

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL111925\  
 Data File : VL043251.D  
 Acq On : 19 Nov 2025 22:07  
 Operator : SY/MD  
 Sample : Q3626-05DL 20X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 10-SG-1DL

Quant Time: Nov 20 00:12:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111825AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2025  
 QLast Update : Wed Nov 19 01:11:25 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/21/2025  
 Supervised By : Mahesh Dadoda 11/21/2025

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.781  | 49    | 98540    | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.946  | 114   | 260350   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 8.869  | 117   | 200769   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.367 | 95    | 138896   | 9.438    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 94.400%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 13) Ethanol                 | 1.719  | 45    | 2156     | 1.056    | ppbv   | 92       |
| 15) Acetone                 | 1.832  | 43    | 143219   | 10.461   | ppbv   | 98       |
| 19) Isopropyl Alcohol       | 1.884  | 45    | 29365    | 3.796    | ppbv # | 1        |
| 34) 2-Butanone              | 2.557  | 43    | 1927m    | 0.105    | ppbv   |          |
| 38) Trichloroethene         | 4.532  | 130   | 1031m    | 0.106    | ppbv   |          |
| 52) Tetrachloroethene       | 8.212  | 164   | 61105    | 6.588    | ppbv   | 97       |
| -----                       |        |       |          |          |        |          |

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

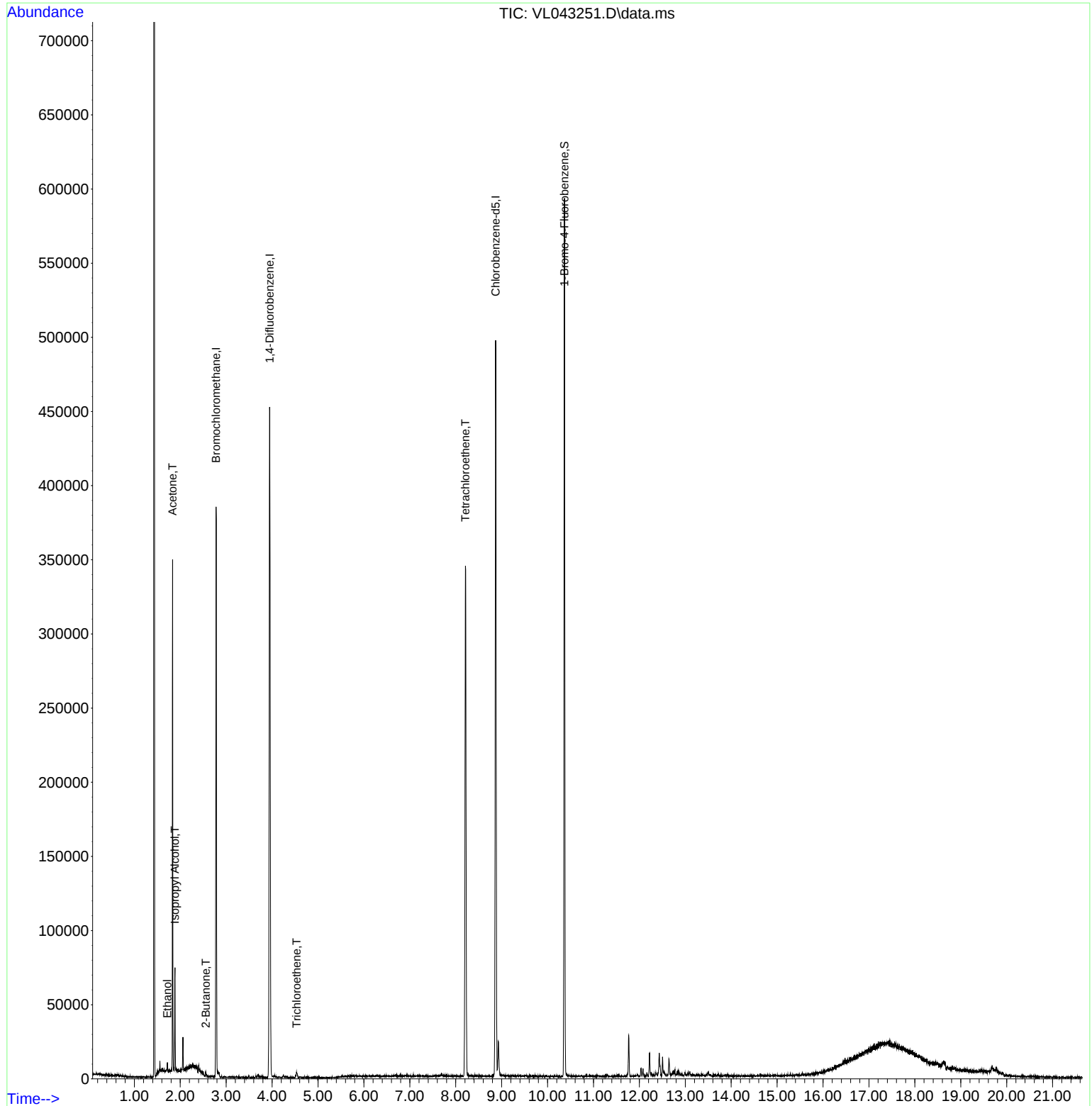
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL111925\  
Data File : VL043251.D  
Acq On : 19 Nov 2025 22:07  
Operator : SY/MD  
Sample : Q3626-05DL 20X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

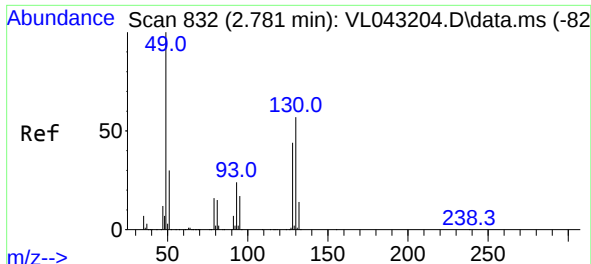
Instrument :  
MSVOA\_L  
ClientSampleId :  
10-SG-1DL

Quant Time: Nov 20 00:12:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111825AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Wed Nov 19 01:11:25 2025  
Response via : Initial Calibration

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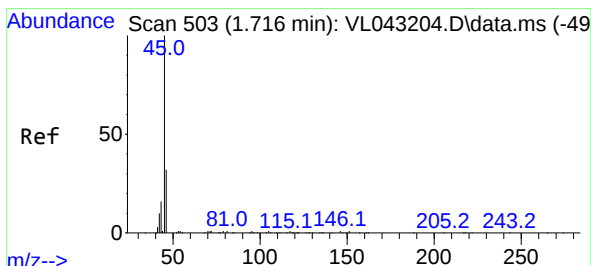
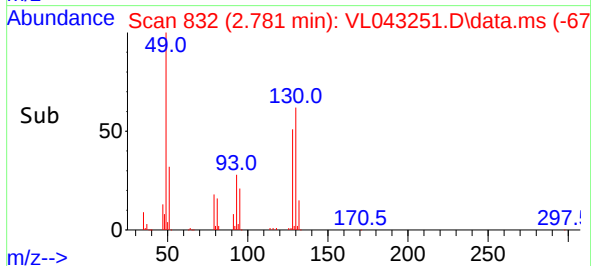
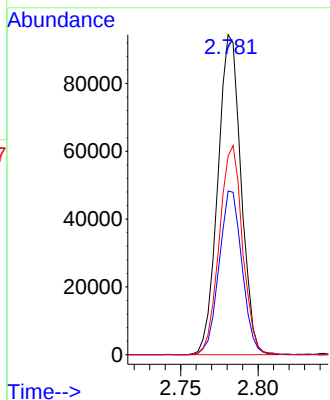
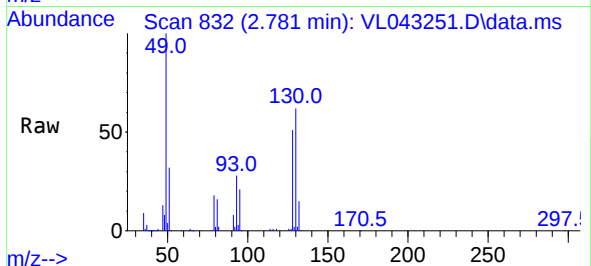
#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.781 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VL043251.D  
Acq: 19 Nov 2025 22:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
10-SG-1DL

Tgt Ion: 49 Resp: 98540  
Ion Ratio Lower Upper  
49 100  
128 50.6 23.0 69.0  
130 65.1 29.9 89.7

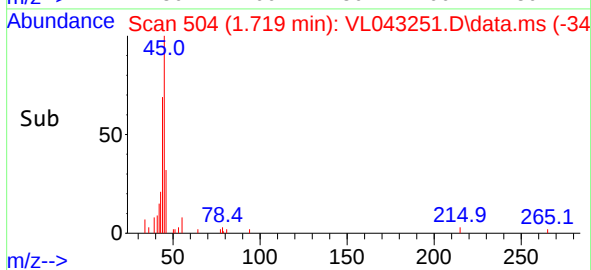
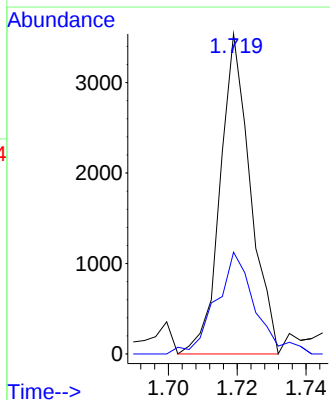
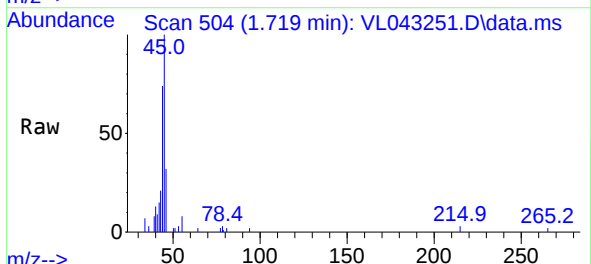
Manual Integrations  
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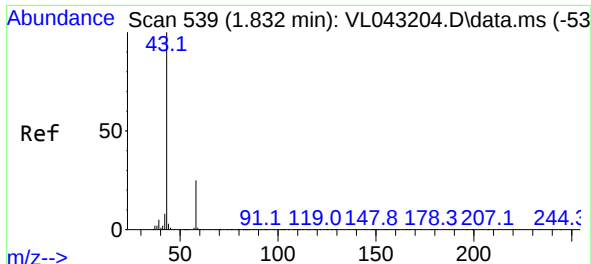
Reviewed By :Semsettin Yesilyurt 11/21/2025  
Supervised By :Mahesh Dadoda 11/21/2025



#13  
Ethanol  
Concen: 1.056 ppbv  
RT: 1.719 min Scan# 504  
Delta R.T. 0.003 min  
Lab File: VL043251.D  
Acq: 19 Nov 2025 22:07

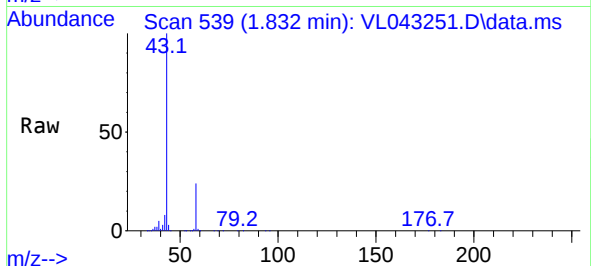
Tgt Ion: 45 Resp: 2156  
Ion Ratio Lower Upper  
45 100  
46 42.1 15.0 59.8





#15  
Acetone  
Concen: 10.461 ppbv  
RT: 1.832 min Scan# 539  
Delta R.T. -0.000 min  
Lab File: VL043251.D  
Acq: 19 Nov 2025 22:07

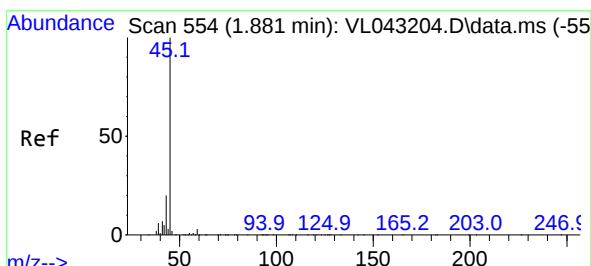
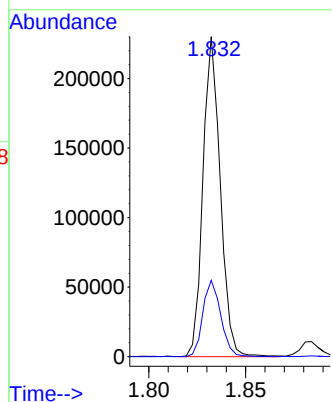
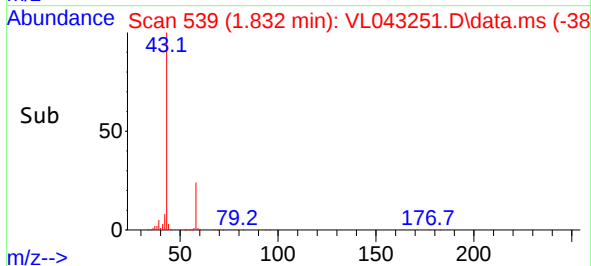
Instrument :  
MSVOA\_L  
ClientSampleId :  
10-SG-1DL



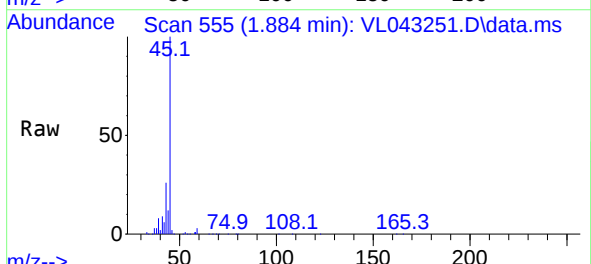
Tgt Ion: 43 Resp: 143219  
Ion Ratio Lower Upper  
43 100  
58 24.8 20.7 31.1

Manual Integrations  
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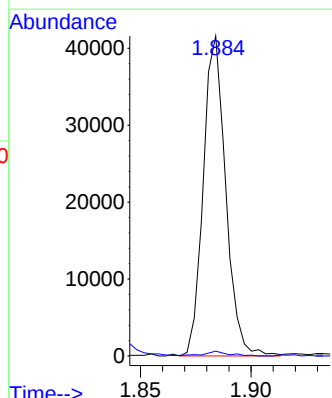
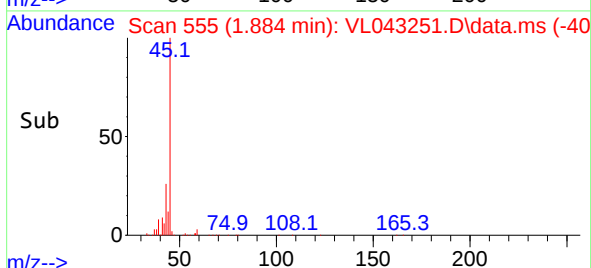
Reviewed By :Semsettin Yesilyurt 11/21/2025  
Supervised By :Mahesh Dadoda 11/21/2025

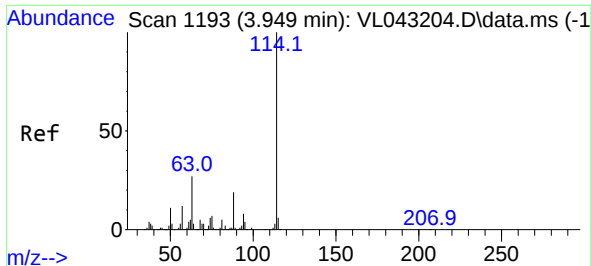


#19  
Isopropyl Alcohol  
Concen: 3.796 ppbv  
RT: 1.884 min Scan# 555  
Delta R.T. 0.003 min  
Lab File: VL043251.D  
Acq: 19 Nov 2025 22:07



Tgt Ion: 45 Resp: 29365  
Ion Ratio Lower Upper  
45 100  
58 120.7 31.3 46.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1193

Delta R.T. -0.003 min

Lab File: VL043251.D

Acq: 19 Nov 2025 22:07

Instrument :

MSVOA\_L

ClientSampleId :

10-SG-1DL

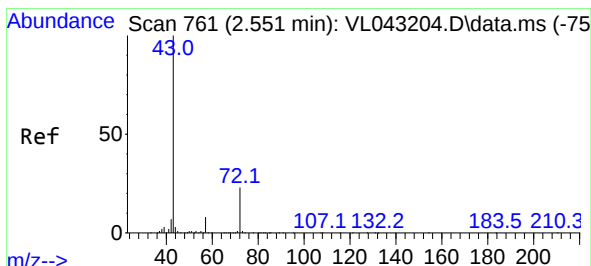
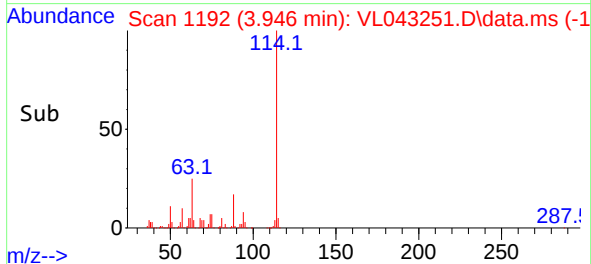
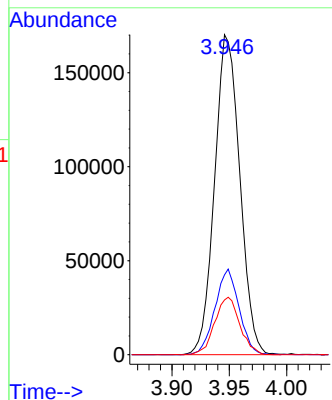
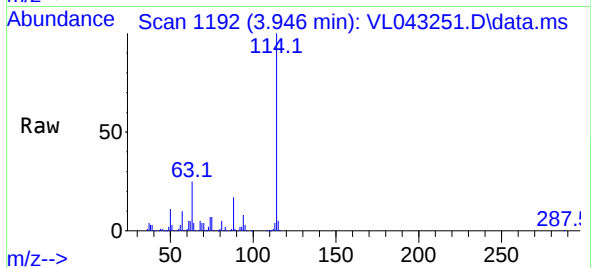
Tgt Ion:114 Resp: 260350

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 25.6  | 21.0  | 31.6  |
| 88  | 17.9  | 14.9  | 22.3  |

Manual Integrations

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#34

2-Butanone

Concen: 0.105 ppbv m

RT: 2.557 min Scan# 763

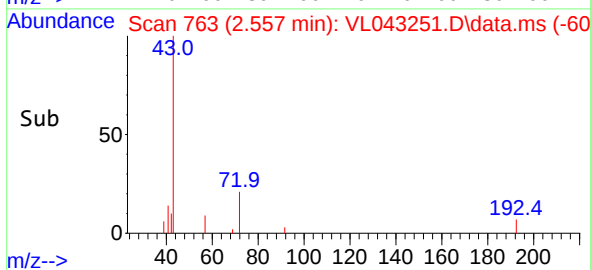
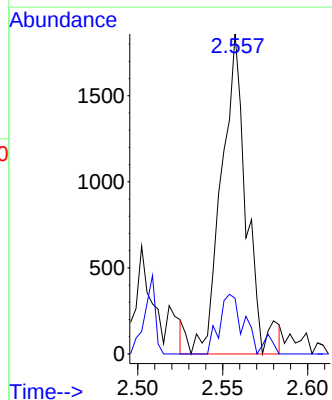
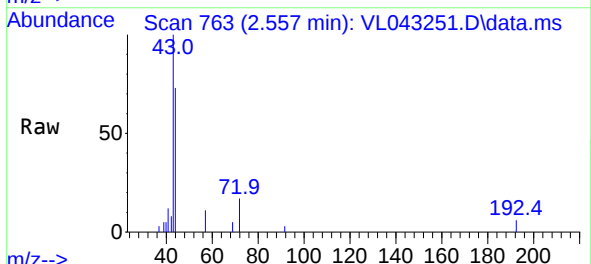
Delta R.T. 0.006 min

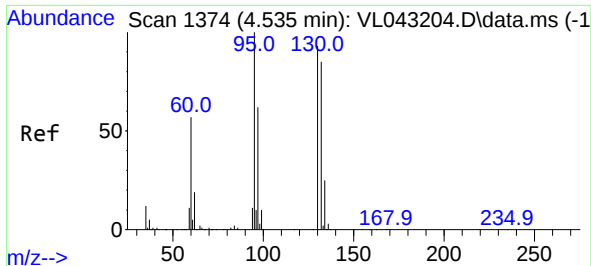
Lab File: VL043251.D

Acq: 19 Nov 2025 22:07

Tgt Ion: 43 Resp: 1927

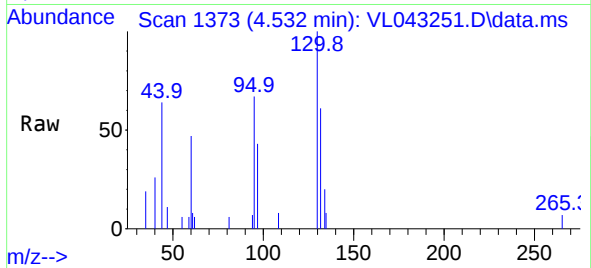
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 18.1  | 27.1# |





#38  
Trichloroethene  
Concen: 0.106 ppbv m  
RT: 4.532 min Scan# 1373  
Delta R.T. -0.003 min  
Lab File: VL043251.D  
Acq: 19 Nov 2025 22:07

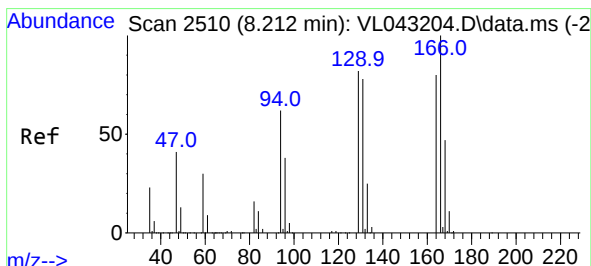
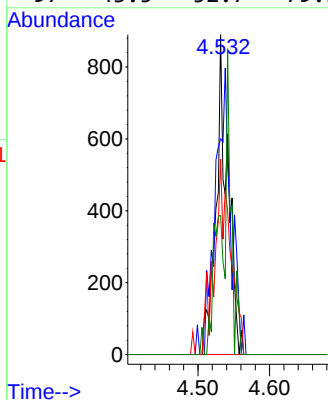
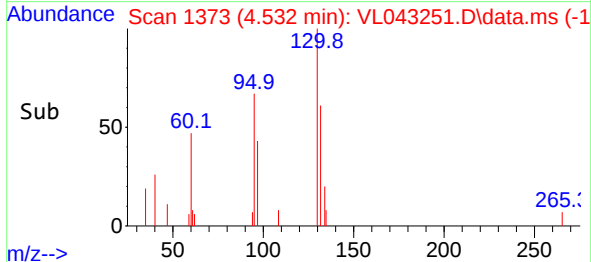
Instrument :  
MSVOA\_L  
ClientSampleId :  
10-SG-1DL



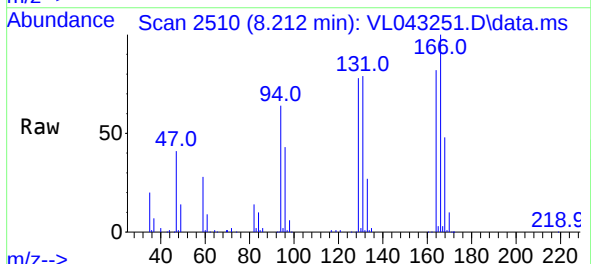
Tgt Ion:130 Resp: 103  
Ion Ratio Lower Upper  
130 100  
95 67.4 85.7 128.5  
132 61.1 73.4 110.0  
97 43.5 52.7 79.1

Manual Integrations  
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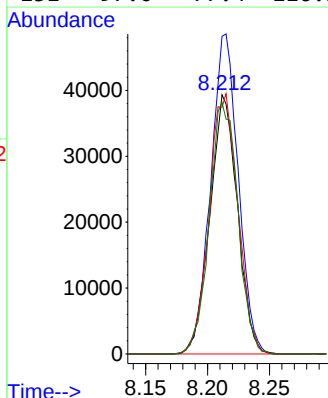
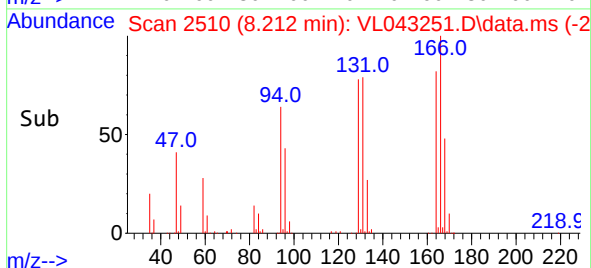
Reviewed By :Semsettin Yesilyurt 11/21/2025  
Supervised By :Mahesh Dadoda 11/21/2025

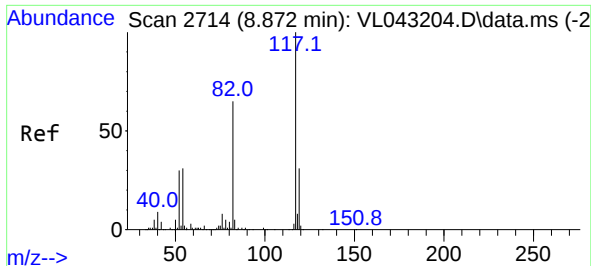


#52  
Tetrachloroethene  
Concen: 6.588 ppbv  
RT: 8.212 min Scan# 2510  
Delta R.T. -0.000 min  
Lab File: VL043251.D  
Acq: 19 Nov 2025 22:07



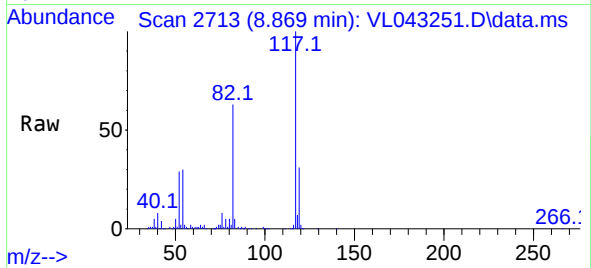
Tgt Ion:164 Resp: 61105  
Ion Ratio Lower Upper  
164 100  
166 122.5 99.4 149.2  
129 95.2 81.8 122.8  
131 97.0 77.4 116.2





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.869 min Scan# 2117  
Delta R.T. -0.003 min  
Lab File: VL043251.D  
Acq: 19 Nov 2025 22:07

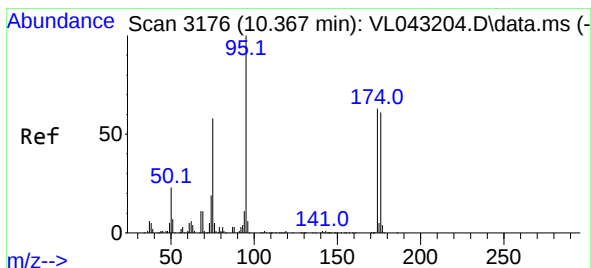
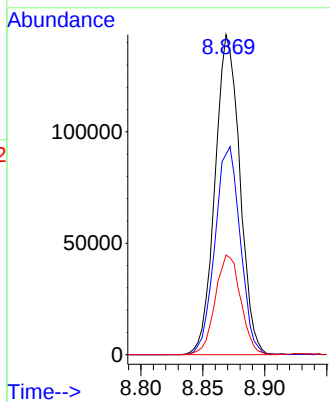
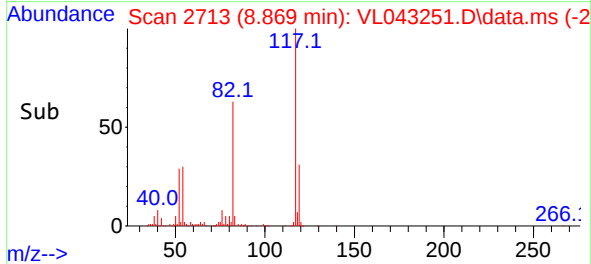
Instrument :  
MSVOA\_L  
ClientSampleId :  
10-SG-1DL



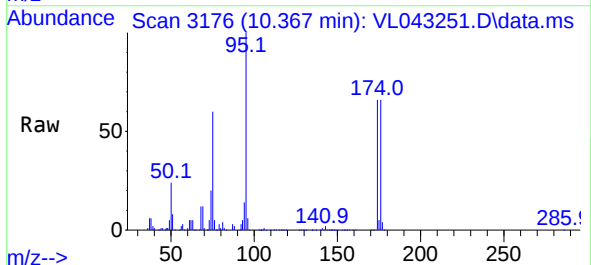
Tgt Ion: 117 Resp: 200769  
Ion Ratio Lower Upper  
117 100  
82 66.3 56.1 84.1  
119 32.0 25.0 37.6

Manual Integrations  
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#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.438 ppbv  
RT: 10.367 min Scan# 3176  
Delta R.T. -0.000 min  
Lab File: VL043251.D  
Acq: 19 Nov 2025 22:07



Tgt Ion: 95 Resp: 138896  
Ion Ratio Lower Upper  
95 100  
174 65.9 50.2 75.2  
175 5.2 4.1 6.1

