

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042324\  
 Data File : VL041160.D  
 Acq On : 23 Apr 2024 14:38  
 Operator : SY/MD  
 Sample : P2222-01DL 20X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/24/2024  
 Supervised By :Mahesh Dadoda 04/24/2024

Quant Time: Apr 24 02:52:39 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL040424AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Wed Apr 24 02:47:46 2024

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.192  | 49    | 1285532  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.648  | 114   | 3329424  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.465 | 117   | 2967626  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.770 | 95    | 2326639  | 9.750    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 97.500%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 9) Propene                  | 2.700  | 41    | 21718    | 0.345    | ppbv   | 93       |
| 13) Ethanol                 | 3.266  | 45    | 12448m   | 0.831    | ppbv   |          |
| 15) Acetone                 | 3.485  | 43    | 141777   | 1.019    | ppbv # | 70       |
| 20) Methylene Chloride      | 3.938  | 84    | 183504   | 3.196    | ppbv   | 93       |
| 25) Ethyl Acetate           | 5.211  | 43    | 204388   | 0.782    | ppbv # | 77       |
| 26) Hexane                  | 5.214  | 57    | 291283   | 2.483    | ppbv # | 40       |
| 34) 2-Butanone              | 4.809  | 43    | 51012    | 0.362    | ppbv # | 85       |
| 44) 2,2,4-Trimethylpentane  | 7.333  | 57    | 44074m   | 0.109    | ppbv   |          |
| 52) Tetrachloroethene       | 10.616 | 164   | 8582m    | 0.110    | ppbv   |          |
| 53) Toluene                 | 9.221  | 91    | 47565m   | 0.185    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

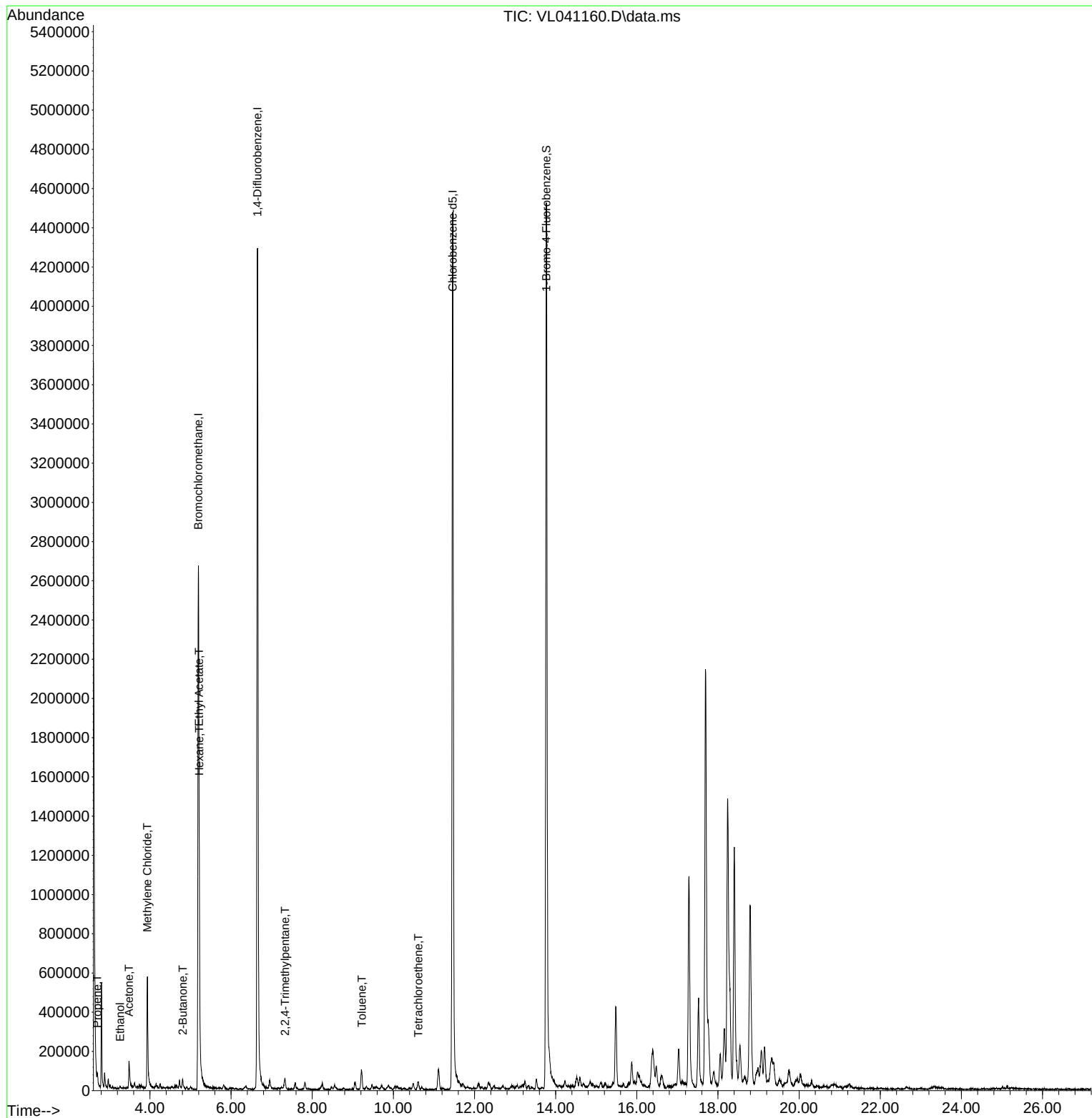
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042324\  
Data File : VL041160.D  
Acq On : 23 Apr 2024 14:38  
Operator : SY/MD  
Sample : P2222-01DL 20X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

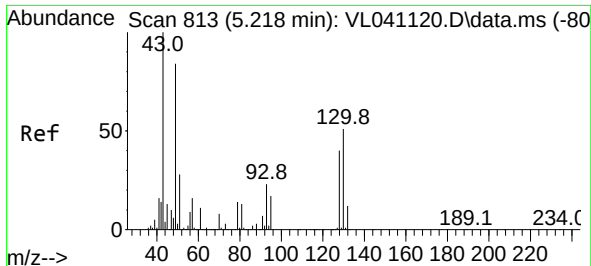
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL

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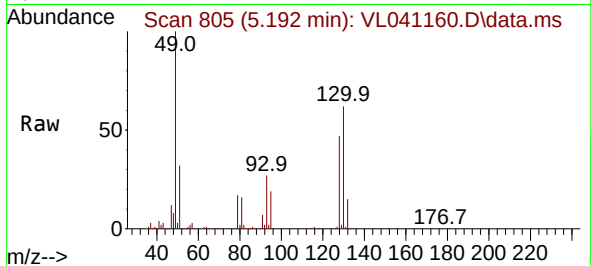
Quant Time: Apr 24 02:52:39 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL040424AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Wed Apr 24 02:47:46 2024  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.192 min Scan# 80  
Delta R.T. 0.003 min  
Lab File: VL041160.D  
Acq: 23 Apr 2024 14:38

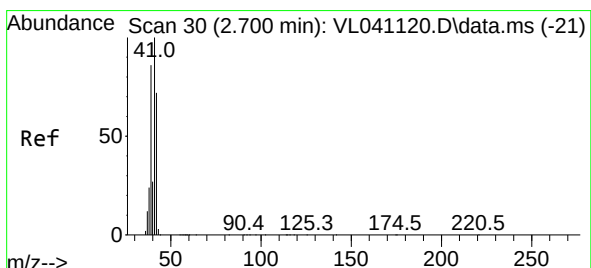
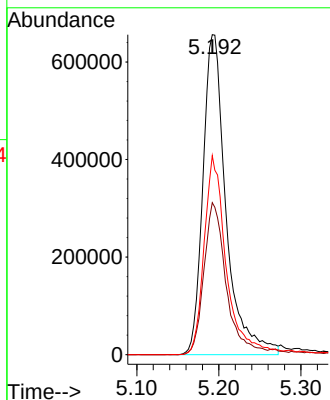
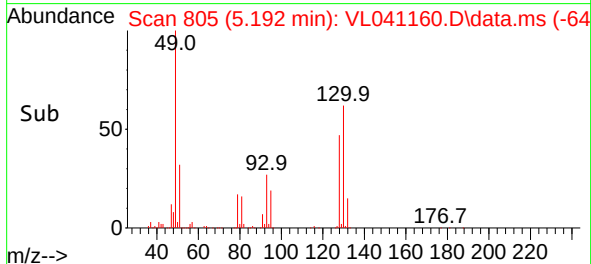
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL



Tgt Ion: 49 Resp: 128553  
Ion Ratio Lower Upper  
49 100  
128 48.0 23.6 71.0  
130 61.8 30.1 90.5

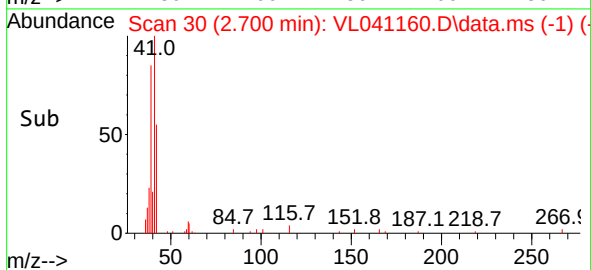
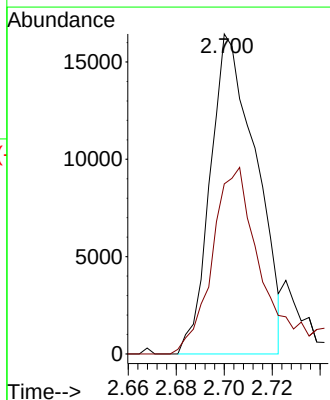
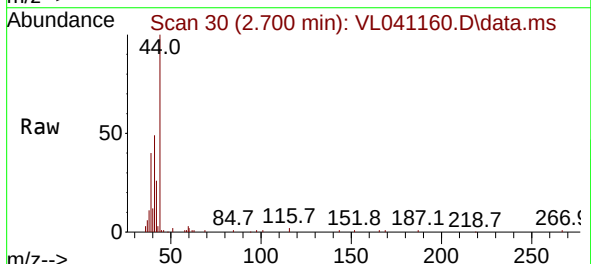
Manual Integrations  
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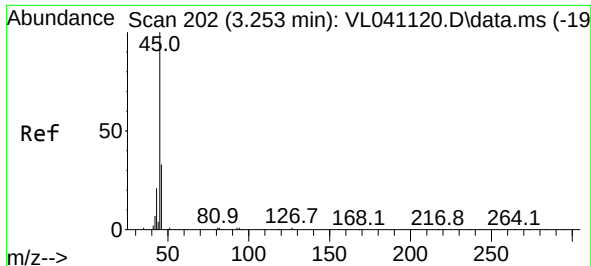
Reviewed By :Semsettin Yesilyurt 04/24/2024  
Supervised By :Mahesh Dadoda 04/24/2024



#9  
Propene  
Concen: 0.345 ppbv  
RT: 2.700 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: VL041160.D  
Acq: 23 Apr 2024 14:38

Tgt Ion: 41 Resp: 21718  
Ion Ratio Lower Upper  
41 100  
42 68.8 60.1 90.1





#13

Ethanol

Concen: 0.831 ppbv m

RT: 3.266 min Scan# 206

Delta R.T. 0.022 min

Lab File: VL041160.D

Acq: 23 Apr 2024 14:38

Instrument :

MSVOA\_L

ClientSampleId :

SV1DL

Tgt Ion: 45 Resp: 12448

Ion Ratio Lower Upper

45 100

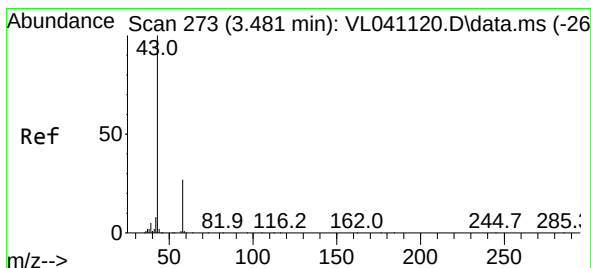
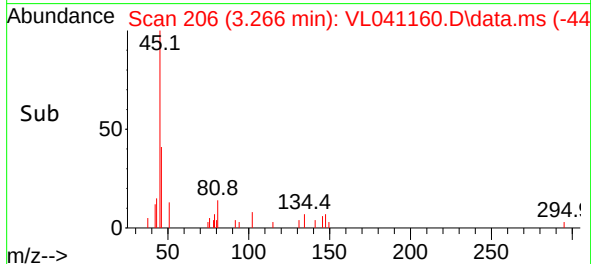
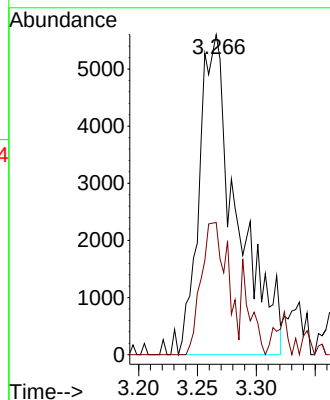
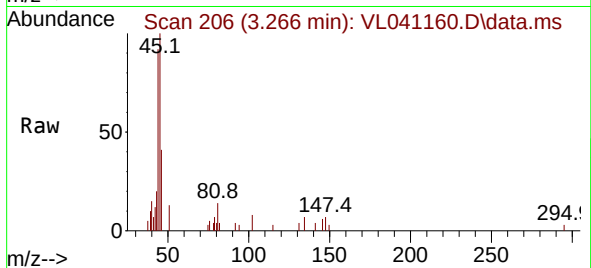
46 0.0 15.0 59.8

Manual Integrations

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Supervised By :Mahesh Dadoda 04/24/2024



#15

Acetone

Concen: 1.019 ppbv

RT: 3.485 min Scan# 274

Delta R.T. 0.016 min

Lab File: VL041160.D

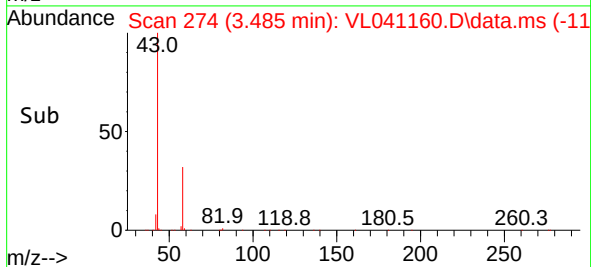
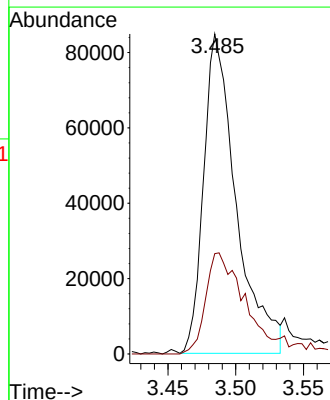
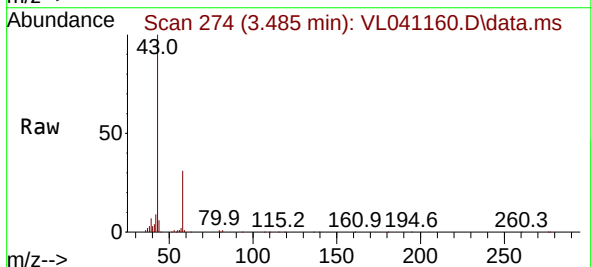
Acq: 23 Apr 2024 14:38

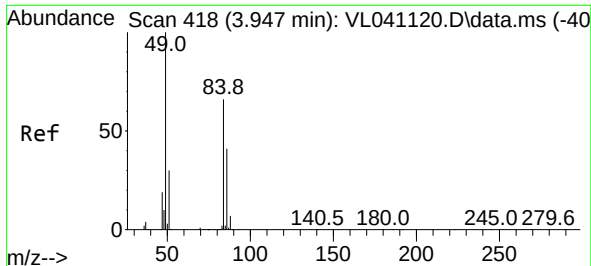
Tgt Ion: 43 Resp: 141777

Ion Ratio Lower Upper

43 100

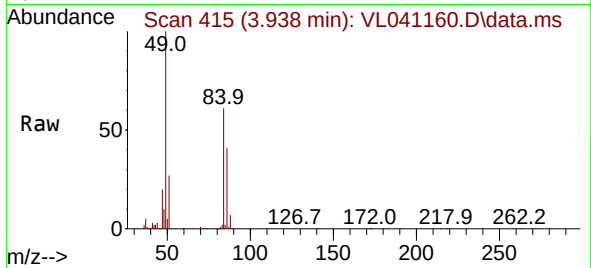
58 41.8 21.1 31.7





#20  
Methylene Chloride  
Concen: 3.196 ppbv  
RT: 3.938 min Scan# 418  
Delta R.T. 0.006 min  
Lab File: VL041160.D  
Acq: 23 Apr 2024 14:38

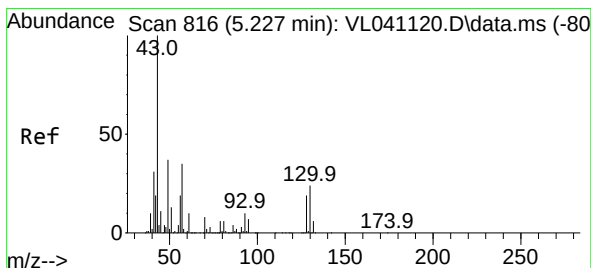
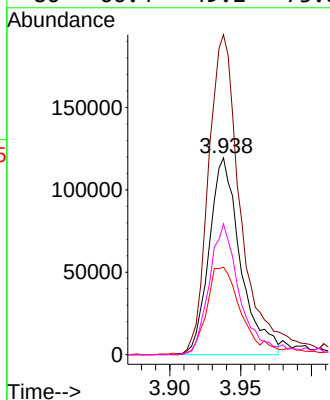
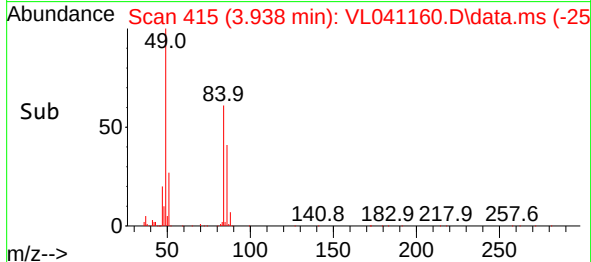
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL



Tgt Ion: 84 Resp: 183504  
Ion Ratio Lower Upper  
84 100  
49 162.0 120.7 181.1  
51 44.5 36.6 54.8  
86 66.4 49.2 73.8

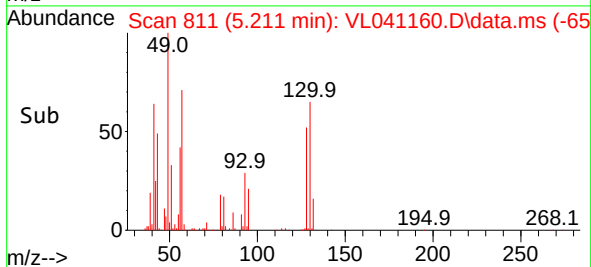
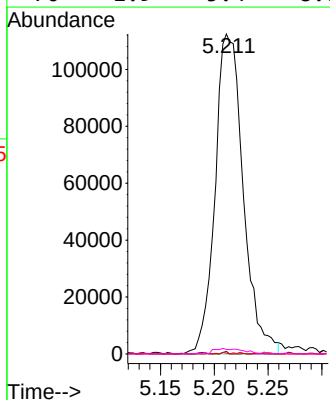
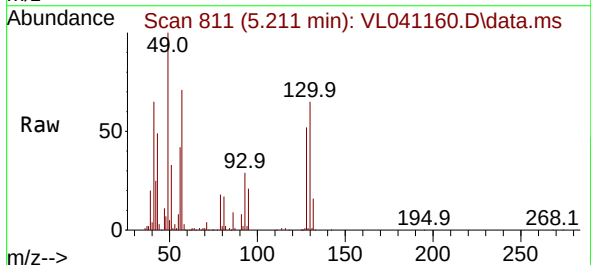
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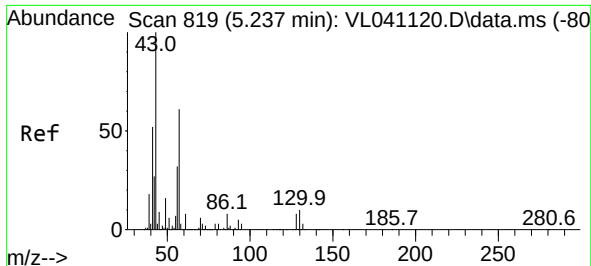
Reviewed By :Semsettin Yesilyurt 04/24/2024  
Supervised By :Mahesh Dadoda 04/24/2024



#25  
Ethyl Acetate  
Concen: 0.782 ppbv  
RT: 5.211 min Scan# 811  
Delta R.T. 0.013 min  
Lab File: VL041160.D  
Acq: 23 Apr 2024 14:38

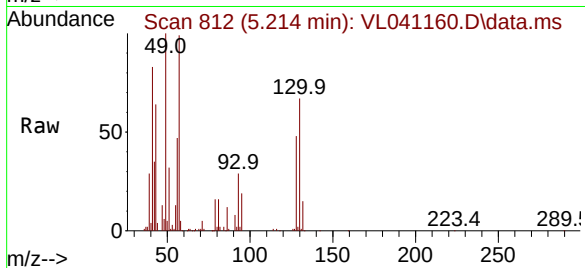
Tgt Ion: 43 Resp: 204388  
Ion Ratio Lower Upper  
43 100  
45 0.3 8.0 12.0#  
61 0.2 7.8 11.6#  
70 1.9 5.4 8.0#





#26  
Hexane  
Concen: 2.483 ppbv  
RT: 5.214 min Scan# 819  
Delta R.T. 0.006 min  
Lab File: VL041160.D  
Acq: 23 Apr 2024 14:38

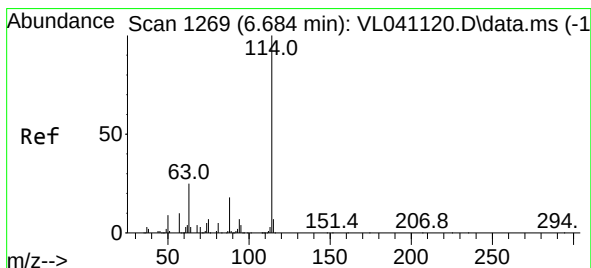
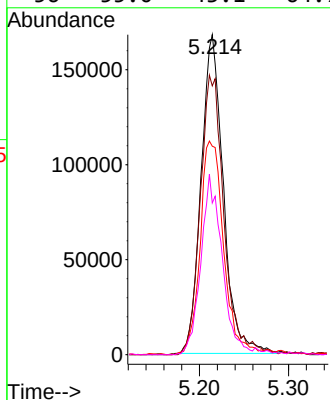
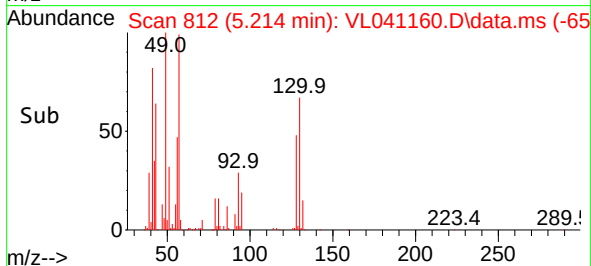
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL



Tgt Ion: 57 Resp: 291283  
Ion Ratio Lower Upper  
57 100  
41 94.1 73.8 110.8  
43 72.0 186.2 279.2  
56 55.0 43.1 64.7

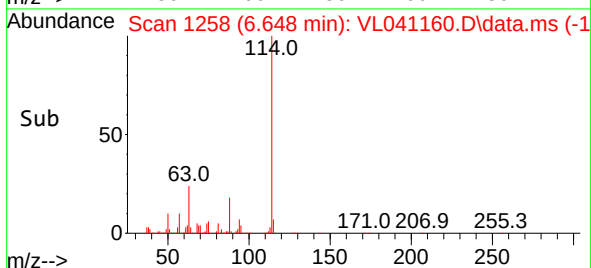
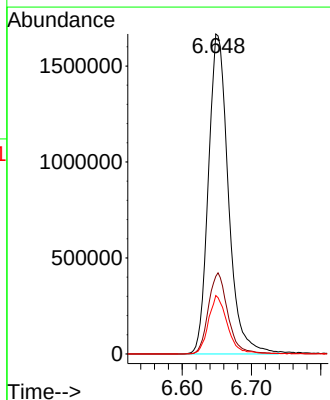
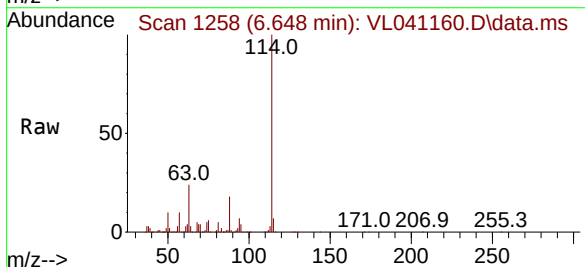
Manual Integrations  
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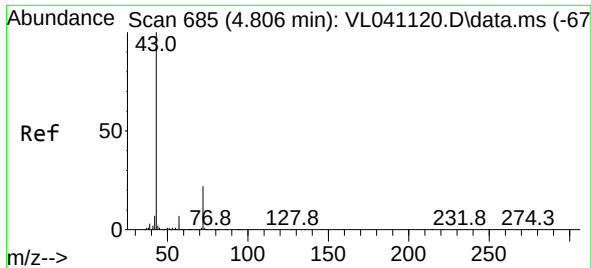
Reviewed By :Semsettin Yesilyurt 04/24/2024  
Supervised By :Mahesh Dadoda 04/24/2024



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.648 min Scan# 1258  
Delta R.T. 0.003 min  
Lab File: VL041160.D  
Acq: 23 Apr 2024 14:38

Tgt Ion:114 Resp: 3329424  
Ion Ratio Lower Upper  
114 100  
63 25.0 20.9 31.3  
88 17.5 14.5 21.7





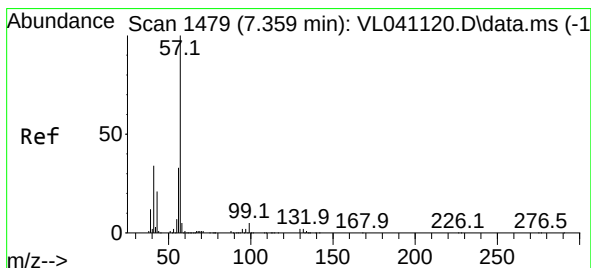
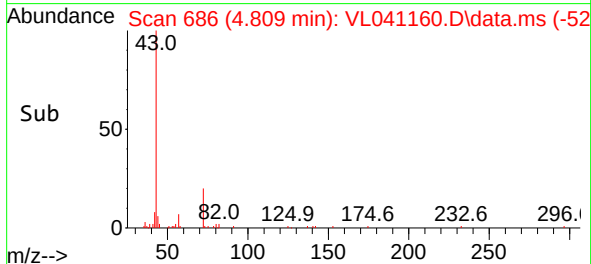
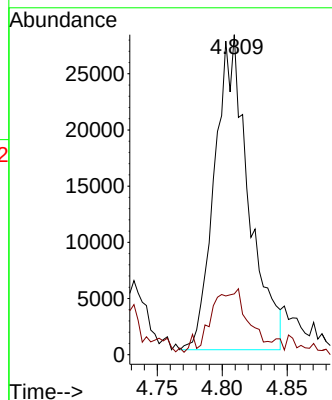
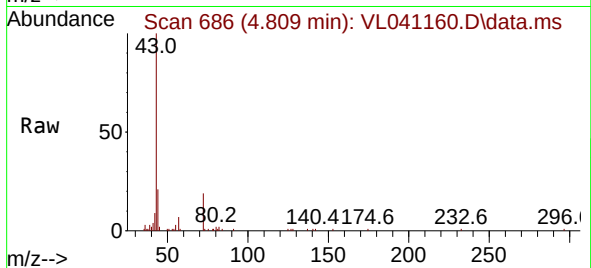
#34  
2-Butanone  
Concen: 0.362 ppbv  
RT: 4.809 min Scan# 61  
Delta R.T. 0.029 min  
Lab File: VL041160.D  
Acq: 23 Apr 2024 14:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL

Tgt Ion: 43 Resp: 5101  
Ion Ratio Lower Upper  
43 100  
72 29.2 17.6 26.4

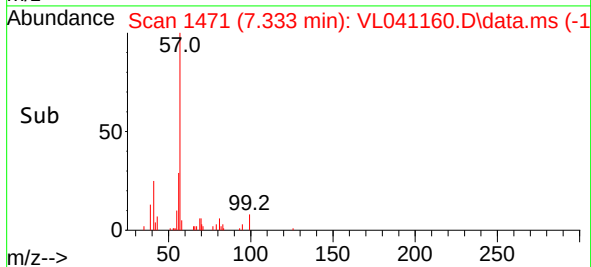
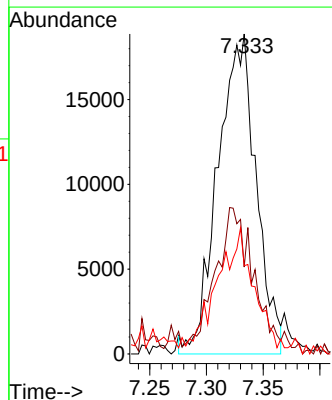
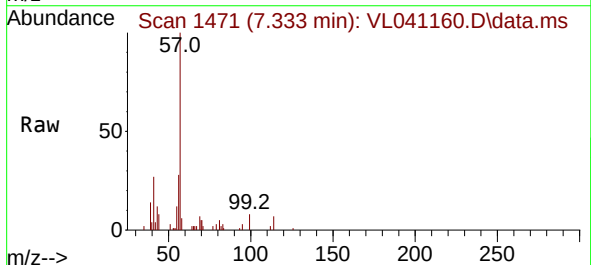
Manual Integrations  
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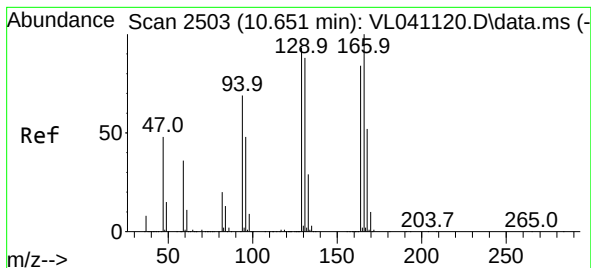
Reviewed By :Semsettin Yesilyurt 04/24/2024  
Supervised By :Mahesh Dadoda 04/24/2024



#44  
2,2,4-Trimethylpentane  
Concen: 0.109 ppbv m  
RT: 7.333 min Scan# 1471  
Delta R.T. 0.013 min  
Lab File: VL041160.D  
Acq: 23 Apr 2024 14:38

Tgt Ion: 57 Resp: 44074  
Ion Ratio Lower Upper  
57 100  
41 52.8 28.2 42.2#  
56 0.0 25.2 37.8#





#52

Tetrachloroethene

Concen: 0.110 ppbv m

RT: 10.616 min Scan# 2492

Delta R.T. 0.010 min

Lab File: VL041160.D

Acq: 23 Apr 2024 14:38

Instrument :

MSVOA\_L

ClientSampleId :

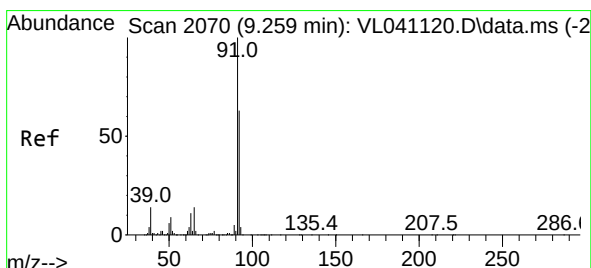
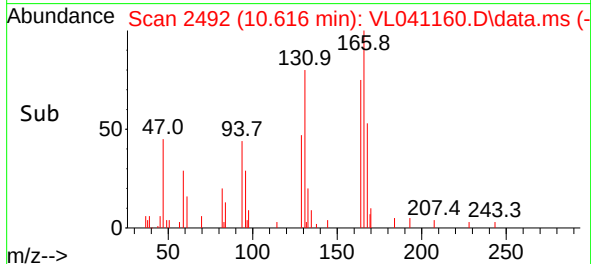
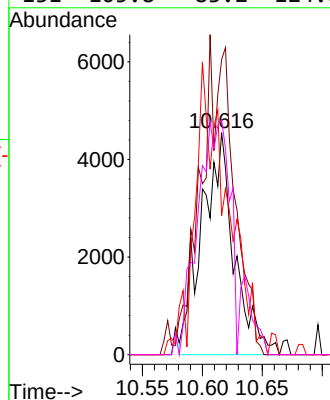
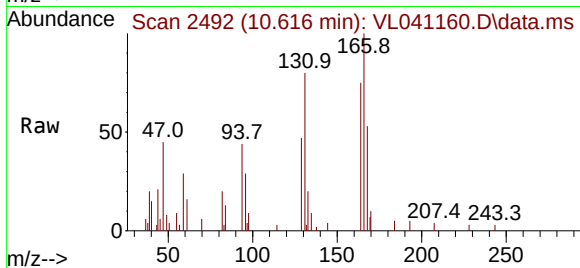
SV1DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 858   |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 132.9 | 95.0  | 142.6 |
| 129       | 62.6  | 88.7  | 133.1 |
| 131       | 105.8 | 83.2  | 124.8 |

Manual Integrations

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Supervised By :Mahesh Dadoda 04/24/2024



#53

Toluene

Concen: 0.185 ppbv m

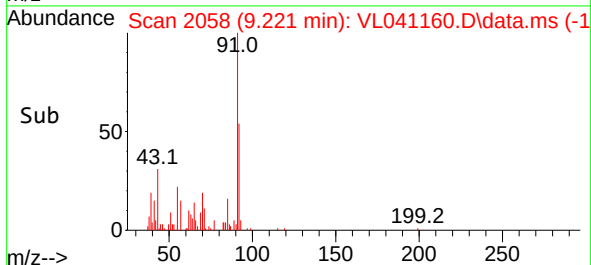
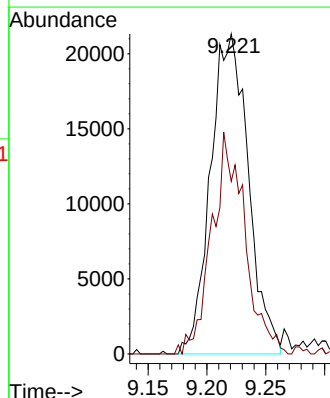
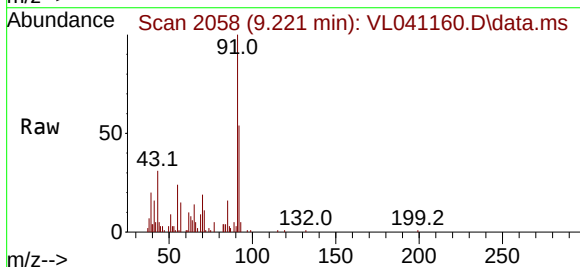
RT: 9.221 min Scan# 2058

Delta R.T. 0.010 min

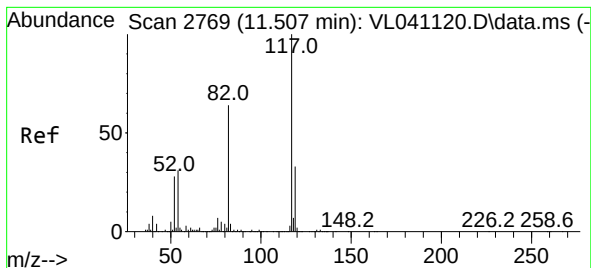
Lab File: VL041160.D

Acq: 23 Apr 2024 14:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 47565 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 92        | 61.4  | 49.0  | 73.4  |

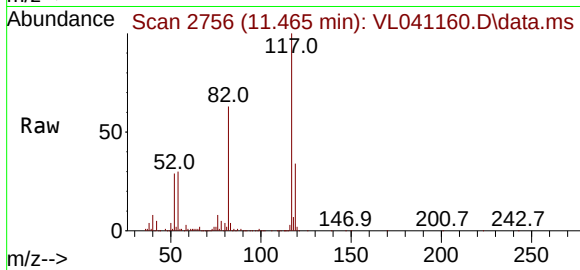






#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.465 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VL041160.D  
Acq: 23 Apr 2024 14:38

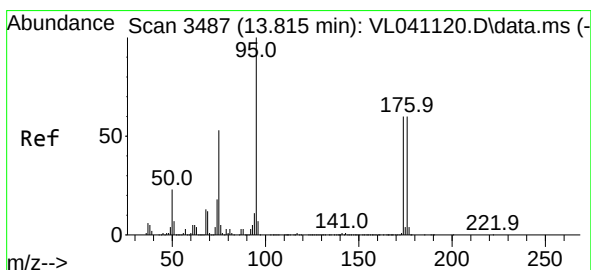
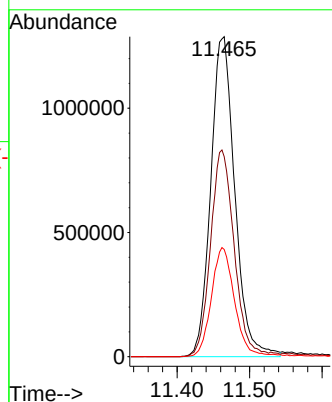
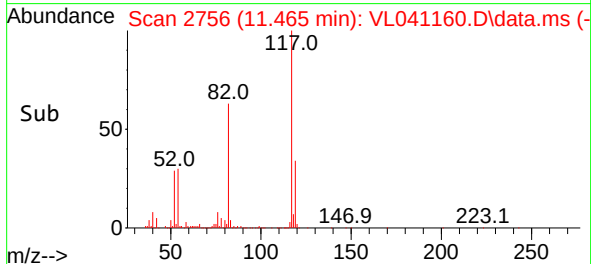
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DL



Tgt Ion:117 Resp: 2967620  
Ion Ratio Lower Upper  
117 100  
82 65.5 51.0 76.6  
119 33.3 25.2 37.8

Manual Integrations  
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Supervised By :Mahesh Dadoda 04/24/2024



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.750 ppbv  
RT: 13.770 min Scan# 3473  
Delta R.T. 0.006 min  
Lab File: VL041160.D  
Acq: 23 Apr 2024 14:38

Tgt Ion: 95 Resp: 2326639  
Ion Ratio Lower Upper  
95 100  
174 62.5 49.3 73.9  
175 4.6 3.6 5.4

