 14.222 | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 3.902 | 96  | 764308  | 15.172 | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 3.594 | 45  | 870542  | 14.536 | ppbv # | 97     |
| 20) Methylene Chloride        | 3.954 | 84  | 679330  | 12.506 | ppbv   | 96     |
| 21) Allyl Chloride            | 4.018 | 41  | 1215727 | 15.196 | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene  | 4.465 | 96  | 776715  | 15.586 | ppbv   | 95     |
| 23) Vinyl Acetate             | 4.648 | 43  | 788051  | 14.838 | ppbv   | 98     |
| 24) 1,1-Dichloroethane        | 4.584 | 63  | 1577566 | 14.916 | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.224 | 43  | 3842418 | 14.998 | ppbv   | 100    |
| 26) Hexane                    | 5.230 | 57  | 1618054 | 14.883 | ppbv   | 99     |
| 27) Carbon Disulfide          | 4.143 | 76  | 1956788 | 17.126 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 4.606 | 73  | 1348122 | 14.760 | ppbv   | 98     |
| 29) Chloroform                | 5.295 | 83  | 2387397 | 15.211 | ppbv   | 100    |
| 30) Cyclohexane               | 6.619 | 84  | 1330322 | 15.801 | ppbv   | 97     |
| 31) cis-1,2-Dichloroethene    | 5.098 | 61  | 1574894 | 16.016 | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane     | 6.021 | 97  | 2347326 | 16.520 | ppbv   | 99     |
| 34) 2-Butanone                | 4.806 | 43  | 2168552 | 15.894 | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 6.510 | 117 | 2496006 | 16.926 | ppbv   | 100    |
| 36) Benzene                   | 6.388 | 78  | 3315755 | 15.613 | ppbv   | 96     |
| 37) 1,2-Dichloroethane        | 5.825 | 62  | 1822178 | 15.765 | ppbv   | 99     |
| 38) Trichloroethene           | 7.307 | 130 | 1910312 | 16.644 | ppbv   | 99     |
| 39) 1,2-Dichloropropane       | 7.089 | 63  | 1283018 | 15.645 | ppbv   | 98     |
| 40) 1,4-Dioxane               | 7.304 | 88  | 498145  | 14.877 | ppbv   | 98     |
| 41) Tetrahydrofuran           | 5.574 | 42  | 1387450 | 16.576 | ppbv   | 96     |
| 42) Bromodichloromethane      | 7.266 | 83  | 2611194 | 16.242 | ppbv   | 97     |
| 43) Methyl Methacrylate       | 7.494 | 69  | 1326153 | 17.130 | ppbv   | 97     |
| 44) 2,2,4-Trimethylpentane    | 7.343 | 57  | 5507570 | 15.046 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 8.722 | 75  | 1344811 | 20.557 | ppbv   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL091922\  
 Data File : VL039633.D  
 Acq On : 19 Sep 2022 13:43  
 Operator : SY/AP  
 Sample : VSTDICC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC015

Quant Time: Sep 20 07:55:31 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Sep 19 14:26:28 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.159  | 75   | 1771987  | 19.027 | ppbv   | 99       |
| 47) 1,1,2-Trichloroethane     | 8.912  | 97   | 1400822  | 15.628 | ppbv   | 98       |
| 48) Dibromochloromethane      | 9.722  | 129  | 2369242  | 17.553 | ppbv   | 100      |
| 49) Bromoform                 | 12.420 | 173  | 2021127  | 18.104 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.195  | 43   | 3573955  | 16.670 | ppbv   | 98       |
| 51) 2-Hexanone                | 9.564  | 43   | 2838761  | 17.887 | ppbv   | 99       |
| 52) Tetrachloroethene         | 10.629 | 164  | 1260271  | 15.555 | ppbv   | 97       |
| 53) Toluene                   | 9.233  | 91   | 3965528  | 16.789 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.024 | 107  | 1653038  | 17.238 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 11.523 | 131  | 1678426  | 14.683 | ppbv # | 92       |
| 57) Chlorobenzene             | 11.539 | 112  | 2955639  | 14.209 | ppbv   | 98       |
| 58) Ethyl Benzene             | 12.101 | 91   | 5158681  | 15.817 | ppbv   | 99       |
| 59) m/p-Xylene                | 12.388 | 91   | 4421176  | 15.232 | ppbv # | 30       |
| 60) o-Xylene                  | 13.072 | 91   | 4169775  | 15.044 | ppbv   | 99       |
| 61) Styrene                   | 12.912 | 104  | 2596163  | 17.392 | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.043 | 105  | 6037212  | 14.475 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.060 | 83   | 1595577  | 14.432 | ppbv   | 100      |
| 64) n-propylbenzene           | 14.934 | 120  | 1617891  | 15.148 | ppbv   | 98       |
| 65) tert-Butylbenzene         | 16.104 | 119  | 5310193  | 14.411 | ppbv   | 100      |
| 66) Benzyl Chloride           | 16.339 | 91   | 531916   | 18.130 | ppbv   | 100      |
| 67) sec-Butylbenzene          | 16.651 | 105  | 7380826  | 14.281 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 17.011 | 119  | 6169627  | 14.527 | ppbv   | 100      |
| 70) n-Butylbenzene            | 17.902 | 91   | 6167811  | 14.815 | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 14.815 | 91   | 4469767  | 14.843 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.207 | 105  | 4863486  | 15.370 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 15.365 | 105  | 4388415  | 15.156 | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 16.124 | 105  | 4701966  | 14.487 | ppbv   | 99       |
| 75) 1,3-Dichlorobenzene       | 16.342 | 146  | 2860579  | 14.771 | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 16.487 | 146  | 2824251  | 14.578 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 17.156 | 146  | 2707311  | 14.336 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 22.648 | 225  | 1884547  | 13.060 | ppbv   | 99       |
| 79) Naphthalene               | 21.397 | 128  | 3930133  | 18.349 | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 24.387 | 142  | 1715761  | 21.305 | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 21.152 | 180  | 2221844  | 15.793 | ppbv   | 99       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL091922\  
Data File : VL039633.D  
Acq On : 19 Sep 2022 13:43  
Operator : SY/AP  
Sample : VSTDIC015  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

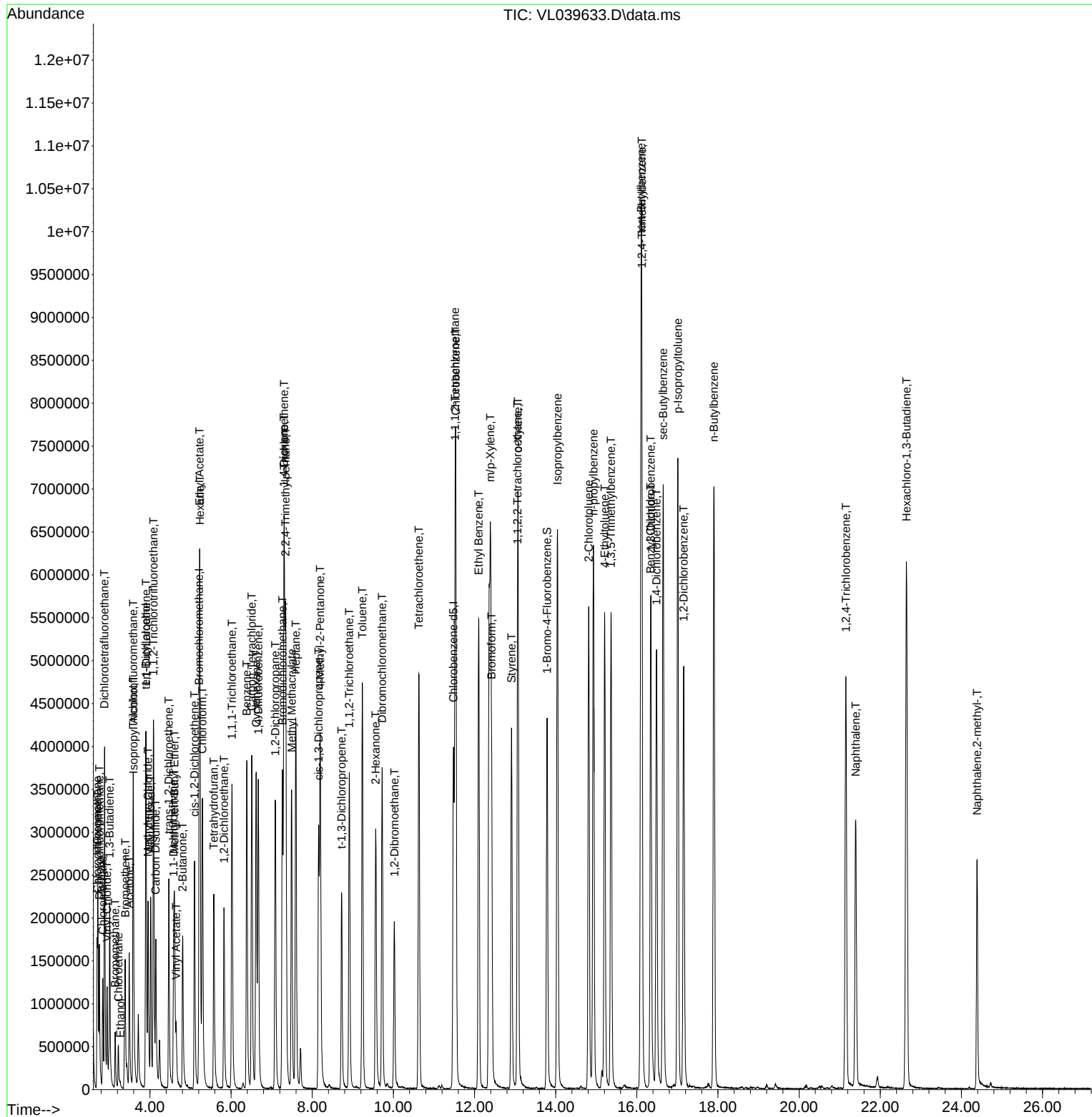
Quant Time: Sep 20 07:55:31 2022

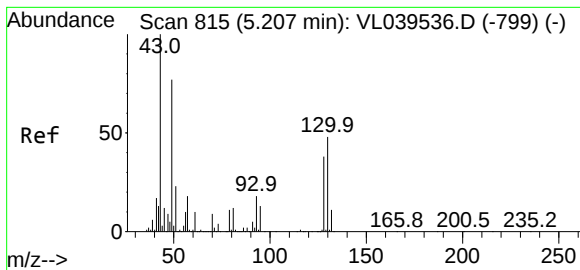
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

QLast Update : Mon Sep 19 14:26:28 2022

Response via : Initial Calibration

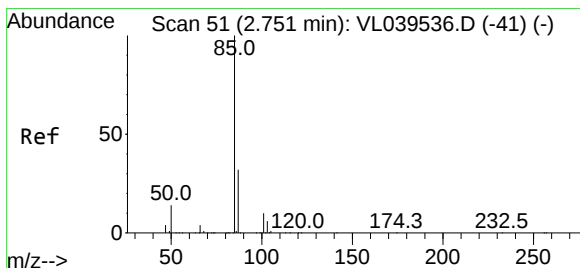
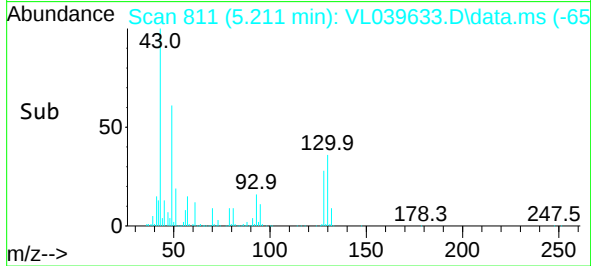
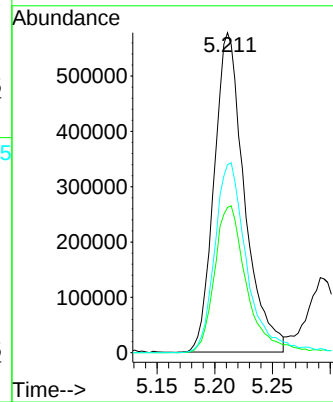
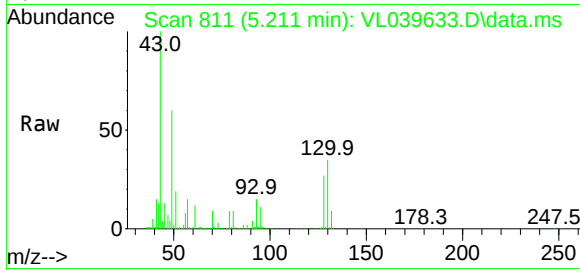




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.211 min Scan# 81  
 Delta R.T. 0.004 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

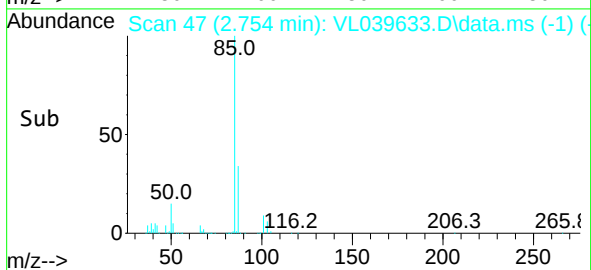
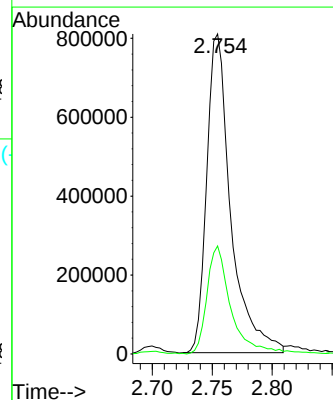
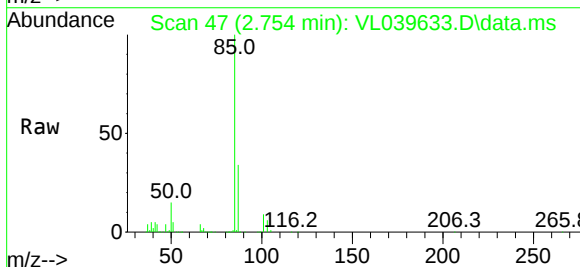
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Tgt Ion: 49 Resp: 1055844  
 Ion Ratio Lower Upper  
 49 100  
 128 49.4 26.7 80.0  
 130 64.0 34.3 102.8



#2  
 Dichlorodifluoromethane  
 Concen: 9.243 ppbv  
 RT: 2.754 min Scan# 47  
 Delta R.T. 0.004 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

Tgt Ion: 85 Resp: 1131400  
 Ion Ratio Lower Upper  
 85 100  
 87 33.7 26.7 40.1

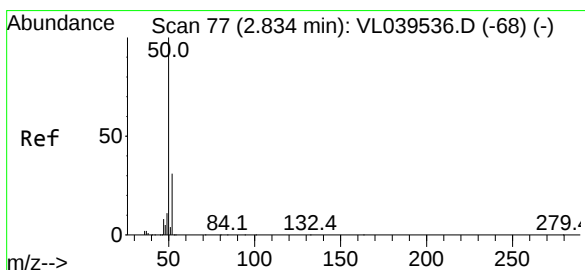
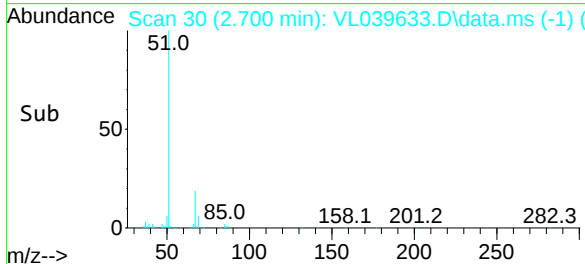
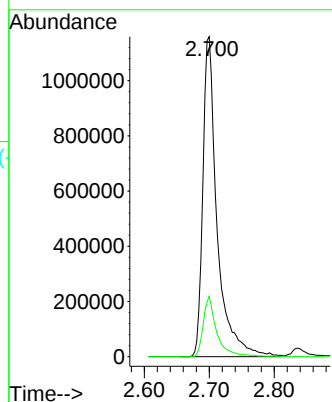
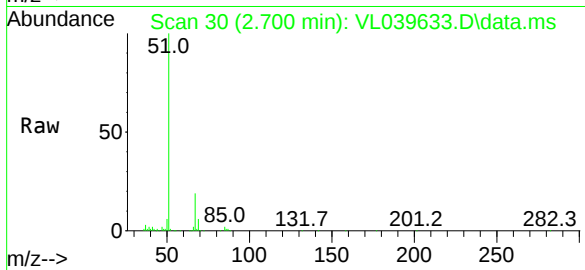




#3  
 Chlorodifluoromethane  
 Concen: 14.163 ppbv  
 RT: 2.700 min Scan# 30  
 Delta R.T. 0.007 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

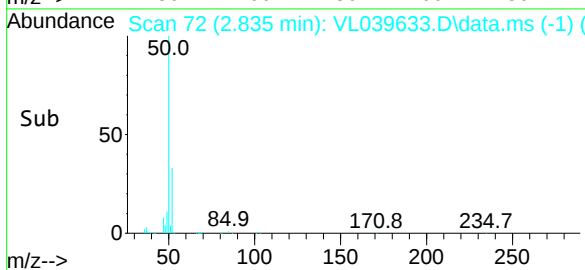
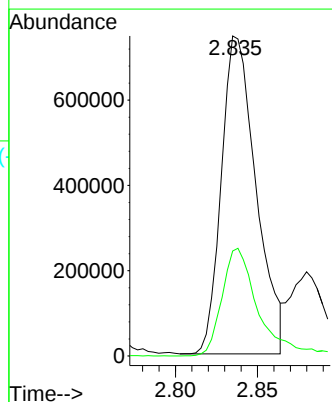
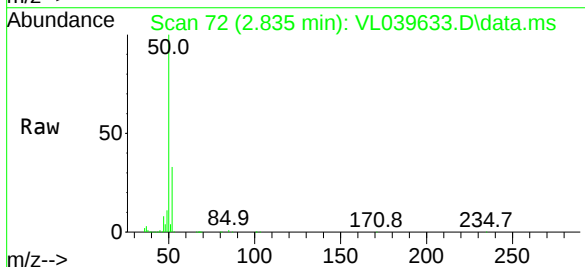
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

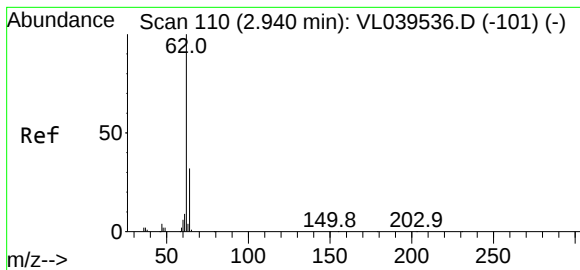
Tgt Ion: 51 Resp: 1774532  
 Ion Ratio Lower Upper  
 51 100  
 67 18.0 15.7 23.5



#4  
 Chloromethane  
 Concen: 14.516 ppbv  
 RT: 2.835 min Scan# 72  
 Delta R.T. 0.001 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

Tgt Ion: 50 Resp: 1097564  
 Ion Ratio Lower Upper  
 50 100  
 52 33.0 26.5 39.7

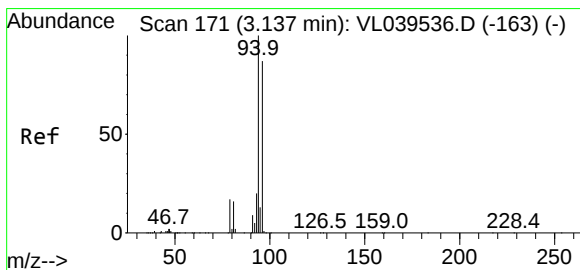
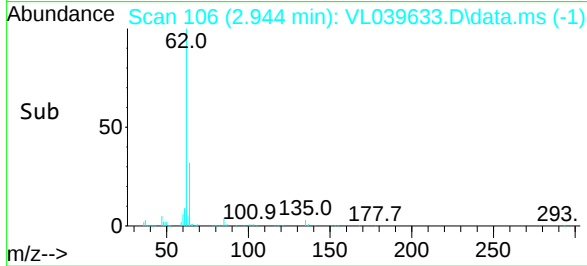
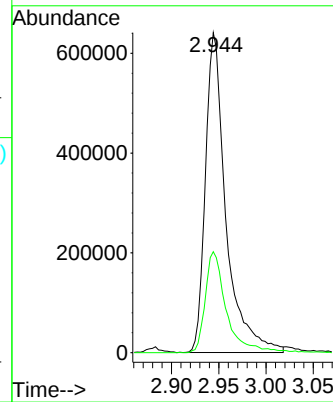
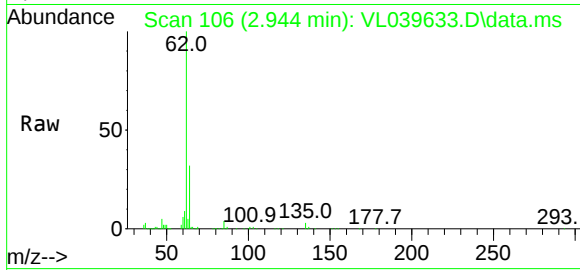




#5  
 Vinyl Chloride  
 Concen: 15.370 ppbv  
 RT: 2.944 min Scan# 106  
 Delta R.T. 0.004 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

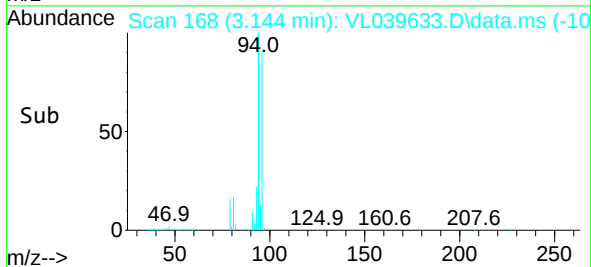
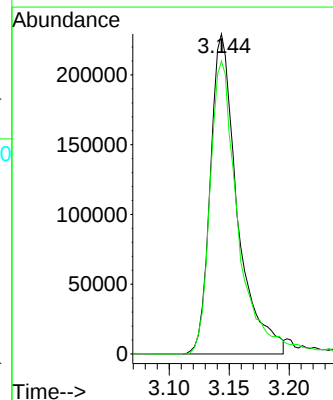
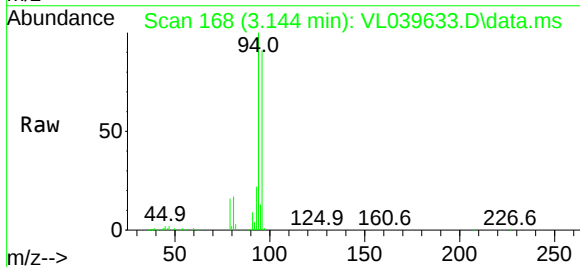
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

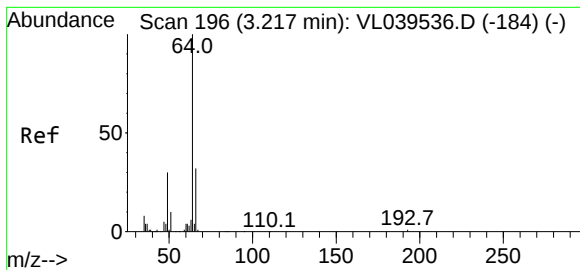
Tgt Ion: 62 Resp: 968690  
 Ion Ratio Lower Upper  
 62 100  
 64 31.6 24.6 36.8



#6  
 Bromomethane  
 Concen: 15.477 ppbv  
 RT: 3.144 min Scan# 168  
 Delta R.T. 0.007 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

Tgt Ion: 94 Resp: 359722  
 Ion Ratio Lower Upper  
 94 100  
 96 91.4 75.6 113.4

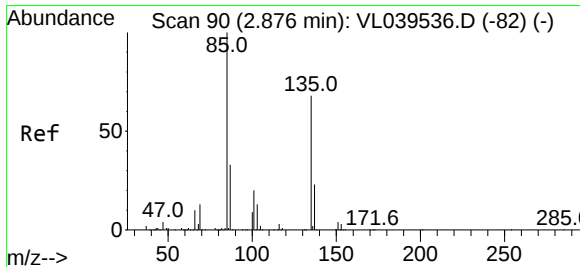
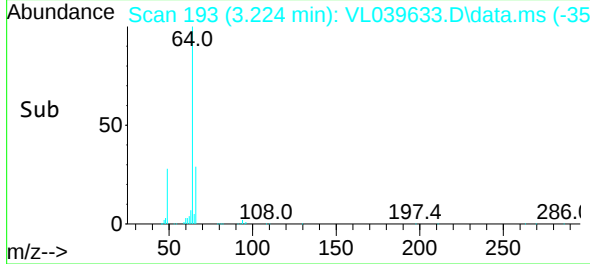
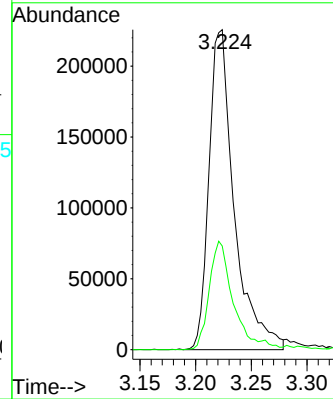
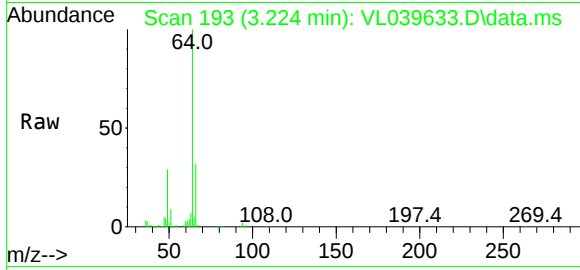




#7  
Chloroethane  
Concen: 15.465 ppbv  
RT: 3.224 min Scan# 196  
Delta R.T. 0.007 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

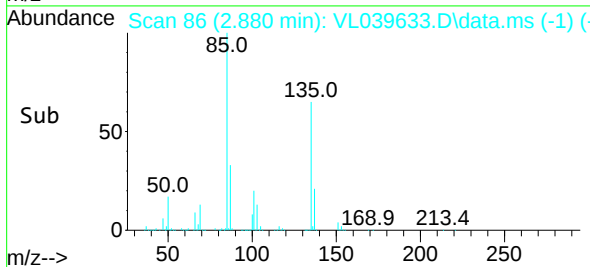
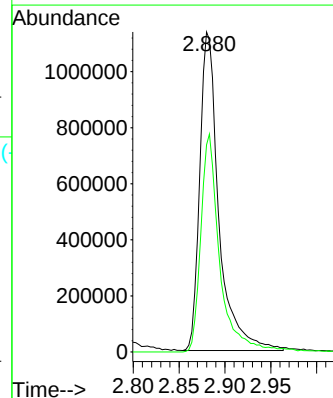
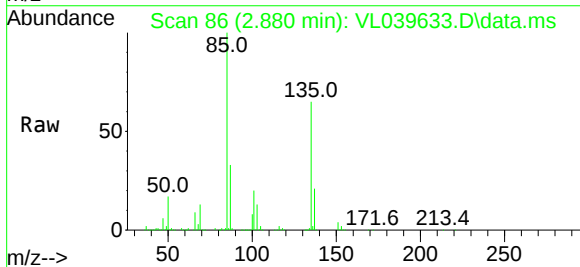
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

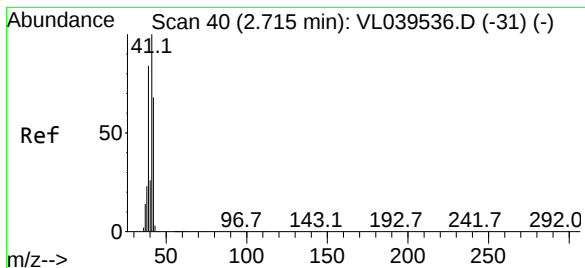
Tgt Ion: 64 Resp: 356456  
Ion Ratio Lower Upper  
64 100  
66 32.4 24.7 37.1



#8  
Dichlorotetrafluoroethane  
Concen: 11.219 ppbv  
RT: 2.880 min Scan# 86  
Delta R.T. 0.004 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

Tgt Ion: 85 Resp: 1647339  
Ion Ratio Lower Upper  
85 100  
135 68.4 59.0 88.4

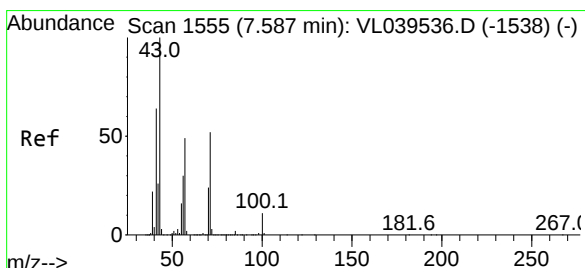
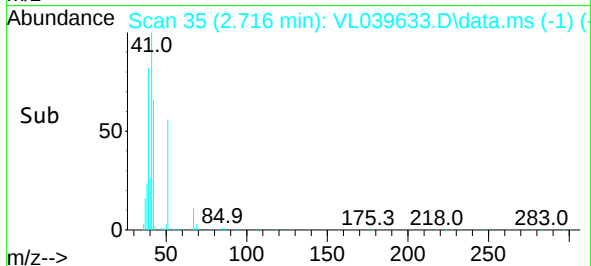
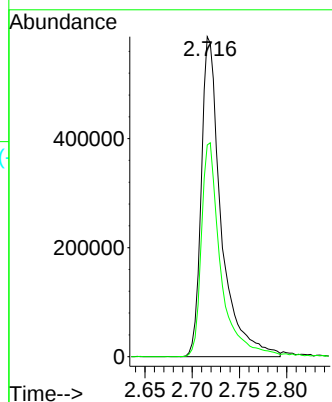
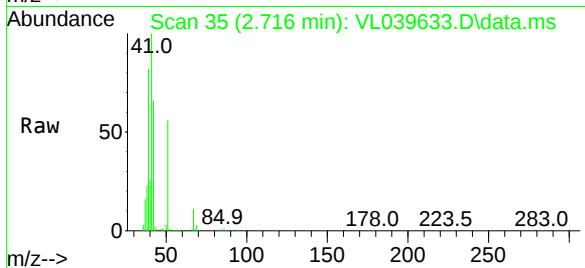




#9  
 Propene  
 Concen: 14.980 ppbv  
 RT: 2.716 min Scan# 31  
 Delta R.T. 0.001 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

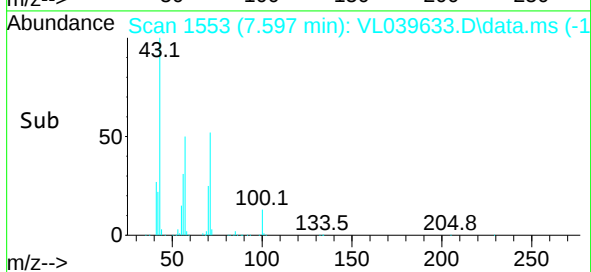
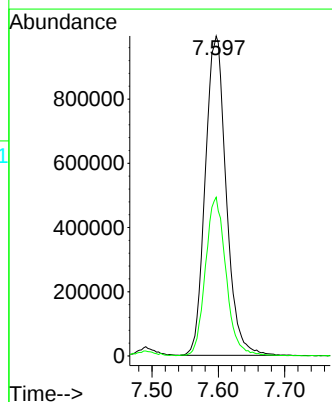
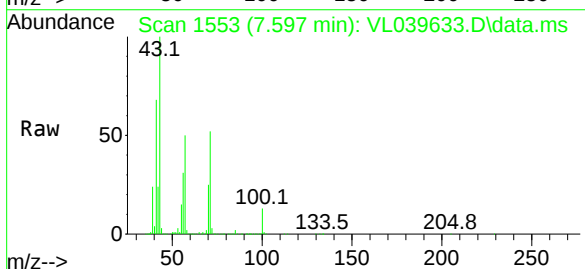
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

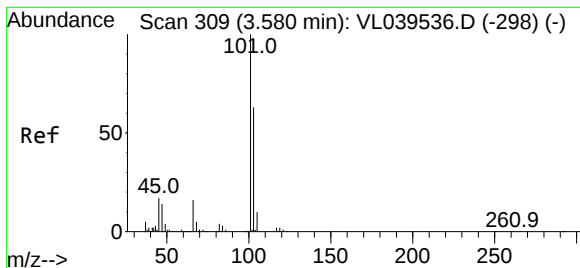
Tgt Ion: 41 Resp: 857243  
 Ion Ratio Lower Upper  
 41 100  
 42 66.1 55.2 82.8



#10  
 Heptane  
 Concen: 16.319 ppbv  
 RT: 7.597 min Scan# 1553  
 Delta R.T. 0.010 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

Tgt Ion: 43 Resp: 2179285  
 Ion Ratio Lower Upper  
 43 100  
 57 49.0 40.5 60.7





#11

Trichlorofluoromethane

Concen: 15.037 ppbv

RT: 3.587 min Scan# 309

Delta R.T. 0.007 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

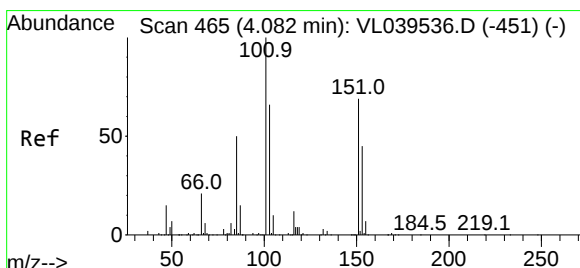
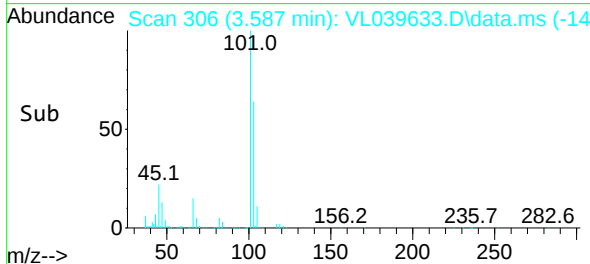
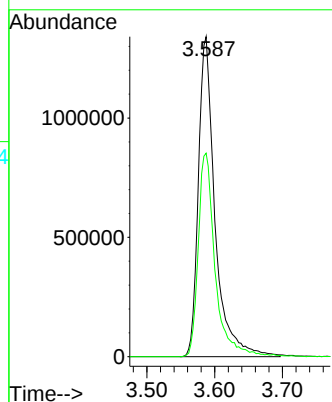
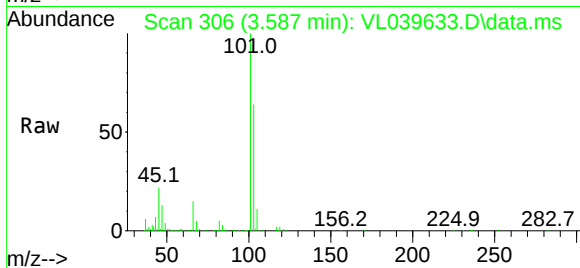
VSTDIC015

Tgt Ion:101 Resp: 2279484

Ion Ratio Lower Upper

101 100

103 63.6 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 14.880 ppbv

RT: 4.089 min Scan# 462

Delta R.T. 0.007 min

Lab File: VL039633.D

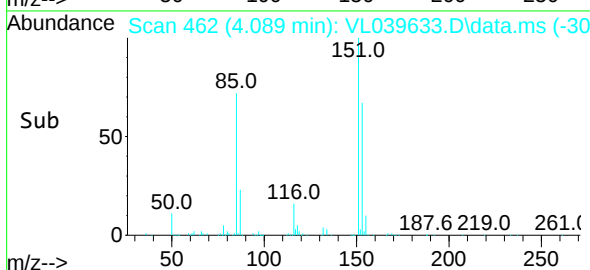
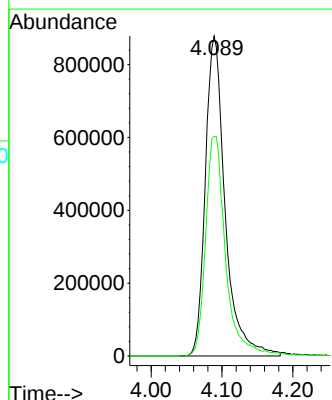
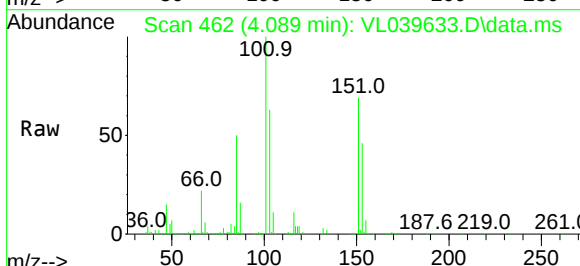
Acq: 19 Sep 2022 13:43

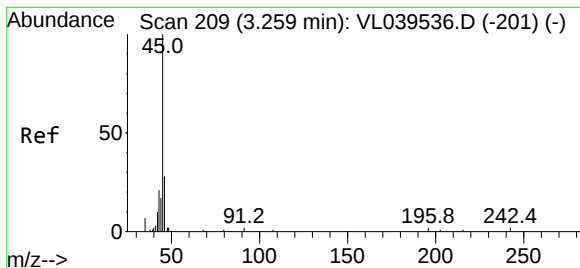
Tgt Ion:101 Resp: 1703707

Ion Ratio Lower Upper

101 100

151 69.9 58.9 88.3





#13

Ethanol

Concen: 5.713 ppbv

RT: 3.269 min Scan# 209

Delta R.T. 0.010 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

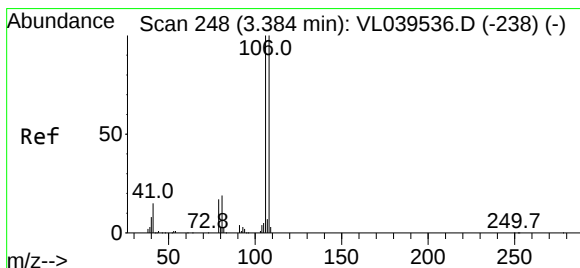
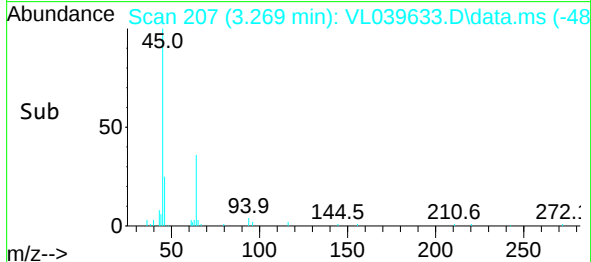
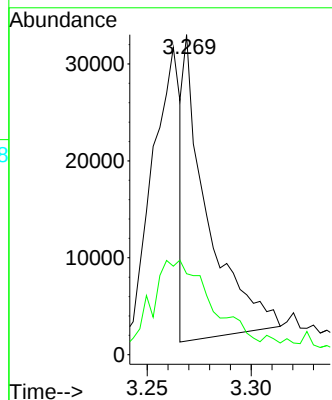
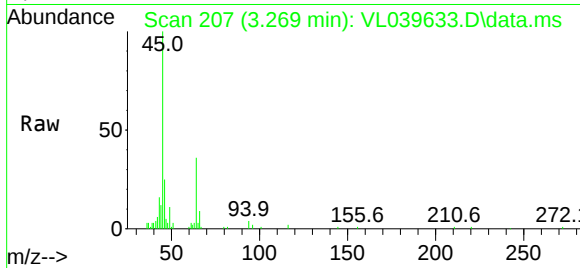
VSTDIC015

Tgt Ion: 45 Resp: 24911

Ion Ratio Lower Upper

45 100

46 99.1 22.8 91.2#



#14

Bromoethene

Concen: 15.589 ppbv

RT: 3.391 min Scan# 245

Delta R.T. 0.007 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

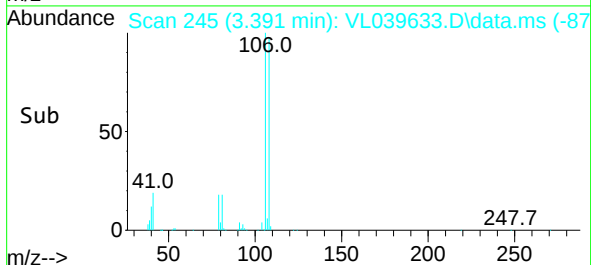
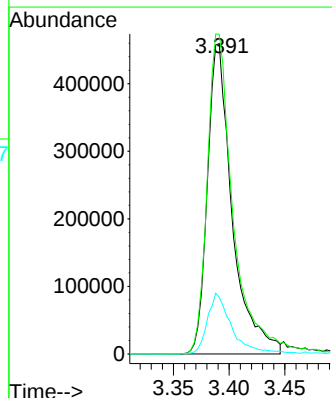
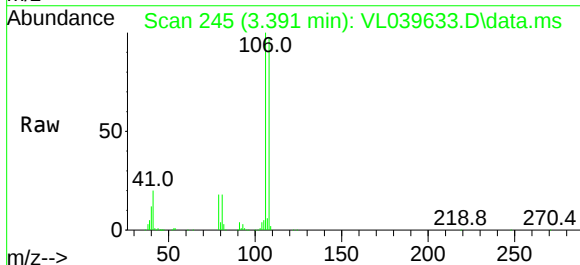
Tgt Ion: 108 Resp: 712561

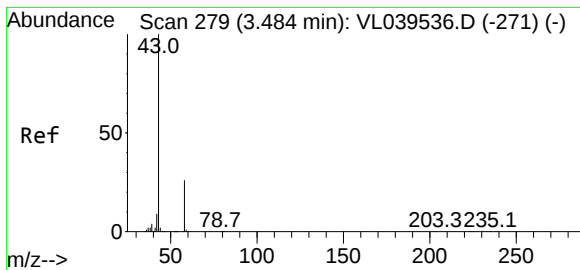
Ion Ratio Lower Upper

108 100

106 110.4 87.1 130.7

79 20.0 14.6 22.0

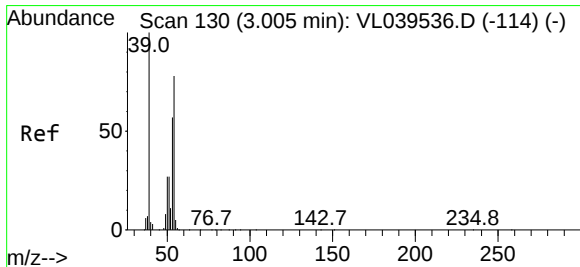
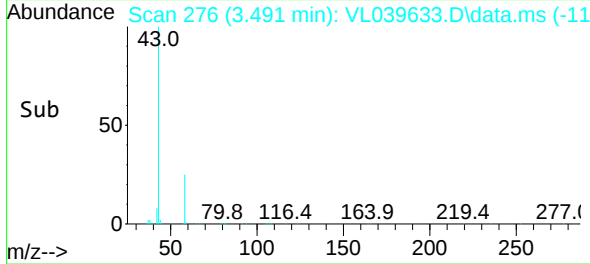
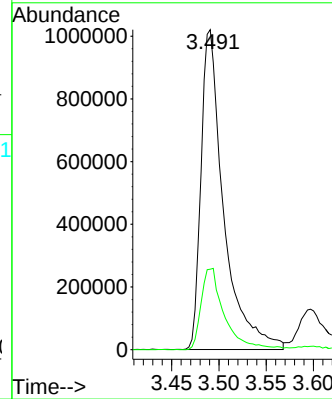
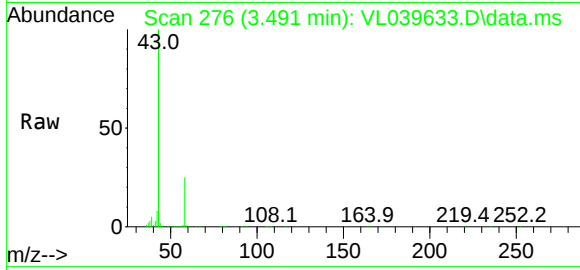




#15  
Acetone  
Concen: 14.475 ppbv  
RT: 3.491 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

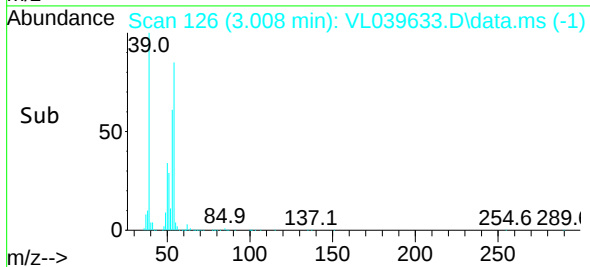
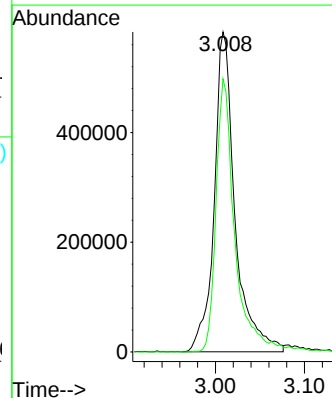
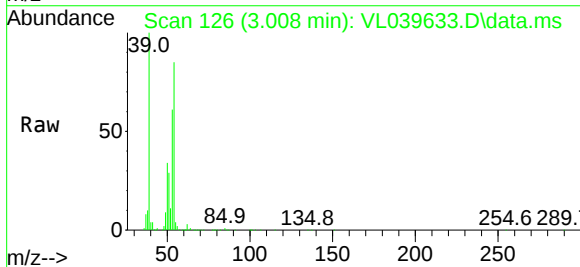
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

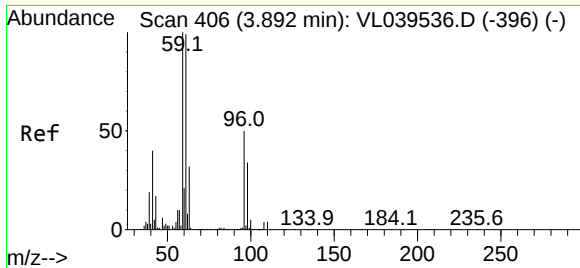
Tgt Ion: 43 Resp: 1700664  
Ion Ratio Lower Upper  
43 100  
58 26.3 21.0 31.6



#16  
1,3-Butadiene  
Concen: 15.877 ppbv  
RT: 3.008 min Scan# 126  
Delta R.T. 0.004 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

Tgt Ion: 39 Resp: 946288  
Ion Ratio Lower Upper  
39 100  
54 78.2 63.7 95.5

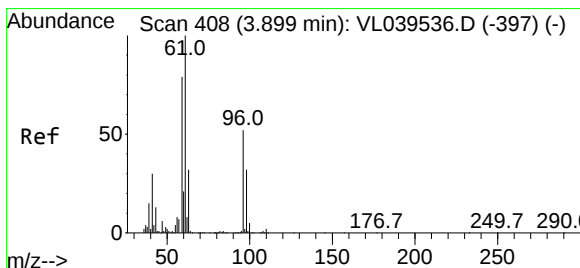
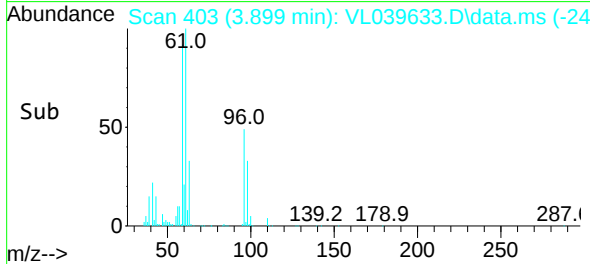
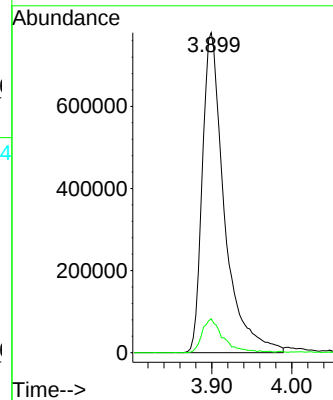
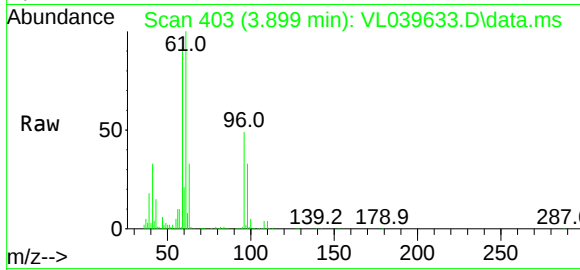




#17  
tert-Butyl alcohol  
Concen: 14.222 ppbv  
RT: 3.899 min Scan# 403  
Delta R.T. 0.007 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

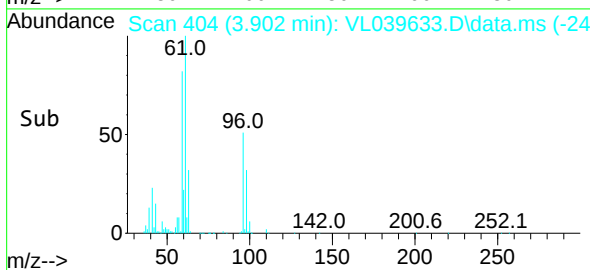
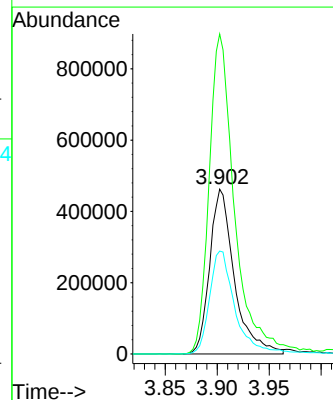
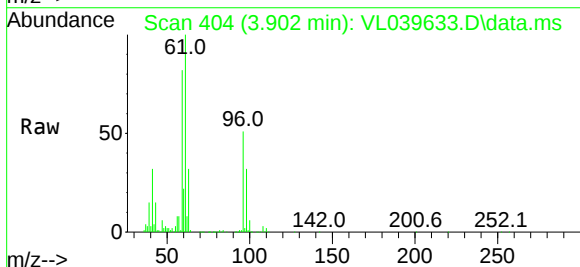
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 59 Resp: 1499473  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.7 13.1



#18  
1,1-Dichloroethene  
Concen: 15.172 ppbv  
RT: 3.902 min Scan# 404  
Delta R.T. 0.004 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

Tgt Ion: 96 Resp: 764308  
Ion Ratio Lower Upper  
96 100  
61 194.2 152.2 228.4  
98 62.4 51.8 77.6

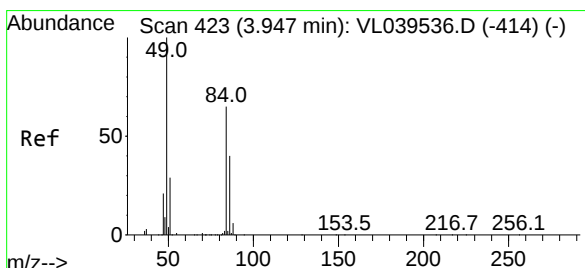
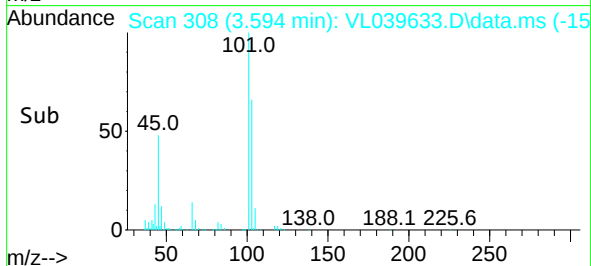
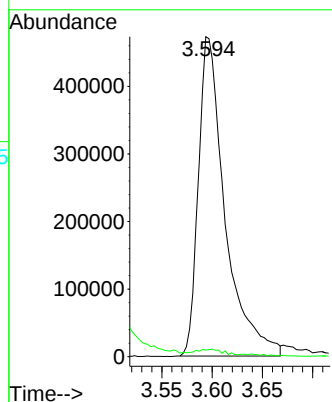
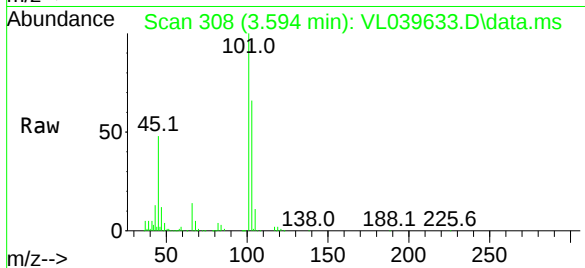




#19  
Isopropyl Alcohol  
Concen: 14.536 ppbv  
RT: 3.594 min Scan# 308  
Delta R.T. 0.004 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

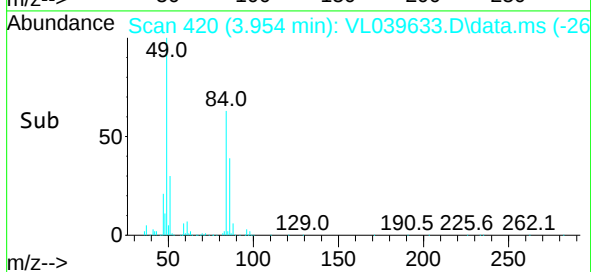
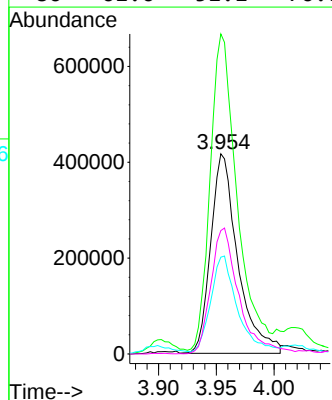
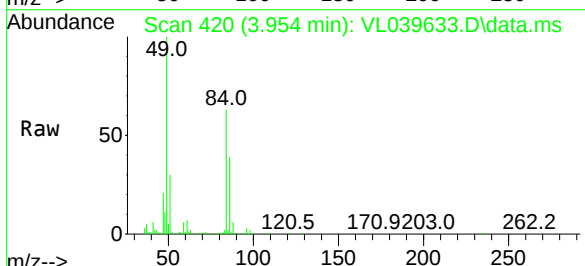
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC015

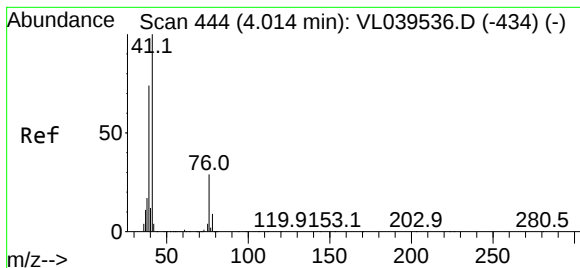
Tgt Ion: 45 Resp: 870542  
Ion Ratio Lower Upper  
45 100  
58 3.1 3.2 4.8#



#20  
Methylene Chloride  
Concen: 12.506 ppbv  
RT: 3.954 min Scan# 420  
Delta R.T. 0.007 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

Tgt Ion: 84 Resp: 679330  
Ion Ratio Lower Upper  
84 100  
49 158.0 123.1 184.7  
51 46.8 34.4 51.6  
86 61.6 51.1 76.7



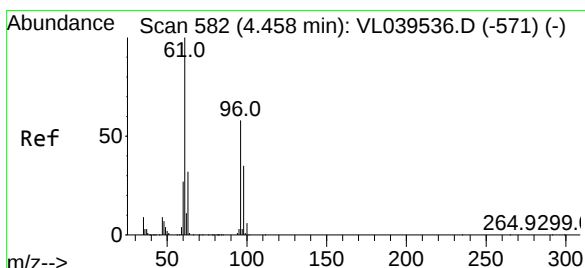
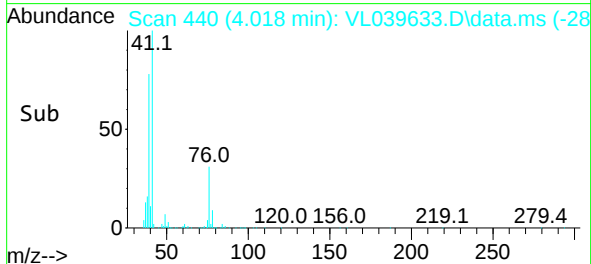
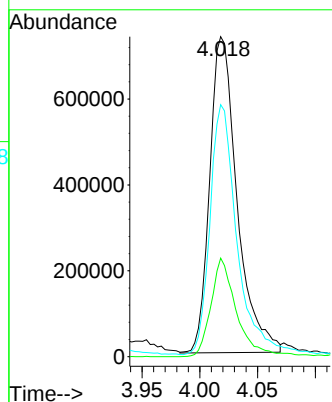
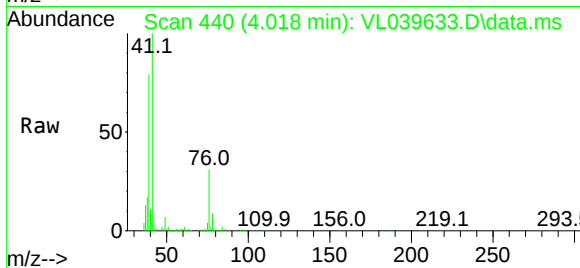


#21  
 Allyl Chloride  
 Concen: 15.196 ppbv  
 RT: 4.018 min Scan# 444  
 Delta R.T. 0.004 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Tgt Ion: 41 Resp: 1215727

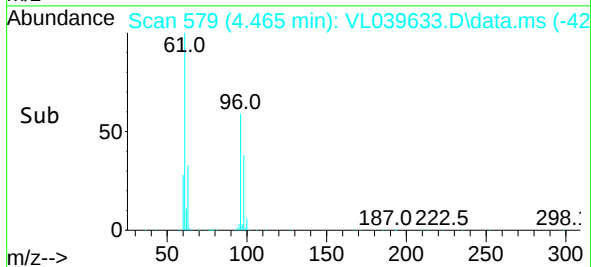
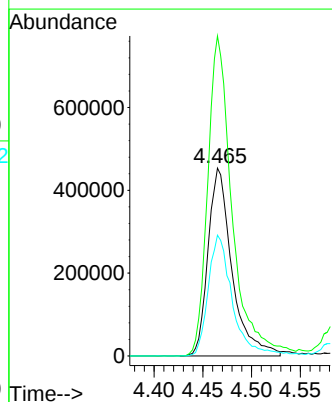
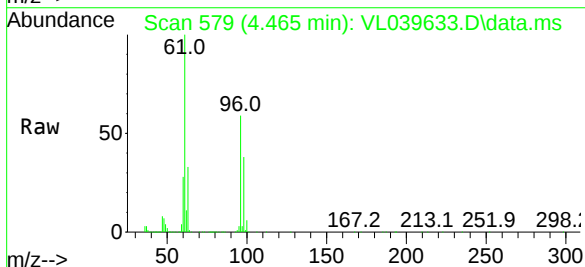
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 76  | 29.5  | 24.4  | 36.6  |
| 39  | 80.0  | 63.5  | 95.3  |

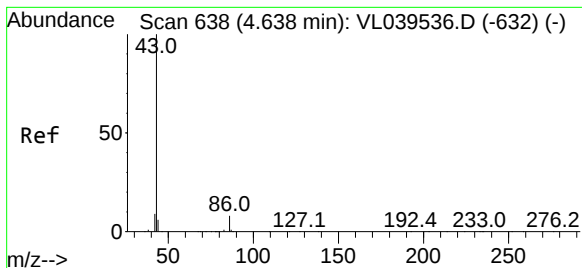


#22  
 trans-1,2-Dichloroethene  
 Concen: 15.586 ppbv  
 RT: 4.465 min Scan# 579  
 Delta R.T. 0.007 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

Tgt Ion: 96 Resp: 776715

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 170.3 | 130.6 | 195.8 |
| 98  | 64.3  | 53.4  | 80.0  |





#23

Vinyl Acetate

Concen: 14.838 ppbv

RT: 4.648 min Scan# 61

Delta R.T. 0.010 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 788051

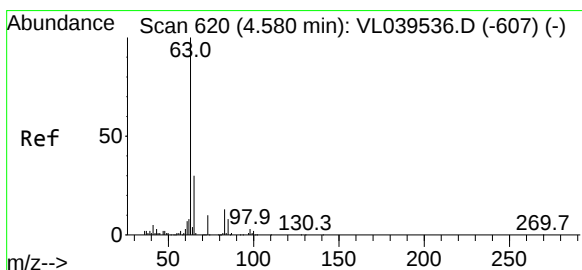
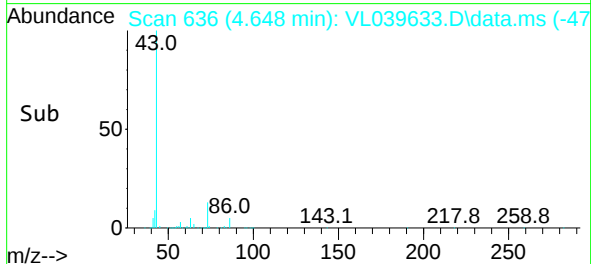
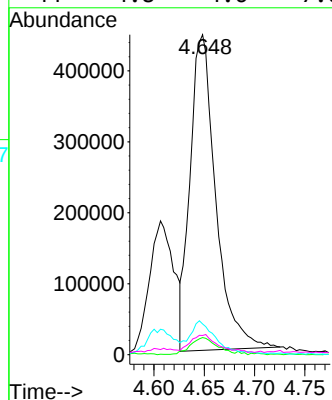
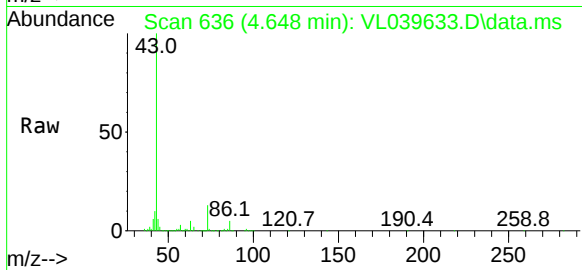
Ion Ratio Lower Upper

43 100

86 5.3 5.0 7.6

42 9.4 7.7 11.5

44 4.8 4.6 7.0



#24

1,1-Dichloroethane

Concen: 14.916 ppbv

RT: 4.584 min Scan# 616

Delta R.T. 0.004 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

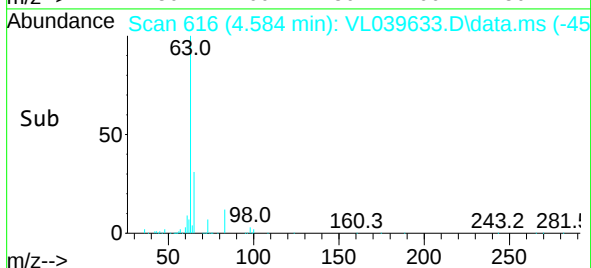
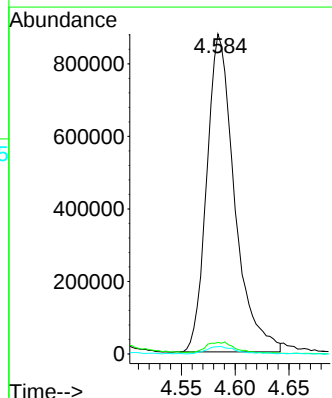
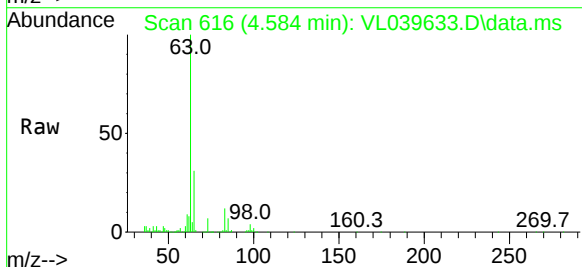
Tgt Ion: 63 Resp: 1577566

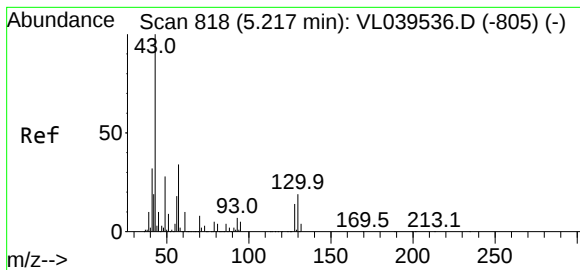
Ion Ratio Lower Upper

63 100

98 3.4 1.8 5.3

100 2.2 1.5 4.4



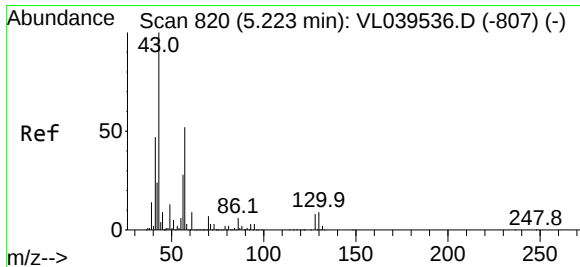
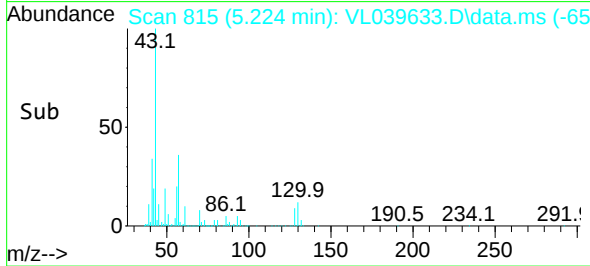
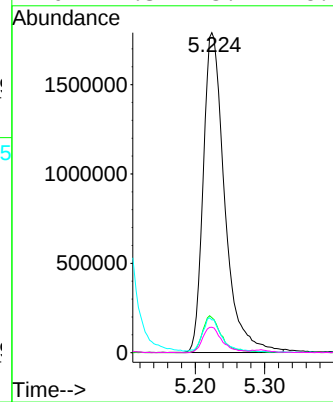
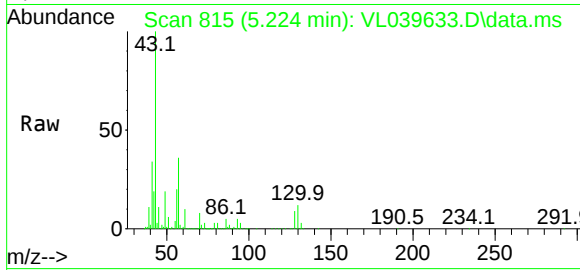


#25  
Ethyl Acetate  
Concen: 14.998 ppbv  
RT: 5.224 min Scan# 815  
Delta R.T. 0.007 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 43 Resp: 3842418

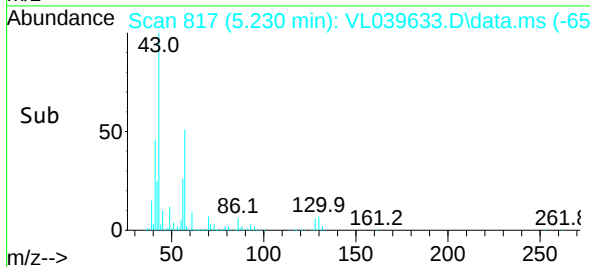
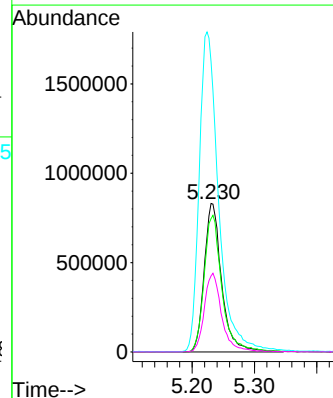
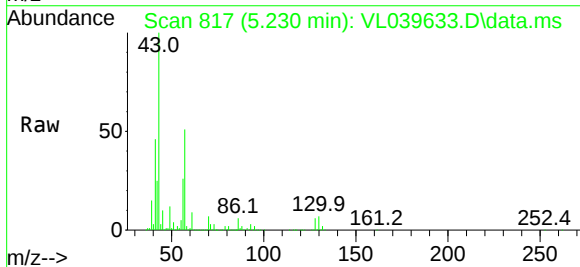
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.6  | 8.2   | 12.4  |
| 61  | 10.4  | 8.3   | 12.5  |
| 70  | 7.3   | 5.9   | 8.9   |

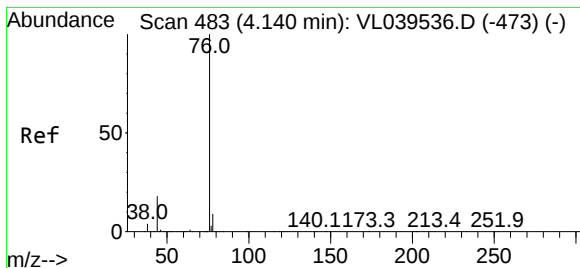


#26  
Hexane  
Concen: 14.883 ppbv  
RT: 5.230 min Scan# 817  
Delta R.T. 0.007 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

Tgt Ion: 57 Resp: 1618054

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 94.7  | 76.9  | 115.3 |
| 43  | 239.2 | 191.0 | 286.6 |
| 56  | 53.3  | 43.2  | 64.8  |





#27

Carbon Disulfide

Concen: 17.126 ppbv

RT: 4.143 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

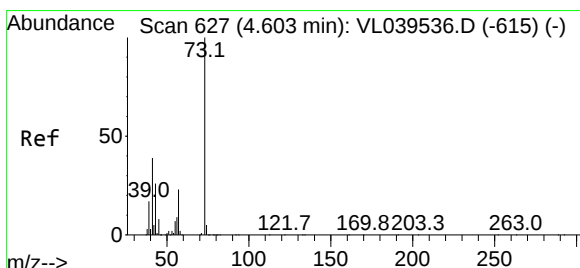
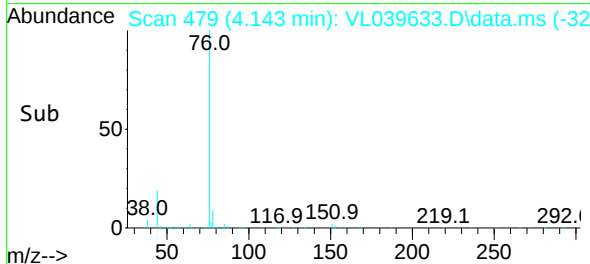
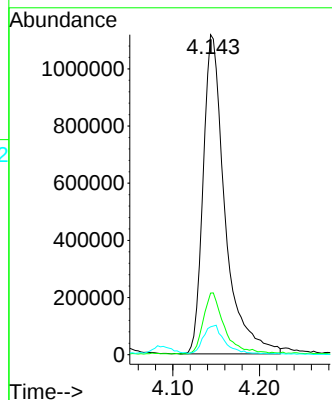
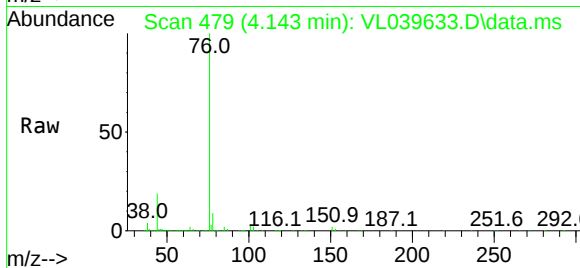
MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion: 76 Resp: 1956788

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 44  | 18.5  | 14.6  | 21.8  |
| 78  | 9.5   | 7.8   | 11.6  |



#28

Methyl tert-Butyl Ether

Concen: 14.760 ppbv

RT: 4.606 min Scan# 623

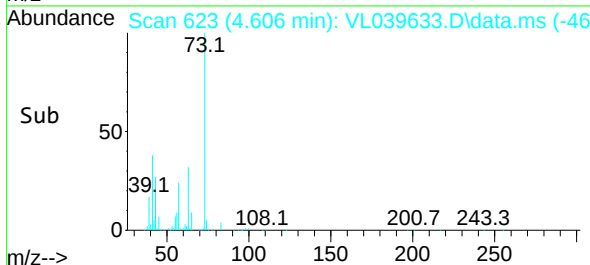
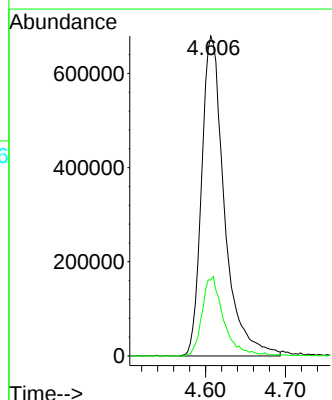
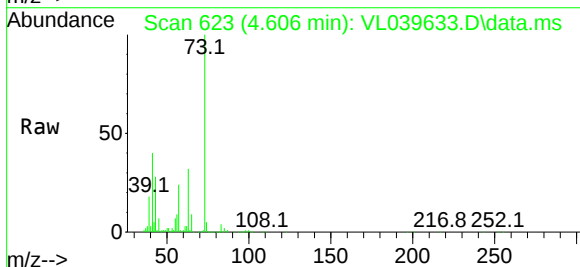
Delta R.T. 0.004 min

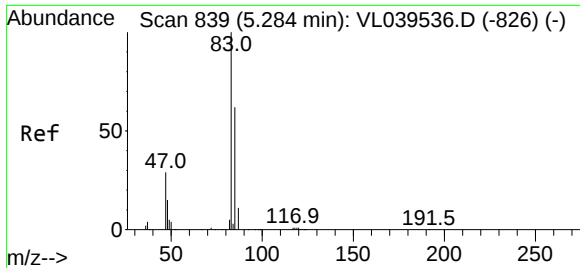
Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Tgt Ion: 73 Resp: 1348122

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 23.9  | 19.8  | 29.8  |

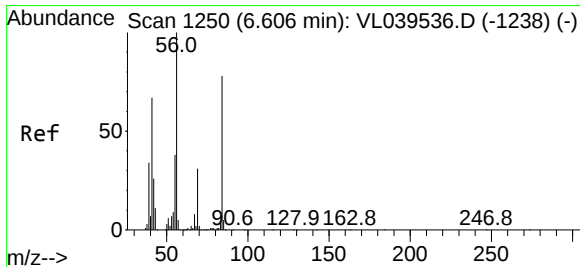
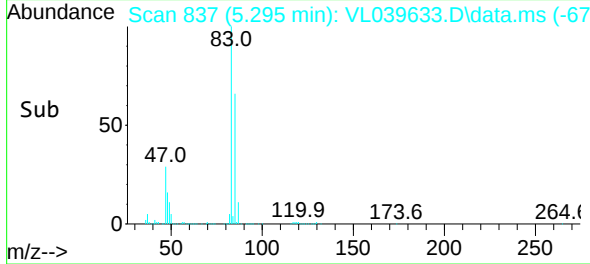
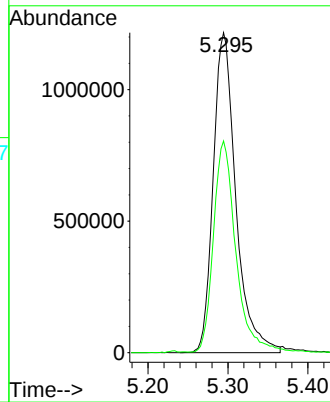
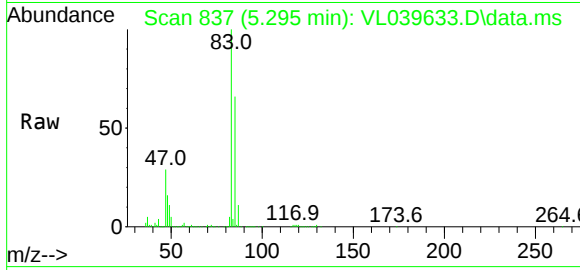




#29  
Chloroform  
Concen: 15.211 ppbv  
RT: 5.295 min Scan# 81  
Delta R.T. 0.010 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

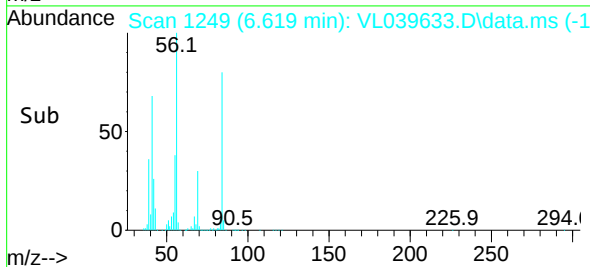
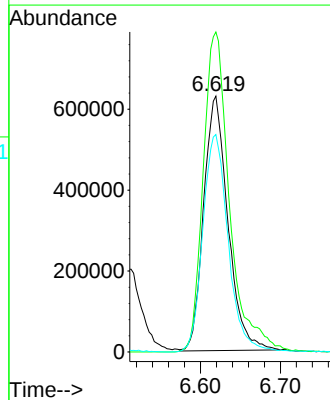
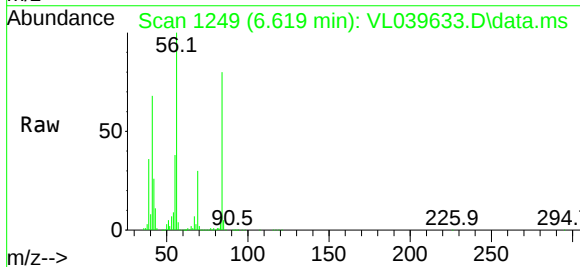
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

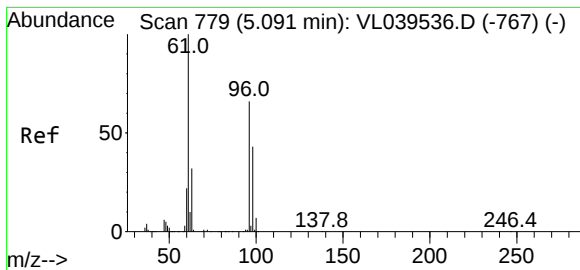
Tgt Ion: 83 Resp: 2387397  
Ion Ratio Lower Upper  
83 100  
85 65.9 52.8 79.2



#30  
Cyclohexane  
Concen: 15.801 ppbv  
RT: 6.619 min Scan# 1249  
Delta R.T. 0.013 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

Tgt Ion: 84 Resp: 1330322  
Ion Ratio Lower Upper  
84 100  
56 137.1 107.7 161.5  
41 89.7 67.7 101.5



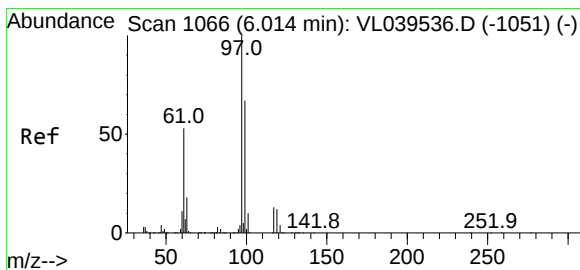
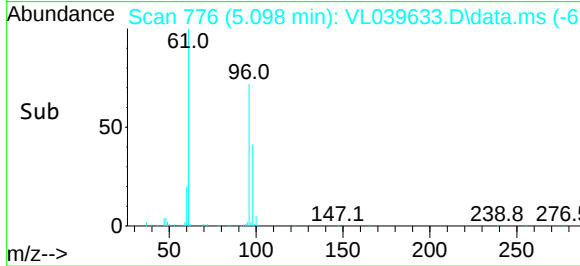
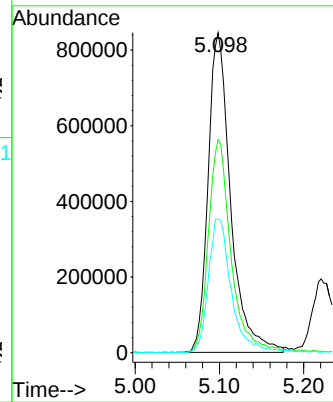
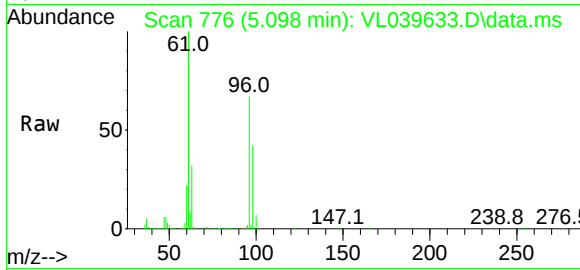


#31  
 cis-1,2-Dichloroethene  
 Concen: 16.016 ppbv  
 RT: 5.098 min Scan# 71  
 Delta R.T. 0.007 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Tgt Ion: 61 Resp: 1574894

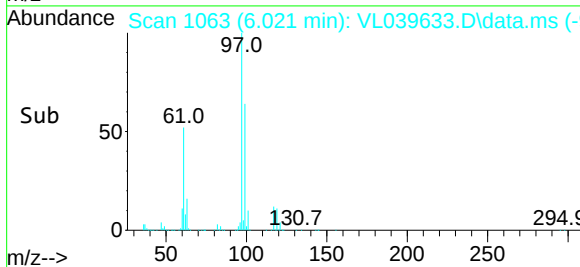
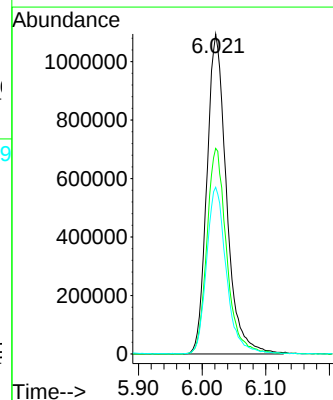
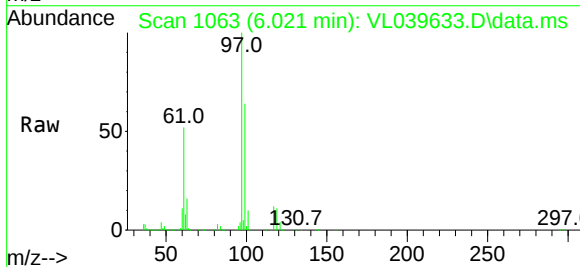
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 61  | 100   |       |       |
| 96  | 66.5  | 54.1  | 81.1  |
| 98  | 41.8  | 34.6  | 52.0  |

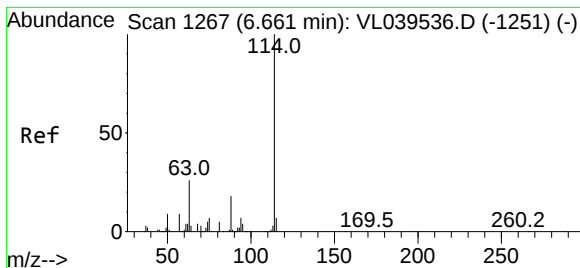


#32  
 1,1,1-Trichloroethane  
 Concen: 16.520 ppbv  
 RT: 6.021 min Scan# 1063  
 Delta R.T. 0.007 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

Tgt Ion: 97 Resp: 2347326

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.8  | 52.3  | 78.5  |
| 61  | 52.7  | 40.9  | 61.3  |





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

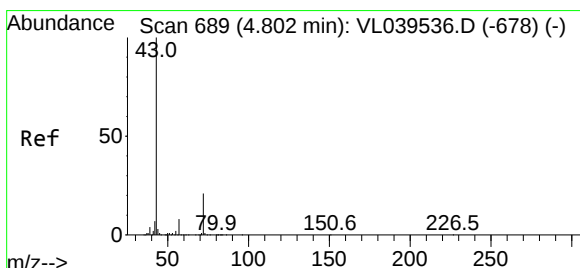
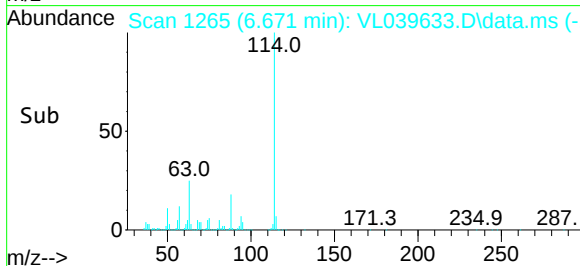
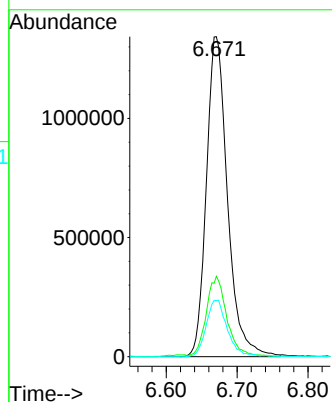
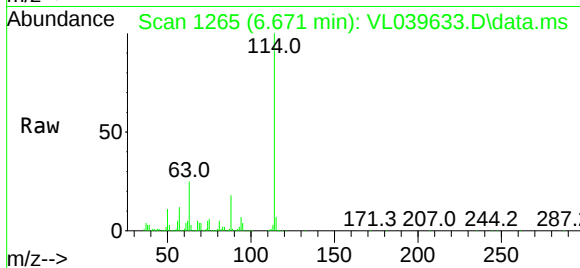
Tgt Ion:114 Resp: 2777788

Ion Ratio Lower Upper

114 100

63 25.4 20.2 30.4

88 17.8 14.5 21.7



#34

2-Butanone

Concen: 15.894 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.004 min

Lab File: VL039633.D

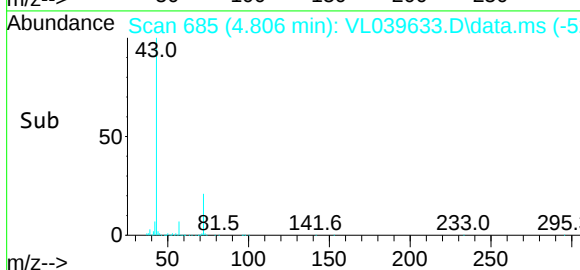
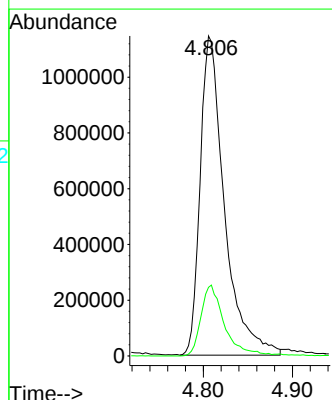
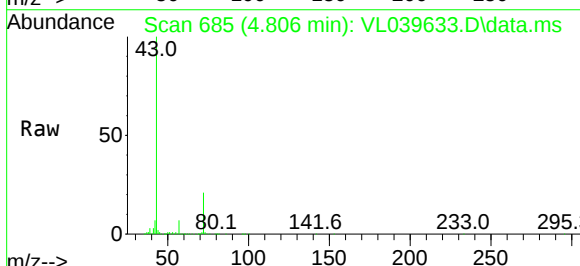
Acq: 19 Sep 2022 13:43

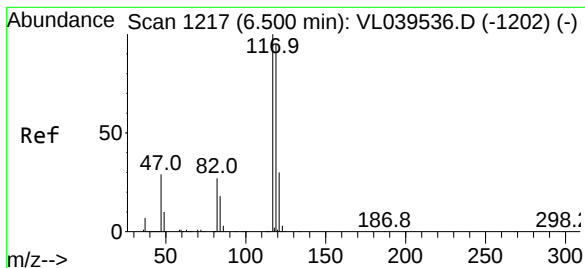
Tgt Ion: 43 Resp: 2168552

Ion Ratio Lower Upper

43 100

72 21.9 17.9 26.9

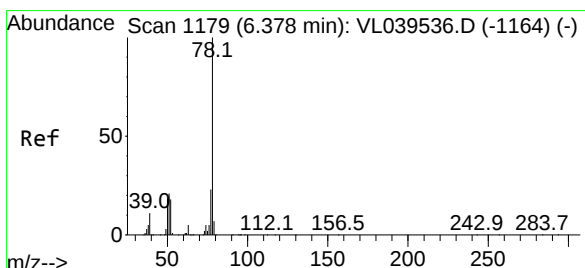
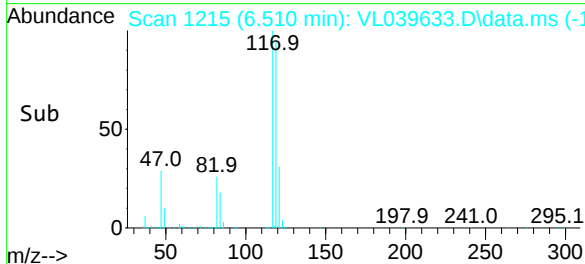
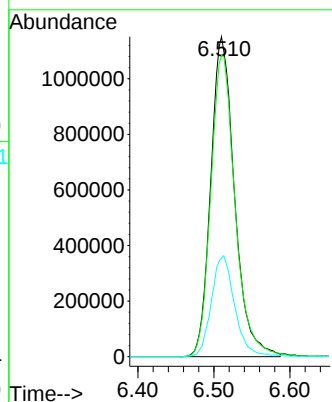
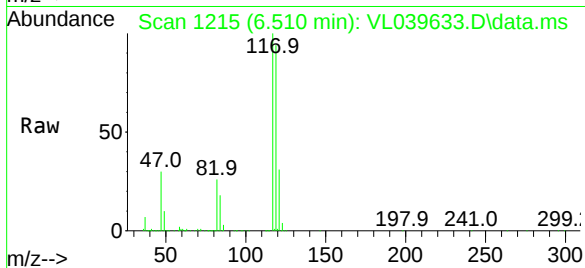




#35  
Carbon Tetrachloride  
Concen: 16.926 ppbv  
RT: 6.510 min Scan# 117  
Delta R.T. 0.010 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

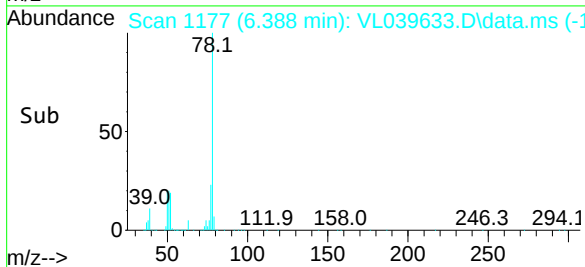
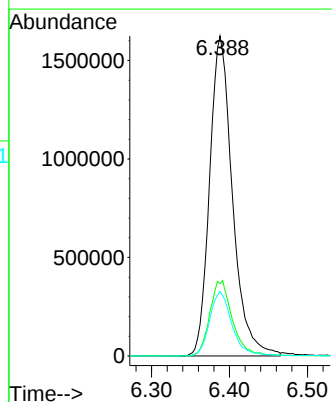
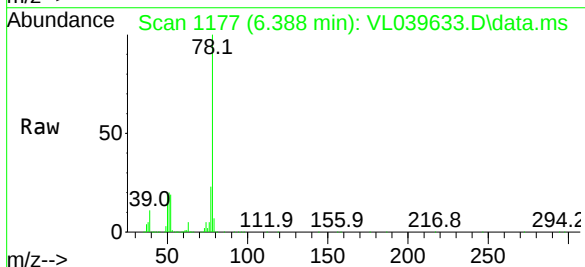
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

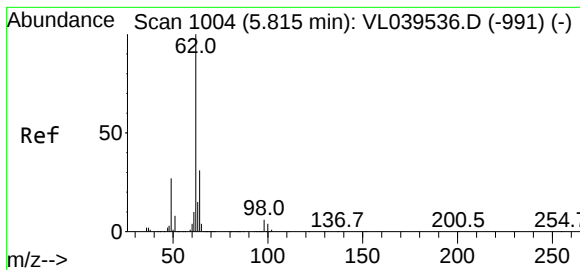
Tgt Ion:117 Resp: 2496006  
Ion Ratio Lower Upper  
117 100  
119 94.1 75.4 113.2  
121 30.8 24.2 36.2



#36  
Benzene  
Concen: 15.613 ppbv  
RT: 6.388 min Scan# 1177  
Delta R.T. 0.010 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

Tgt Ion: 78 Resp: 3315755  
Ion Ratio Lower Upper  
78 100  
77 22.6 20.3 30.5  
50 20.1 15.5 23.3

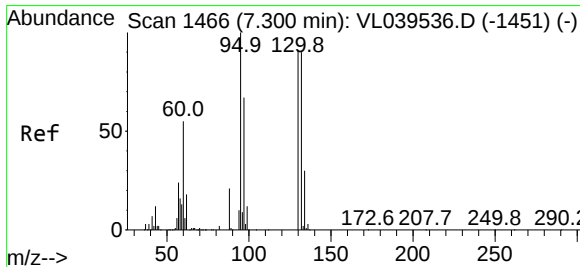
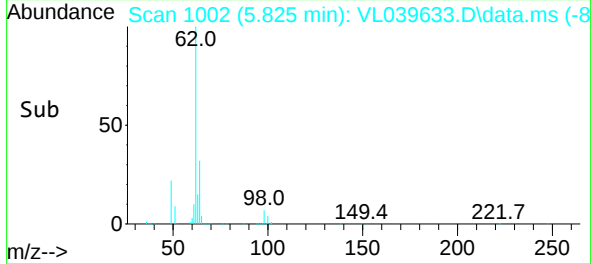
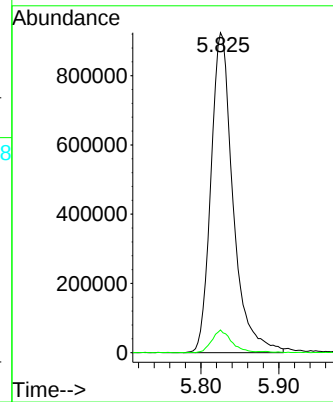
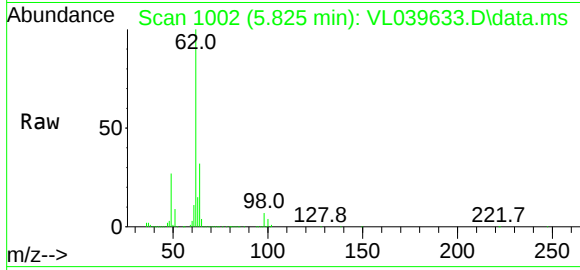




#37  
1,2-Dichloroethane  
Concen: 15.765 ppbv  
RT: 5.825 min Scan# 10  
Delta R.T. 0.010 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

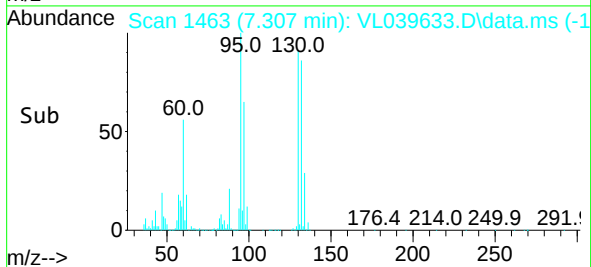
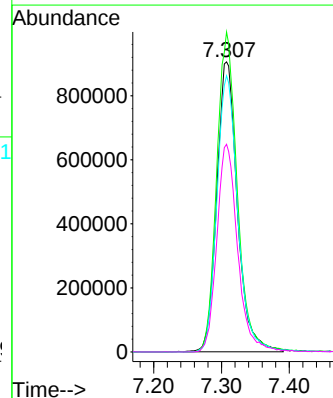
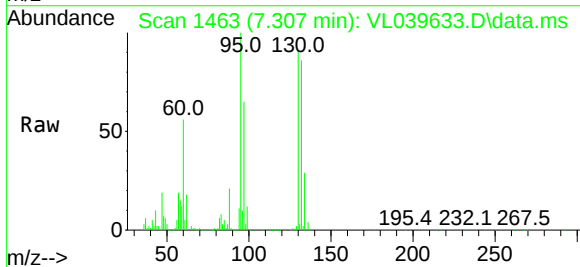
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

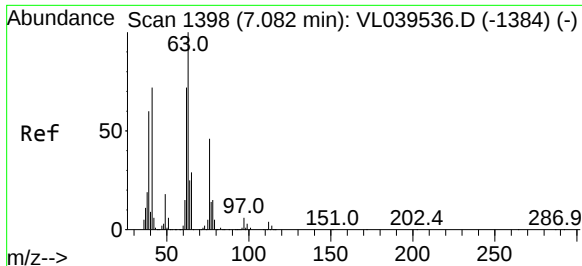
Tgt Ion: 62 Resp: 1822178  
Ion Ratio Lower Upper  
62 100  
98 6.6 5.1 7.7



#38  
Trichloroethene  
Concen: 16.644 ppbv  
RT: 7.307 min Scan# 1463  
Delta R.T. 0.007 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

Tgt Ion:130 Resp: 1910312  
Ion Ratio Lower Upper  
130 100  
95 110.3 87.3 130.9  
132 95.3 76.7 115.1  
97 71.6 56.5 84.7





#39

1,2-Dichloropropane

Concen: 15.645 ppbv

RT: 7.089 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

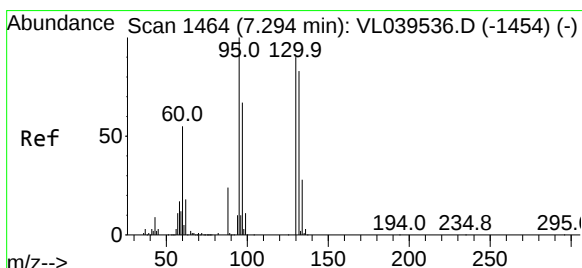
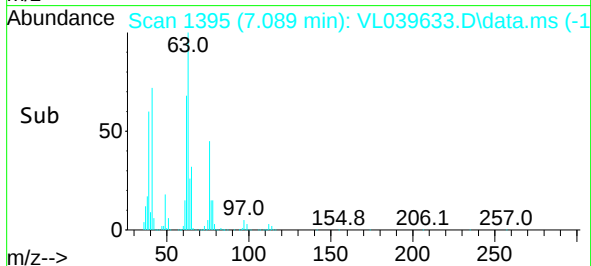
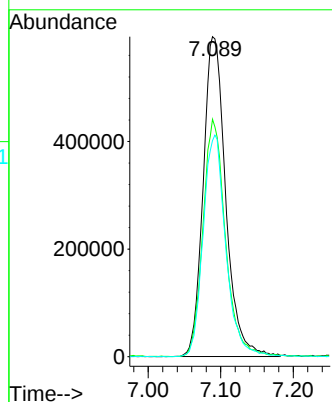
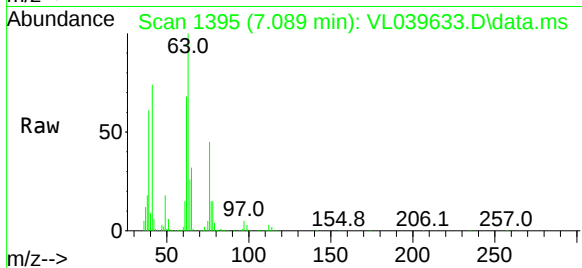
Tgt Ion: 63 Resp: 1283018

Ion Ratio Lower Upper

63 100

41 74.1 59.6 89.4

62 67.5 51.4 77.0



#40

1,4-Dioxane

Concen: 14.877 ppbv

RT: 7.304 min Scan# 1462

Delta R.T. 0.010 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Tgt Ion: 88 Resp: 498145

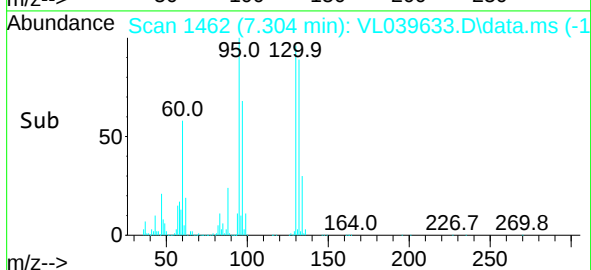
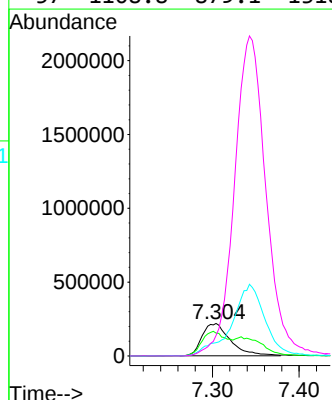
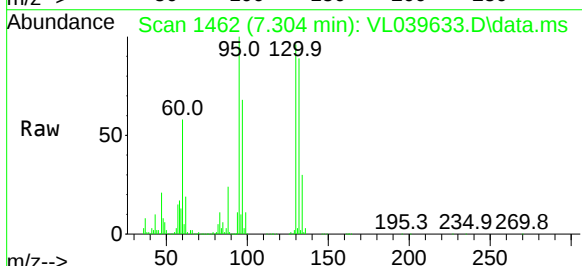
Ion Ratio Lower Upper

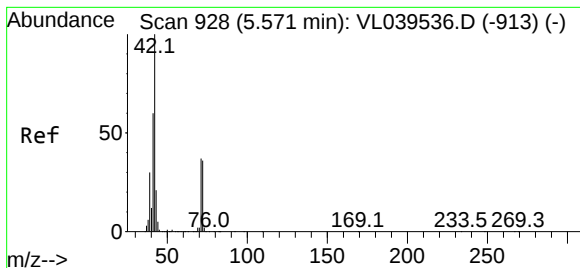
88 100

58 126.3 100.2 150.4

43 262.0 205.8 308.6

57 1108.8 879.1 1318.7

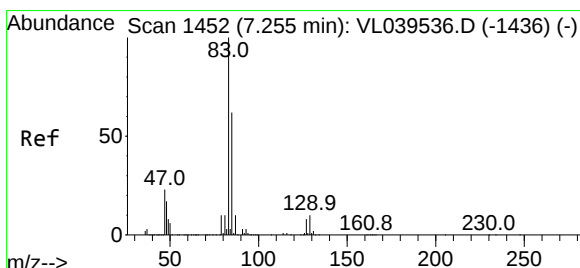
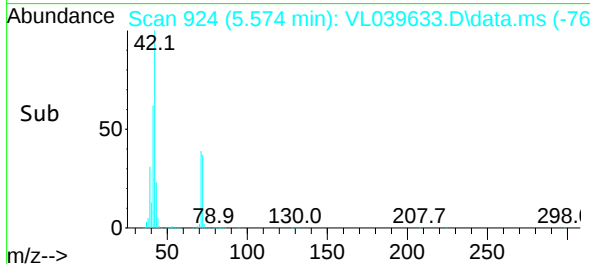
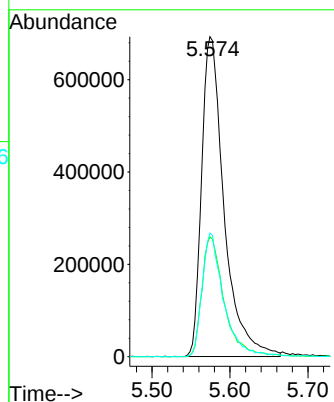
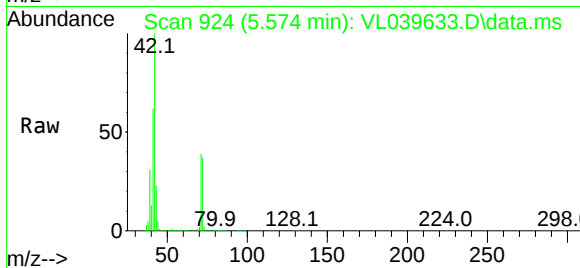




#41  
Tetrahydrofuran  
Concen: 16.576 ppbv  
RT: 5.574 min Scan# 91  
Delta R.T. 0.004 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

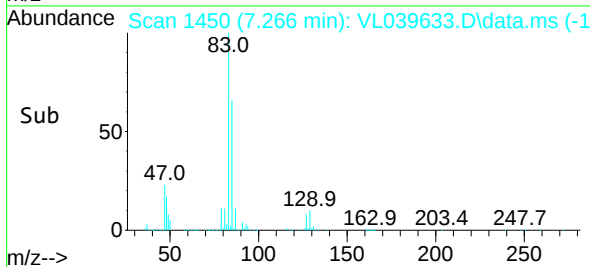
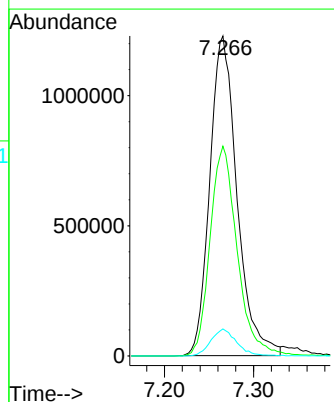
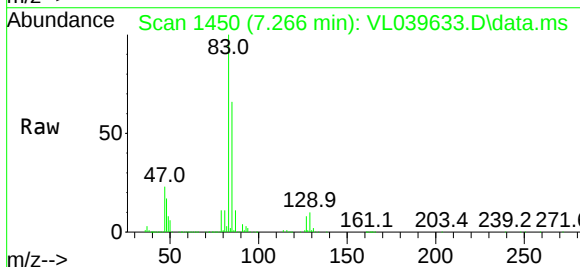
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

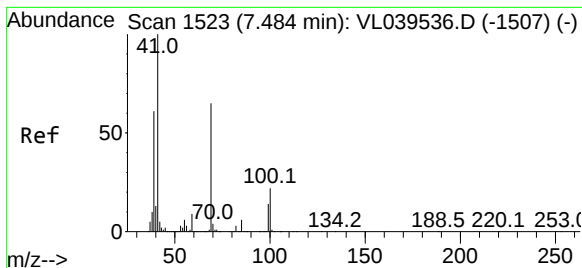
Tgt Ion: 42 Resp: 1387450  
Ion Ratio Lower Upper  
42 100  
72 37.6 31.8 47.8  
71 37.2 31.8 47.8



#42  
Bromodichloromethane  
Concen: 16.242 ppbv  
RT: 7.266 min Scan# 1450  
Delta R.T. 0.010 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

Tgt Ion: 83 Resp: 2611194  
Ion Ratio Lower Upper  
83 100  
85 65.6 50.7 76.1  
127 8.4 6.6 9.8





#43

Methyl Methacrylate

Concen: 17.130 ppbv

RT: 7.494 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

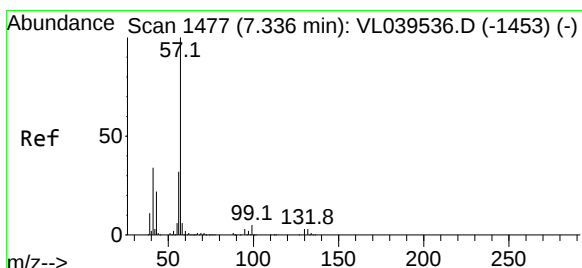
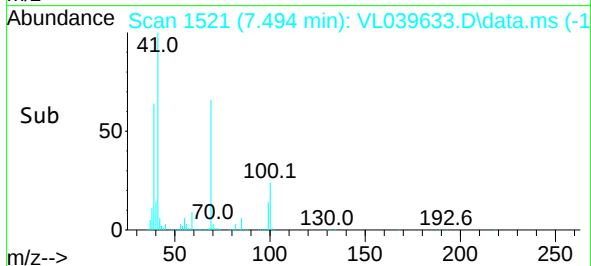
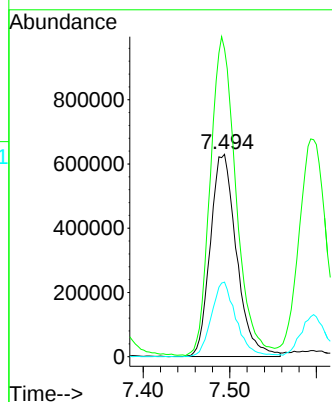
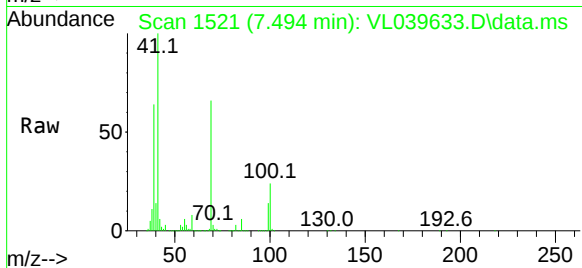
Tgt Ion: 69 Resp: 1326153

Ion Ratio Lower Upper

69 100

41 155.7 120.8 181.2

100 35.0 27.8 41.6



#44

2,2,4-Trimethylpentane

Concen: 15.046 ppbv

RT: 7.343 min Scan# 1474

Delta R.T. 0.007 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

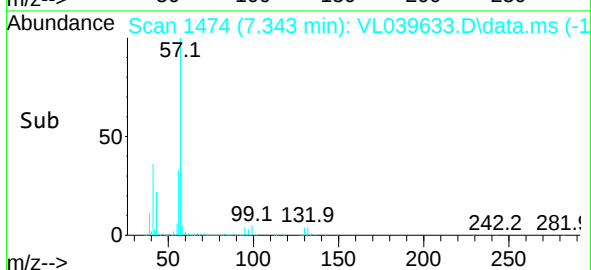
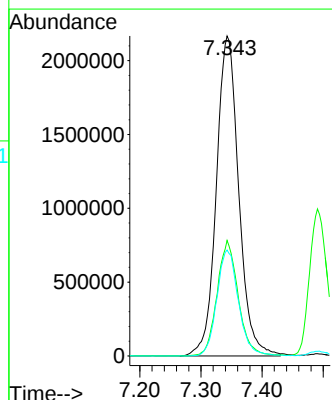
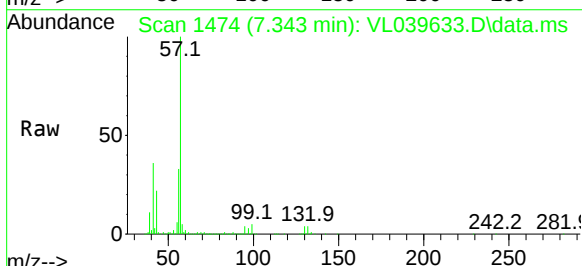
Tgt Ion: 57 Resp: 5507570

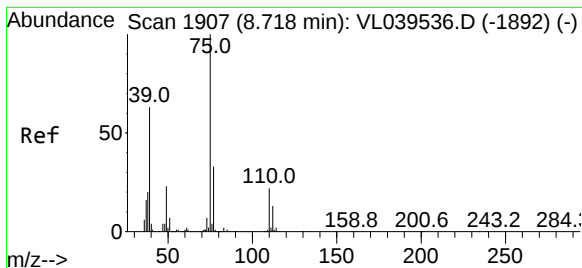
Ion Ratio Lower Upper

57 100

41 34.1 27.4 41.2

56 32.1 24.5 36.7

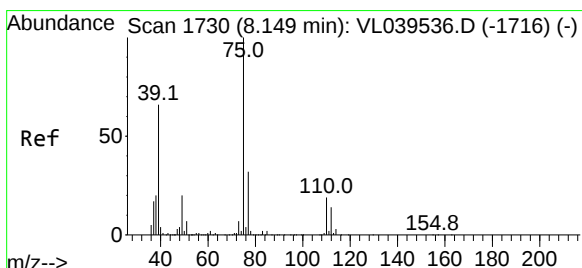
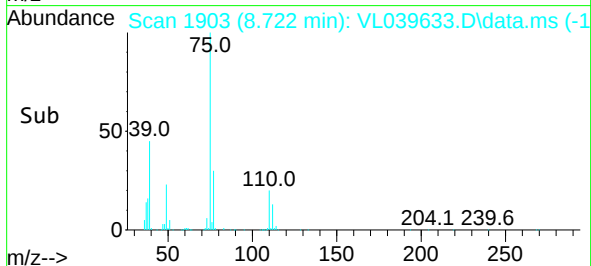
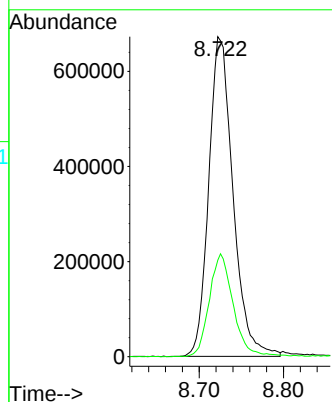
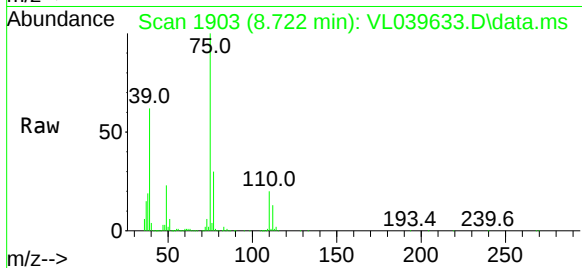




#45  
 t-1,3-Dichloropropene  
 Concen: 20.557 ppbv  
 RT: 8.722 min Scan# 1907  
 Delta R.T. 0.004 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

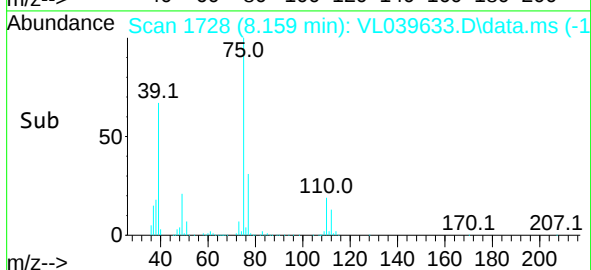
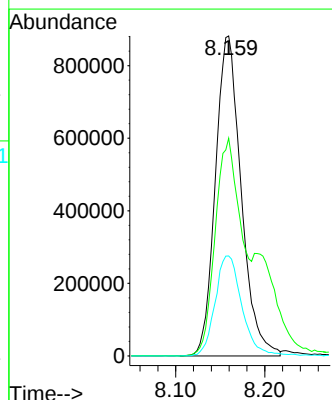
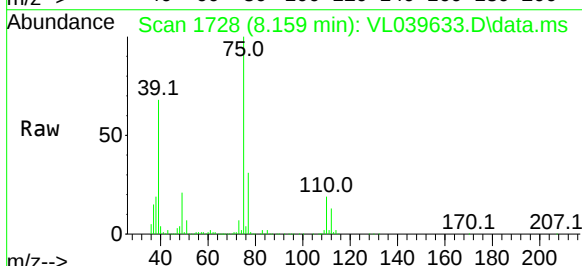
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

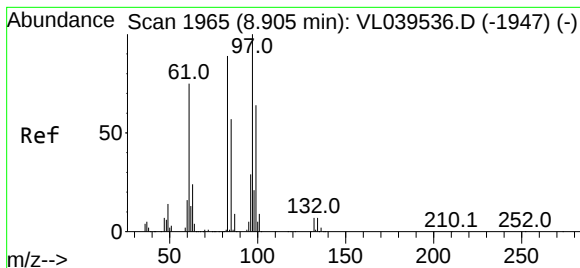
Tgt Ion: 75 Resp: 1344811  
 Ion Ratio Lower Upper  
 75 100  
 77 30.2 24.6 36.8



#46  
 cis-1,3-Dichloropropene  
 Concen: 19.027 ppbv  
 RT: 8.159 min Scan# 1728  
 Delta R.T. 0.010 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

Tgt Ion: 75 Resp: 1771987  
 Ion Ratio Lower Upper  
 75 100  
 39 67.9 55.0 82.4  
 77 31.3 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 15.628 ppbv

RT: 8.912 min Scan# 1965

Delta R.T. 0.007 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 1400822

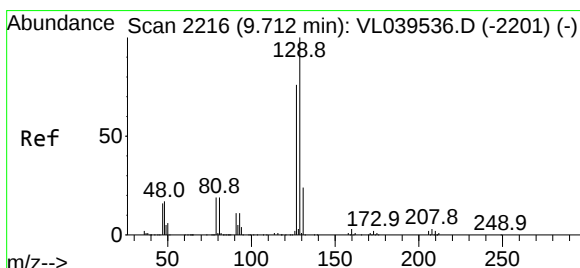
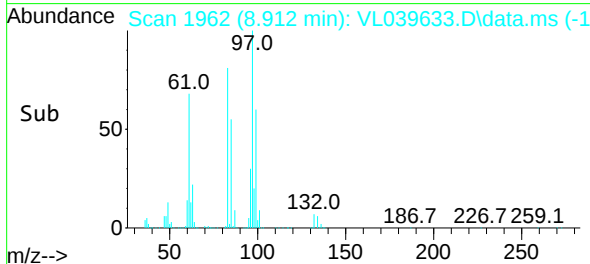
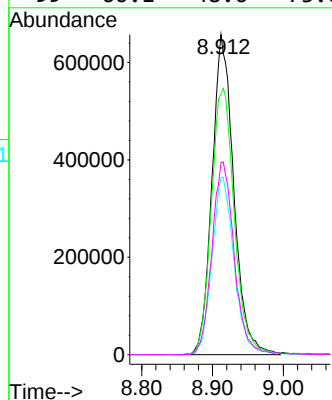
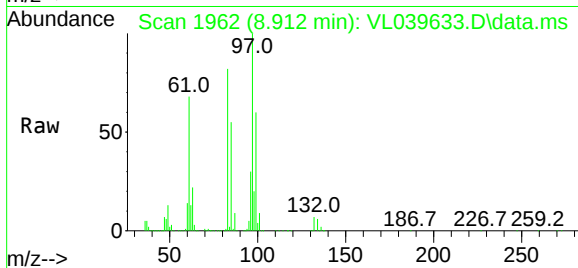
Ion Ratio Lower Upper

97 100

83 81.5 67.4 101.0

85 55.2 45.1 67.7

99 60.1 48.6 73.0



#48

Dibromochloromethane

Concen: 17.553 ppbv

RT: 9.722 min Scan# 2214

Delta R.T. 0.010 min

Lab File: VL039633.D

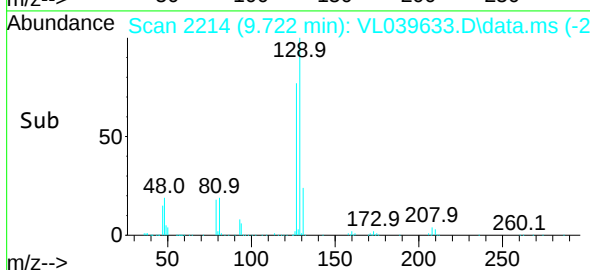
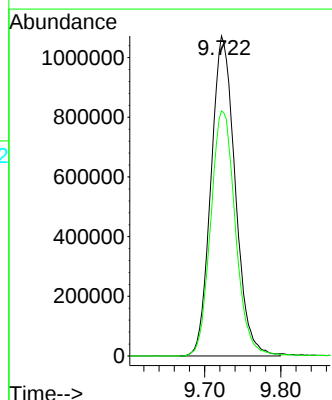
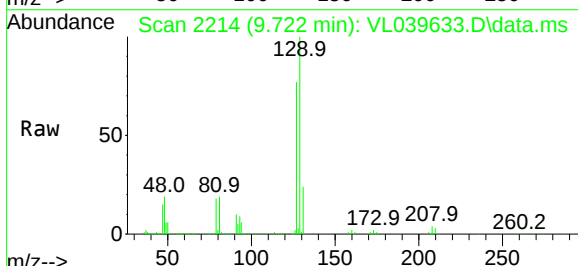
Acq: 19 Sep 2022 13:43

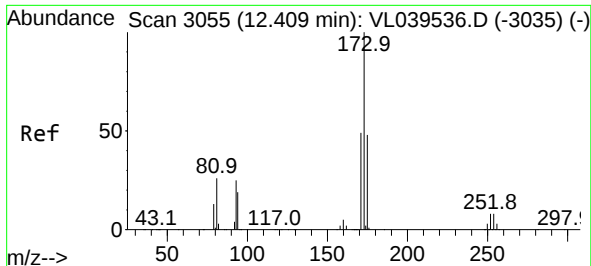
Tgt Ion: 129 Resp: 2369242

Ion Ratio Lower Upper

129 100

127 78.4 39.3 117.9





#49

Bromoform

Concen: 18.104 ppbv

RT: 12.420 min Scan# 3055

Delta R.T. 0.010 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

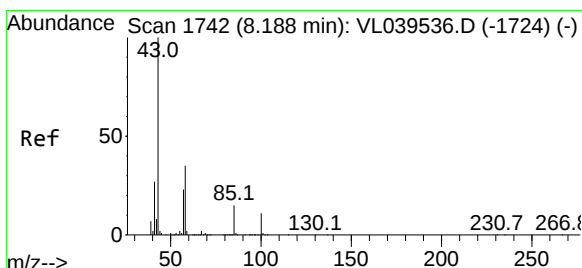
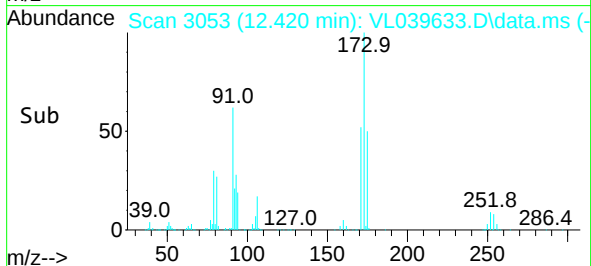
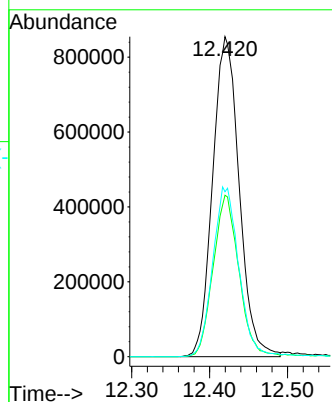
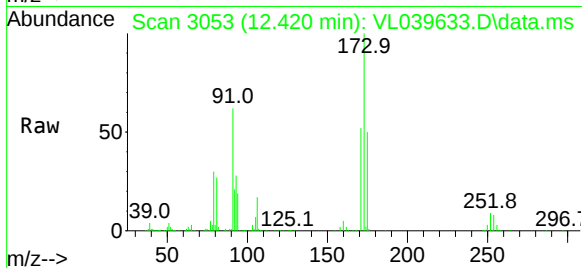
Tgt Ion:173 Resp: 2021127

Ion Ratio Lower Upper

173 100

175 49.7 40.3 60.5

171 52.8 42.9 64.3



#50

4-Methyl-2-Pentanone

Concen: 16.670 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.007 min

Lab File: VL039633.D

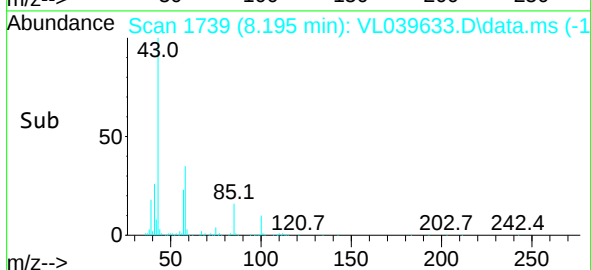
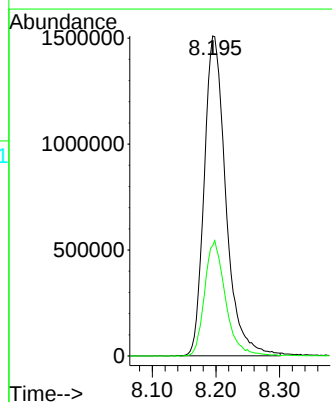
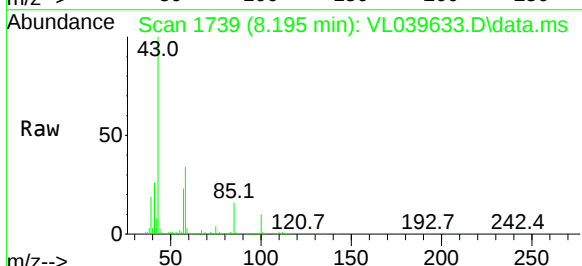
Acq: 19 Sep 2022 13:43

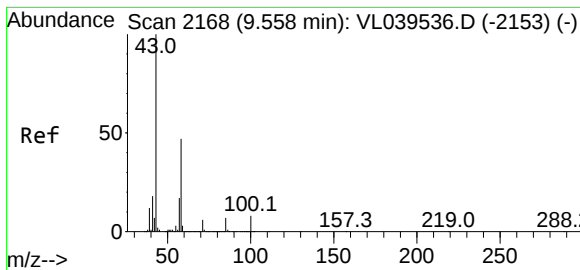
Tgt Ion: 43 Resp: 3573955

Ion Ratio Lower Upper

43 100

58 34.8 28.8 43.2

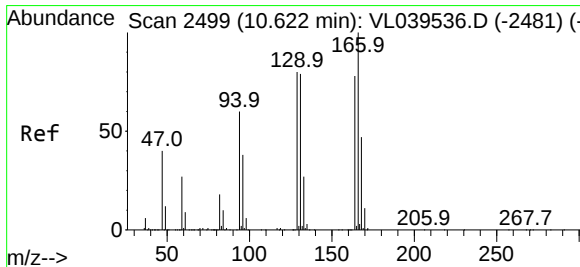
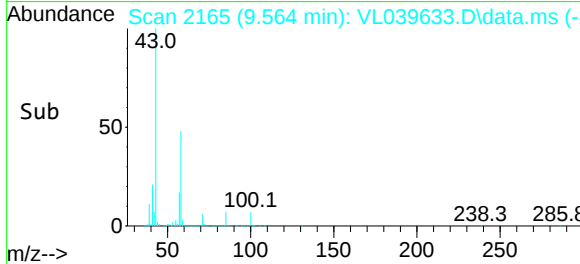
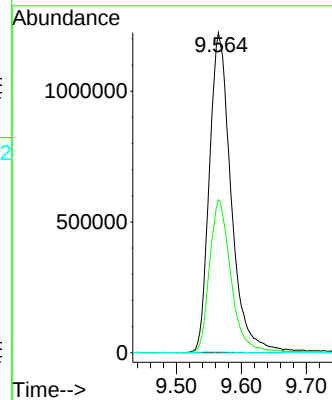
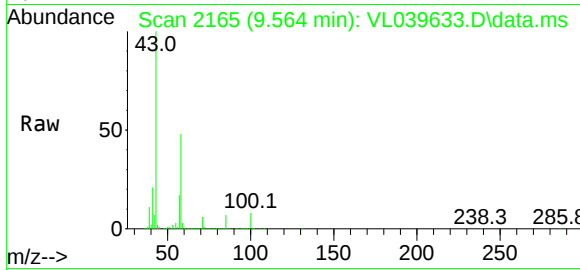




#51  
2-Hexanone  
Concen: 17.887 ppbv  
RT: 9.564 min Scan# 2165  
Delta R.T. 0.007 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

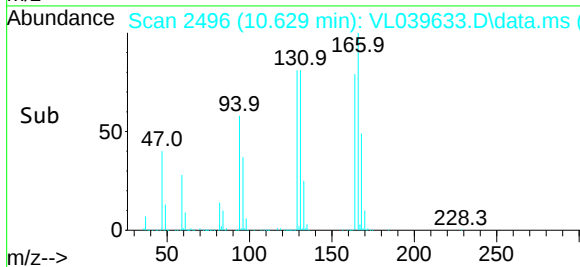
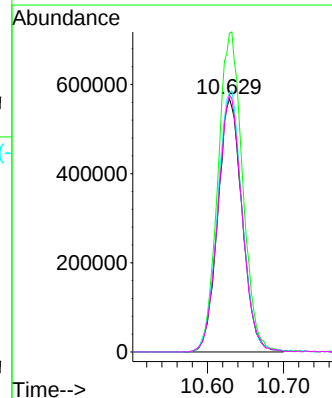
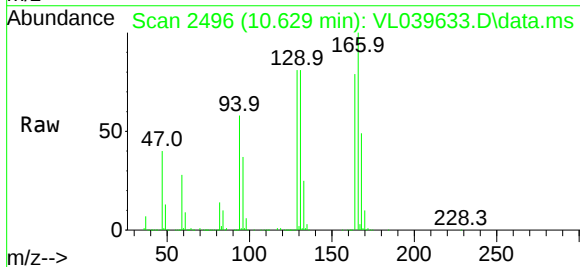
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

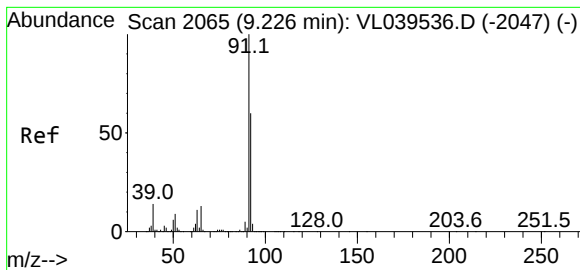
Tgt Ion: 43 Resp: 2838761  
Ion Ratio Lower Upper  
43 100  
58 47.6 38.4 57.6  
98 0.4 0.3 0.5



#52  
Tetrachloroethene  
Concen: 15.555 ppbv  
RT: 10.629 min Scan# 2496  
Delta R.T. 0.007 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

Tgt Ion: 164 Resp: 1260271  
Ion Ratio Lower Upper  
164 100  
166 125.9 102.2 153.2  
129 102.3 85.8 128.8  
131 101.5 83.3 124.9





#53

Toluene

Concen: 16.789 ppbv

RT: 9.233 min Scan# 2062

Delta R.T. 0.007 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

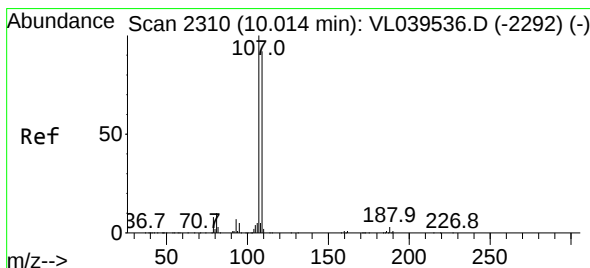
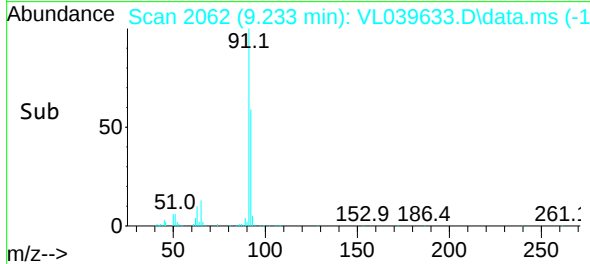
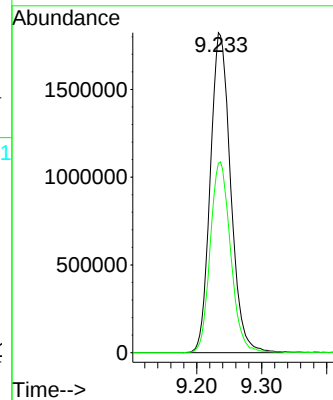
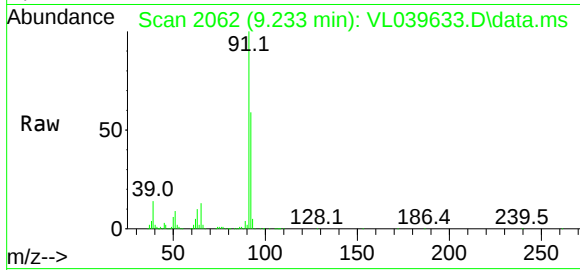
VSTDIC015

Tgt Ion: 91 Resp: 3965528

Ion Ratio Lower Upper

91 100

92 59.9 48.2 72.2



#54

1,2-Dibromoethane

Concen: 17.238 ppbv

RT: 10.024 min Scan# 2308

Delta R.T. 0.010 min

Lab File: VL039633.D

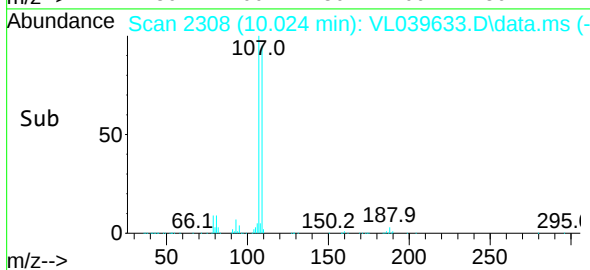
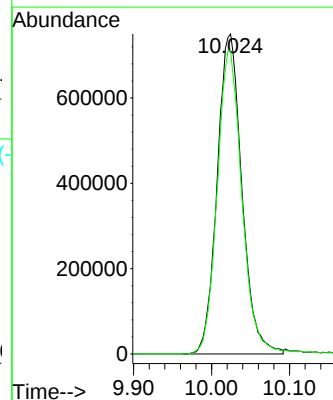
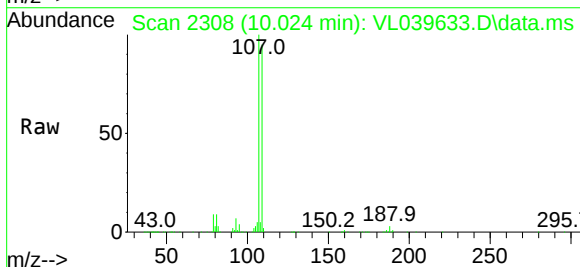
Acq: 19 Sep 2022 13:43

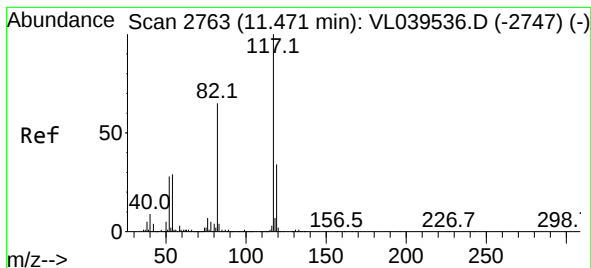
Tgt Ion: 107 Resp: 1653038

Ion Ratio Lower Upper

107 100

109 94.8 74.8 112.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.481 min Scan# 2763

Delta R.T. 0.010 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

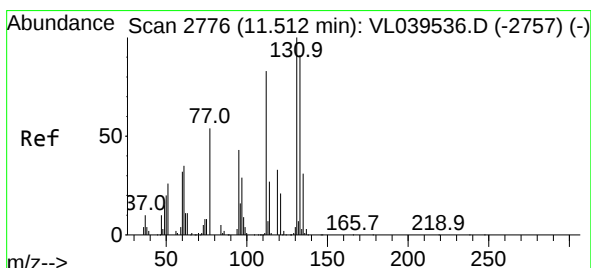
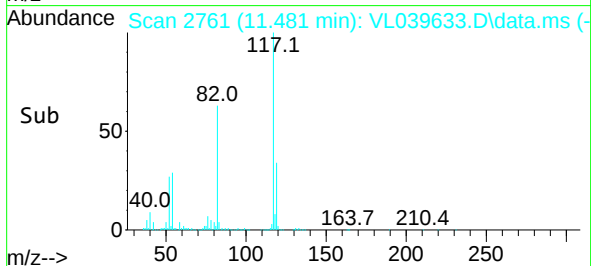
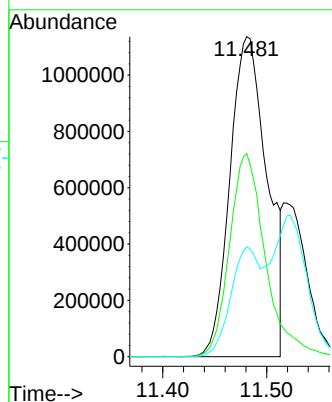
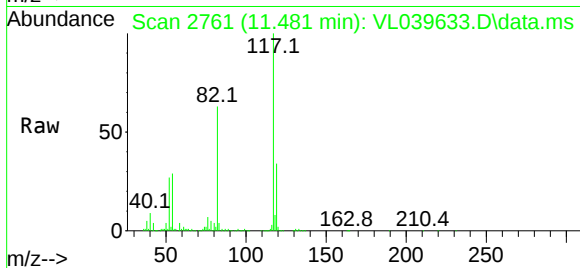
Tgt Ion:117 Resp: 2828663

Ion Ratio Lower Upper

117 100

82 61.8 50.8 76.2

119 29.9 24.1 36.1



#56

1,1,1,2-Tetrachloroethane

Concen: 14.683 ppbv

RT: 11.523 min Scan# 2774

Delta R.T. 0.010 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

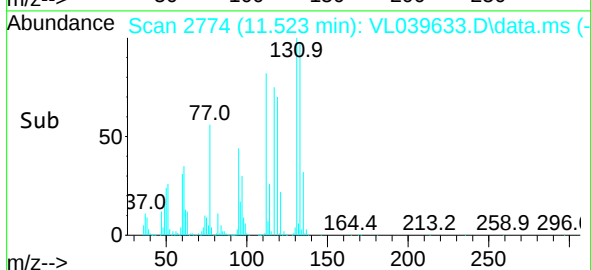
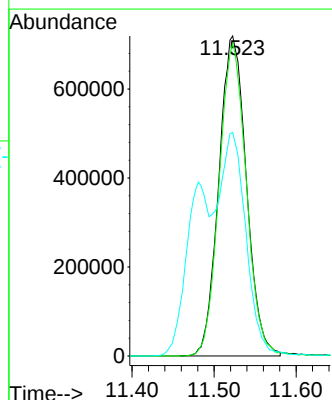
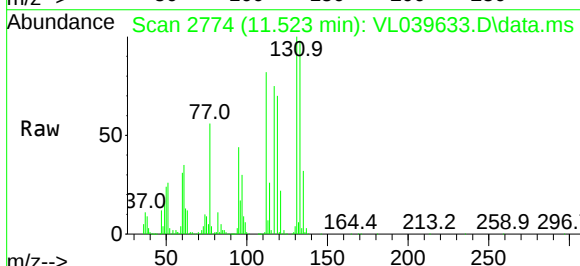
Tgt Ion:131 Resp: 1678426

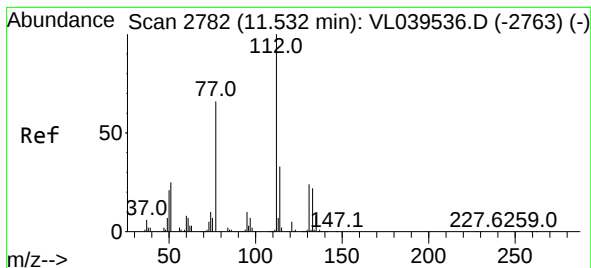
Ion Ratio Lower Upper

131 100

133 96.5 76.8 115.2

119 73.5 46.2 69.4#





#57

Chlorobenzene

Concen: 14.209 ppbv

RT: 11.539 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

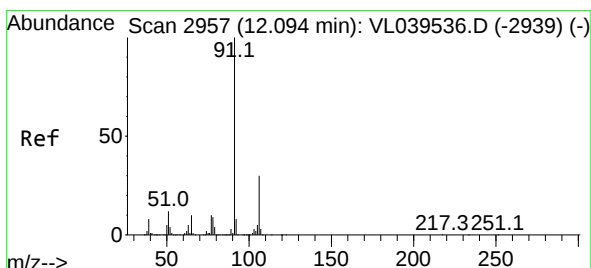
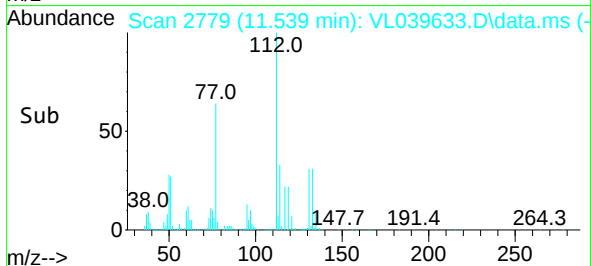
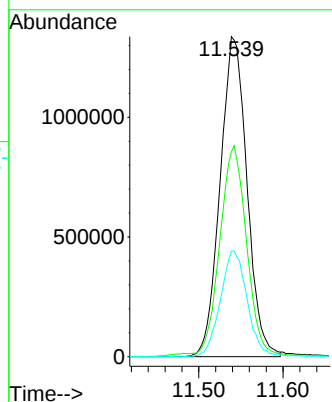
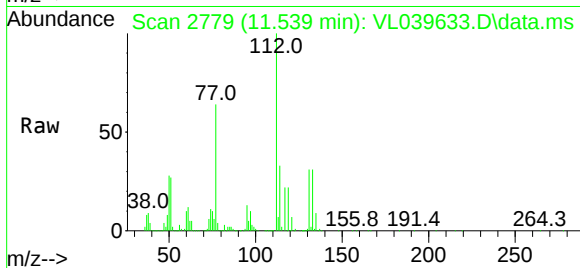
Tgt Ion:112 Resp: 2955639

Ion Ratio Lower Upper

112 100

77 63.2 51.0 76.4

114 33.0 27.5 33.6



#58

Ethyl Benzene

Concen: 15.817 ppbv

RT: 12.101 min Scan# 2954

Delta R.T. 0.007 min

Lab File: VL039633.D

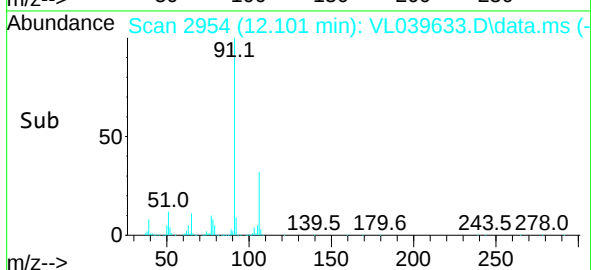
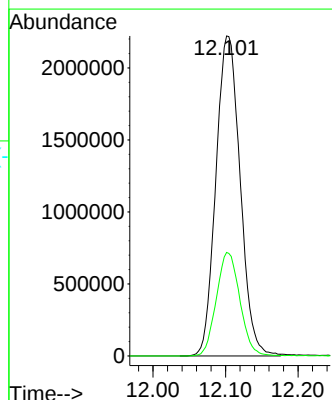
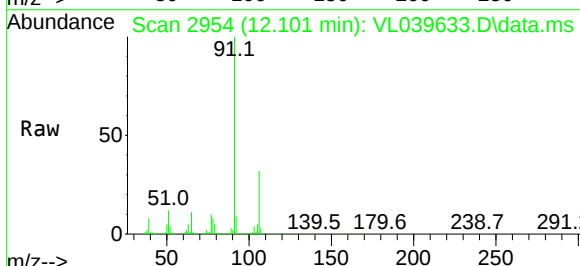
Acq: 19 Sep 2022 13:43

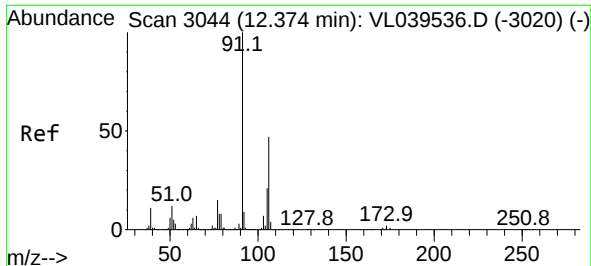
Tgt Ion: 91 Resp: 5158681

Ion Ratio Lower Upper

91 100

106 32.3 25.4 38.0





#59

m/p-Xylene

Concen: 15.232 ppbv

RT: 12.388 min Scan# 3044

Delta R.T. 0.013 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

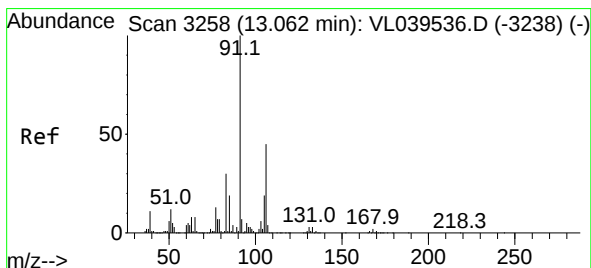
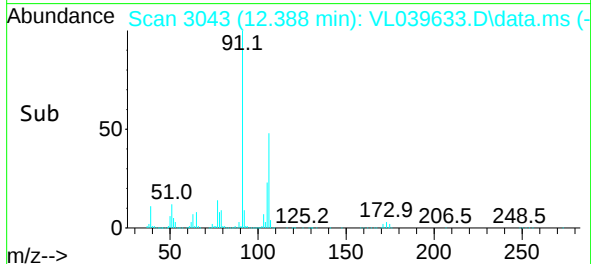
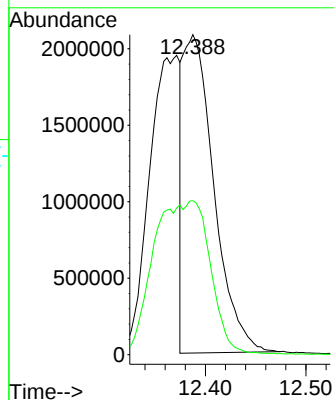
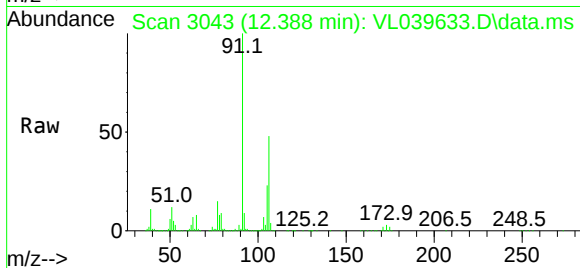
VSTDIC015

Tgt Ion: 91 Resp: 4421176

Ion Ratio Lower Upper

91 100

106 89.6 35.4 53.2#



#60

o-Xylene

Concen: 15.044 ppbv

RT: 13.072 min Scan# 3256

Delta R.T. 0.010 min

Lab File: VL039633.D

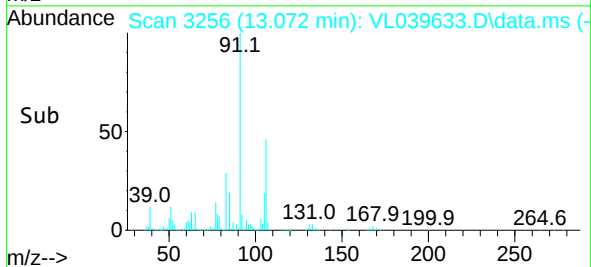
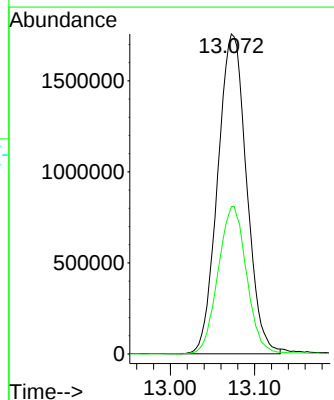
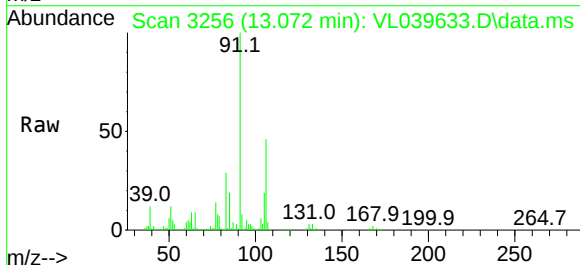
Acq: 19 Sep 2022 13:43

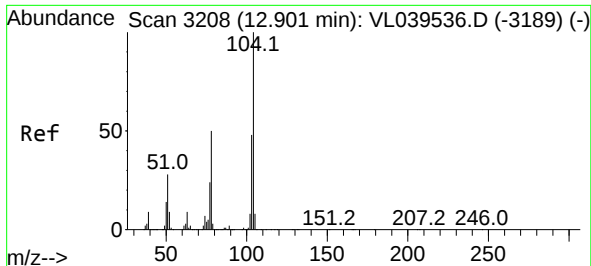
Tgt Ion: 91 Resp: 4169775

Ion Ratio Lower Upper

91 100

106 45.8 22.4 67.3

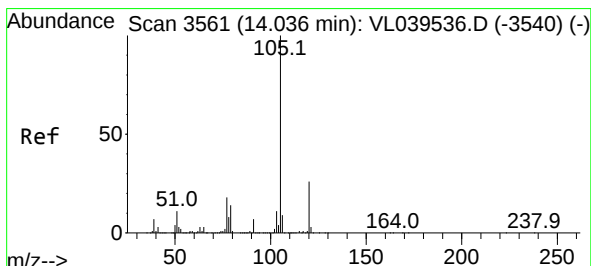
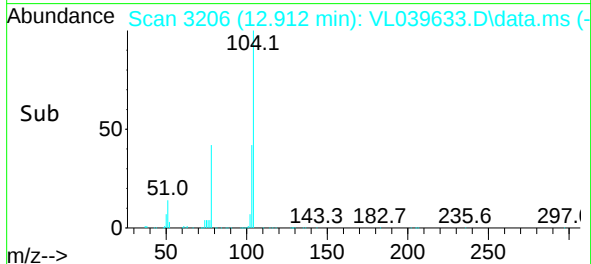
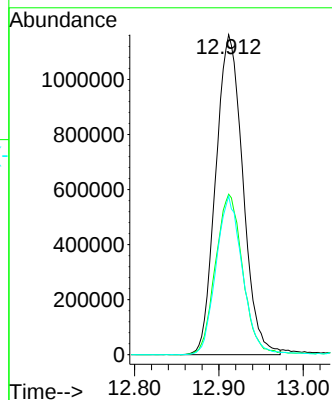
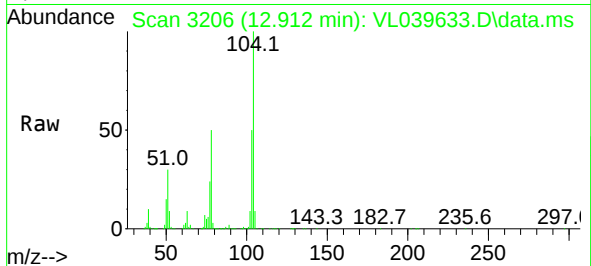




#61  
Styrene  
Concen: 17.392 ppbv  
RT: 12.912 min Scan# 31  
Delta R.T. 0.010 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

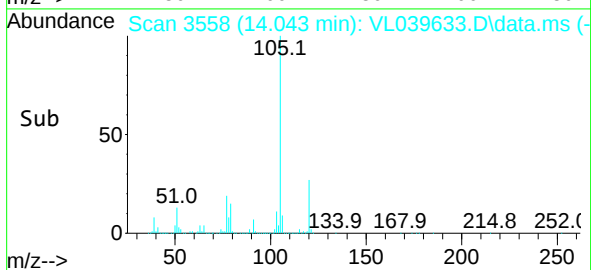
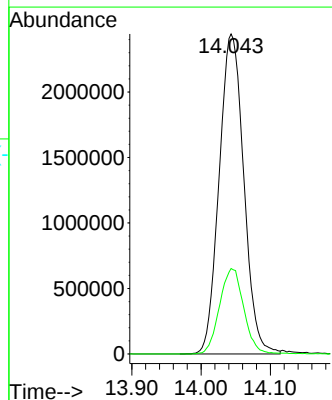
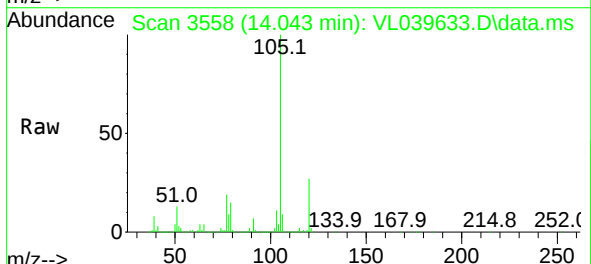
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

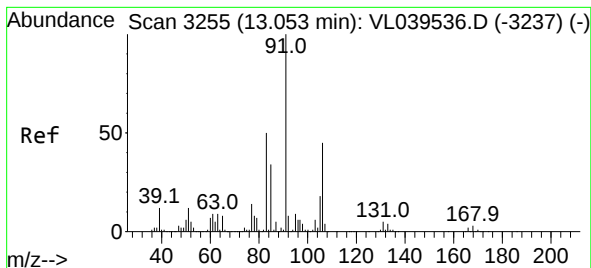
Tgt Ion:104 Resp: 2596163  
Ion Ratio Lower Upper  
104 100  
78 50.7 41.2 61.8  
103 48.5 38.7 58.1



#62  
Isopropylbenzene  
Concen: 14.475 ppbv  
RT: 14.043 min Scan# 3558  
Delta R.T. 0.007 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

Tgt Ion:105 Resp: 6037212  
Ion Ratio Lower Upper  
105 100  
120 26.3 20.7 31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 14.432 ppbv

RT: 13.060 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

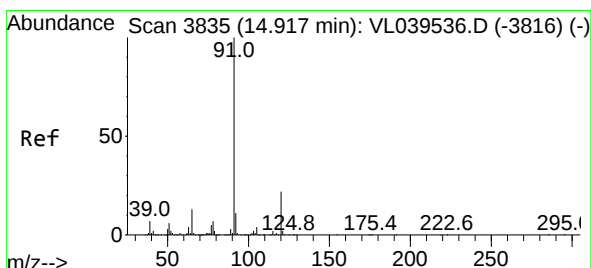
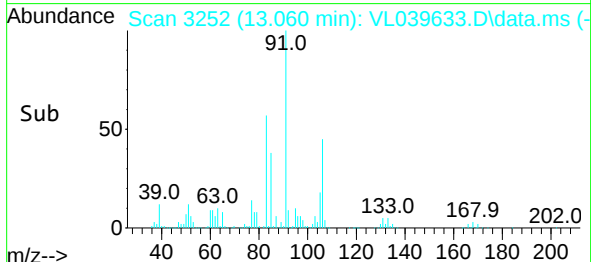
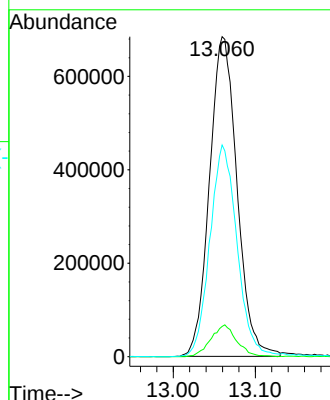
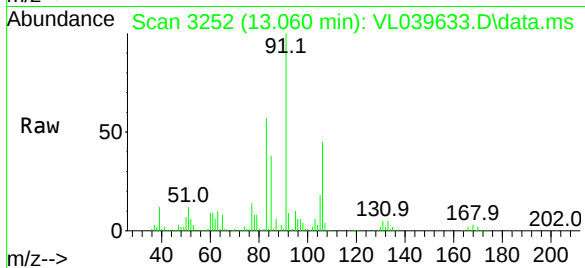
MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 1595577

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 9.4   | 5.3   | 15.8  |
| 85  | 66.2  | 33.1  | 99.5  |



#64

n-propylbenzene

Concen: 15.148 ppbv

RT: 14.934 min Scan# 3835

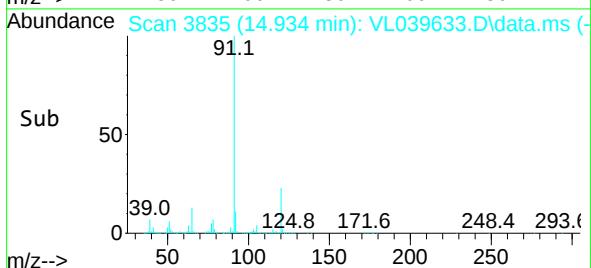
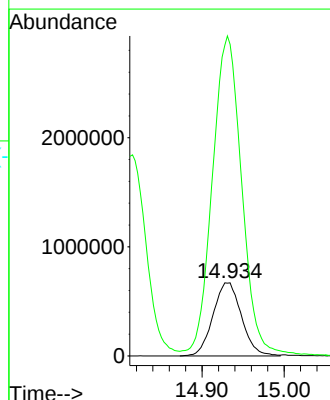
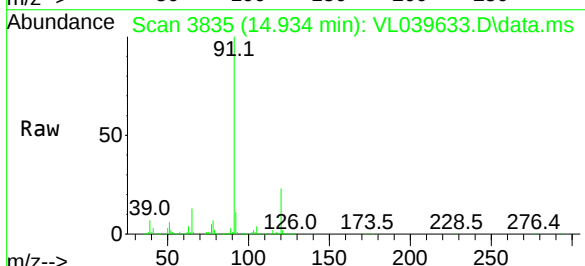
Delta R.T. 0.017 min

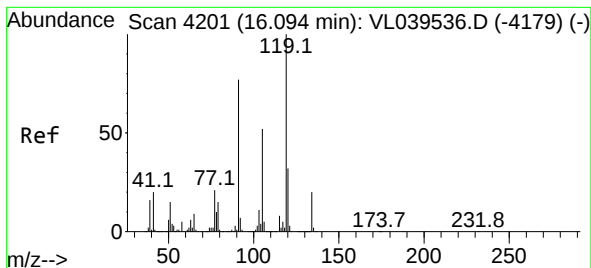
Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Tgt Ion:120 Resp: 1617891

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 120 | 100   |       |       |
| 91  | 453.2 | 367.2 | 550.8 |





#65

tert-Butylbenzene

Concen: 14.411 ppbv

RT: 16.104 min Scan# 4199

Delta R.T. 0.010 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

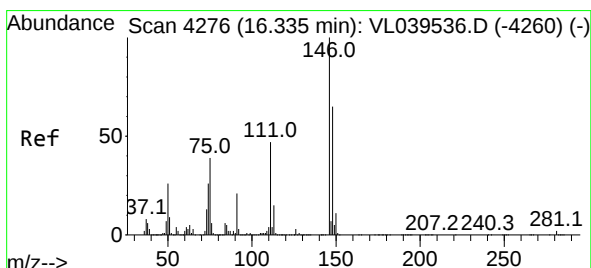
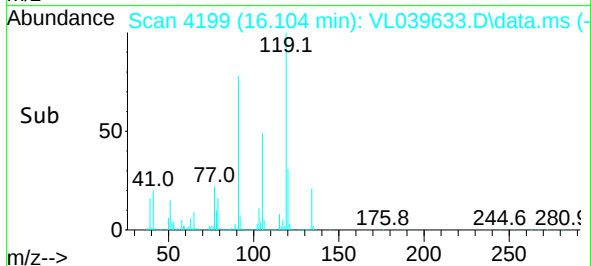
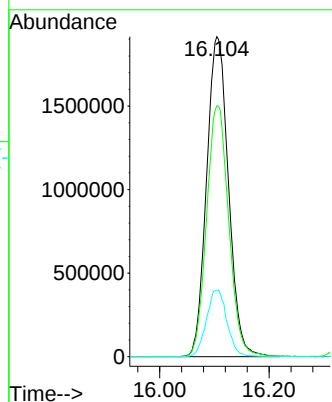
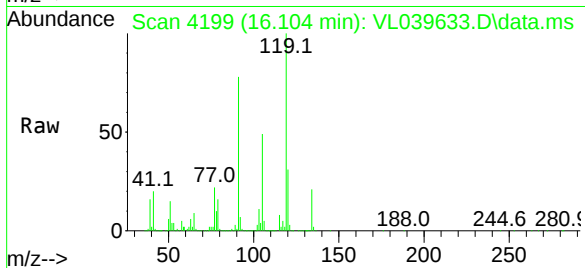
Tgt Ion:119 Resp: 5310193

Ion Ratio Lower Upper

119 100

91 79.6 63.4 95.2

134 19.7 15.9 23.9



#66

Benzyl Chloride

Concen: 18.130 ppbv

RT: 16.339 min Scan# 4272

Delta R.T. 0.004 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

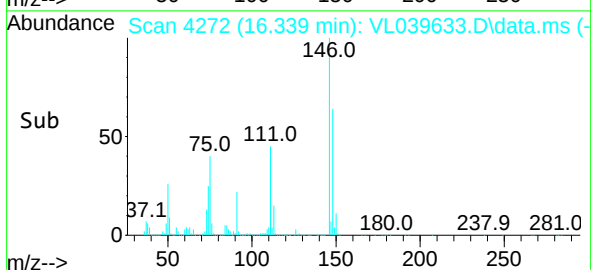
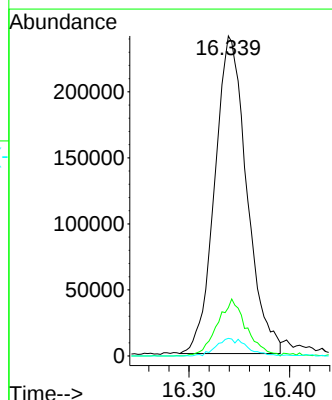
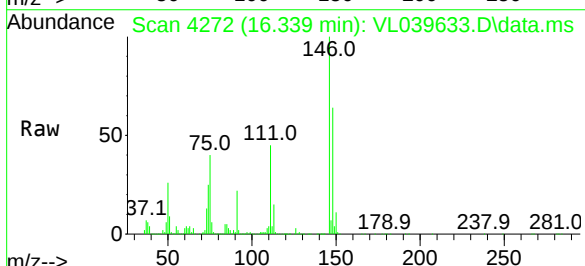
Tgt Ion: 91 Resp: 531916

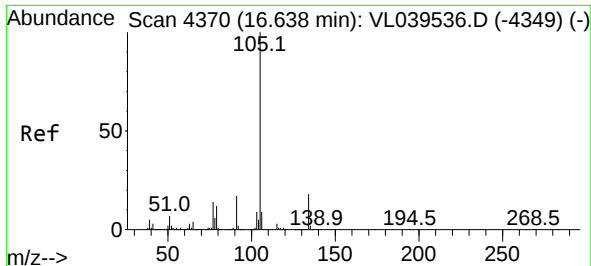
Ion Ratio Lower Upper

91 100

126 16.3 13.1 19.7

128 5.5 4.4 6.6

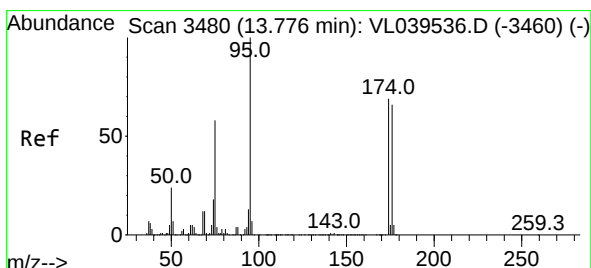
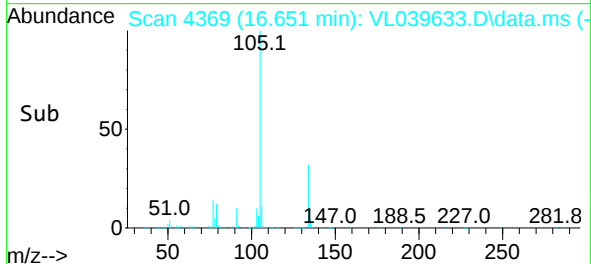
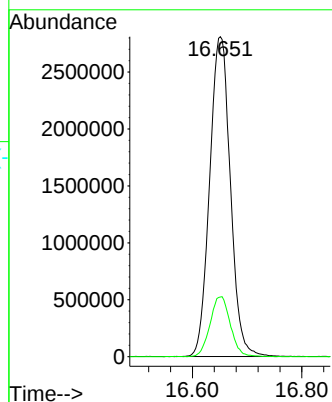
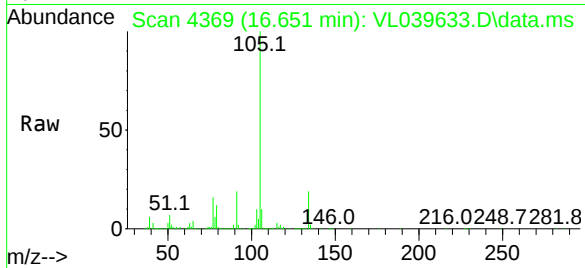




#67  
 sec-Butylbenzene  
 Concen: 14.281 ppbv  
 RT: 16.651 min Scan# 41  
 Delta R.T. 0.013 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

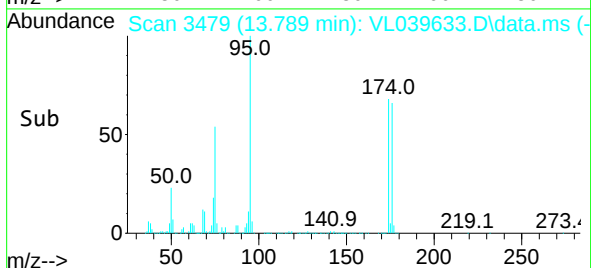
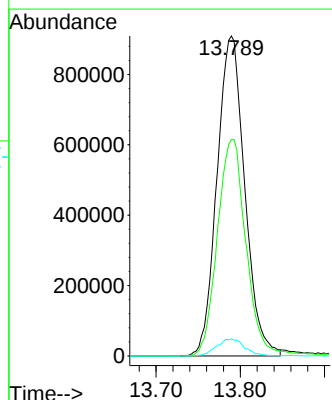
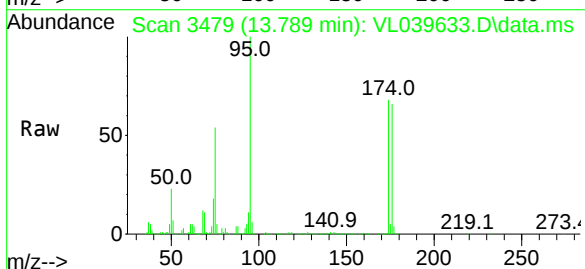
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

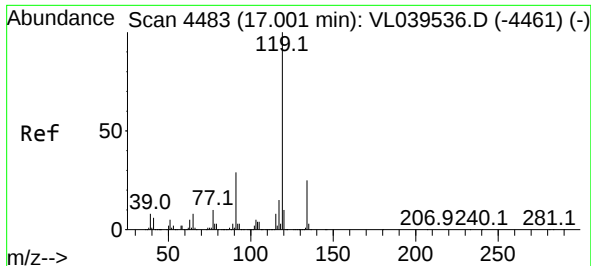
Tgt Ion:105 Resp: 7380826  
 Ion Ratio Lower Upper  
 105 100  
 134 18.5 14.8 22.2



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.844 ppbv  
 RT: 13.789 min Scan# 3479  
 Delta R.T. 0.013 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

Tgt Ion: 95 Resp: 2078713  
 Ion Ratio Lower Upper  
 95 100  
 174 70.4 55.9 83.9  
 175 5.5 4.2 6.4



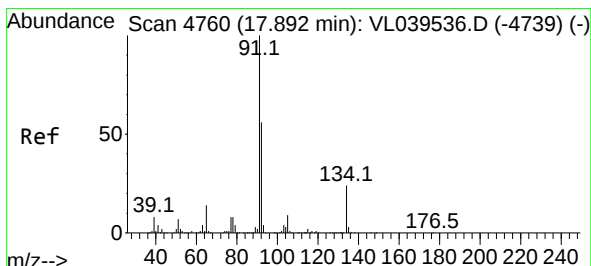
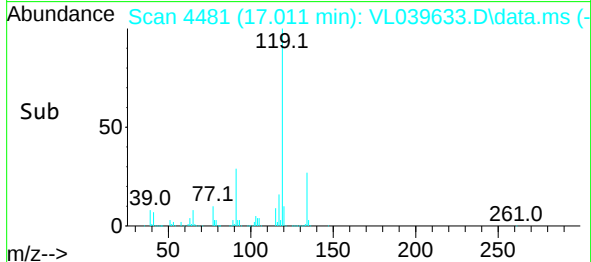
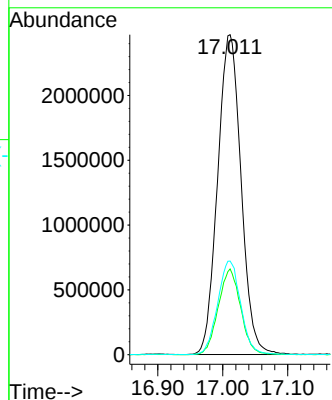
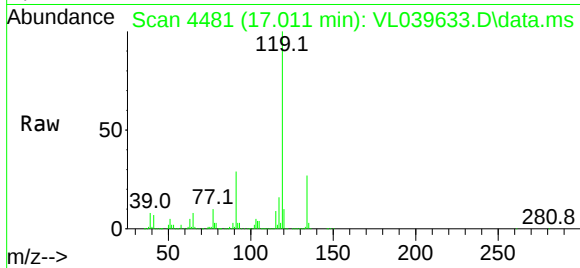


#69  
 p-Isopropyltoluene  
 Concen: 14.527 ppbv  
 RT: 17.011 min Scan# 4483  
 Delta R.T. 0.010 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC015

Tgt Ion: 119 Resp: 6169627  

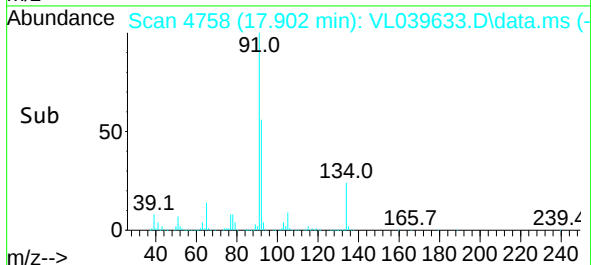
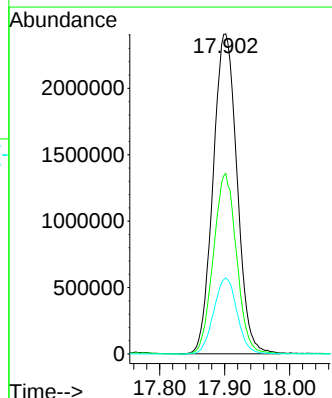
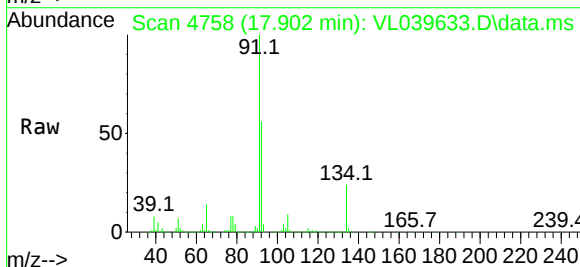
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 119 | 100   |       |       |
| 134 | 25.7  | 20.3  | 30.5  |
| 91  | 28.7  | 22.9  | 34.3  |

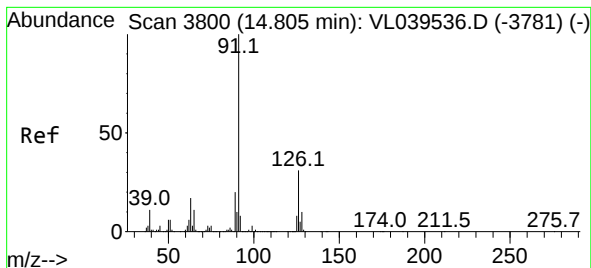


#70  
 n-Butylbenzene  
 Concen: 14.815 ppbv  
 RT: 17.902 min Scan# 4758  
 Delta R.T. 0.010 min  
 Lab File: VL039633.D  
 Acq: 19 Sep 2022 13:43

Tgt Ion: 91 Resp: 6167811  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 54.5  | 43.4  | 65.2  |
| 134 | 23.3  | 18.9  | 28.3  |





#71

2-Chlorotoluene

Concen: 14.843 ppbv

RT: 14.815 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

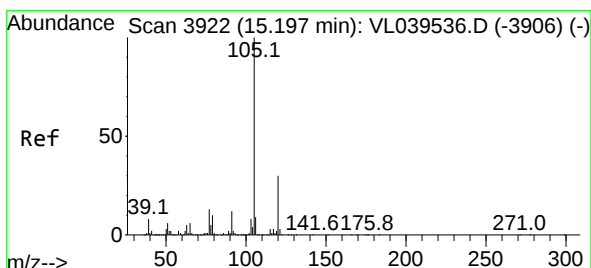
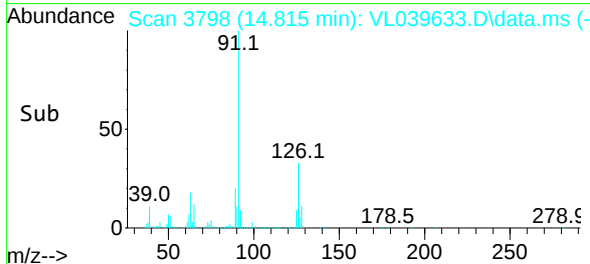
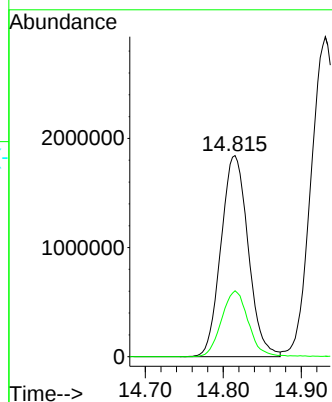
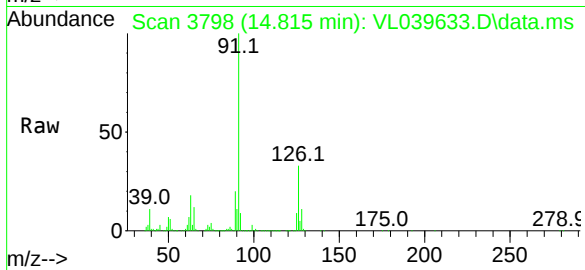
VSTDICC015

Tgt Ion: 91 Resp: 4469767

Ion Ratio Lower Upper

91 100

126 32.7 13.0 51.8



#72

4-Ethyltoluene

Concen: 15.370 ppbv

RT: 15.207 min Scan# 3920

Delta R.T. 0.010 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Tgt Ion: 105 Resp: 4863486

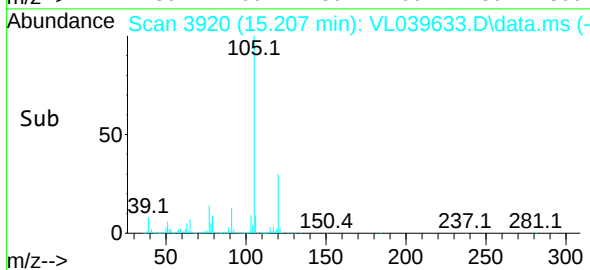
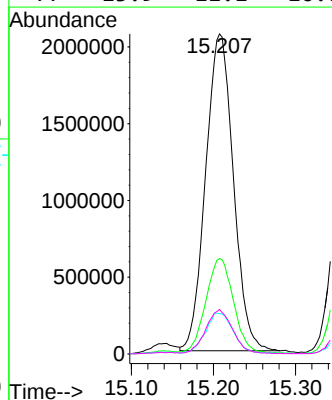
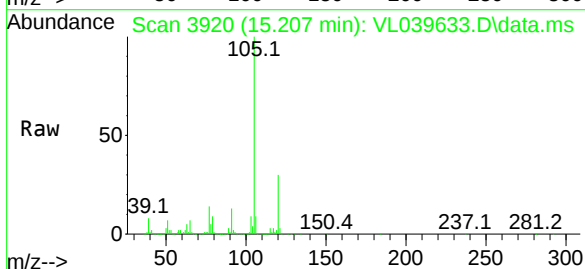
Ion Ratio Lower Upper

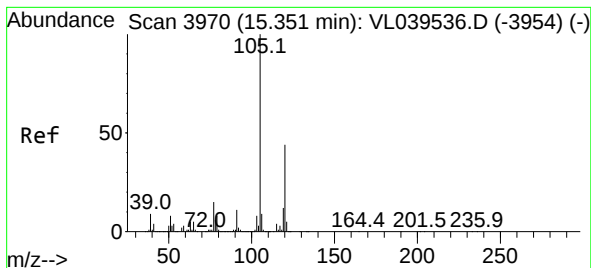
105 100

120 31.6 24.2 36.2

91 13.7 10.2 15.4

77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 15.156 ppbv

RT: 15.365 min Scan# 3969

Delta R.T. 0.013 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

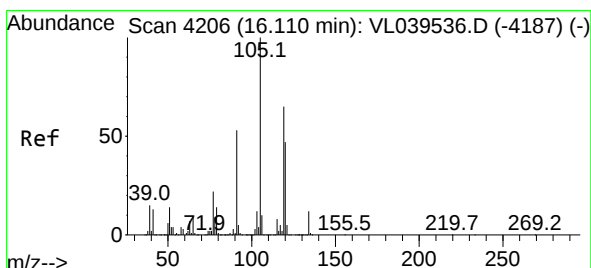
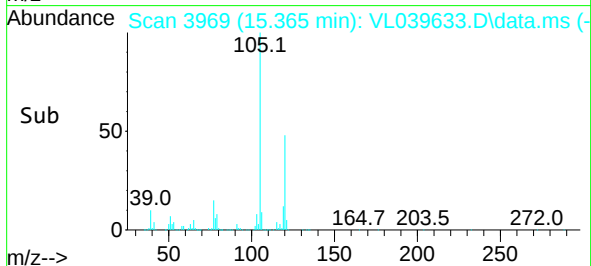
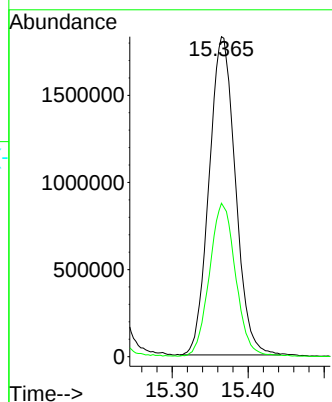
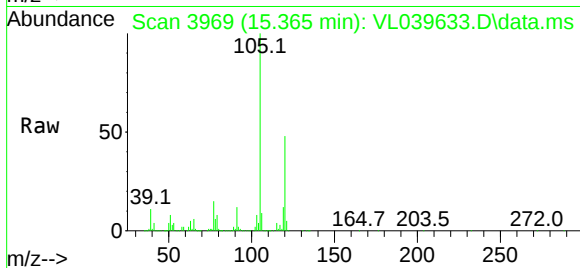
VSTDIC015

Tgt Ion:105 Resp: 4388415

Ion Ratio Lower Upper

105 100

120 48.0 38.2 57.4



#74

1,2,4-Trimethylbenzene

Concen: 14.487 ppbv

RT: 16.124 min Scan# 4205

Delta R.T. 0.013 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Tgt Ion:105 Resp: 4701966

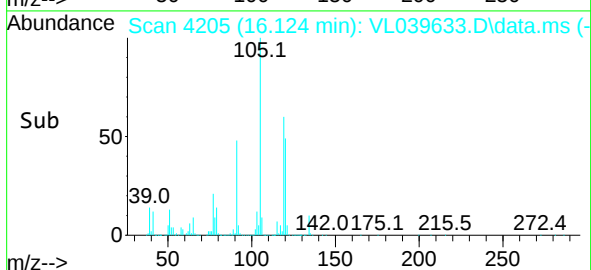
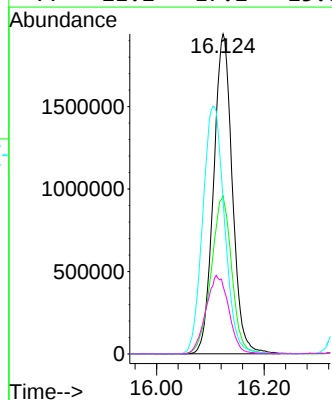
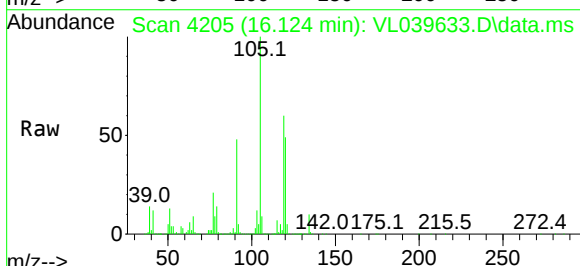
Ion Ratio Lower Upper

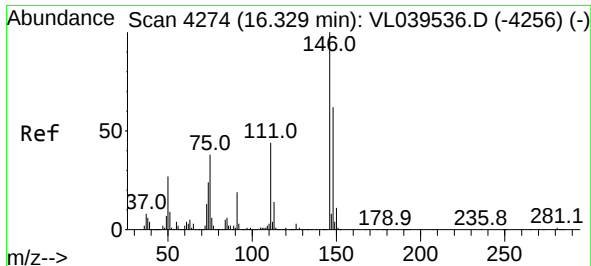
105 100

120 49.3 39.5 59.3

91 47.9 39.2 58.8

77 21.2 17.2 25.8

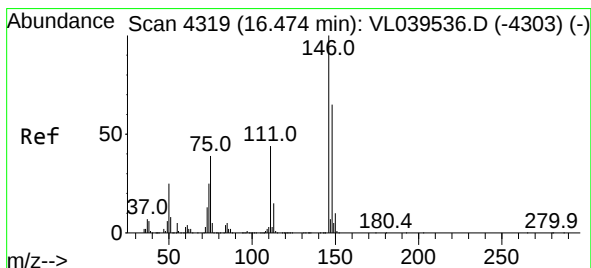
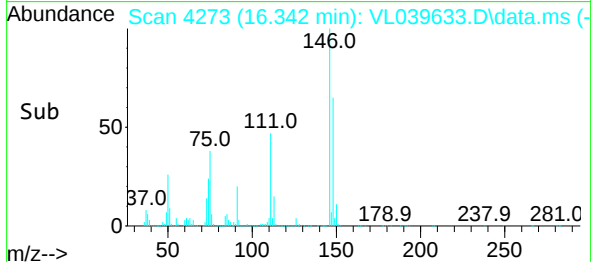
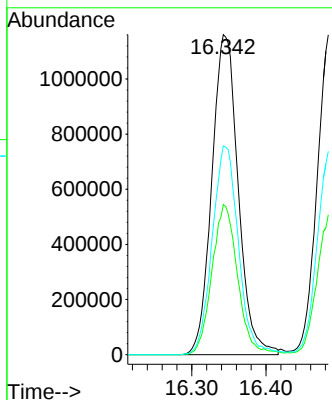
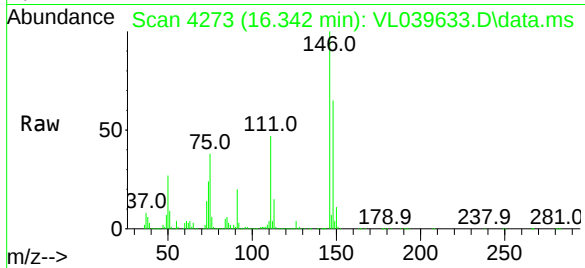




#75  
1,3-Dichlorobenzene  
Concen: 14.771 ppbv  
RT: 16.342 min Scan# 41  
Delta R.T. 0.013 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

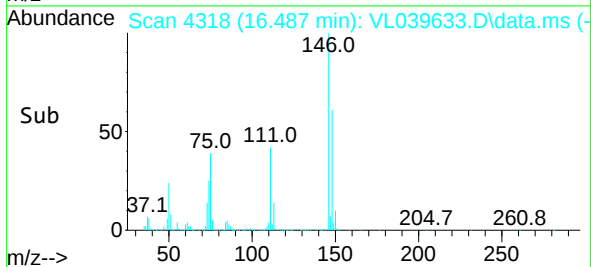
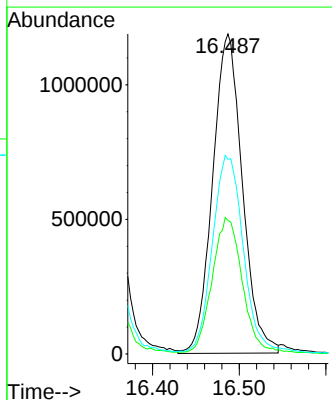
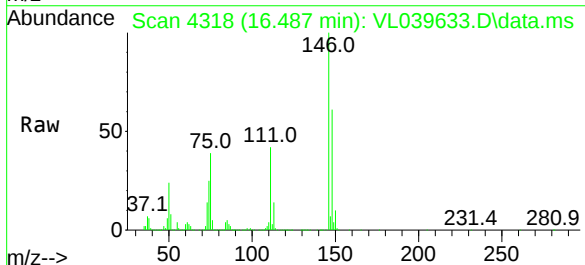
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

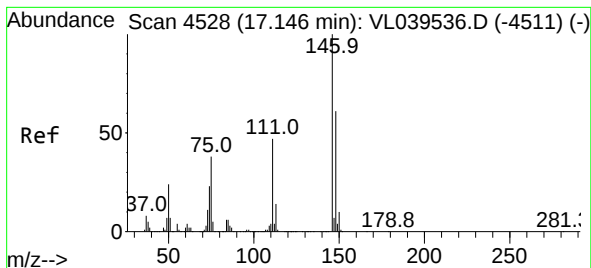
Tgt Ion:146 Resp: 2860579  
Ion Ratio Lower Upper  
146 100  
111 45.8 22.9 68.7  
148 64.9 32.1 96.5



#76  
1,4-Dichlorobenzene  
Concen: 14.578 ppbv  
RT: 16.487 min Scan# 4318  
Delta R.T. 0.013 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

Tgt Ion:146 Resp: 2824251  
Ion Ratio Lower Upper  
146 100  
111 43.9 22.9 68.8  
148 66.0 33.6 100.8





#77

1,2-Dichlorobenzene

Concen: 14.336 ppbv

RT: 17.156 min Scan# 4528

Delta R.T. 0.010 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

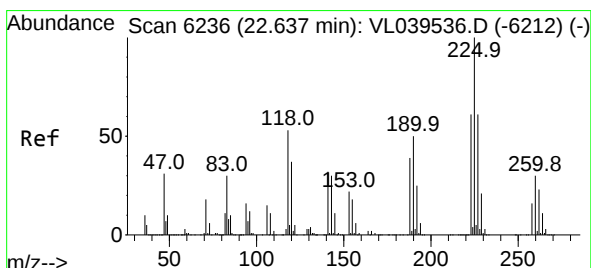
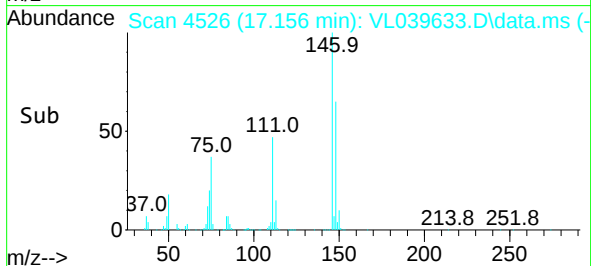
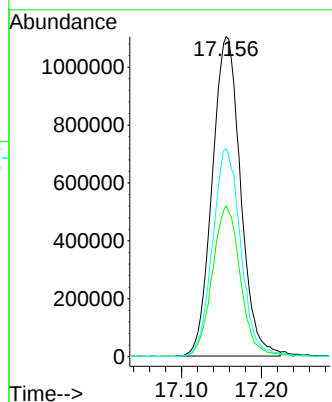
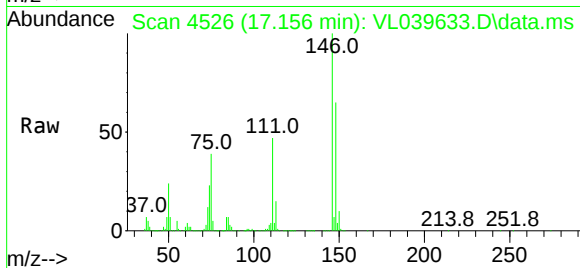
Tgt Ion:146 Resp: 2707311

Ion Ratio Lower Upper

146 100

111 47.1 23.8 71.5

148 65.3 32.3 96.8



#78

Hexachloro-1,3-Butadiene

Concen: 13.060 ppbv

RT: 22.648 min Scan# 6234

Delta R.T. 0.010 min

Lab File: VL039633.D

Acq: 19 Sep 2022 13:43

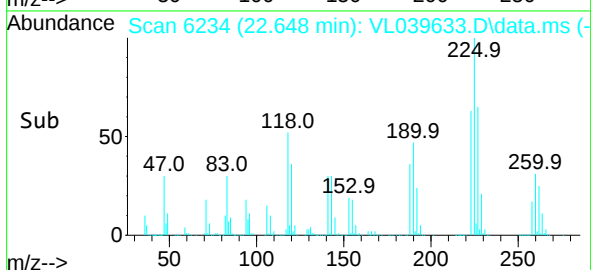
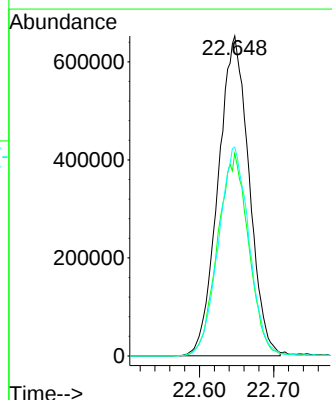
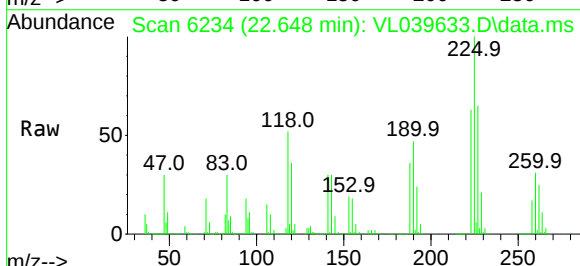
Tgt Ion:225 Resp: 1884547

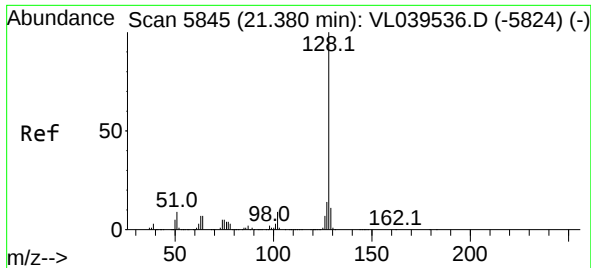
Ion Ratio Lower Upper

225 100

223 63.7 51.8 77.6

227 65.3 51.4 77.2

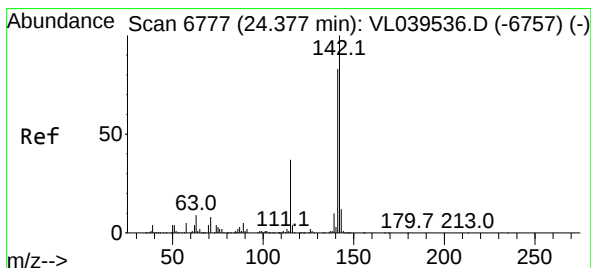
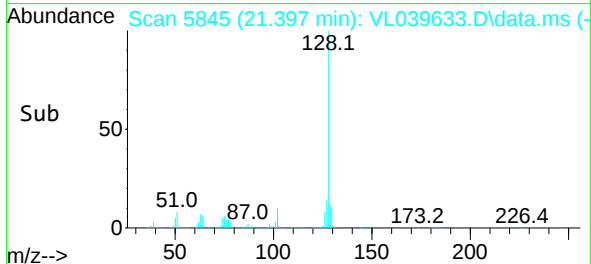
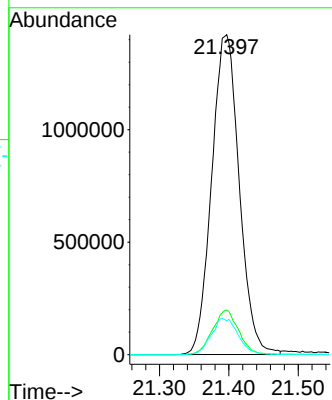
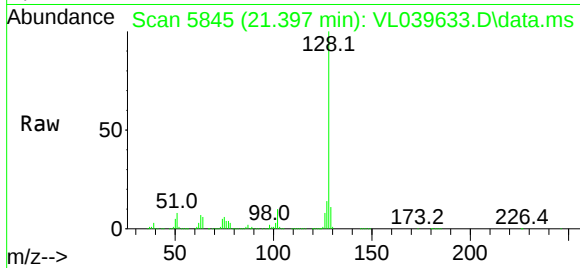




#79  
Naphthalene  
Concen: 18.349 ppbv  
RT: 21.397 min Scan# 5845  
Delta R.T. 0.017 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

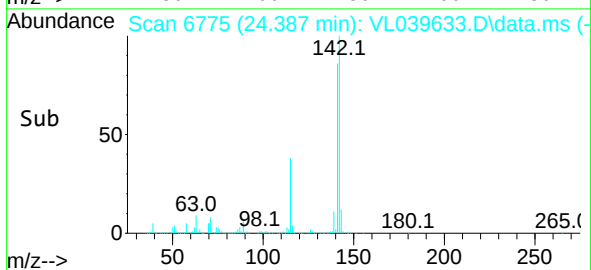
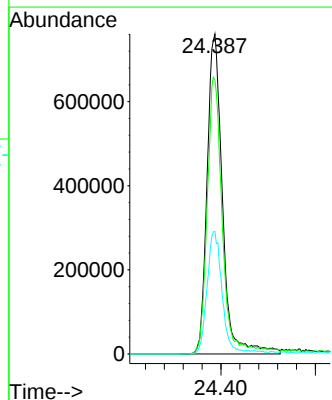
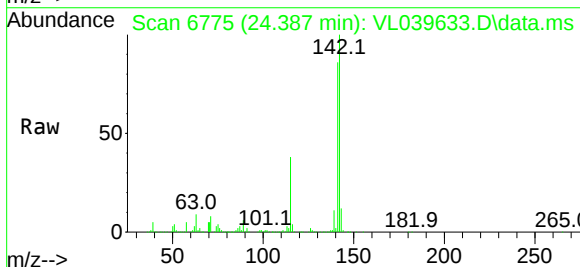
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

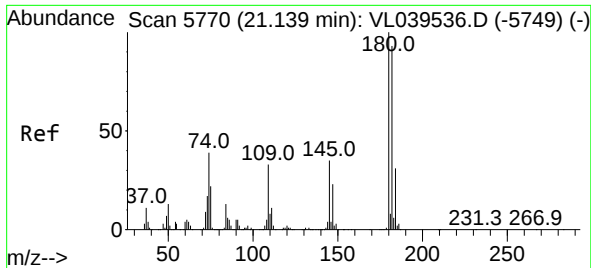
Tgt Ion:128 Resp: 3930133  
Ion Ratio Lower Upper  
128 100  
127 14.0 10.6 15.8  
129 10.6 8.8 13.2



#80  
Naphthalene,2-methyl-  
Concen: 21.305 ppbv  
RT: 24.387 min Scan# 6775  
Delta R.T. 0.010 min  
Lab File: VL039633.D  
Acq: 19 Sep 2022 13:43

Tgt Ion:142 Resp: 1715761  
Ion Ratio Lower Upper  
142 100  
141 87.4 68.9 103.3  
115 38.9 30.0 45.0





#81

1,2,4-Trichlorobenzene

Concen: 15.793 ppbv

RT: 21.152 min Scan# 51

Delta R.T. 0.013 min

Lab File: VL039633.D

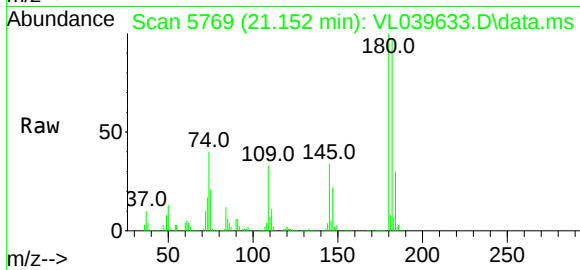
Acq: 19 Sep 2022 13:43

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 2221844

Ion Ratio Lower Upper

180 100

182 95.6 77.1 115.7

184 30.2 24.3 36.5

