

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
 Data File : VL042915.D
 Acq On : 08 Sep 2025 22:20
 Operator : SY/MD
 Sample : Q3052-02DL 60X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/10/2025
 Supervised By :Mahesh Dadoda 09/11/2025

Quant Time: Sep 09 01:00:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Tue Sep 09 00:52:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	134811	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	320038	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	301432	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	249201	11.023	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.200%
Target Compounds						
						Qvalue
3) Chlorodifluoromethane	1.473	51	6012	0.275	ppbv	96
9) Propene	1.483	41	6595	0.699	ppbv	85
10) Heptane	4.968	43	7166	0.284	ppbv	99
13) Ethanol	1.719	45	20056	23.257	ppbv	95
15) Acetone	1.832	43	218032	12.226	ppbv	99
17) tert-Butyl alcohol	2.039	59	2555	0.121	ppbv #	73
19) Isopropyl Alcohol	1.884	45	4885	0.459	ppbv #	34
20) Methylene Chloride	2.062	84	2206	0.295	ppbv	93
23) Vinyl Acetate	2.466	43	8022	0.327	ppbv #	47
26) Hexane	2.823	57	14127	0.709	ppbv #	39
29) Chloroform	2.845	83	101843	3.581	ppbv	98
34) 2-Butanone	2.557	43	5389	0.249	ppbv	100
42) Bromodichloromethane	4.480	83	6360	0.267	ppbv #	92
52) Tetrachloroethene	8.218	164	99264	8.953	ppbv	96
53) Toluene	6.927	91	6634m	0.182	ppbv	
59) m/p-Xylene	9.526	91	6826m	0.164	ppbv	

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

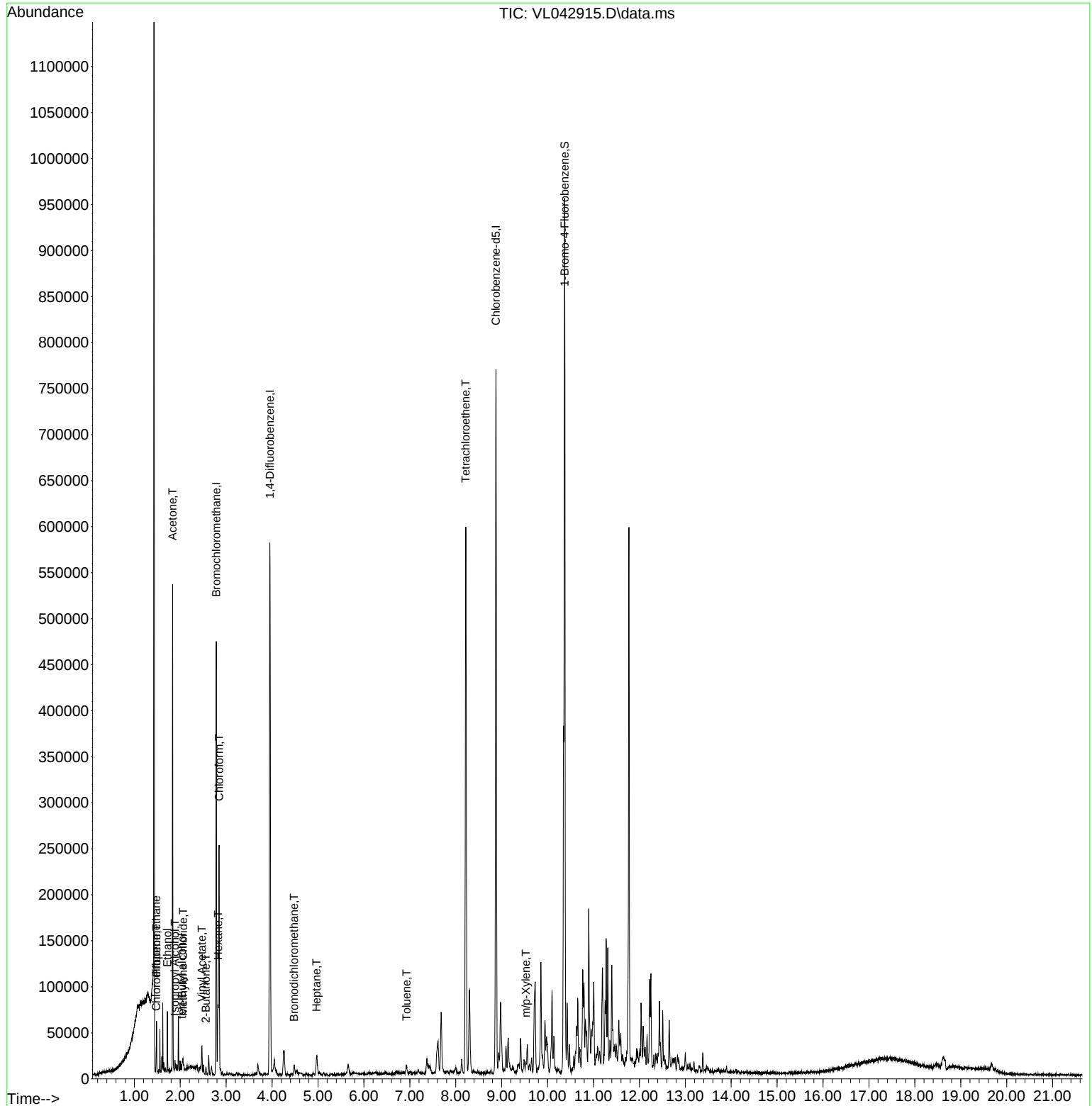
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
Data File : VL042915.D
Acq On : 08 Sep 2025 22:20
Operator : SY/MD
Sample : Q3052-02DL 60X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

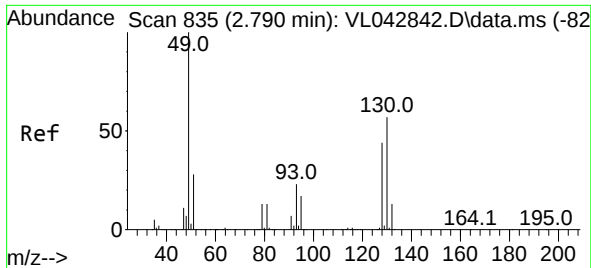
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

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Supervised By :Mahesh Dadoda 09/11/2025

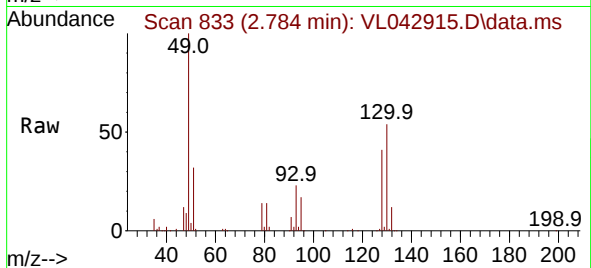
Quant Time: Sep 09 01:00:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 09 00:52:26 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20

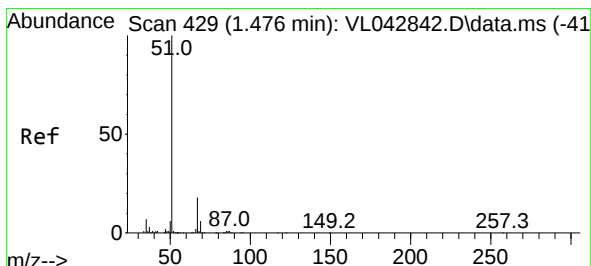
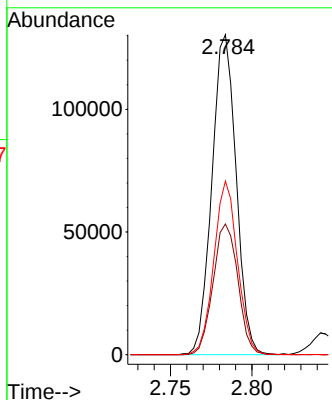
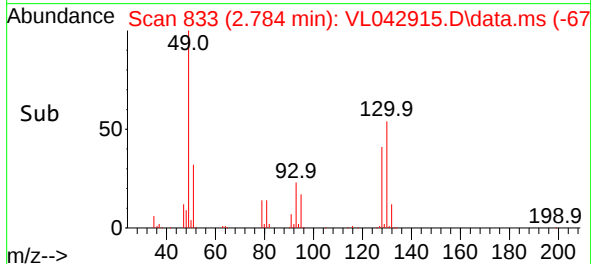
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 49 Resp: 13481
Ion Ratio Lower Upper
49 100
128 41.8 23.7 71.1
130 52.9 30.6 91.6

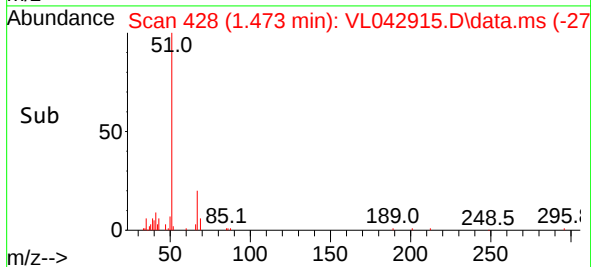
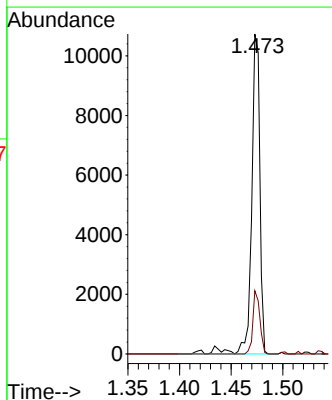
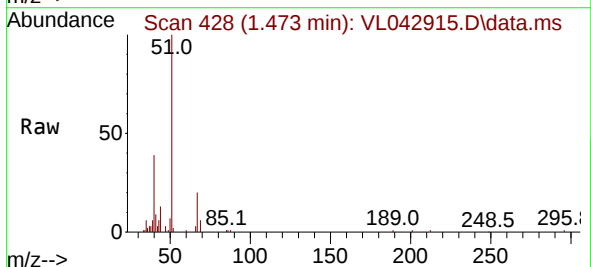
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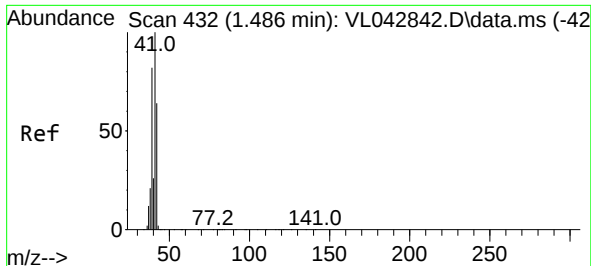
Reviewed By :Semsettin Yesilyurt 09/10/2025
Supervised By :Mahesh Dadoda 09/11/2025



#3
Chlorodifluoromethane
Concen: 0.275 ppbv
RT: 1.473 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20

Tgt Ion: 51 Resp: 6012
Ion Ratio Lower Upper
51 100
67 16.6 14.9 22.3





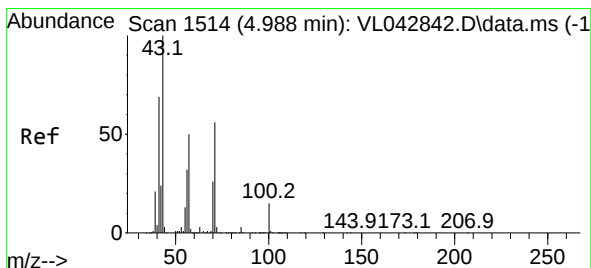
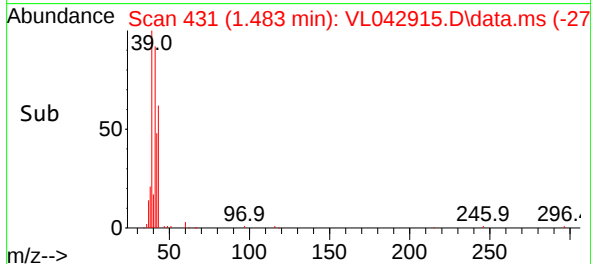
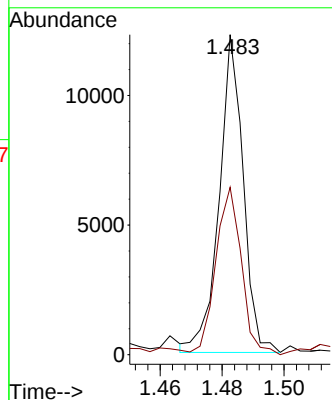
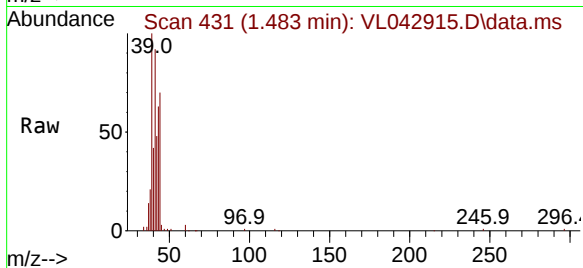
#9
Propene
Concen: 0.699 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 41 Resp: 659
Ion Ratio Lower Upper
41 100
42 53.9 53.0 79.4

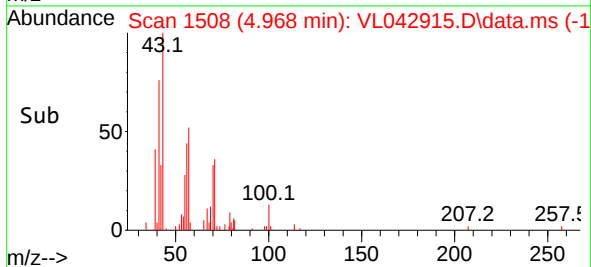
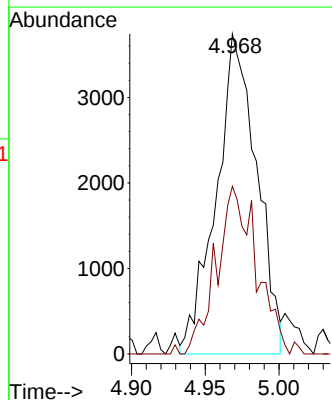
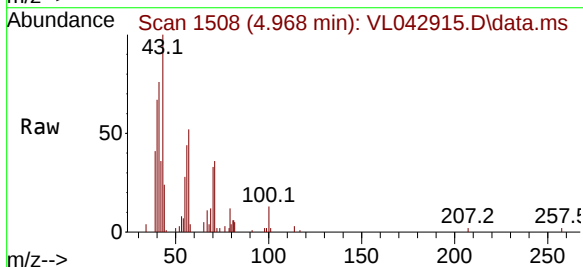
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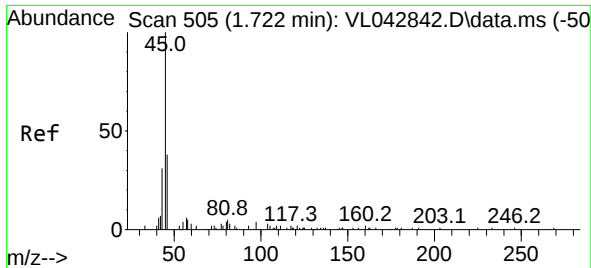
Reviewed By :Semsettin Yesilyurt 09/10/2025
Supervised By :Mahesh Dadoda 09/11/2025



#10
Heptane
Concen: 0.284 ppbv
RT: 4.968 min Scan# 1508
Delta R.T. 0.010 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20

Tgt Ion: 43 Resp: 7166
Ion Ratio Lower Upper
43 100
57 52.4 41.4 62.0





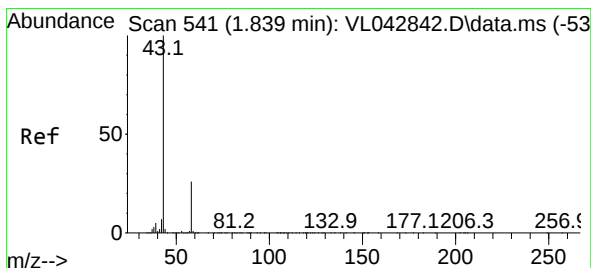
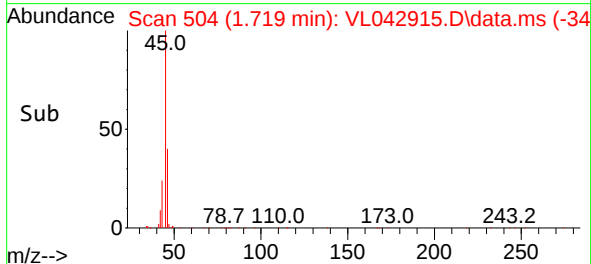
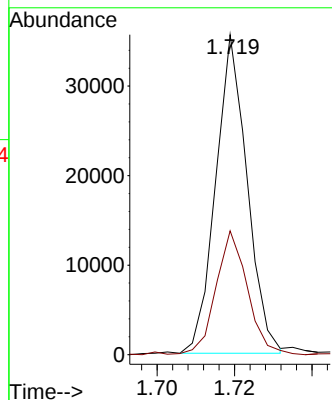
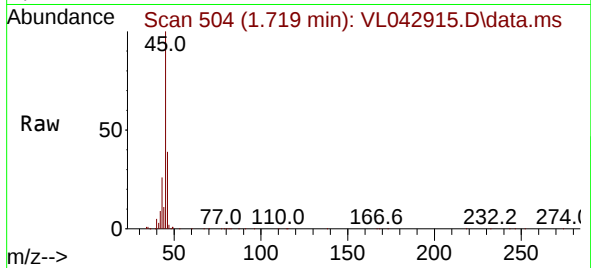
#13
Ethanol
Concen: 23.257 ppbv
RT: 1.719 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 45 Resp: 20050
Ion Ratio Lower Upper
45 100
46 40.4 17.5 69.9

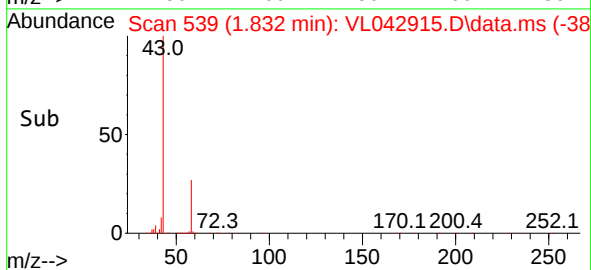
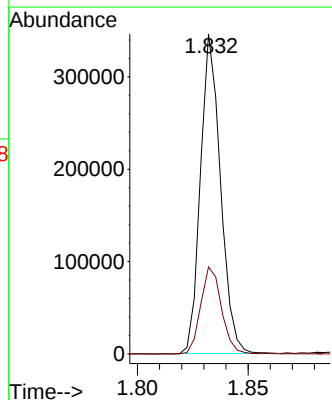
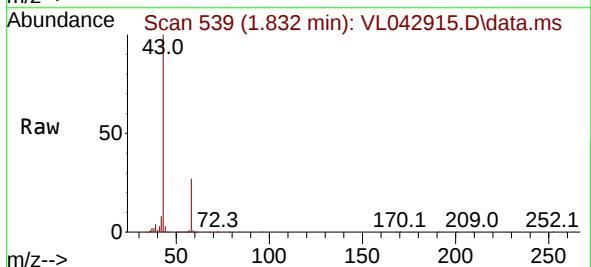
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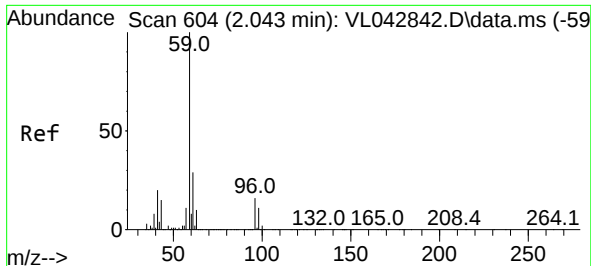
Reviewed By :Semsettin Yesilyurt 09/10/2025
Supervised By :Mahesh Dadoda 09/11/2025



#15
Acetone
Concen: 12.226 ppbv
RT: 1.832 min Scan# 539
Delta R.T. 0.003 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20

Tgt Ion: 43 Resp: 218032
Ion Ratio Lower Upper
43 100
58 28.4 22.4 33.6





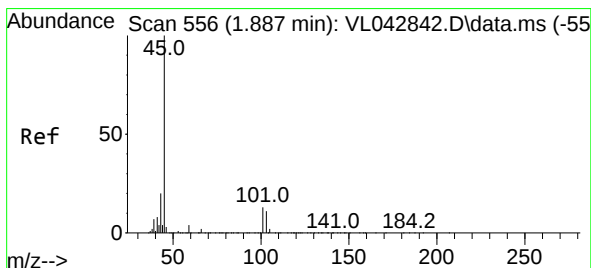
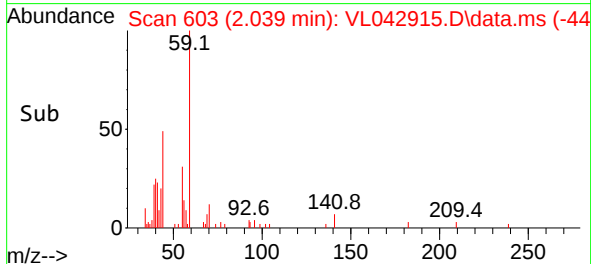
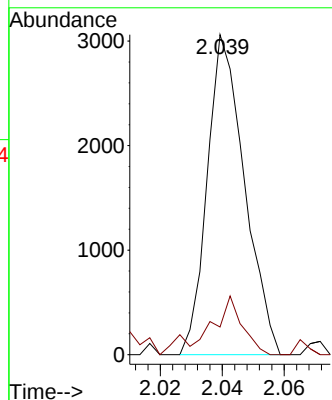
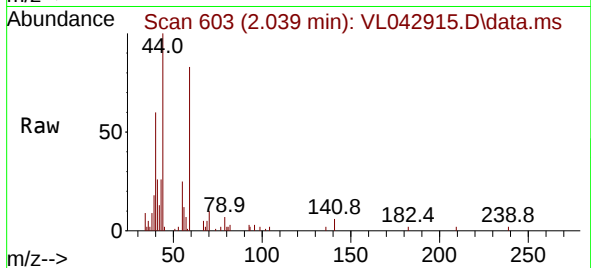
#17
tert-Butyl alcohol
Concen: 0.121 ppbv
RT: 2.039 min Scan# 604
Delta R.T. 0.006 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 59 Resp: 255
Ion Ratio Lower Upper
59 100
57 21.7 9.0 13.4

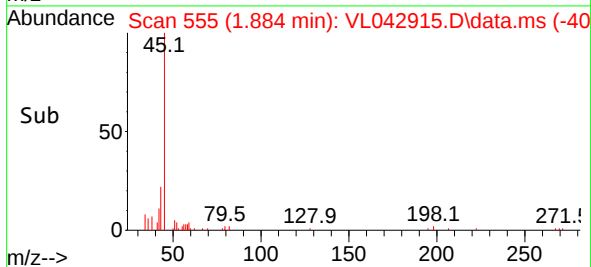
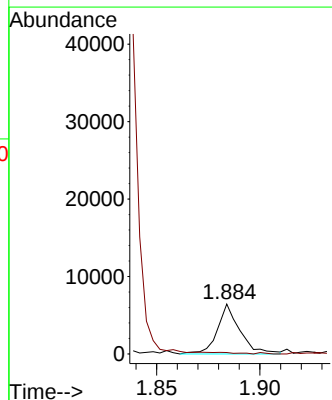
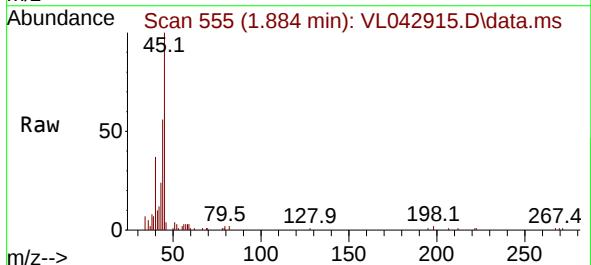
Manual Integrations
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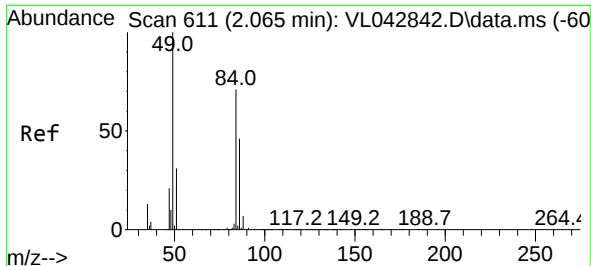
Reviewed By :Semsettin Yesilyurt 09/10/2025
Supervised By :Mahesh Dadoda 09/11/2025



#19
Isopropyl Alcohol
Concen: 0.459 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20

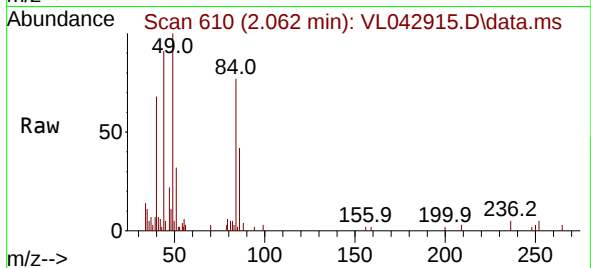
Tgt Ion: 45 Resp: 4885
Ion Ratio Lower Upper
45 100
58 0.0 32.7 49.1





#20
Methylene Chloride
Concen: 0.295 ppbv
RT: 2.062 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20

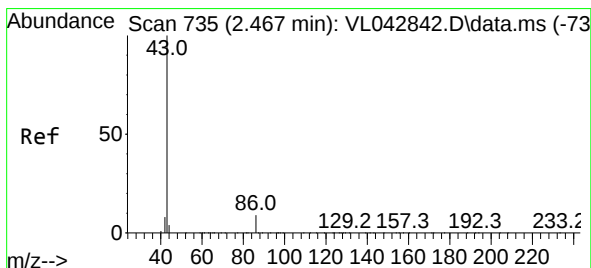
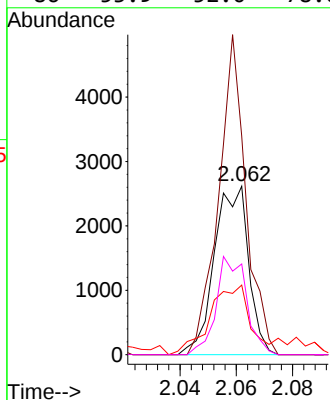
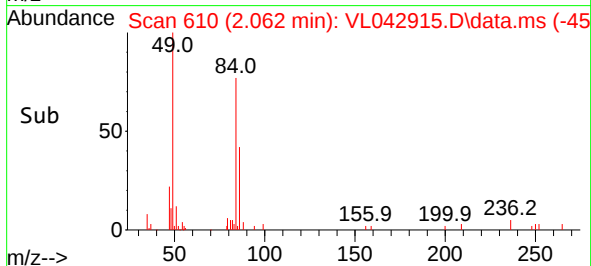
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.2	112.3	168.5
51	39.3	36.0	54.0
86	53.9	52.0	78.0

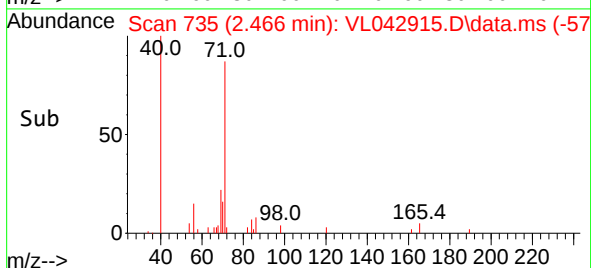
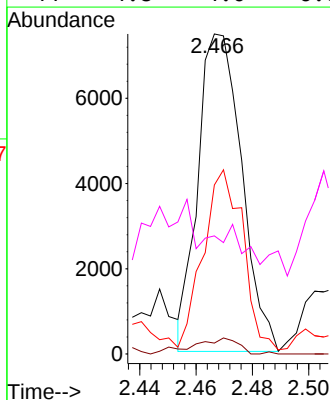
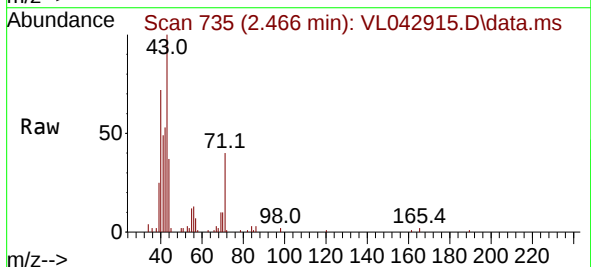
Manual Integrations
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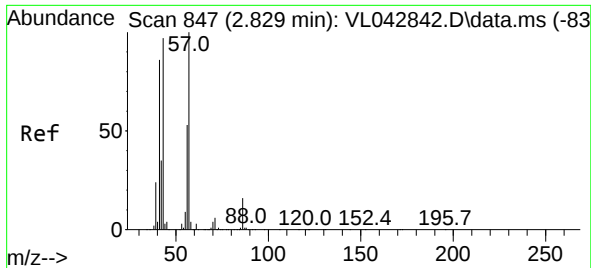
Reviewed By :Semsettin Yesilyurt 09/10/2025
Supervised By :Mahesh Dadoda 09/11/2025



#23
Vinyl Acetate
Concen: 0.327 ppbv
RT: 2.466 min Scan# 735
Delta R.T. 0.013 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20

Tgt Ion	Ratio	Lower	Upper
43	100		
86	3.4	6.6	9.8#
42	51.9	7.0	10.6#
44	4.8	4.0	6.0





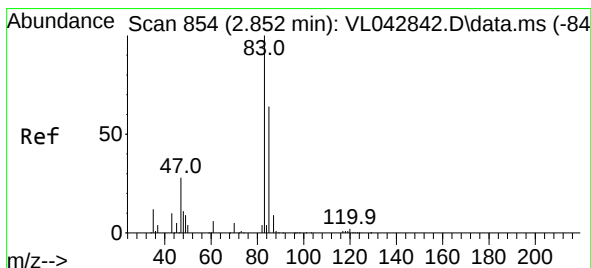
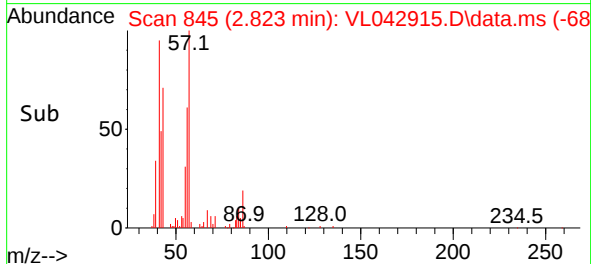
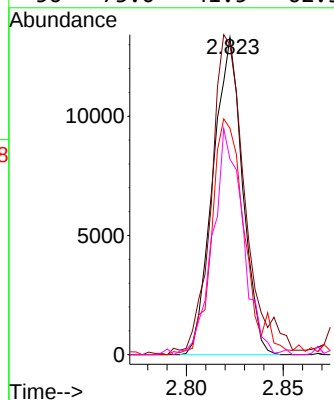
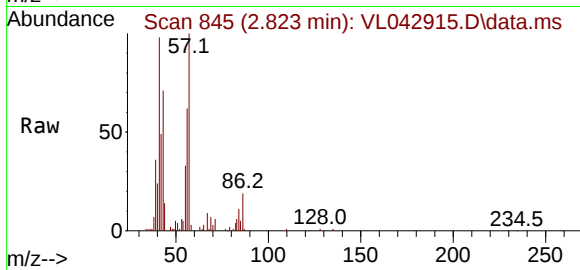
#26
Hexane
Concen: 0.709 ppbv
RT: 2.823 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 57 Resp: 14127
Ion Ratio Lower Upper
57 100
41 116.3 68.6 103.0
43 86.7 168.5 252.7
56 73.0 41.5 62.3

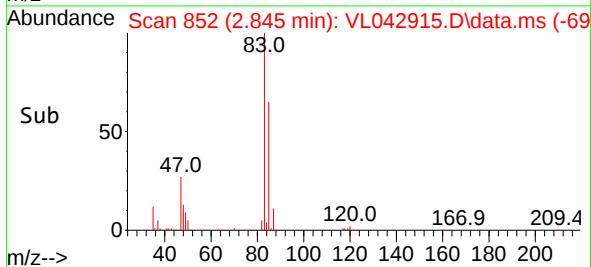
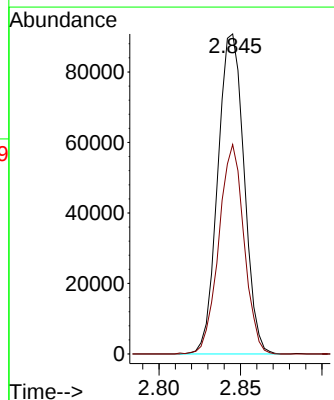
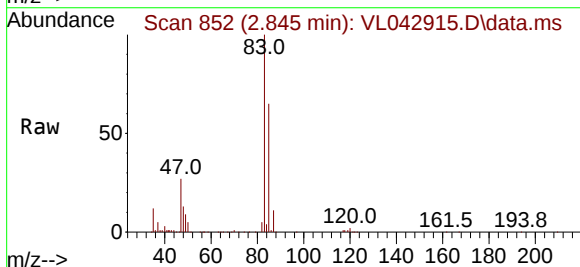
Manual Integrations
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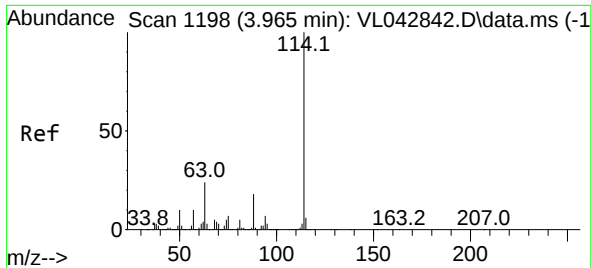
Reviewed By :Semsettin Yesilyurt 09/10/2025
Supervised By :Mahesh Dadoda 09/11/2025



#29
Chloroform
Concen: 3.581 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.006 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20

Tgt Ion: 83 Resp: 101843
Ion Ratio Lower Upper
83 100
85 65.5 51.1 76.7





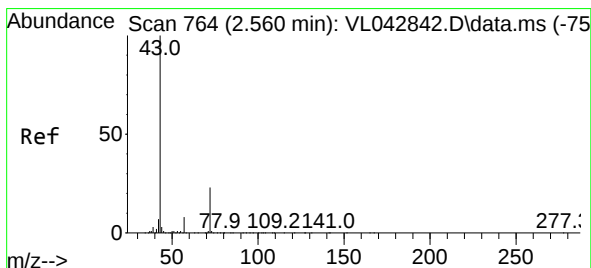
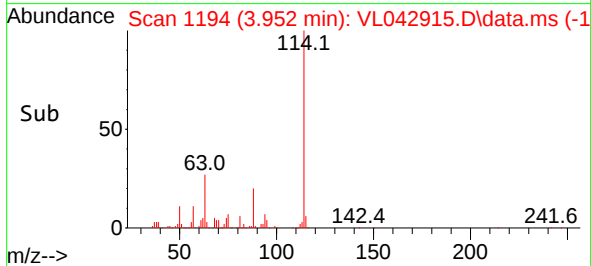
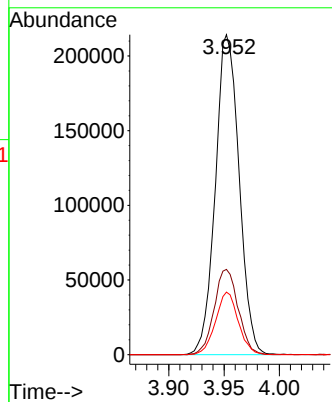
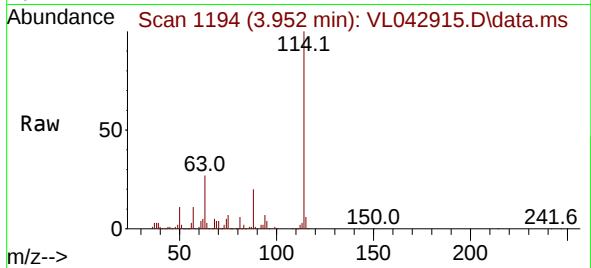
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.952 min Scan# 1194
 Delta R.T. 0.010 min
 Lab File: VL042915.D
 Acq: 08 Sep 2025 22:20

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Tgt Ion:114 Resp: 320038
 Ion Ratio Lower Upper
 114 100
 63 27.0 19.7 29.5
 88 18.7 14.4 21.6

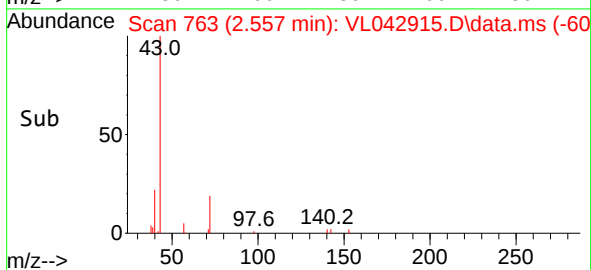
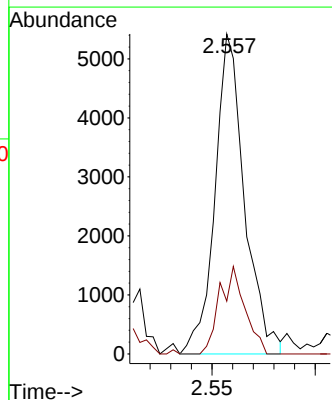
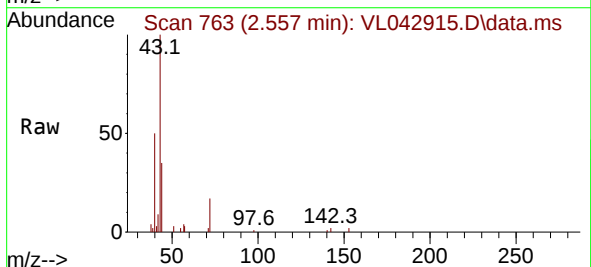
Manual Integrations
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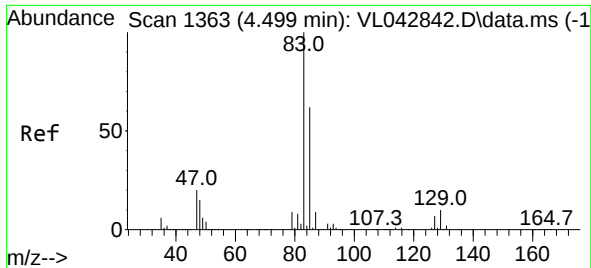
Reviewed By :Semsettin Yesilyurt 09/10/2025
 Supervised By :Mahesh Dadoda 09/11/2025



#34
 2-Butanone
 Concen: 0.249 ppbv
 RT: 2.557 min Scan# 763
 Delta R.T. 0.010 min
 Lab File: VL042915.D
 Acq: 08 Sep 2025 22:20

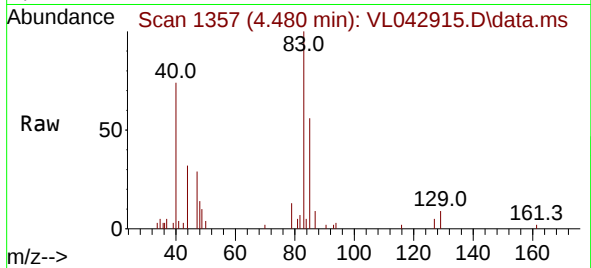
Tgt Ion: 43 Resp: 5389
 Ion Ratio Lower Upper
 43 100
 72 23.4 18.6 28.0





#42
Bromodichloromethane
Concen: 0.267 ppbv
RT: 4.480 min Scan# 1363
Delta R.T. 0.006 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20

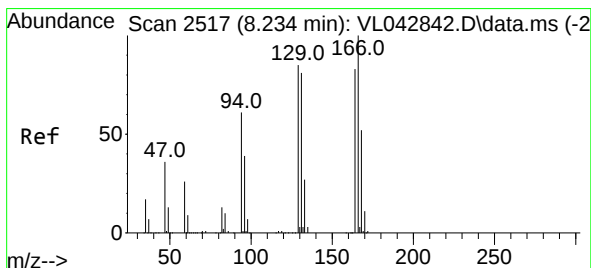
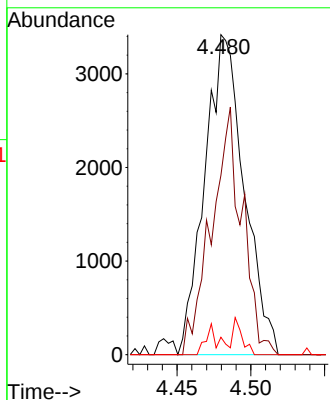
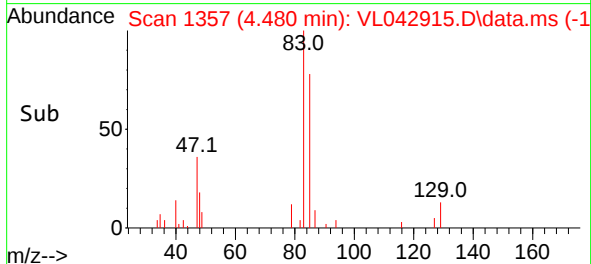
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



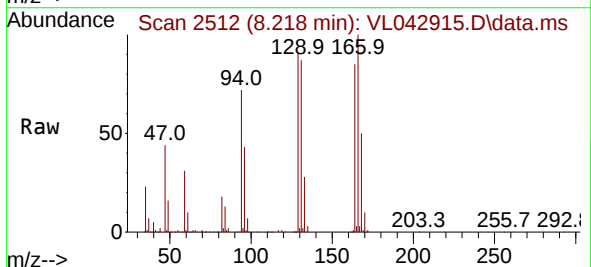
Tgt Ion: 83 Resp: 6360
Ion Ratio Lower Upper
83 100
85 56.0 49.8 74.8
127 5.4 5.8 8.6

Manual Integrations
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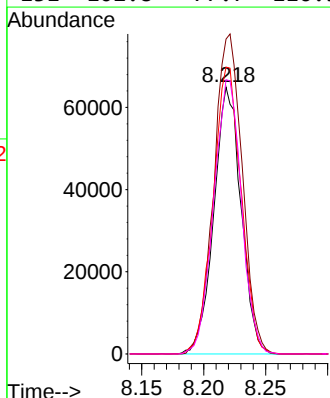
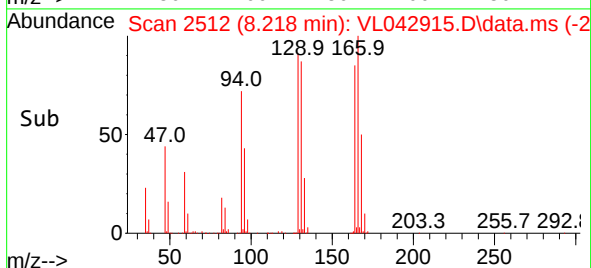
Reviewed By :Semsettin Yesilyurt 09/10/2025
Supervised By :Mahesh Dadoda 09/11/2025

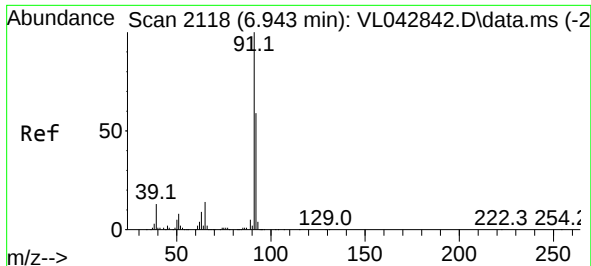


#52
Tetrachloroethene
Concen: 8.953 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20



Tgt Ion:164 Resp: 99264
Ion Ratio Lower Upper
164 100
166 118.1 96.5 144.7
129 107.6 81.8 122.6
131 102.8 77.7 116.5





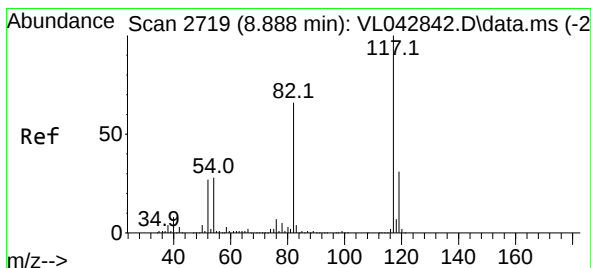
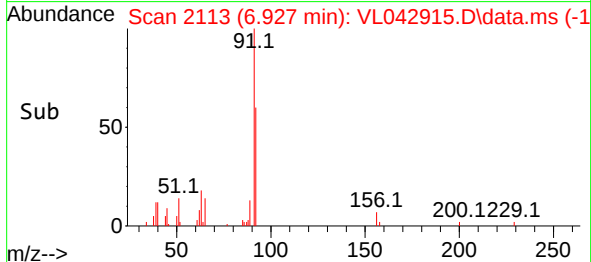
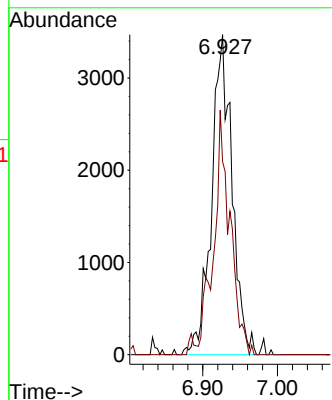
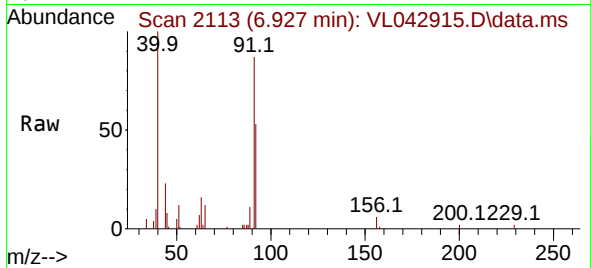
#53
Toluene
Concen: 0.182 ppbv m
RT: 6.927 min Scan# 2113
Delta R.T. 0.013 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 91 Resp: 6634
Ion Ratio Lower Upper
91 100
92 62.3 47.8 71.6

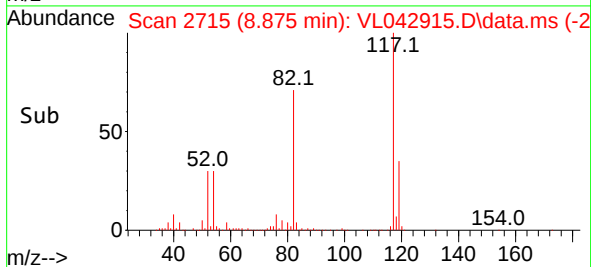
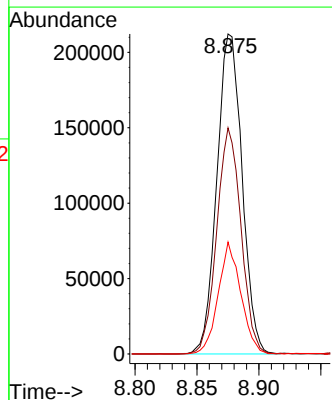
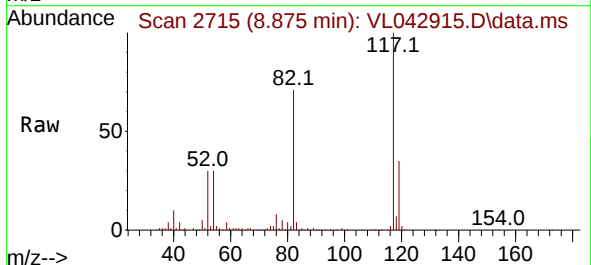
Manual Integrations
APPROVED

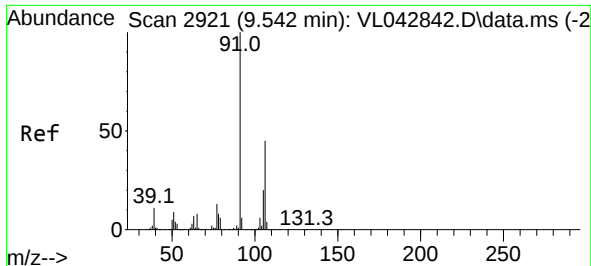
Reviewed By :Semsettin Yesilyurt 09/10/2025
Supervised By :Mahesh Dadoda 09/11/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.006 min
Lab File: VL042915.D
Acq: 08 Sep 2025 22:20

Tgt Ion:117 Resp: 301432
Ion Ratio Lower Upper
117 100
82 68.0 54.6 81.8
119 31.3 25.9 38.9





#59

m/p-Xylene

Concen: 0.164 ppbv m

RT: 9.526 min Scan# 29

Delta R.T. -0.013 min

Lab File: VL042915.D

Acq: 08 Sep 2025 22:20

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

Tgt Ion: 91 Resp: 6820

Ion Ratio Lower Upper

91 100

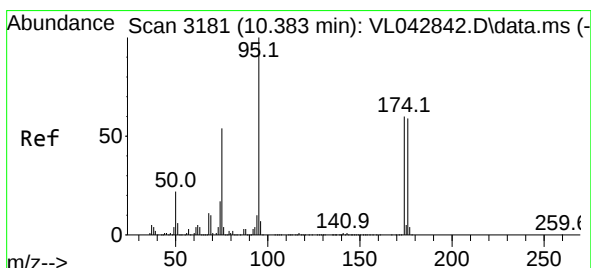
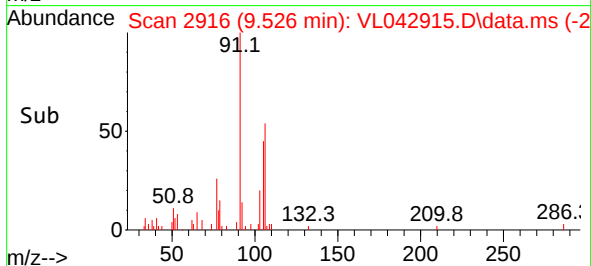
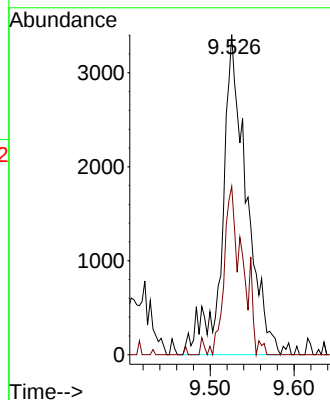
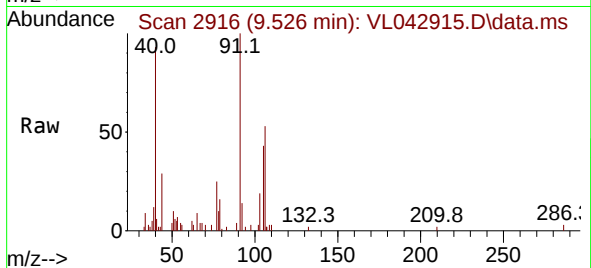
106 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/10/2025

Supervised By :Mahesh Dadoda 09/11/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 11.023 ppbv

RT: 10.370 min Scan# 3177

Delta R.T. 0.006 min

Lab File: VL042915.D

Acq: 08 Sep 2025 22:20

Tgt Ion: 95 Resp: 249201

Ion Ratio Lower Upper

95 100

174 55.9 48.4 72.6

175 4.1 3.8 5.8

