

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
 Data File : VL042337.D
 Acq On : 15 Apr 2025 17:46
 Operator : SY/MD
 Sample : Q1802-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025

Quant Time: Apr 16 01:35:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.816	49	186062	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	4.001	114	460120	10.000	ppbv	0.05
55) Chlorobenzene-d5	8.917	117	399178	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.406	95	311387	9.499	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.000%
Target Compounds						
9) Propene	1.496	41	2342	0.182	ppbv	98
13) Ethanol	1.739	45	6598	5.426	ppbv #	27
15) Acetone	1.855	43	10165	0.391	ppbv #	29
20) Methylene Chloride	2.082	84	1430	0.148	ppbv #	75
29) Chloroform	2.881	83	19420	0.509	ppbv	96
31) cis-1,2-Dichloroethene	2.752	61	4872	0.184	ppbv	90
34) 2-Butanone	2.587	43	39696	1.190	ppbv	96
38) Trichloroethene	4.600	130	16012m	0.841	ppbv	
52) Tetrachloroethene	8.267	164	399592	22.089	ppbv	97
53) Toluene	6.982	91	5314m	0.098	ppbv	

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

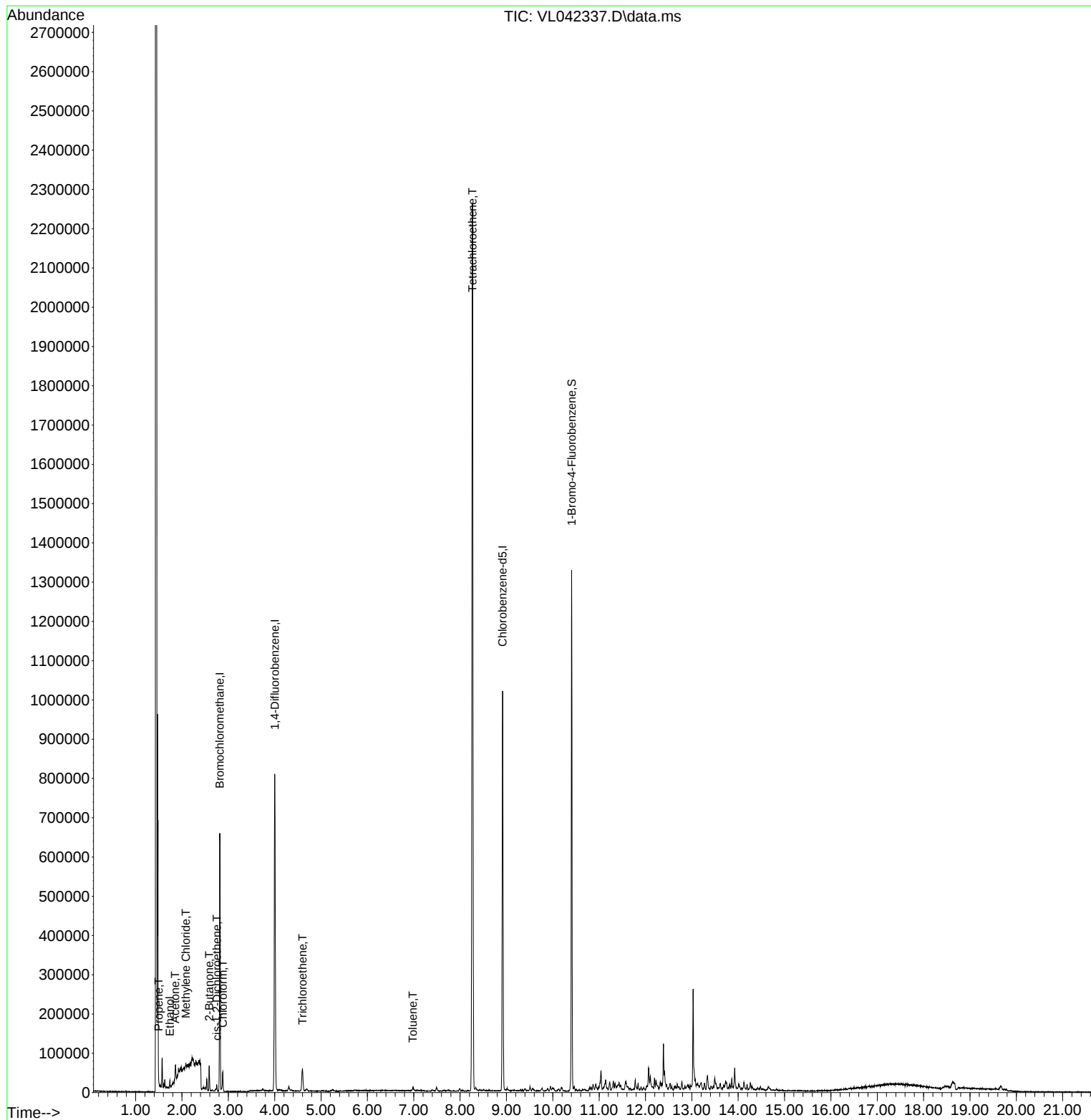
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
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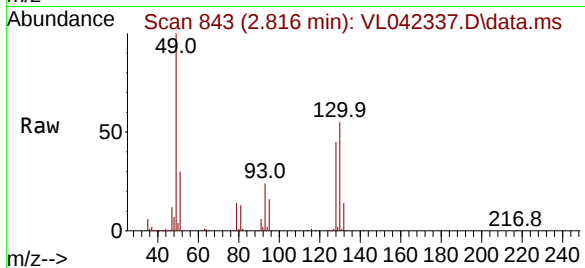
Quant Time: Apr 16 01:35:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.816 min Scan# 84
Delta R.T. 0.032 min
Lab File: VL042337.D
Acq: 15 Apr 2025 17:46

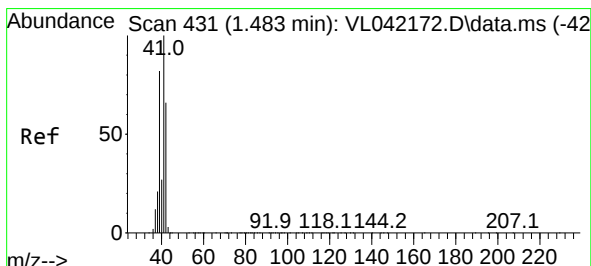
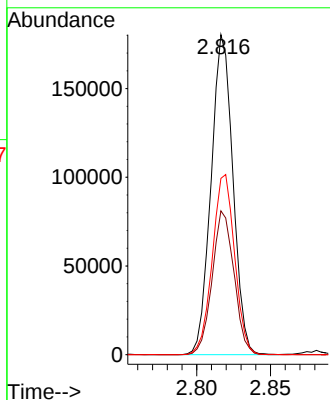
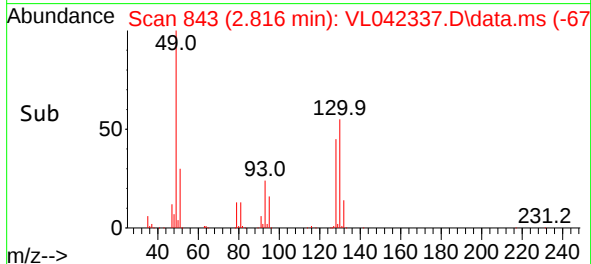
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 186062
Ion Ratio Lower Upper
49 100
128 44.8 22.9 68.5
130 57.5 28.8 86.4

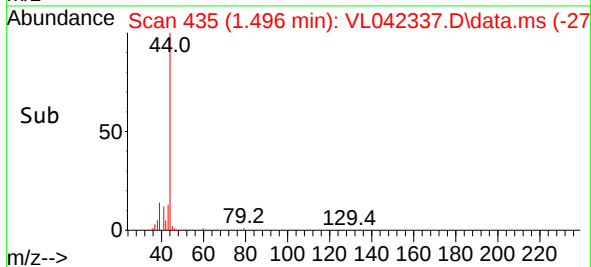
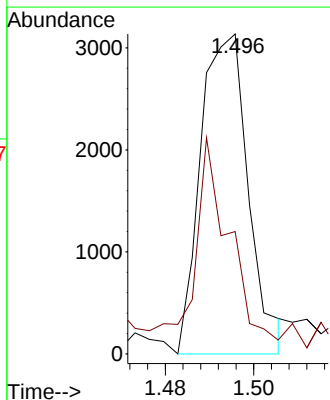
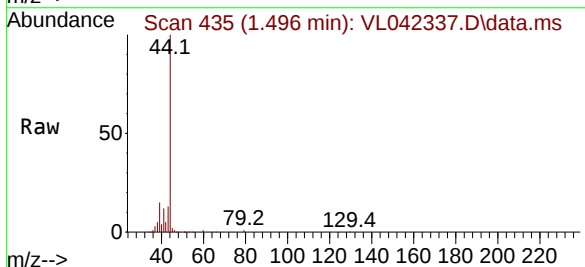
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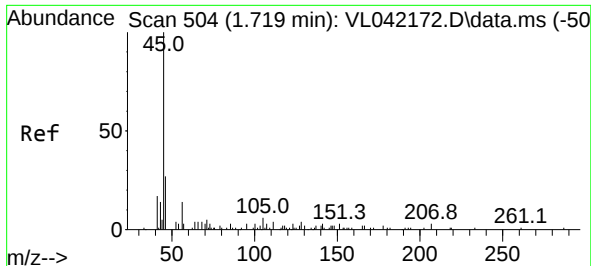
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#9
Propene
Concen: 0.182 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.013 min
Lab File: VL042337.D
Acq: 15 Apr 2025 17:46

Tgt Ion: 41 Resp: 2342
Ion Ratio Lower Upper
41 100
42 70.8 55.4 83.2





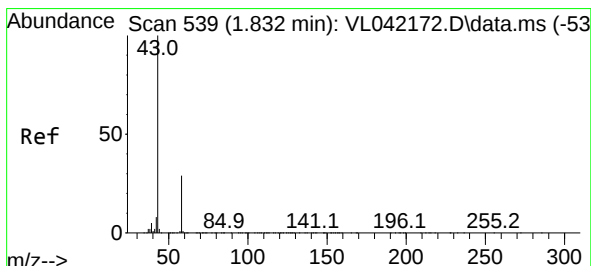
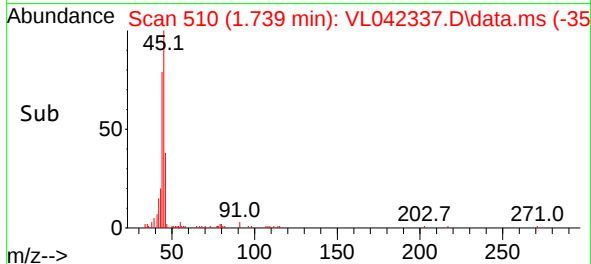
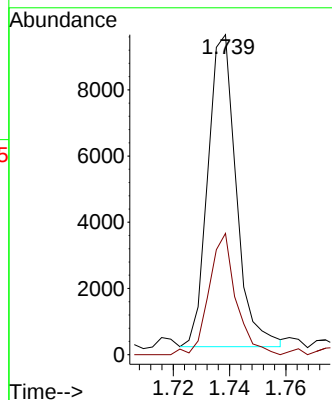
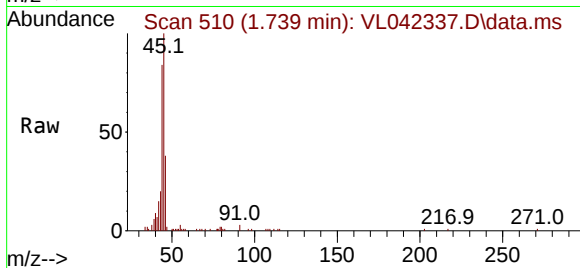
#13
Ethanol
Concen: 5.426 ppbv
RT: 1.739 min Scan# 510
Delta R.T. 0.019 min
Lab File: VL042337.D
Acq: 15 Apr 2025 17:46

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 45 Resp: 6598
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8

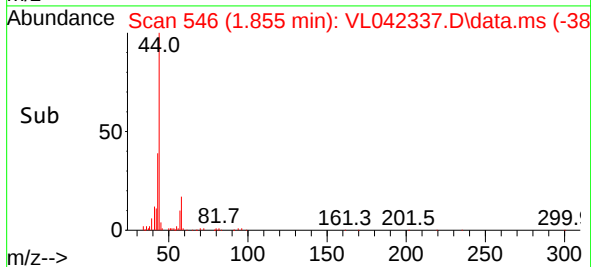
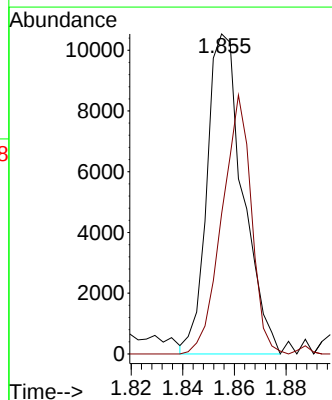
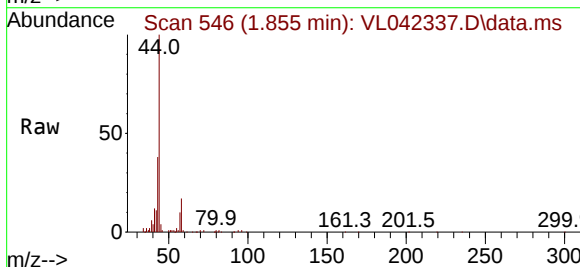
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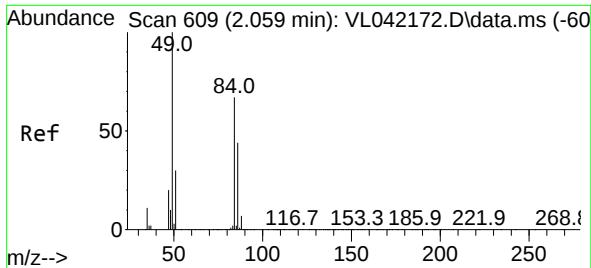
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#15
Acetone
Concen: 0.391 ppbv
RT: 1.855 min Scan# 546
Delta R.T. 0.023 min
Lab File: VL042337.D
Acq: 15 Apr 2025 17:46

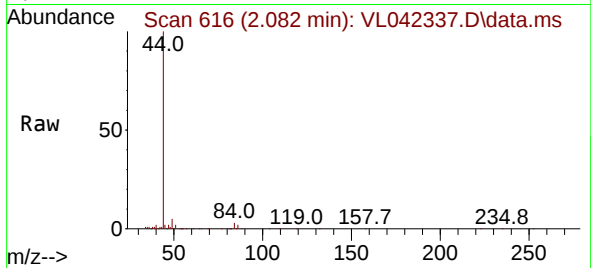
Tgt Ion: 43 Resp: 10165
Ion Ratio Lower Upper
43 100
58 67.2 23.2 34.8





#20
Methylene Chloride
Concen: 0.148 ppbv
RT: 2.082 min Scan# 616
Delta R.T. 0.023 min
Lab File: VL042337.D
Acq: 15 Apr 2025 17:46

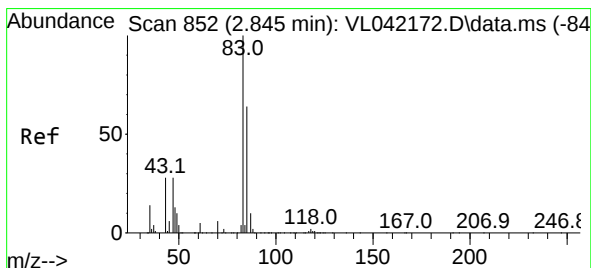
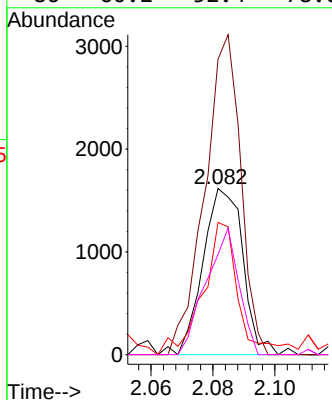
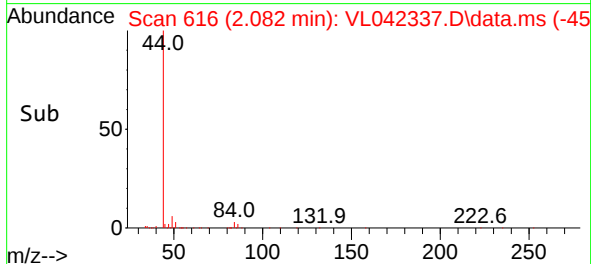
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



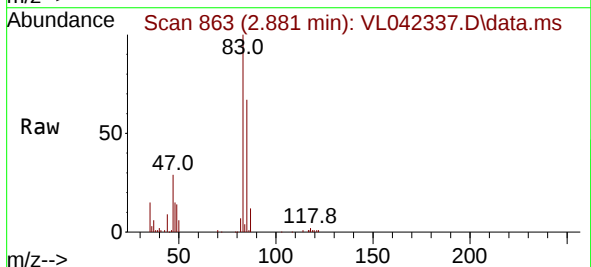
Tgt Ion: 84 Resp: 1430
Ion Ratio Lower Upper
84 100
49 186.5 120.2 180.4
51 74.5 37.4 56.0
86 60.2 52.4 78.6

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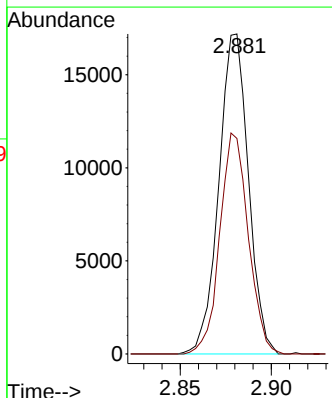
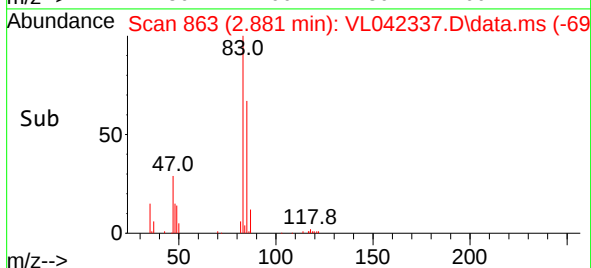
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Supervised By :Mahesh Dadoda 04/16/2025

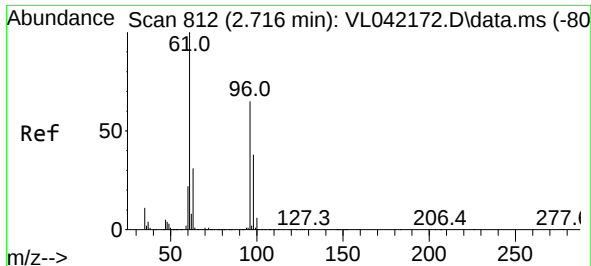


#29
Chloroform
Concen: 0.509 ppbv
RT: 2.881 min Scan# 863
Delta R.T. 0.036 min
Lab File: VL042337.D
Acq: 15 Apr 2025 17:46



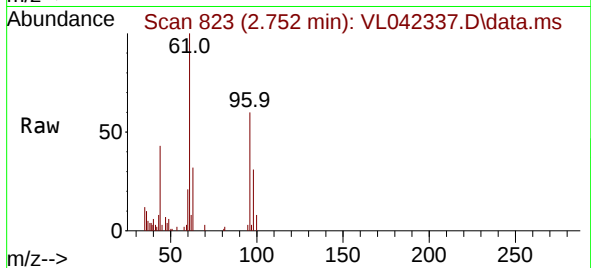
Tgt Ion: 83 Resp: 19420
Ion Ratio Lower Upper
83 100
85 67.4 51.4 77.2





#31
 cis-1,2-Dichloroethene
 Concen: 0.184 ppbv
 RT: 2.752 min Scan# 81
 Delta R.T. 0.036 min
 Lab File: VL042337.D
 Acq: 15 Apr 2025 17:46

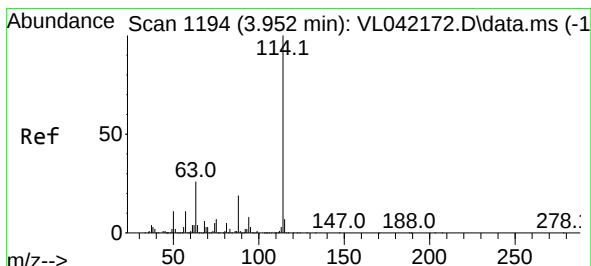
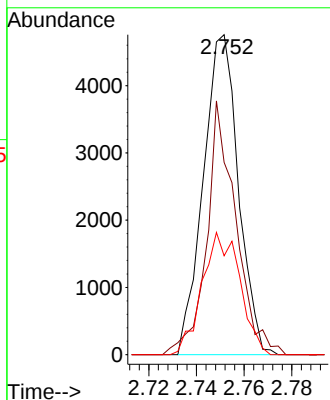
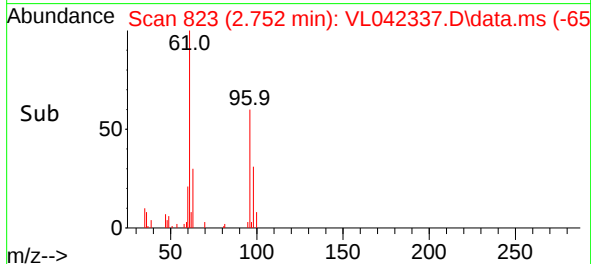
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



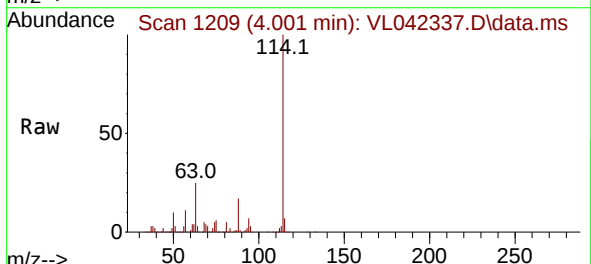
Tgt Ion: 61 Resp: 4872
 Ion Ratio Lower Upper
 61 100
 96 57.4 51.8 77.8
 98 30.9 30.6 46.0

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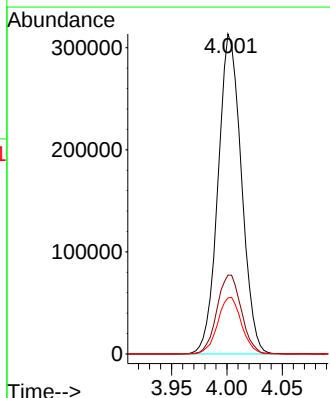
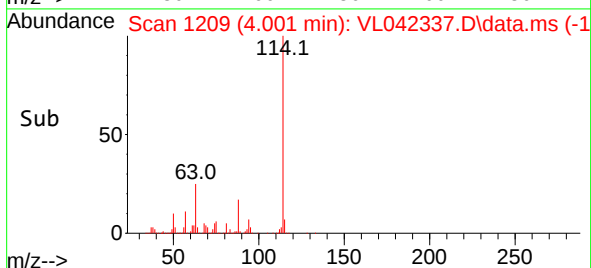
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 Supervised By :Mahesh Dadoda 04/16/2025

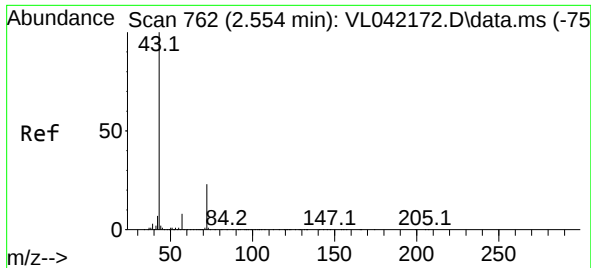


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 4.001 min Scan# 1209
 Delta R.T. 0.049 min
 Lab File: VL042337.D
 Acq: 15 Apr 2025 17:46



Tgt Ion:114 Resp: 460120
 Ion Ratio Lower Upper
 114 100
 63 25.9 20.7 31.1
 88 17.9 15.0 22.4





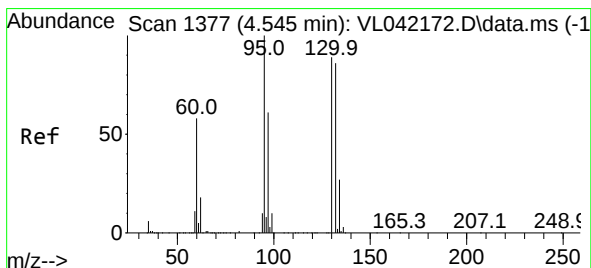
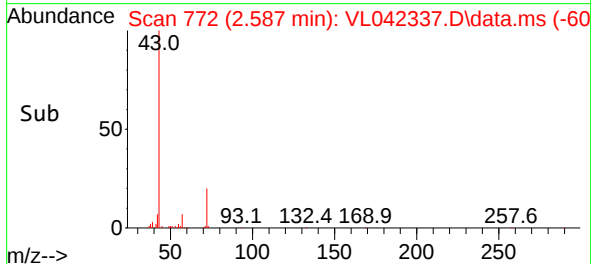
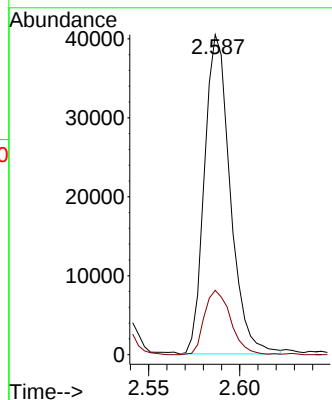
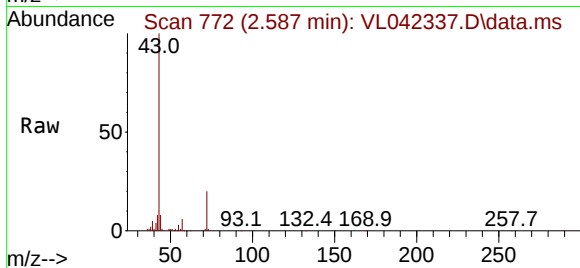
#34
2-Butanone
Concen: 1.190 ppbv
RT: 2.587 min Scan# 71
Delta R.T. 0.032 min
Lab File: VL042337.D
Acq: 15 Apr 2025 17:46

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 39690
Ion Ratio Lower Upper
43 100
72 20.8 18.2 27.2

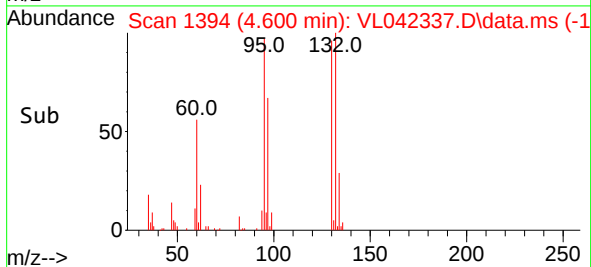
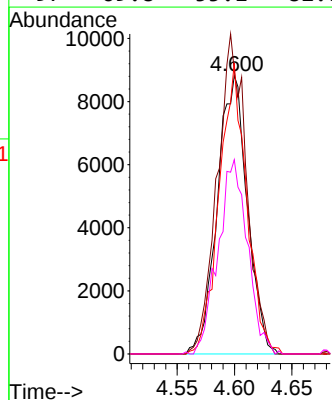
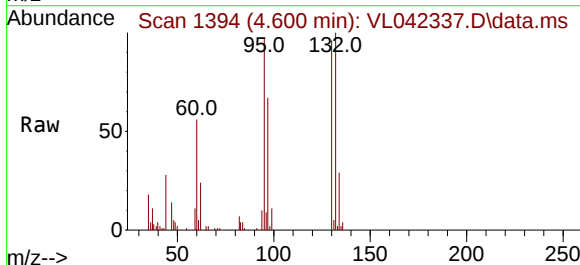
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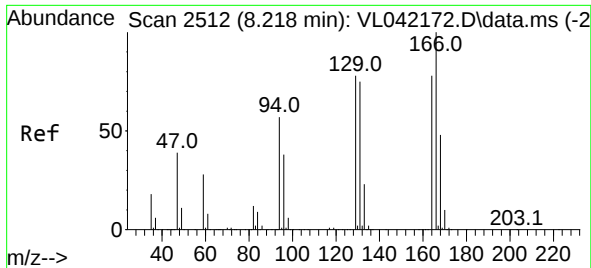
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#38
Trichloroethene
Concen: 0.841 ppbv m
RT: 4.600 min Scan# 1394
Delta R.T. 0.055 min
Lab File: VL042337.D
Acq: 15 Apr 2025 17:46

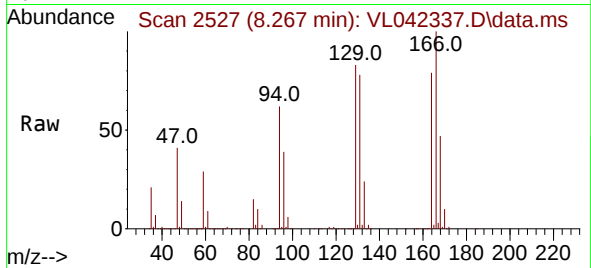
Tgt Ion:130 Resp: 16012
Ion Ratio Lower Upper
130 100
95 101.7 89.8 134.8
132 104.6 77.4 116.2
97 69.8 55.1 82.7





#52
Tetrachloroethene
Concen: 22.089 ppbv
RT: 8.267 min Scan# 2130
Delta R.T. 0.049 min
Lab File: VL042337.D
Acq: 15 Apr 2025 17:46

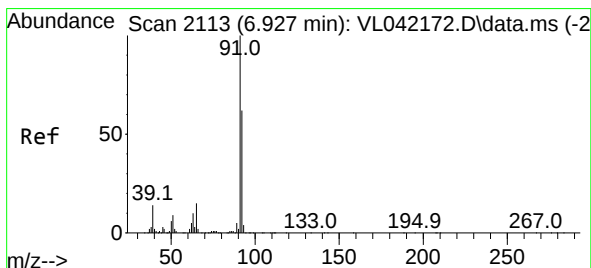
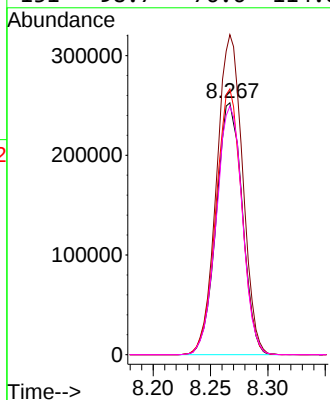
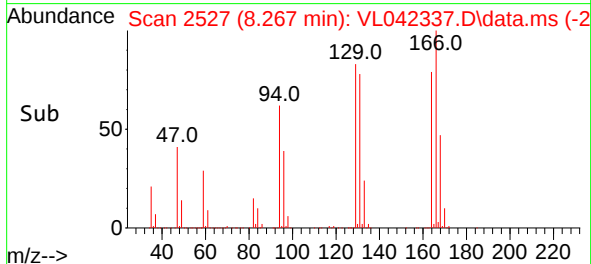
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:164 Resp: 399592
Ion Ratio Lower Upper
164 100
166 127.1 102.5 153.7
129 105.5 79.8 119.8
131 98.7 76.6 114.8

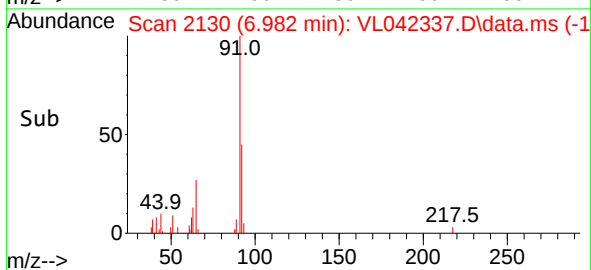
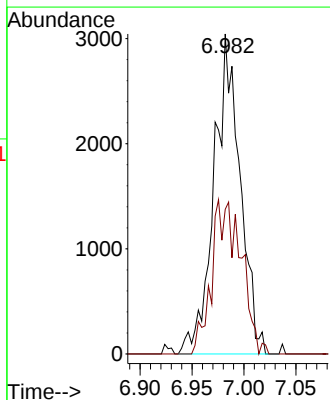
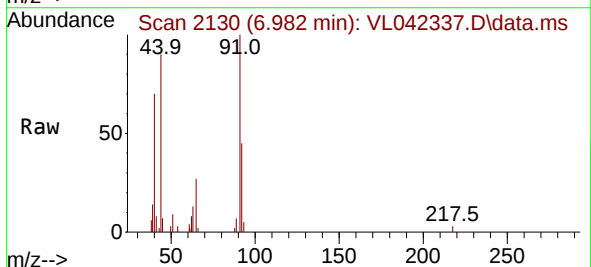
Manual Integrations
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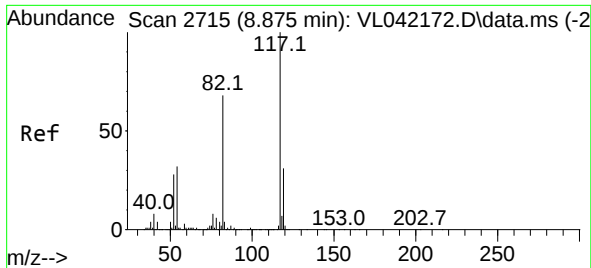
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#53
Toluene
Concen: 0.098 ppbv m
RT: 6.982 min Scan# 2130
Delta R.T. 0.055 min
Lab File: VL042337.D
Acq: 15 Apr 2025 17:46

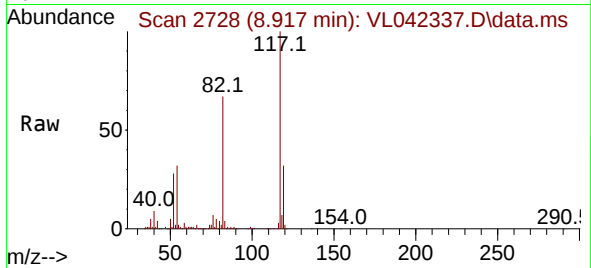
Tgt Ion: 91 Resp: 5314
Ion Ratio Lower Upper
91 100
92 0.0 48.4 72.6#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.917 min Scan# 21
Delta R.T. 0.042 min
Lab File: VL042337.D
Acq: 15 Apr 2025 17:46

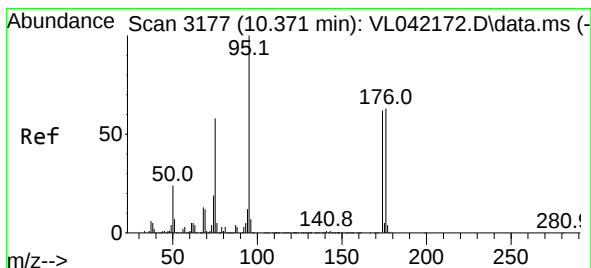
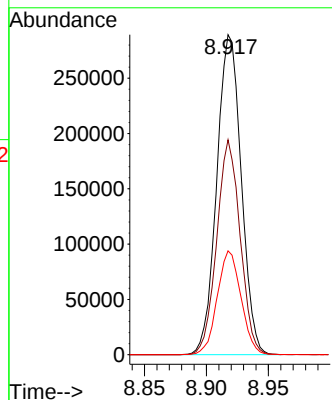
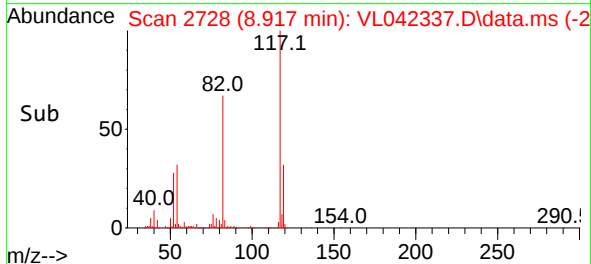
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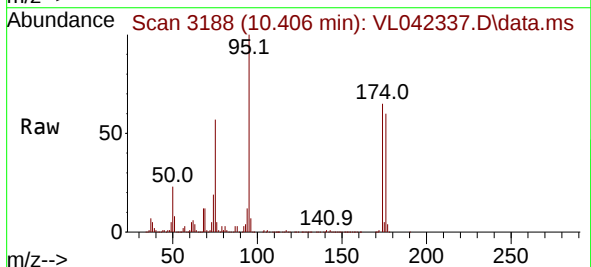
Tgt Ion: 117 Resp: 399178
Ion Ratio Lower Upper
117 100
82 64.2 55.8 83.6
119 31.5 25.5 38.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.499 ppbv
RT: 10.406 min Scan# 3188
Delta R.T. 0.036 min
Lab File: VL042337.D
Acq: 15 Apr 2025 17:46



Tgt Ion: 95 Resp: 311387
Ion Ratio Lower Upper
95 100
174 66.1 50.6 76.0
175 4.8 3.8 5.6

