

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL091824\  
 Data File : VL041611.D  
 Acq On : 18 Sep 2024 17:49  
 Operator : SY/MD  
 Sample : P4028-03DL 20X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV2DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2024  
 Supervised By :Mahesh Dadoda 09/19/2024

Quant Time: Sep 19 01:35:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091624AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_LFri Aug 2  
 QLast Update : Tue Sep 17 09:12:21 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.192  | 49    | 1126194  | 10.000   | ppbv   | 0.02     |
| 33) 1,4-Difluorobenzene     | 6.652  | 114   | 3035210  | 10.000   | ppbv   | 0.02     |
| 55) Chlorobenzene-d5        | 11.462 | 117   | 2656767  | 10.000   | ppbv   | 0.02     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.773 | 95    | 2000779  | 10.230   | ppbv   | 0.02     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 102.300% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 9) Propene                  | 2.713  | 41    | 8429m    | 0.146    | ppbv   |          |
| 13) Ethanol                 | 3.266  | 45    | 3982m    | 0.919    | ppbv   |          |
| 15) Acetone                 | 3.494  | 43    | 57875    | 0.409    | ppbv   | 91       |
| 20) Methylene Chloride      | 3.938  | 84    | 34745    | 0.654    | ppbv   | 97       |
| 26) Hexane                  | 5.214  | 57    | 22743    | 0.215    | ppbv # | 33       |
| 34) 2-Butanone              | 4.816  | 43    | 21851m   | 0.151    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

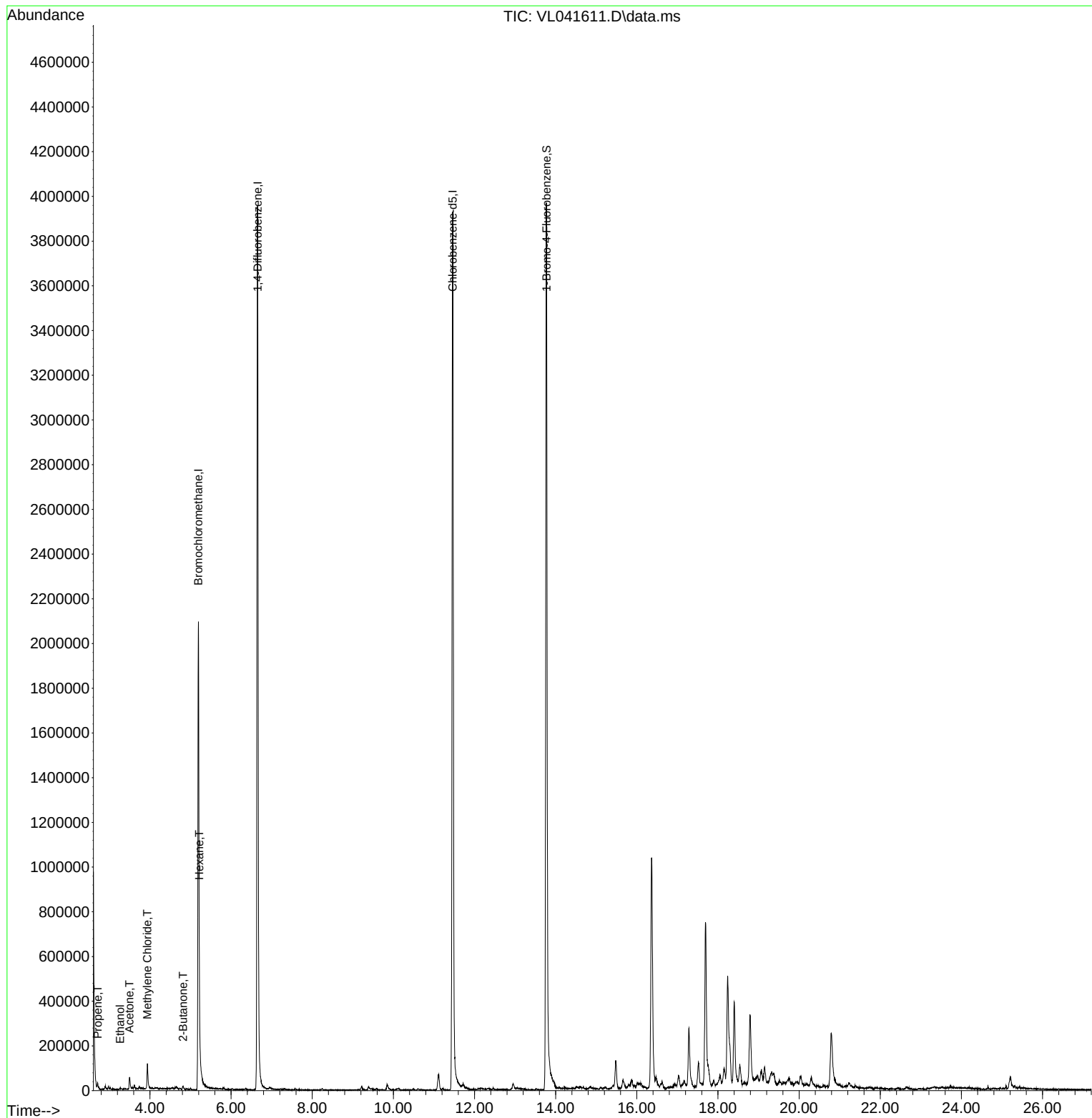
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL091824\  
Data File : VL041611.D  
Acq On : 18 Sep 2024 17:49  
Operator : SY/MD  
Sample : P4028-03DL 20X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

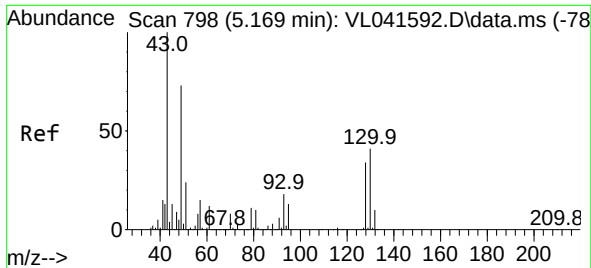
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV2DL

Quant Time: Sep 19 01:35:46 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091624AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Tue Sep 17 09:12:21 2024  
Response via : Initial Calibration

Manual Integrations  
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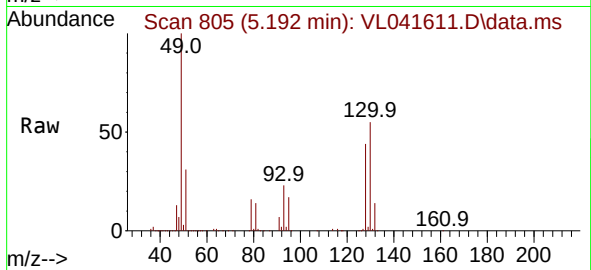
Reviewed By : Semsettin Yesilyurt 09/19/2024  
Supervised By : Mahesh Dadoda 09/19/2024





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.192 min Scan# 805  
Delta R.T. 0.023 min  
Lab File: VL041611.D  
Acq: 18 Sep 2024 17:49

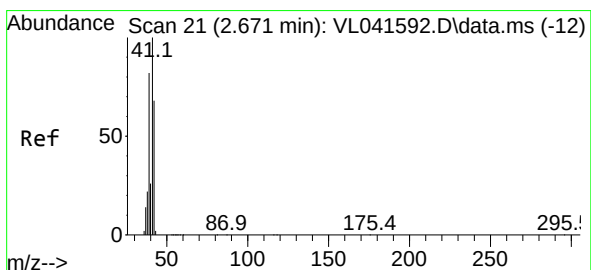
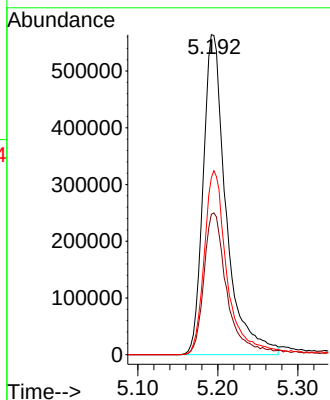
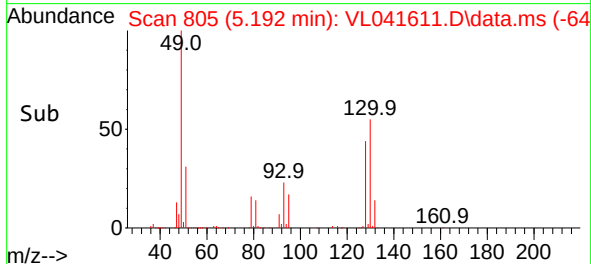
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV2DL



Tgt Ion: 49 Resp: 1126194  
Ion Ratio Lower Upper  
49 100  
128 46.2 23.8 71.5  
130 59.6 30.4 91.3

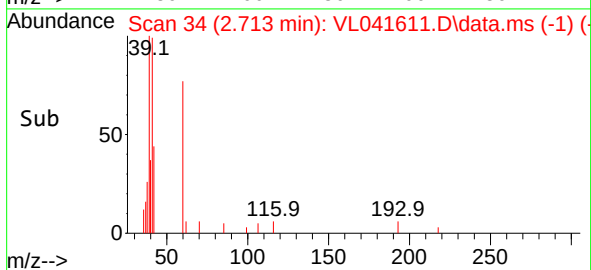
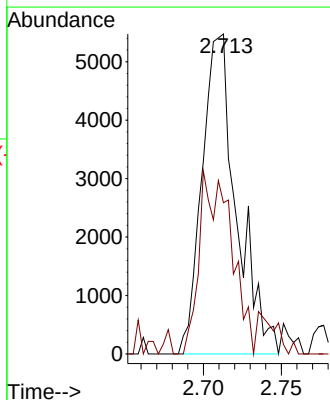
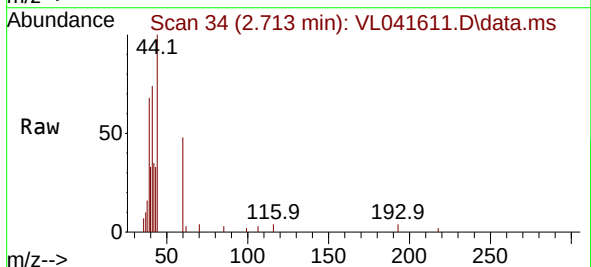
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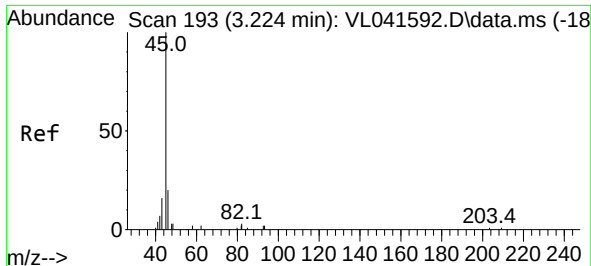
Reviewed By :Semsettin Yesilyurt 09/19/2024  
Supervised By :Mahesh Dadoda 09/19/2024



#9  
Propene  
Concen: 0.146 ppbv m  
RT: 2.713 min Scan# 34  
Delta R.T. 0.042 min  
Lab File: VL041611.D  
Acq: 18 Sep 2024 17:49

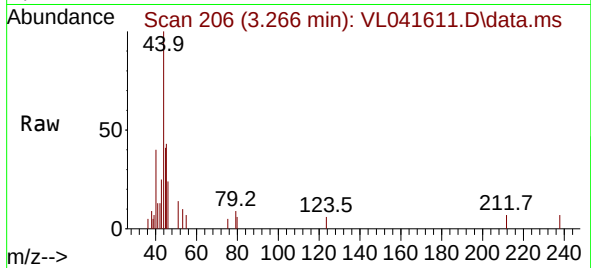
Tgt Ion: 41 Resp: 8429  
Ion Ratio Lower Upper  
41 100  
42 63.8 55.2 82.8





#13  
Ethanol  
Concen: 0.919 ppbv m  
RT: 3.266 min Scan# 206  
Delta R.T. 0.042 min  
Lab File: VL041611.D  
Acq: 18 Sep 2024 17:49

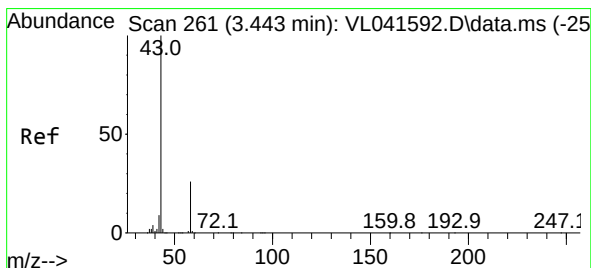
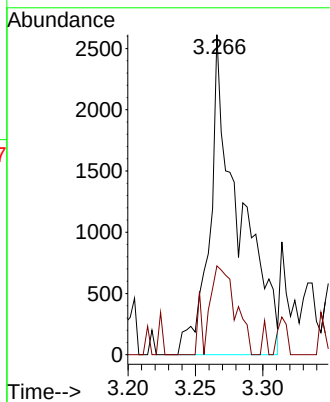
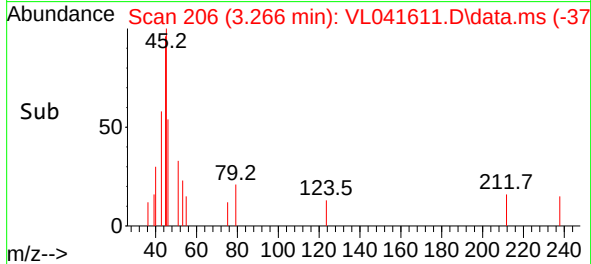
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV2DL



Tgt Ion: 45 Resp: 398  
Ion Ratio Lower Upper  
45 100  
46 0.0 15.2 60.8

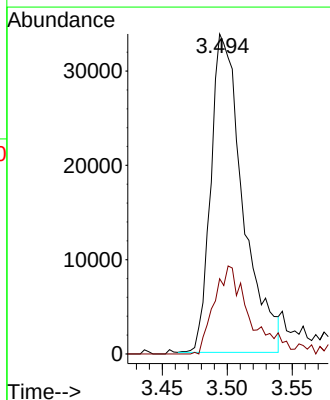
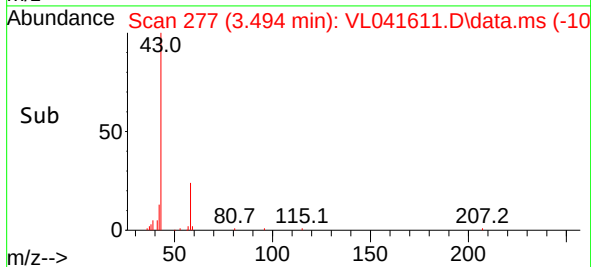
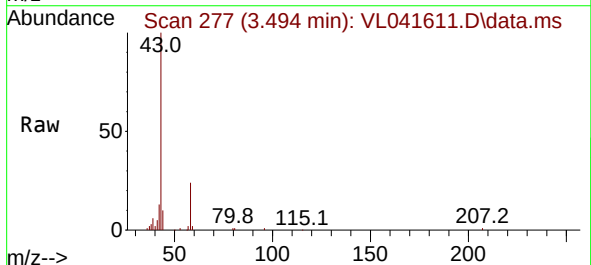
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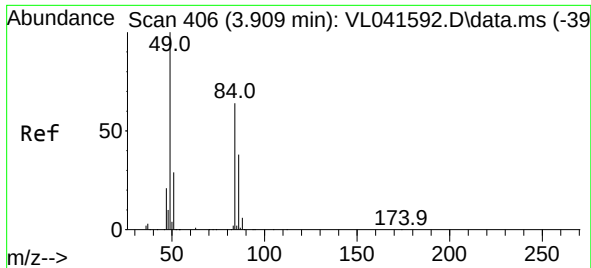
Reviewed By :Semsettin Yesilyurt 09/19/2024  
Supervised By :Mahesh Dadoda 09/19/2024



#15  
Acetone  
Concen: 0.409 ppbv  
RT: 3.494 min Scan# 277  
Delta R.T. 0.052 min  
Lab File: VL041611.D  
Acq: 18 Sep 2024 17:49

Tgt Ion: 43 Resp: 57875  
Ion Ratio Lower Upper  
43 100  
58 31.3 21.5 32.3





#20  
Methylene Chloride  
Concen: 0.654 ppbv  
RT: 3.938 min Scan# 415  
Delta R.T. 0.029 min  
Lab File: VL041611.D  
Acq: 18 Sep 2024 17:49

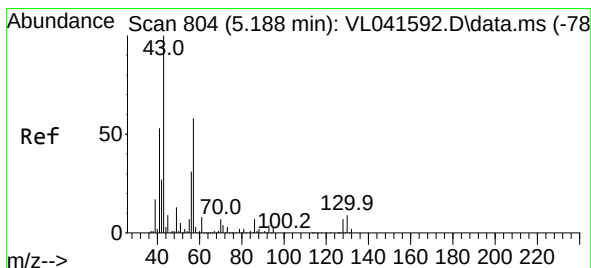
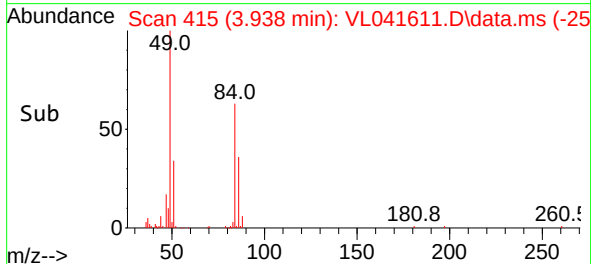
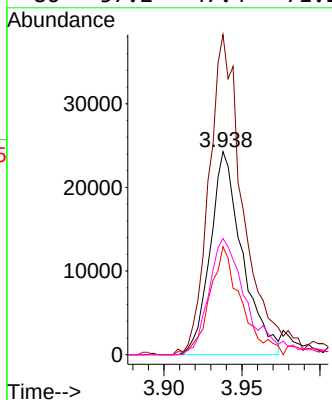
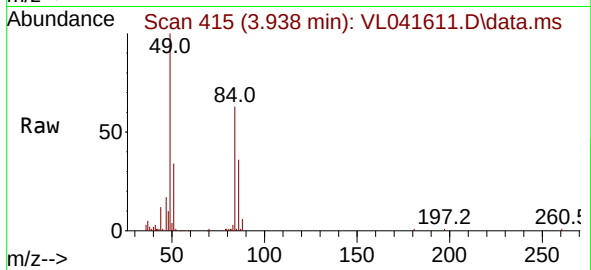
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV2DL

Tgt Ion: 84 Resp: 3474

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 154.8 | 124.3 | 186.5 |
| 51  | 51.7  | 36.3  | 54.5  |
| 86  | 57.2  | 47.4  | 71.2  |

Manual Integrations  
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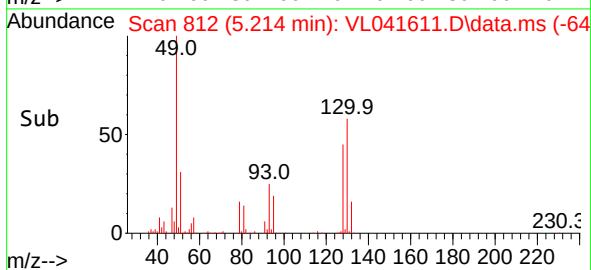
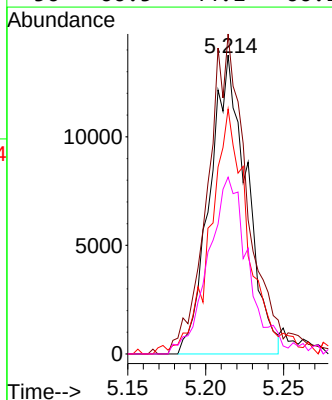
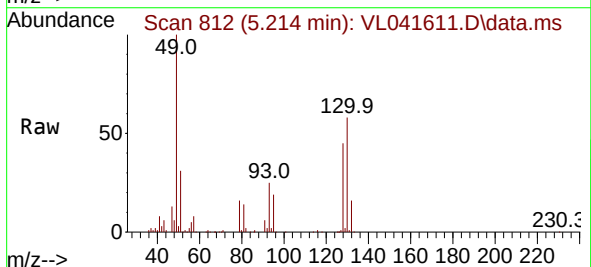
Reviewed By :Semsettin Yesilyurt 09/19/2024  
Supervised By :Mahesh Dadoda 09/19/2024

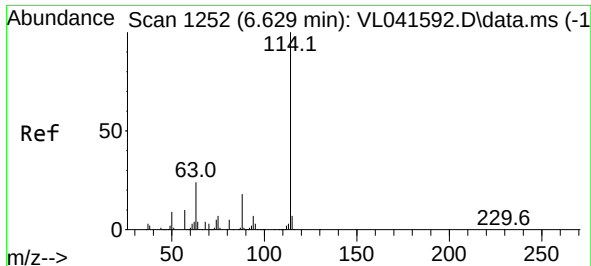


#26  
Hexane  
Concen: 0.215 ppbv  
RT: 5.214 min Scan# 812  
Delta R.T. 0.026 min  
Lab File: VL041611.D  
Acq: 18 Sep 2024 17:49

Tgt Ion: 57 Resp: 22743

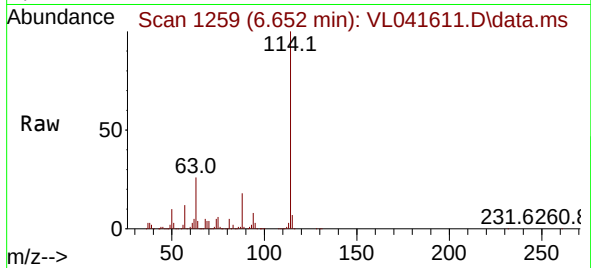
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 57  | 100   |       |        |
| 41  | 118.6 | 75.7  | 113.5# |
| 43  | 85.2  | 198.5 | 297.7# |
| 56  | 66.5  | 44.1  | 66.1#  |





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.652 min Scan# 114  
Delta R.T. 0.023 min  
Lab File: VL041611.D  
Acq: 18 Sep 2024 17:49

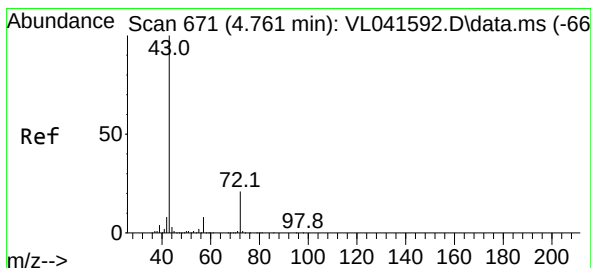
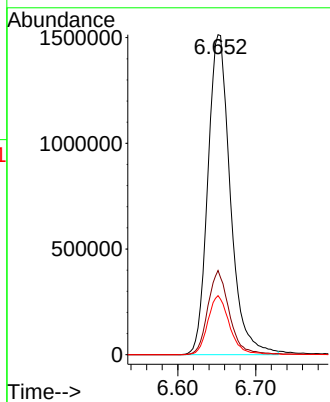
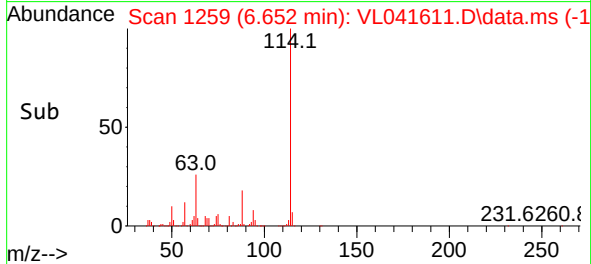
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV2DL



Tgt Ion:114 Resp: 3035210  
Ion Ratio Lower Upper  
114 100  
63 25.3 20.2 30.2  
88 18.0 14.2 21.4

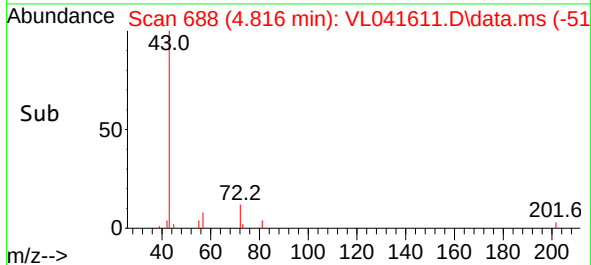
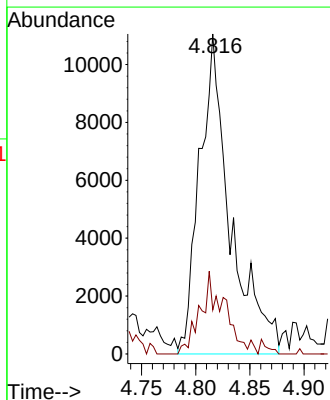
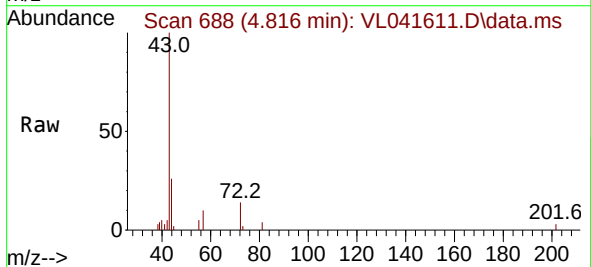
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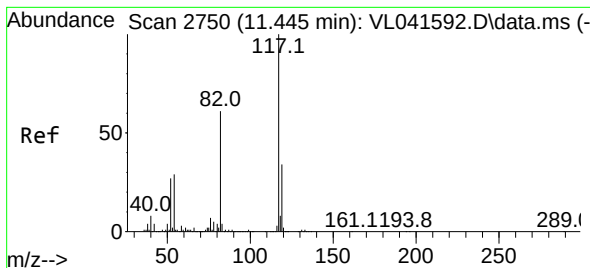
Reviewed By :Semsettin Yesilyurt 09/19/2024  
Supervised By :Mahesh Dadoda 09/19/2024



#34  
2-Butanone  
Concen: 0.151 ppbv m  
RT: 4.816 min Scan# 688  
Delta R.T. 0.055 min  
Lab File: VL041611.D  
Acq: 18 Sep 2024 17:49

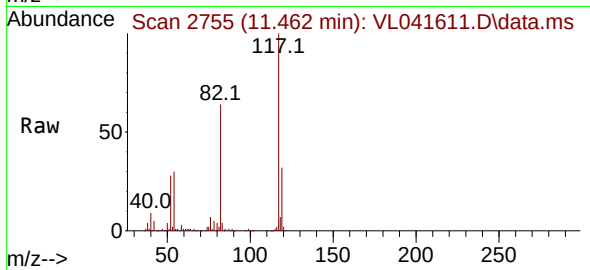
Tgt Ion: 43 Resp: 21851  
Ion Ratio Lower Upper  
43 100  
72 0.0 16.8 25.2#





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.462 min Scan# 21  
Delta R.T. 0.016 min  
Lab File: VL041611.D  
Acq: 18 Sep 2024 17:49

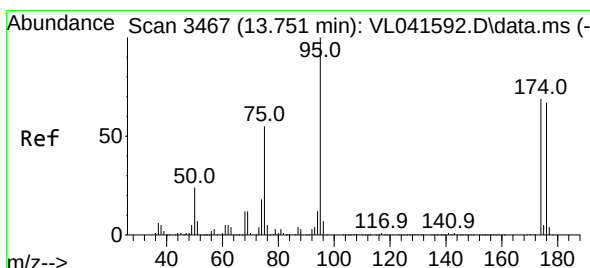
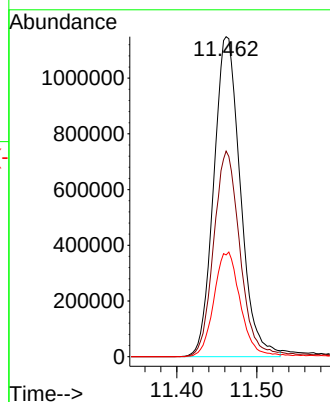
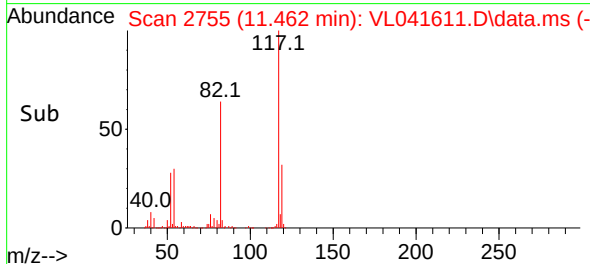
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV2DL



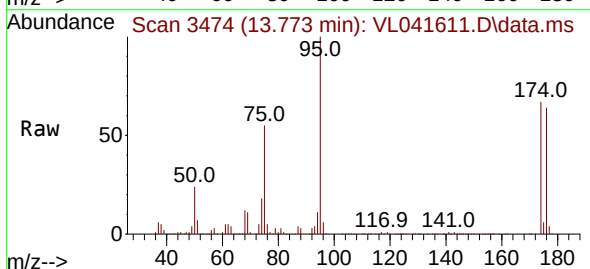
Tgt Ion:117 Resp: 265676  
Ion Ratio Lower Upper  
117 100  
82 65.1 49.4 74.2  
119 33.4 24.4 36.6

Manual Integrations  
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#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.230 ppbv  
RT: 13.773 min Scan# 3474  
Delta R.T. 0.023 min  
Lab File: VL041611.D  
Acq: 18 Sep 2024 17:49



Tgt Ion: 95 Resp: 2000779  
Ion Ratio Lower Upper  
95 100  
174 69.5 55.8 83.8  
175 5.0 4.1 6.1

