

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL090821\  
 Data File : VL037583.D  
 Acq On : 8 Sep 2021 22:35  
 Operator : SY/AP  
 Sample : M3663-03DL 10X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 OA-1DL

Manual Integrations  
 APPROVED

MMDadoda  
 9/10/2021 10:53:29 AM

Quant Time: Sep 09 09:14:46 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL081621AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Aug 17 02:13:47 2021  
 QLast Update : Tue Aug 17 02:13:47 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.677  | 49    | 1547774  | 10.000   | ppbv   | 0.03     |
| 33) 1,4-Difluorobenzene     | 7.185  | 114   | 4560982  | 10.000   | ppbv   | 0.03     |
| 55) Chlorobenzene-d5        | 12.098 | 117   | 3914666  | 10.000   | ppbv   | 0.04     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 14.426 | 95    | 2825189  | 10.158   | ppbv   | 0.03     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 101.600% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 9) Propene                  | 3.015  | 41    | 23845m   | 0.225    | ppbv   |          |
| 13) Ethanol                 | 3.632  | 45    | 39304m   | 3.809    | ppbv   |          |
| 15) Acetone                 | 3.870  | 43    | 180329   | 1.145    | ppbv # | 63       |
| 20) Methylene Chloride      | 4.353  | 84    | 69843    | 0.886    | ppbv   | 93       |
| 26) Hexane                  | 5.697  | 57    | 72796    | 0.372    | ppbv # | 47       |
| 52) Tetrachloroethene       | 11.246 | 164   | 8125m    | 0.052    | ppbv   |          |
| 53) Toluene                 | 9.819  | 91    | 87543m   | 0.200    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

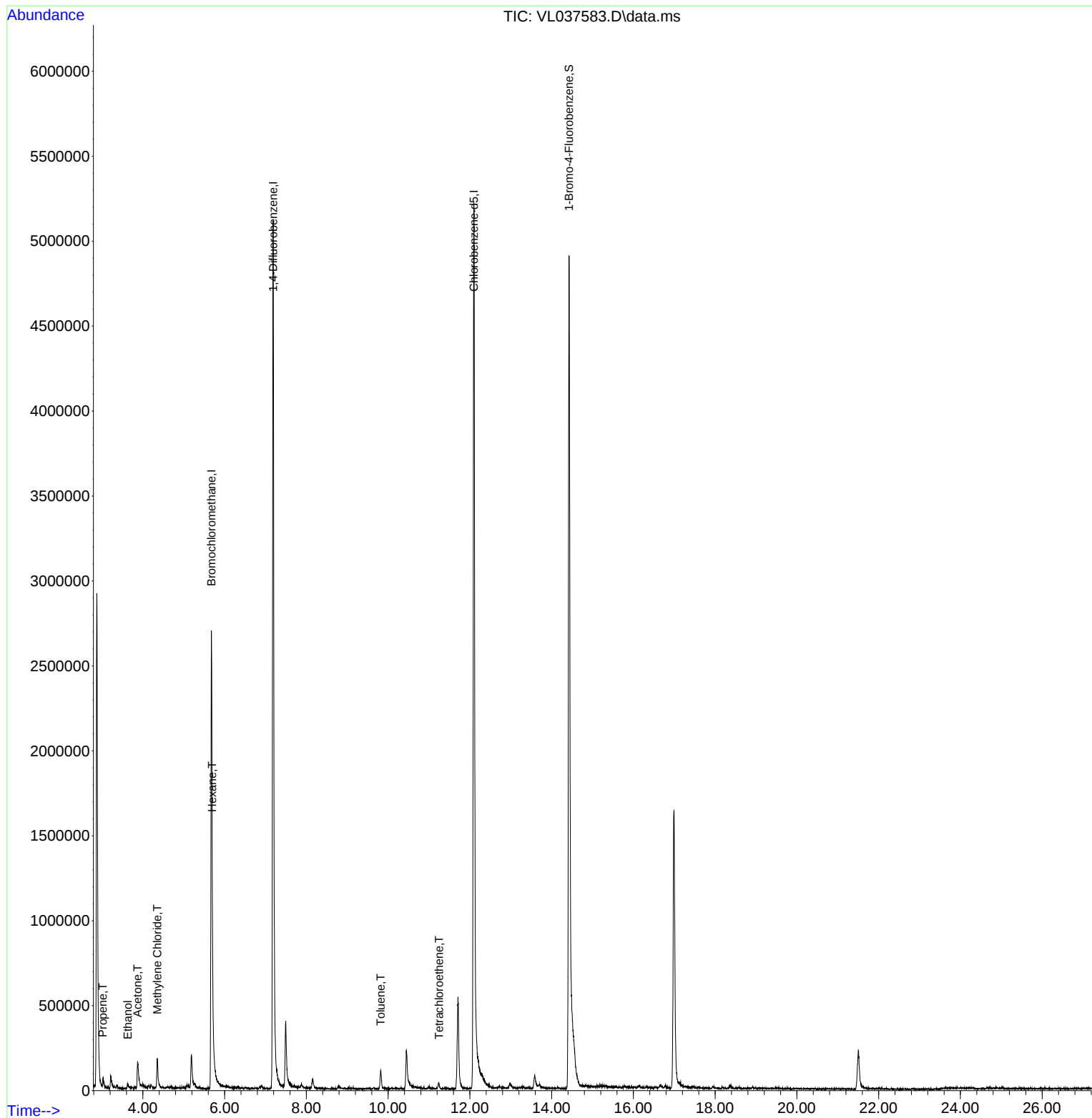
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL090821\  
Data File : VL037583.D  
Acq On : 8 Sep 2021 22:35  
Operator : SY/AP  
Sample : M3663-03DL 10X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

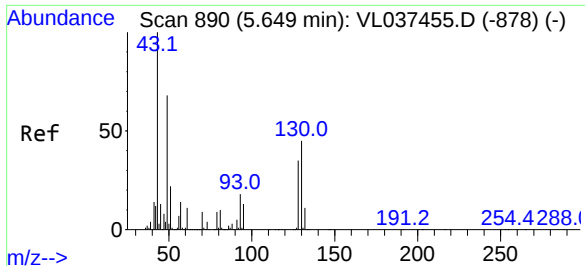
Instrument :  
MSVOA\_L  
ClientSampleId :  
OA-1DL

Manual Integrations  
APPROVED

MMDadoda  
9/10/2021 10:53:29 AM

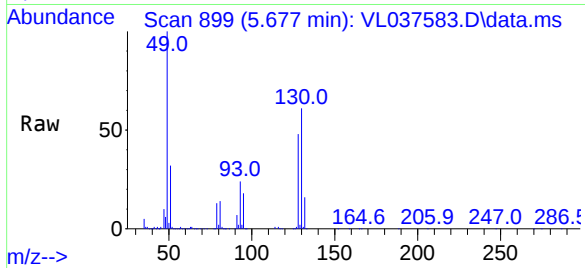
Quant Time: Sep 09 09:14:46 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL081621AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Aug 17 02:13:47 2021  
QLast Update : Tue Aug 17 02:13:47 2021  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.677 min Scan# 899  
Delta R.T. 0.029 min  
Lab File: VL037583.D  
Acq: 8 Sep 2021 22:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
OA-1DL

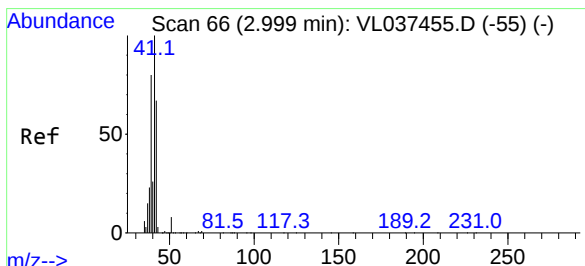
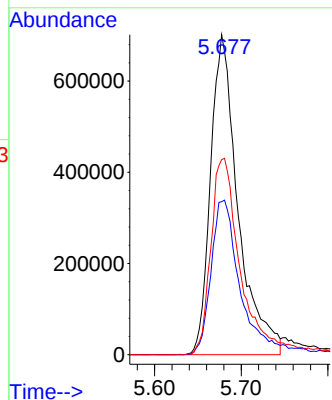
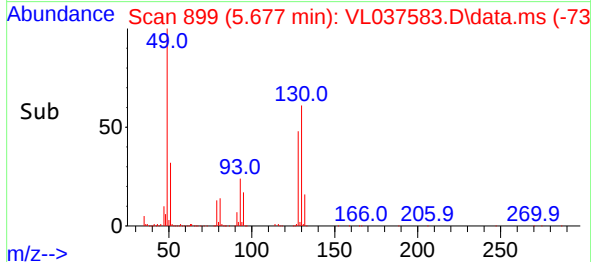


Tgt Ion: 49 Resp: 1547774

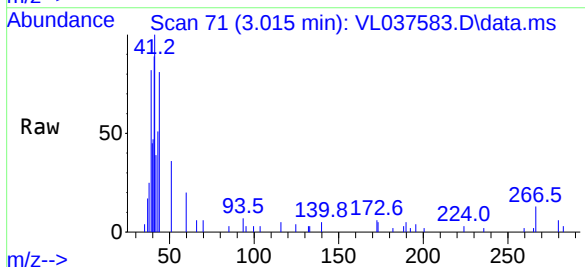
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 128 | 53.9  | 27.5  | 82.4  |
| 130 | 68.9  | 34.0  | 101.8 |

Manual Integrations  
APPROVED

MMDadoda  
9/10/2021 10:53:29 AM

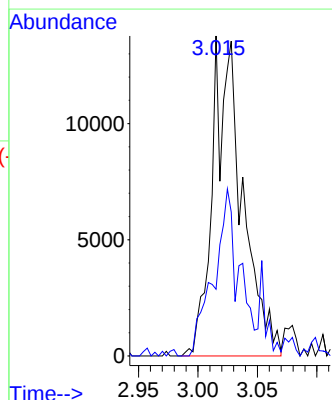
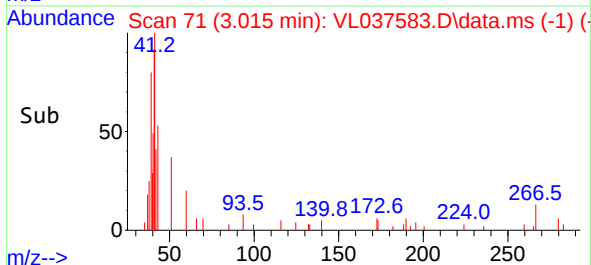


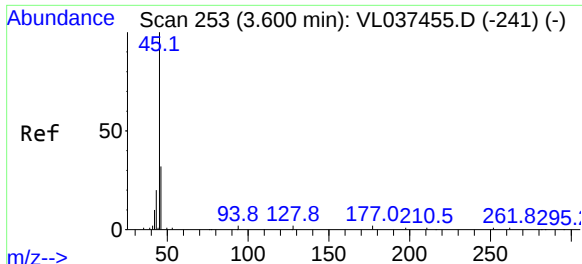
#9  
Propene  
Concen: 0.225 ppbv m  
RT: 3.015 min Scan# 71  
Delta R.T. 0.016 min  
Lab File: VL037583.D  
Acq: 8 Sep 2021 22:35



Tgt Ion: 41 Resp: 23845

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 42  | 16.5  | 53.7  | 80.5  |





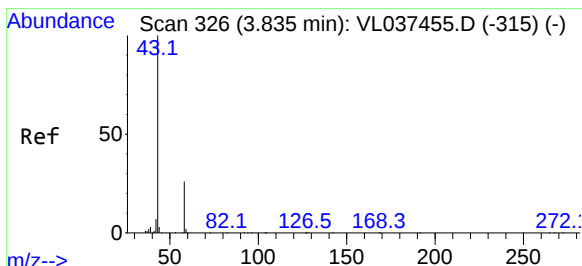
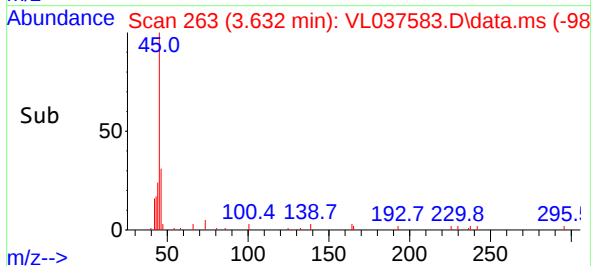
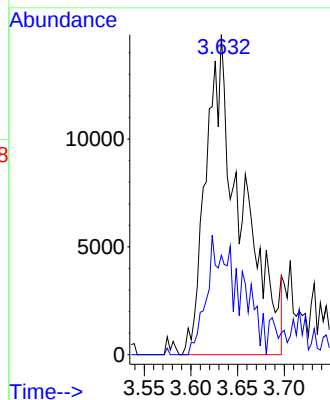
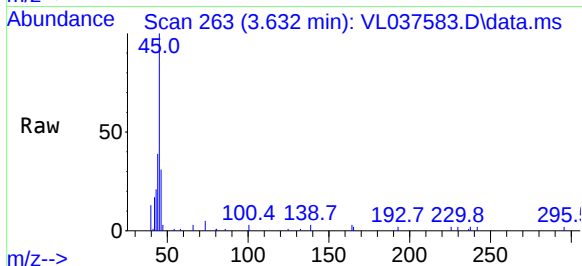
#13  
Ethanol  
Concen: 3.809 ppbv m  
RT: 3.632 min Scan# 263  
Delta R.T. 0.032 min  
Lab File: VL037583.D  
Acq: 8 Sep 2021 22:35

Tgt Ion: 45 Resp: 39304  
Ion Ratio Lower Upper  
45 100  
46 38.4 14.1 56.5

Instrument :  
MSVOA\_L  
ClientSampleId :  
OA-1DL

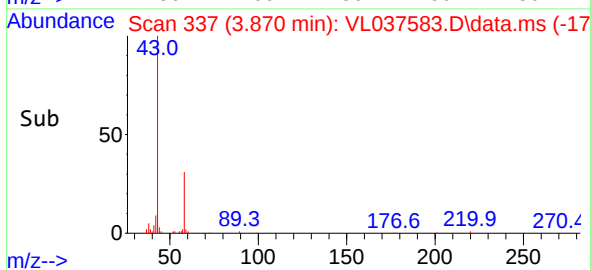
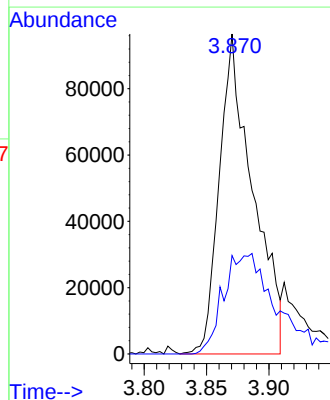
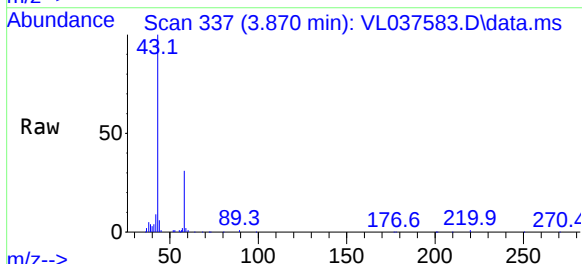
Manual Integrations  
APPROVED

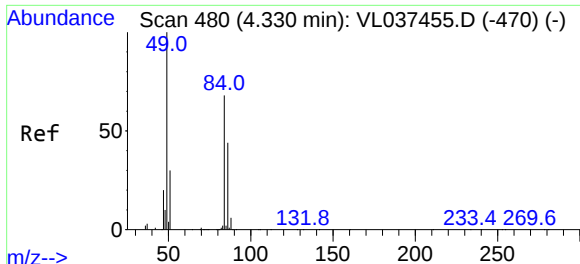
MMDadoda  
9/10/2021 10:53:29 AM



#15  
Acetone  
Concen: 1.145 ppbv  
RT: 3.870 min Scan# 337  
Delta R.T. 0.035 min  
Lab File: VL037583.D  
Acq: 8 Sep 2021 22:35

Tgt Ion: 43 Resp: 180329  
Ion Ratio Lower Upper  
43 100  
58 51.6 24.8 37.2#





#20  
Methylene Chloride  
Concen: 0.886 ppbv  
RT: 4.353 min Scan# 487  
Delta R.T. 0.022 min  
Lab File: VL037583.D  
Acq: 8 Sep 2021 22:35

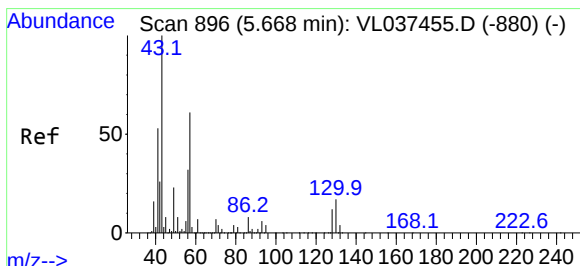
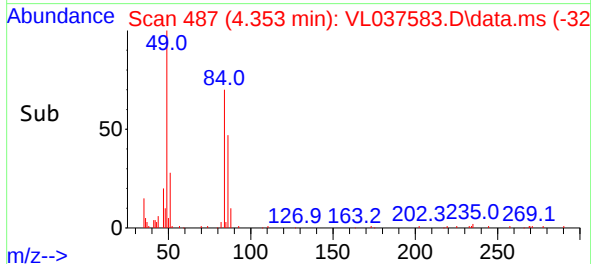
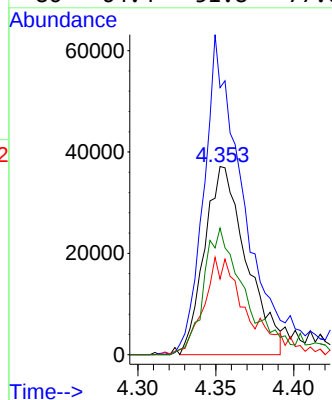
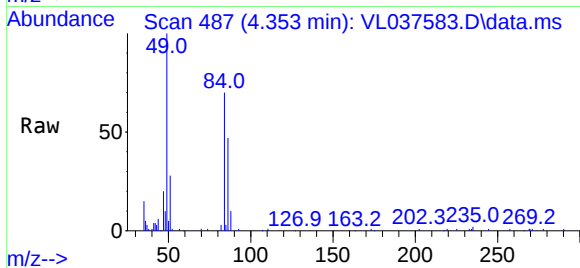
Tgt Ion: 84 Resp: 69843

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 136.4 | 118.2 | 177.2 |
| 51  | 37.6  | 36.6  | 55.0  |
| 86  | 64.4  | 51.8  | 77.6  |

Instrument :  
MSVOA\_L  
ClientSampled :  
OA-1DL

Manual Integrations  
APPROVED

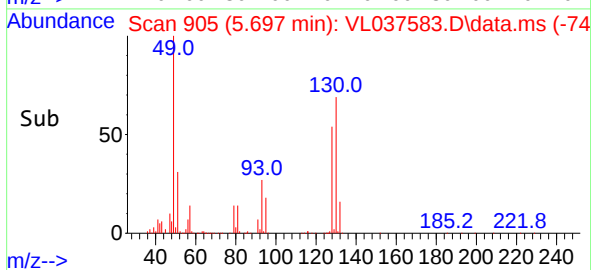
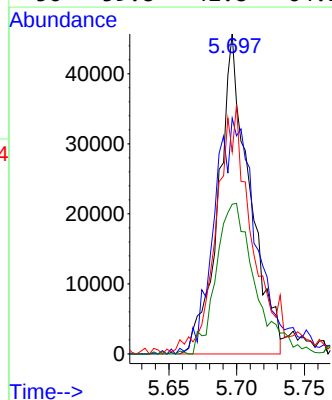
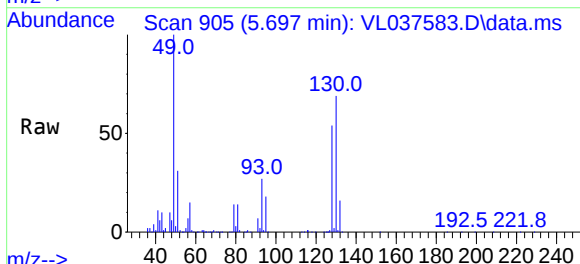
MMDadoda  
9/10/2021 10:53:29 AM

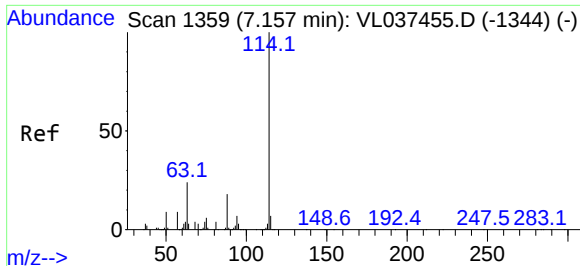


#26  
Hexane  
Concen: 0.372 ppbv  
RT: 5.697 min Scan# 905  
Delta R.T. 0.029 min  
Lab File: VL037583.D  
Acq: 8 Sep 2021 22:35

Tgt Ion: 57 Resp: 72796

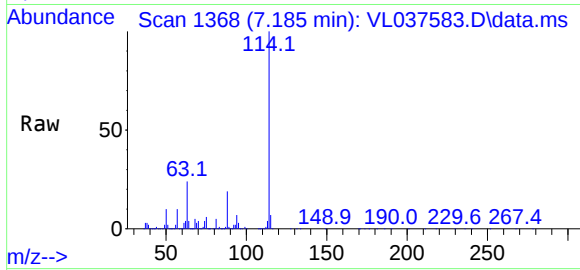
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 57  | 100   |       |        |
| 41  | 107.0 | 72.3  | 108.5  |
| 43  | 90.8  | 172.3 | 258.5# |
| 56  | 59.8  | 42.8  | 64.2   |





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.185 min Scan# 1368  
Delta R.T. 0.029 min  
Lab File: VL037583.D  
Acq: 8 Sep 2021 22:35

Instrument :  
MSVOA\_L  
ClientSampled :  
OA-1DL

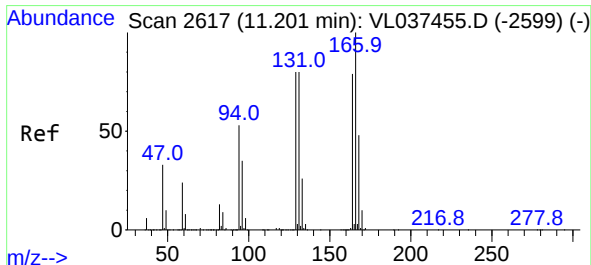
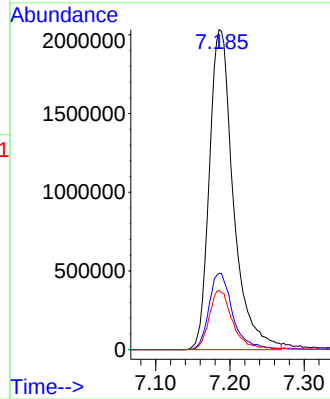
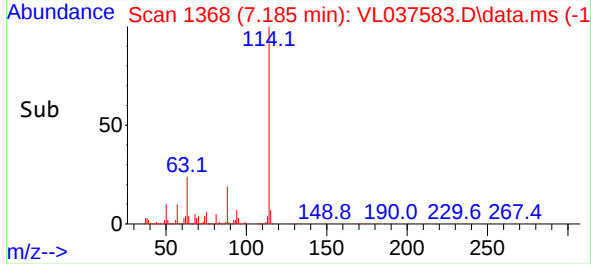


Tgt Ion:114 Resp: 4560982

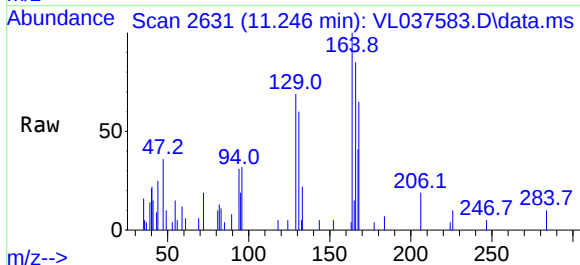
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 24.3  | 19.3  | 28.9  |
| 88  | 18.2  | 14.2  | 21.4  |

Manual Integrations  
APPROVED

MMDadoda  
9/10/2021 10:53:29 AM

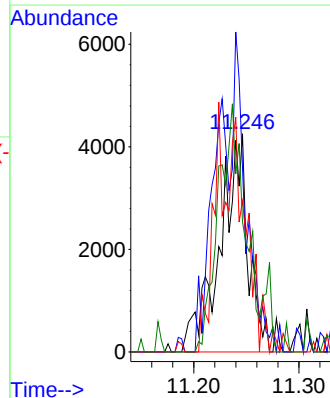
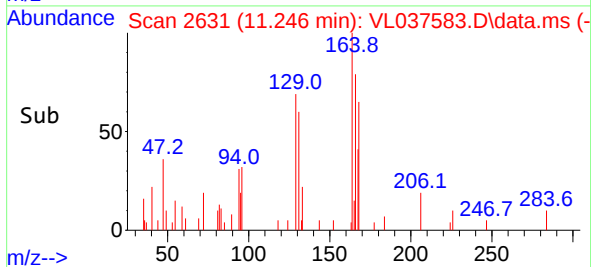


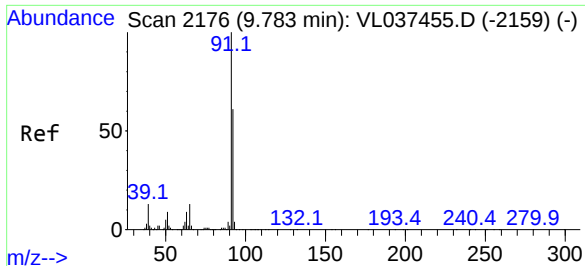
#52  
Tetrachloroethene  
Concen: 0.052 ppbv m  
RT: 11.246 min Scan# 2631  
Delta R.T. 0.045 min  
Lab File: VL037583.D  
Acq: 8 Sep 2021 22:35



Tgt Ion:164 Resp: 8125

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 164 | 100   |       |        |
| 166 | 84.8  | 100.7 | 151.1# |
| 129 | 69.2  | 80.9  | 121.3# |
| 131 | 59.8  | 80.2  | 120.4# |





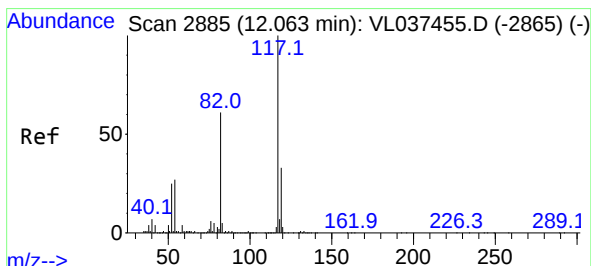
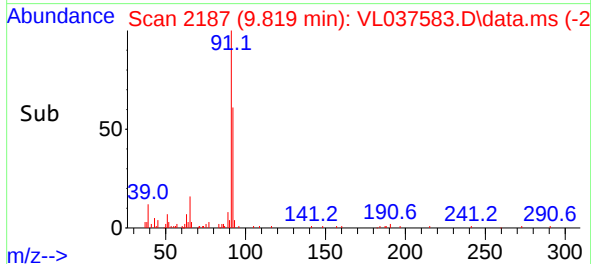
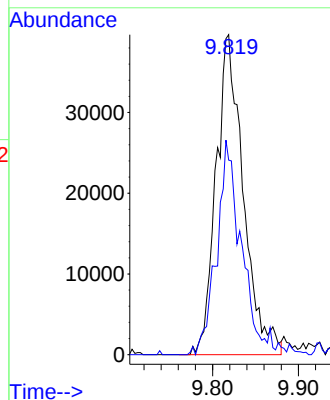
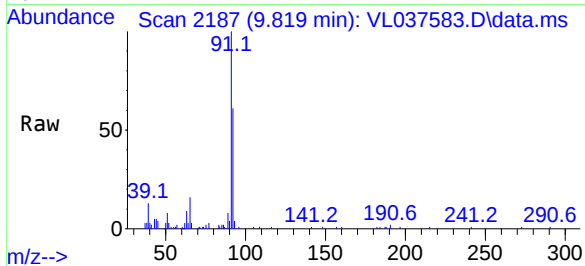
#53  
Toluene  
Concen: 0.200 ppbv m  
RT: 9.819 min Scan# 2187  
Delta R.T. 0.035 min  
Lab File: VL037583.D  
Acq: 8 Sep 2021 22:35

Tgt Ion: 91 Resp: 87543  
Ion Ratio Lower Upper  
91 100  
92 61.9 48.8 73.2

Instrument :  
MSVOA\_L  
ClientSampleId :  
OA-1DL

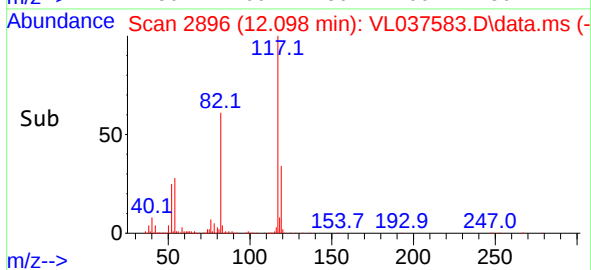
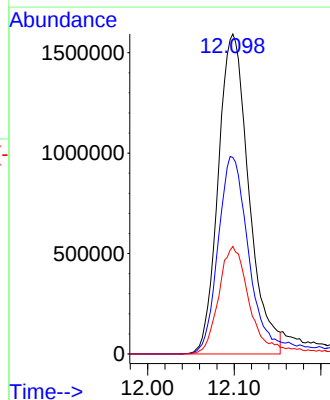
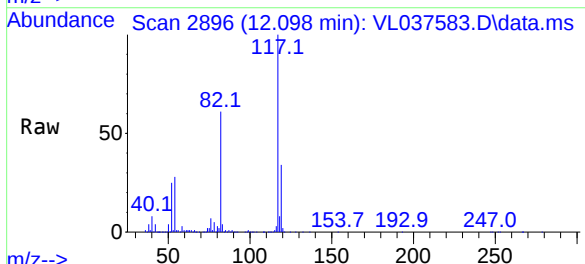
Manual Integrations  
APPROVED

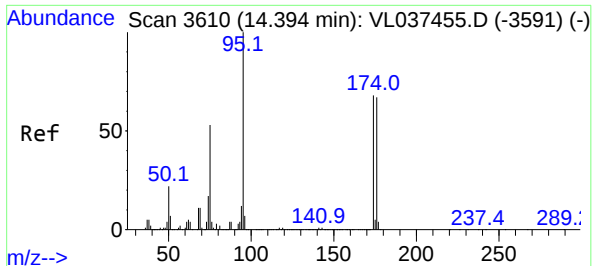
MMDadoda  
9/10/2021 10:53:29 AM



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.098 min Scan# 2896  
Delta R.T. 0.035 min  
Lab File: VL037583.D  
Acq: 8 Sep 2021 22:35

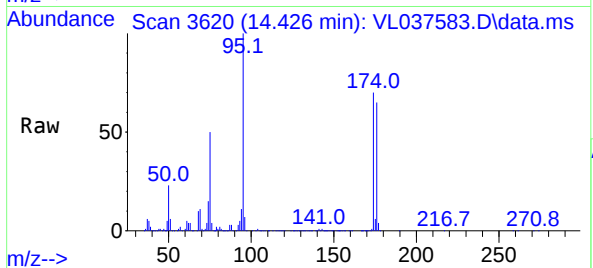
Tgt Ion: 117 Resp: 3914666  
Ion Ratio Lower Upper  
117 100  
82 66.4 52.9 79.3  
119 35.6 24.8 37.2





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.158 ppbv  
 RT: 14.426 min Scan# 3620  
 Delta R.T. 0.032 min  
 Lab File: VL037583.D  
 Acq: 8 Sep 2021 22:35

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 OA-1DL



Tgt Ion: 95 Resp: 2825189

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 77.2  | 59.6  | 89.4  |
| 175 | 5.3   | 4.6   | 7.0   |

Manual Integrations  
 APPROVED

MMDadoda  
 9/10/2021 10:53:29 AM

