

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
 Data File : VL042944.D
 Acq On : 18 Sep 2025 14:01
 Operator : SY/MD
 Sample : Q3111-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025

Quant Time: Sep 19 01:25:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Sep 18 02:57:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	174462	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	433367	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	375554	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	290943	9.911	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%
Target Compounds						
					Qvalue	
4) Chloromethane	1.534	50	1123	0.112	ppbv #	77
9) Propene	1.489	41	18420m	1.922	ppbv	
13) Ethanol	1.738	45	61531	62.983	ppbv	93
15) Acetone	1.842	43	742105	34.631	ppbv	96
19) Isopropyl Alcohol	1.900	45	818245	71.220	ppbv #	96
20) Methylene Chloride	2.065	84	4339	0.465	ppbv	91
25) Ethyl Acetate	2.845	43	28430m	0.621	ppbv	
26) Hexane	2.836	57	5587	0.285	ppbv #	1
34) 2-Butanone	2.567	43	10224	0.364	ppbv	93
44) 2,2,4-Trimethylpentane	4.645	57	24962m	0.396	ppbv	
53) Toluene	6.943	91	15621	0.443	ppbv	98
59) m/p-Xylene	9.535	91	9341m	0.228	ppbv	
79) Naphthalene	13.516	128	2610m	0.414	ppbv	
80) Naphthalene,2-methyl-	14.465	142	3254	0.952	ppbv	95
81) 1,2,4-Trichlorobenzene	13.445	180	1329m	0.478	ppbv	

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

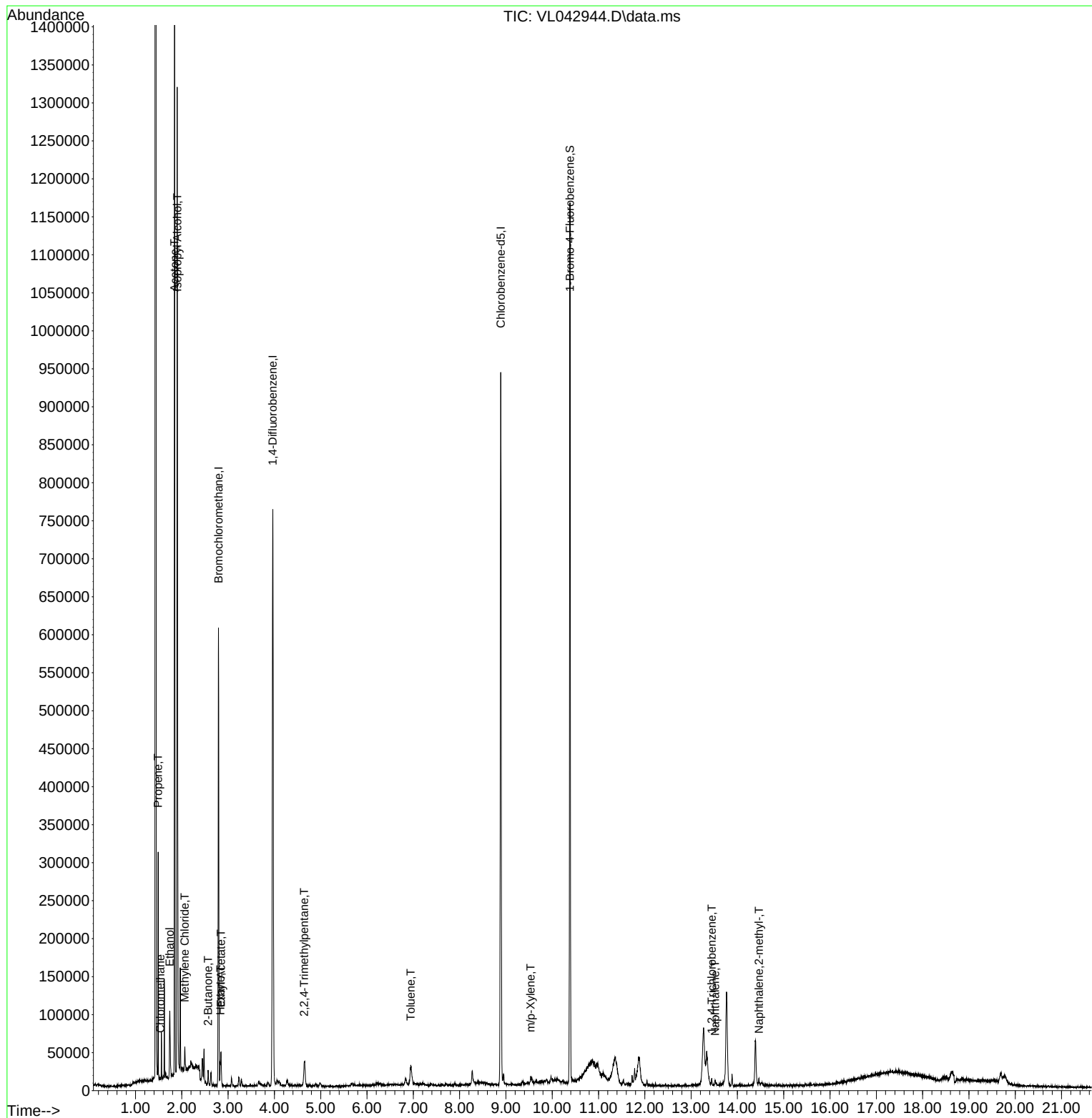
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042944.D
Acq On : 18 Sep 2025 14:01
Operator : SY/MD
Sample : Q3111-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

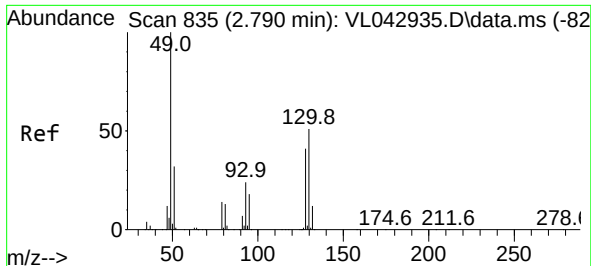
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

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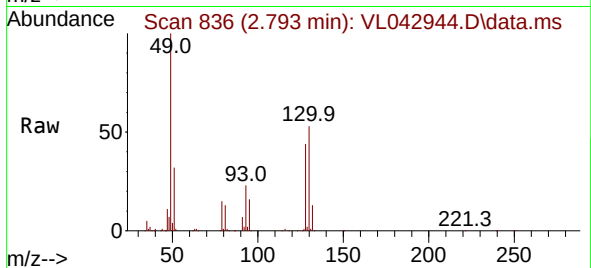
Quant Time: Sep 19 01:25:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 835
Delta R.T. 0.003 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01

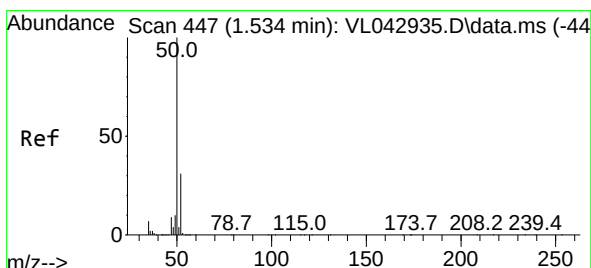
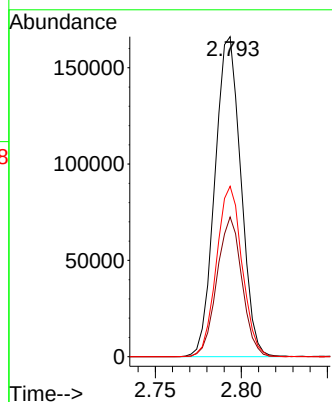
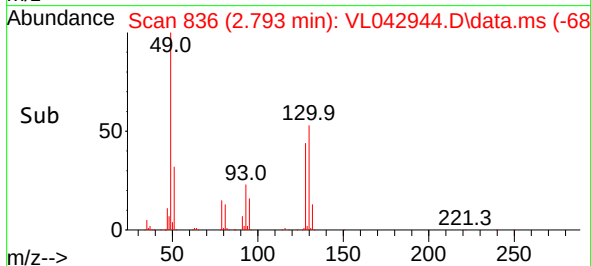
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 49 Resp: 174462
Ion Ratio Lower Upper
49 100
128 42.1 21.1 63.4
130 52.6 26.4 79.2

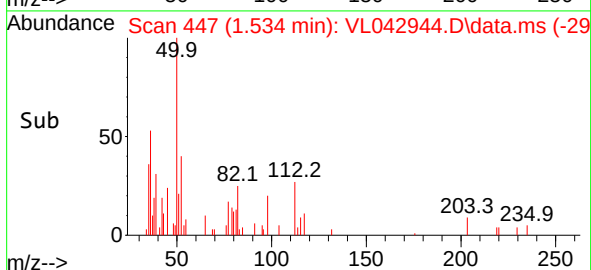
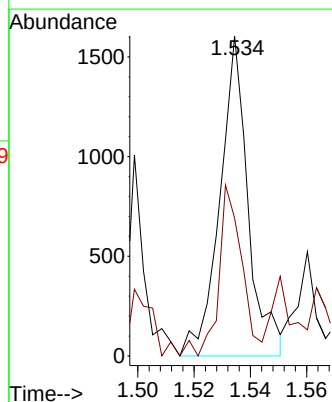
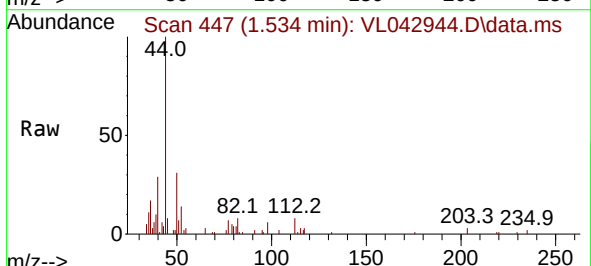
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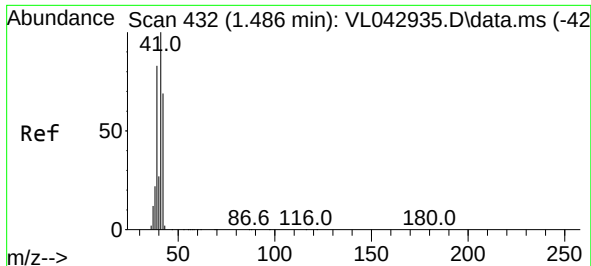
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#4
Chloromethane
Concen: 0.112 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01

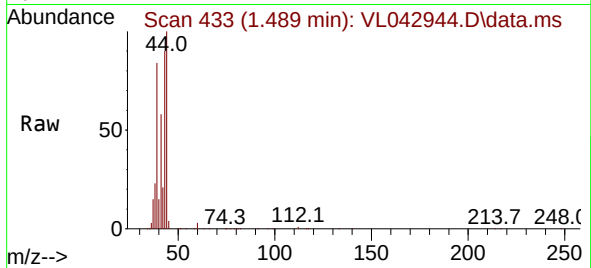
Tgt Ion: 50 Resp: 1123
Ion Ratio Lower Upper
50 100
52 43.1 24.6 36.8#





#9
 Propene
 Concen: 1.922 ppbv m
 RT: 1.489 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042944.D
 Acq: 18 Sep 2025 14:01

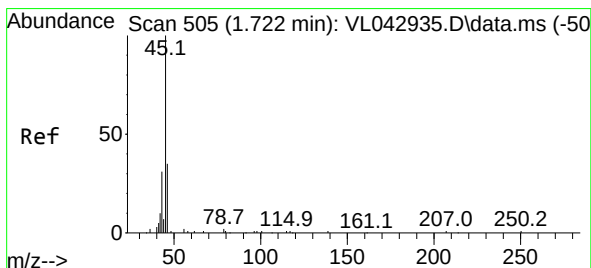
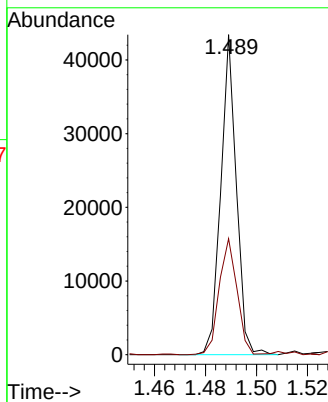
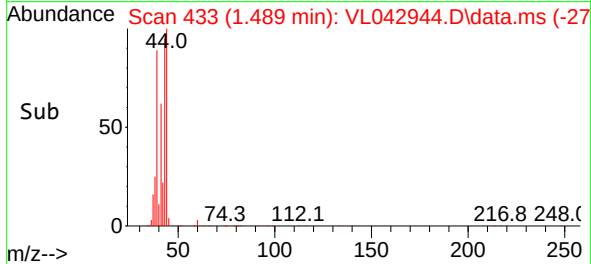
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL



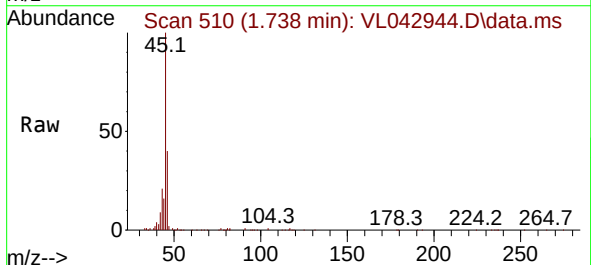
Tgt Ion: 41 Resp: 18420
 Ion Ratio Lower Upper
 41 100
 42 24.9 55.0 82.4

Manual Integrations
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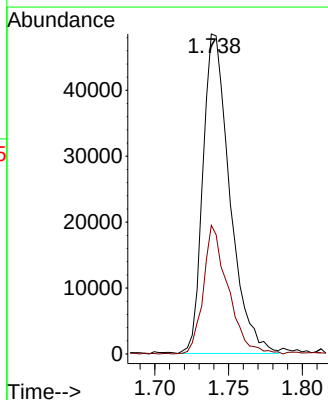
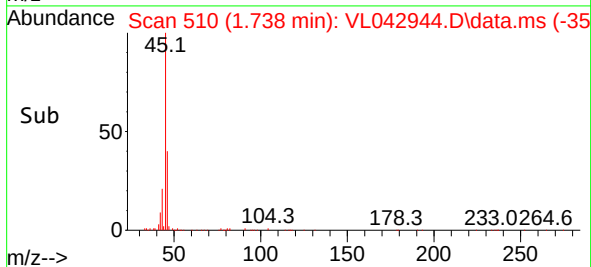
Reviewed By :Semsettin Yesilyurt 09/19/2025
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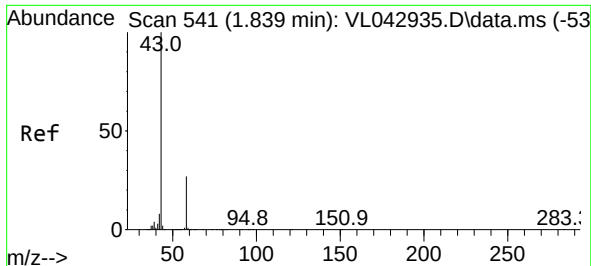


#13
 Ethanol
 Concen: 62.983 ppbv
 RT: 1.738 min Scan# 510
 Delta R.T. 0.016 min
 Lab File: VL042944.D
 Acq: 18 Sep 2025 14:01



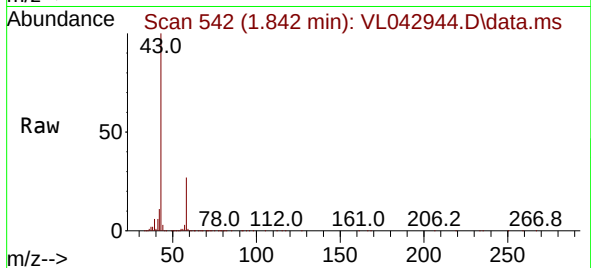
Tgt Ion: 45 Resp: 61531
 Ion Ratio Lower Upper
 45 100
 46 37.0 16.5 66.1





#15
Acetone
Concen: 34.631 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01

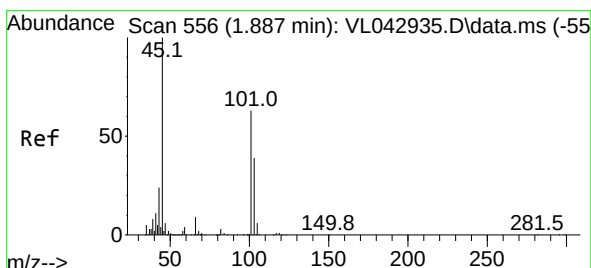
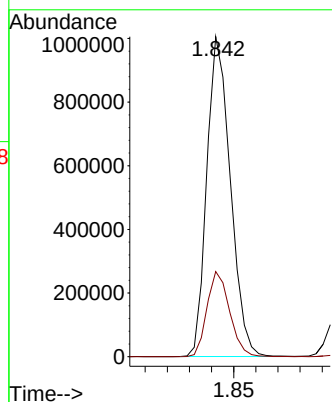
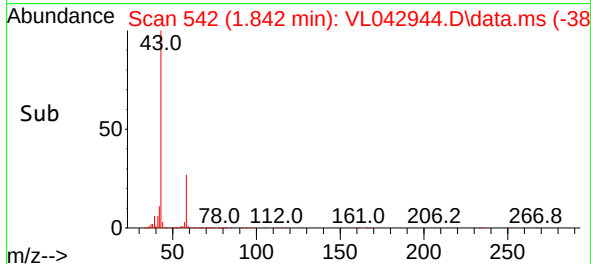
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 43 Resp: 742109
Ion Ratio Lower Upper
43 100
58 25.6 22.2 33.2

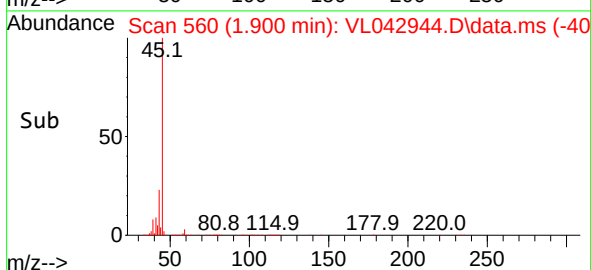
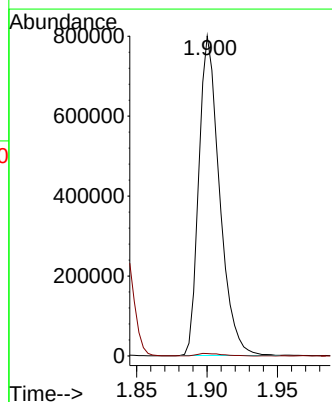
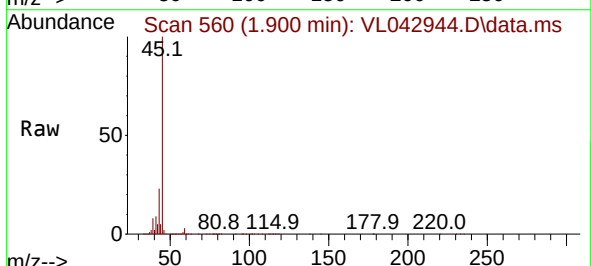
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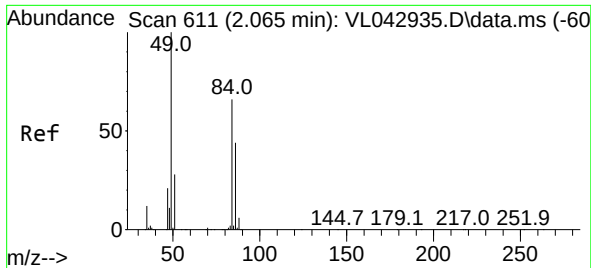
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#19
Isopropyl Alcohol
Concen: 71.220 ppbv
RT: 1.900 min Scan# 560
Delta R.T. 0.013 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01

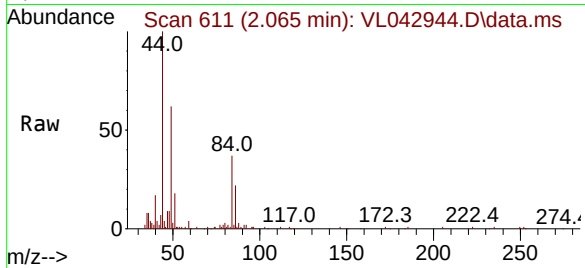
Tgt Ion: 45 Resp: 818245
Ion Ratio Lower Upper
45 100
58 1.0 2.0 3.0#





#20
Methylene Chloride
Concen: 0.465 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01

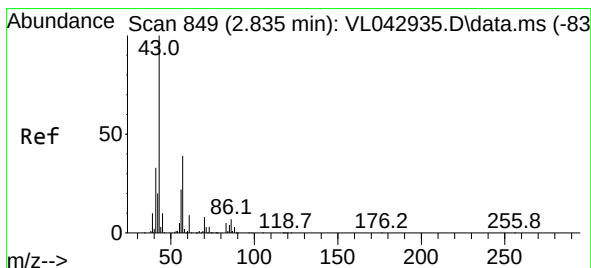
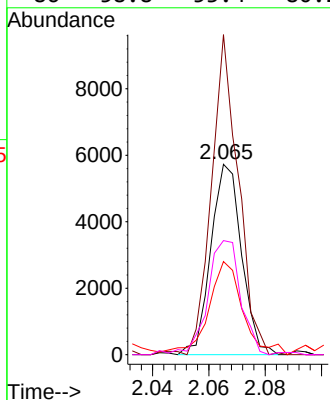
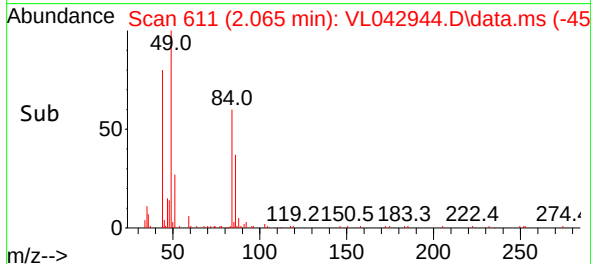
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



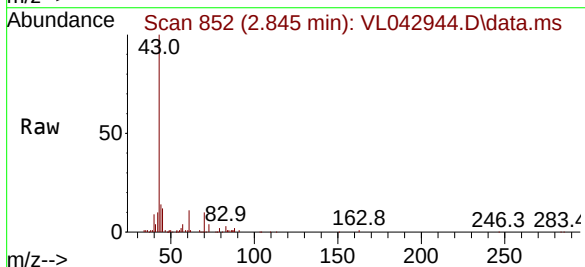
Tgt Ion: 84 Resp: 4339
Ion Ratio Lower Upper
84 100
49 166.5 121.8 182.6
51 43.3 35.6 53.4
86 58.8 53.4 80.2

Manual Integrations
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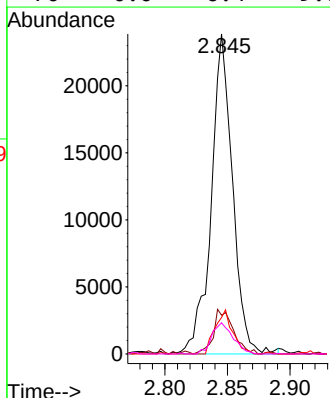
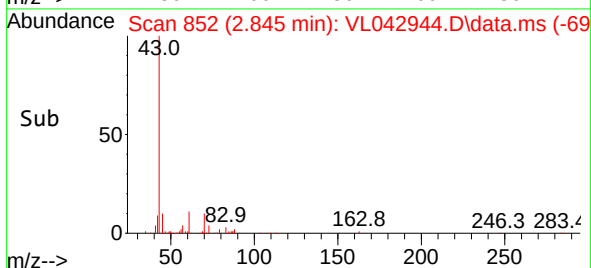
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

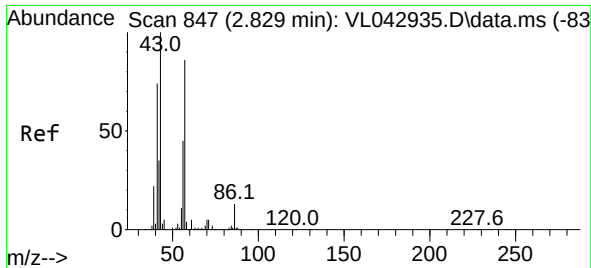


#25
Ethyl Acetate
Concen: 0.621 ppbv m
RT: 2.845 min Scan# 852
Delta R.T. 0.010 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01



Tgt Ion: 43 Resp: 28430
Ion Ratio Lower Upper
43 100
45 0.0 7.8 11.8#
61 0.0 7.2 10.8#
70 0.0 6.4 9.6#





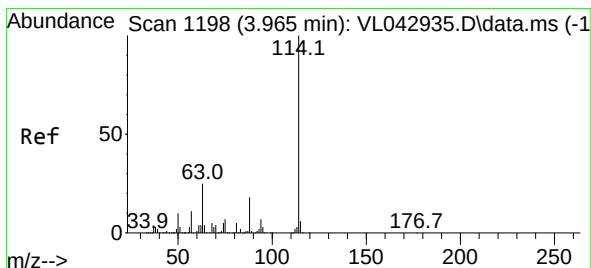
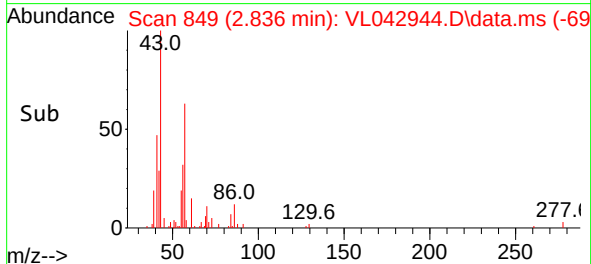
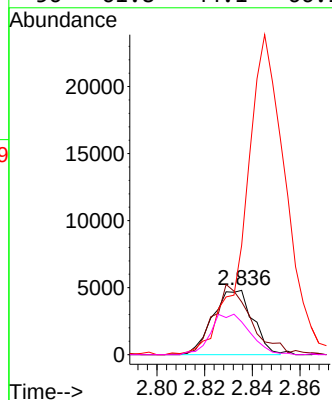
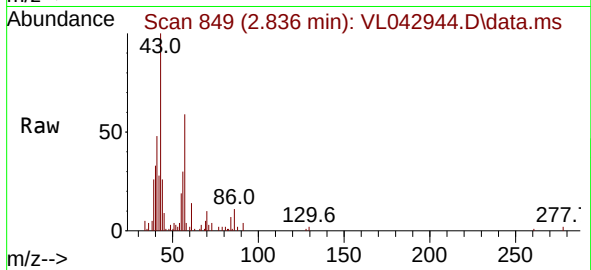
#26
Hexane
Concen: 0.285 ppbv
RT: 2.836 min Scan# 847
Delta R.T. 0.007 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 57 Resp: 558
Ion Ratio Lower Upper
57 100
41 107.0 71.3 106.9
43 517.5 183.9 275.9
56 61.8 44.1 66.1

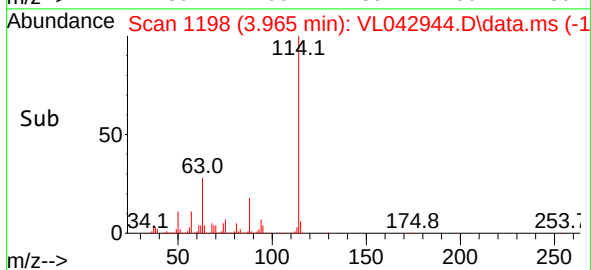
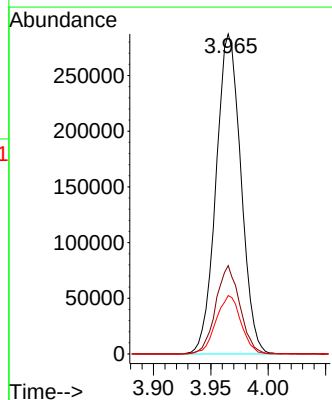
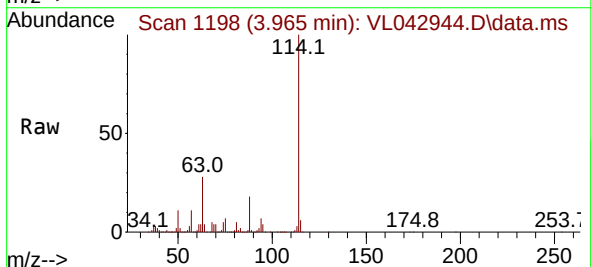
Manual Integrations
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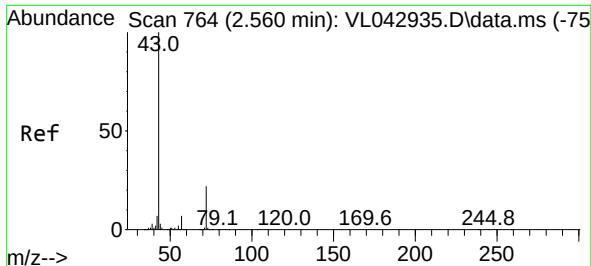
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.000 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01

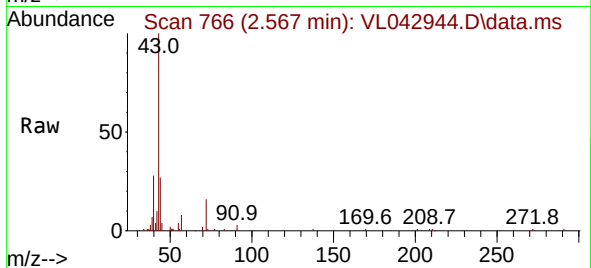
Tgt Ion:114 Resp: 433367
Ion Ratio Lower Upper
114 100
63 26.8 21.1 31.7
88 18.3 14.6 22.0





#34
2-Butanone
Concen: 0.364 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.007 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01

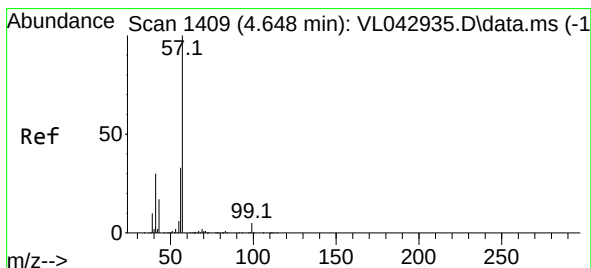
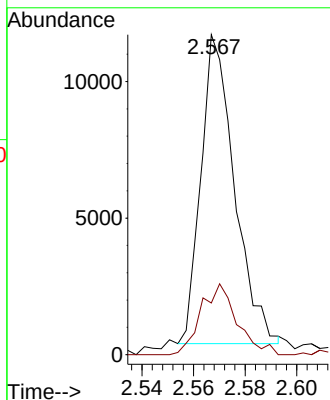
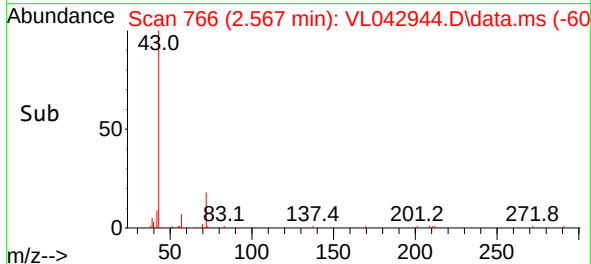
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 43 Resp: 10224
Ion Ratio Lower Upper
43 100
72 24.8 17.2 25.8

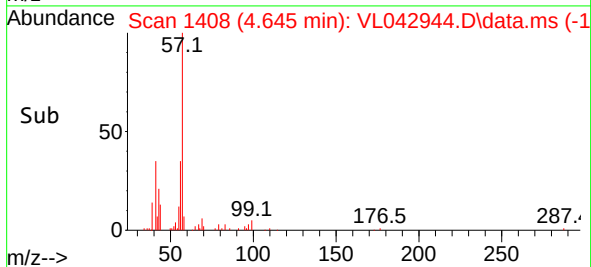
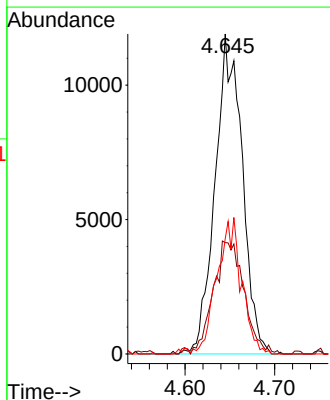
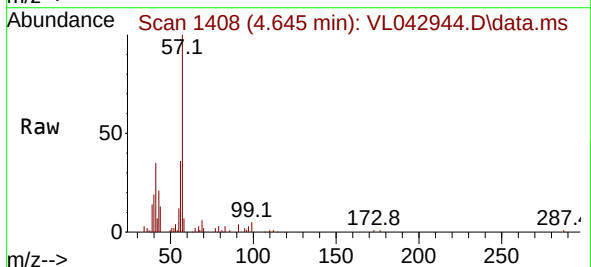
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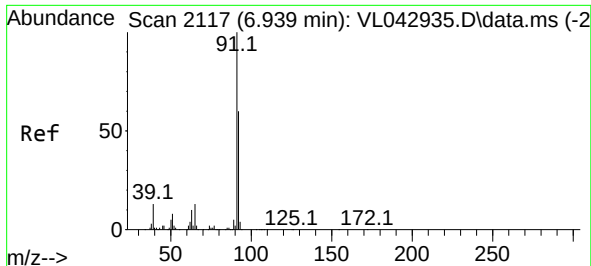
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#44
2,2,4-Trimethylpentane
Concen: 0.396 ppbv m
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01

Tgt Ion: 57 Resp: 24962
Ion Ratio Lower Upper
57 100
41 40.6 25.8 38.6#
56 0.0 26.2 39.4#





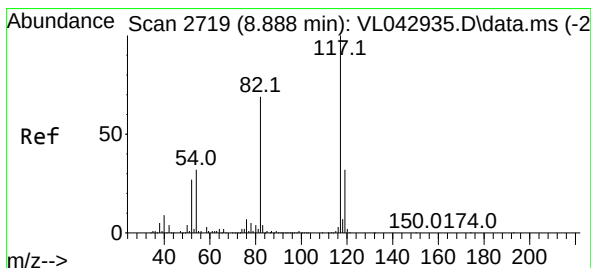
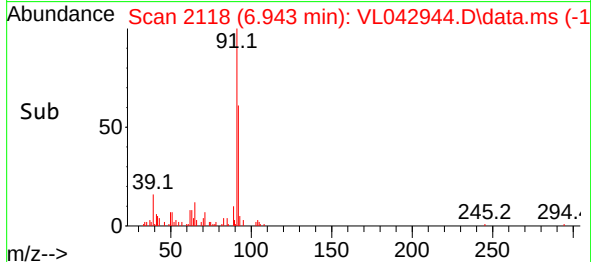
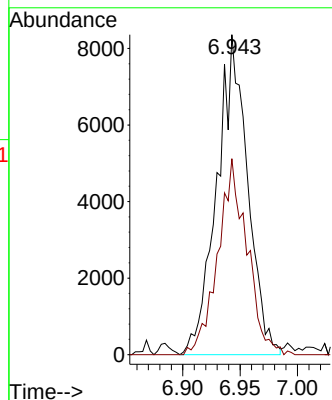
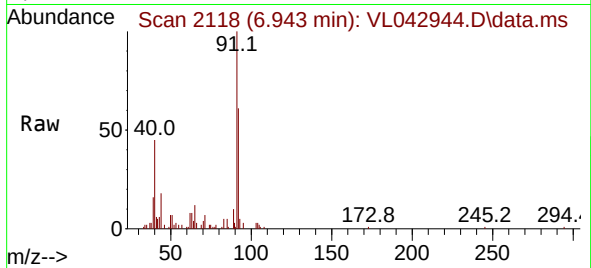
#53
Toluene
Concen: 0.443 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 91 Resp: 1562
Ion Ratio Lower Upper
91 100
92 57.9 47.4 71.2

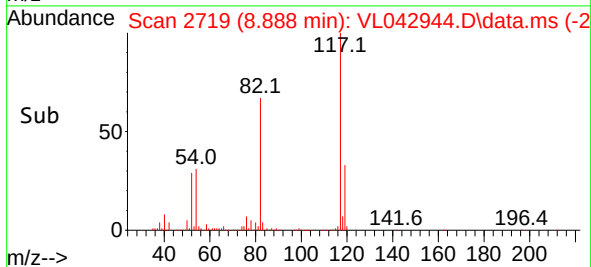
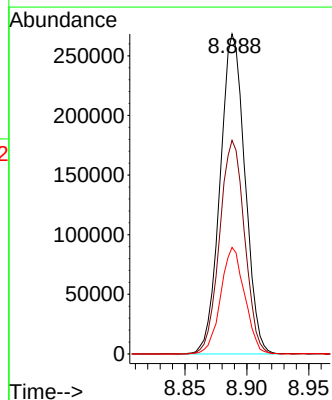
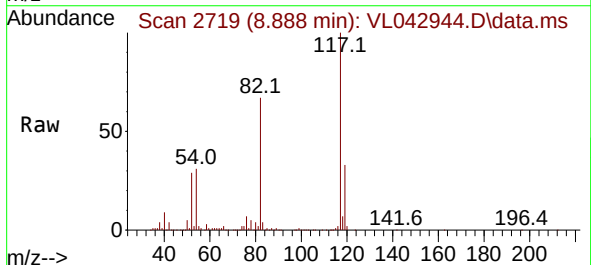
Manual Integrations
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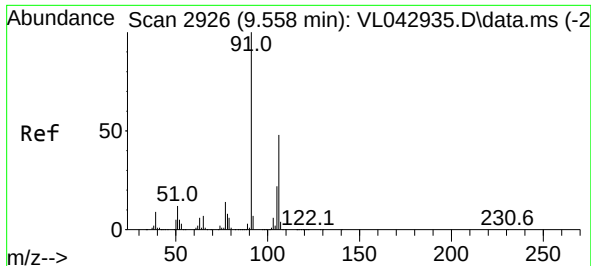
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01

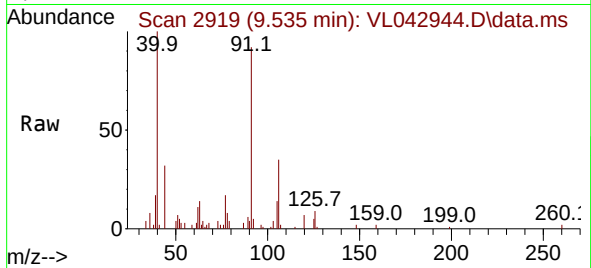
Tgt Ion:117 Resp: 375554
Ion Ratio Lower Upper
117 100
82 67.0 56.1 84.1
119 32.2 25.8 38.8





#59
m/p-Xylene
Concen: 0.228 ppbv m
RT: 9.535 min Scan# 2926
Delta R.T. -0.023 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01

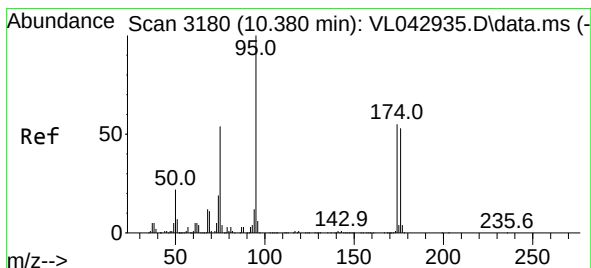
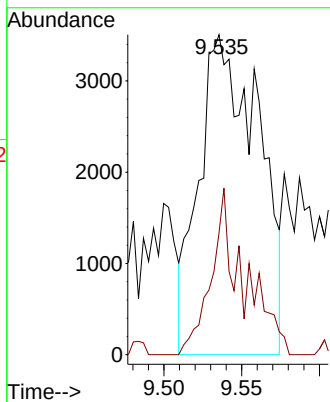
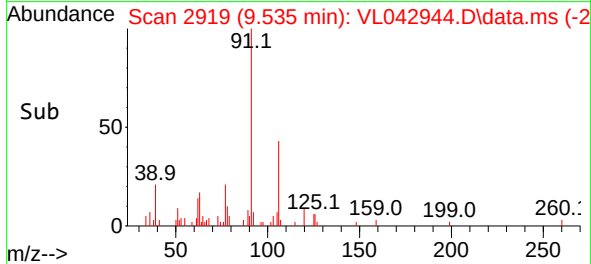
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



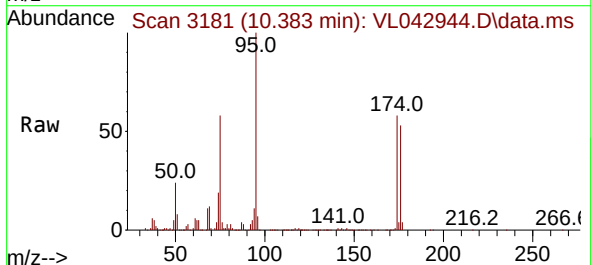
Tgt Ion: 91 Resp: 934
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.0

Manual Integrations
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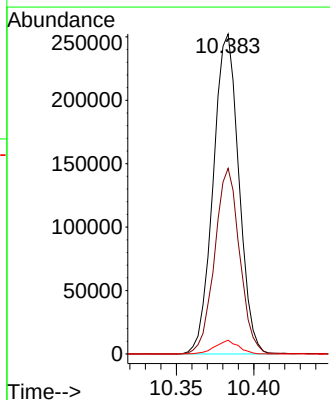
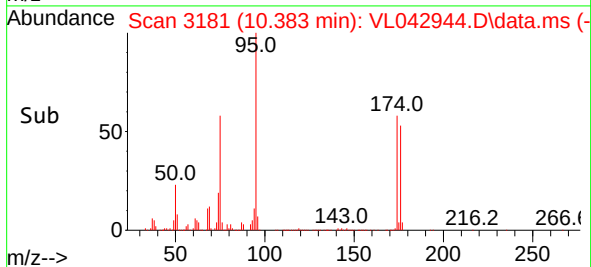
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

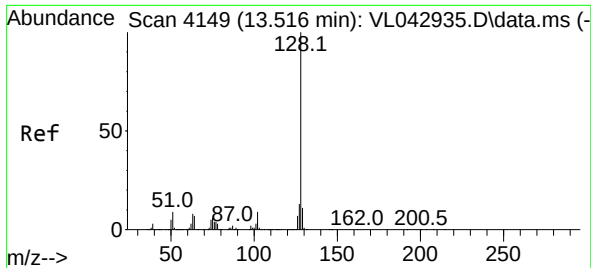


#68
1-Bromo-4-Fluorobenzene
Concen: 9.911 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.003 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01



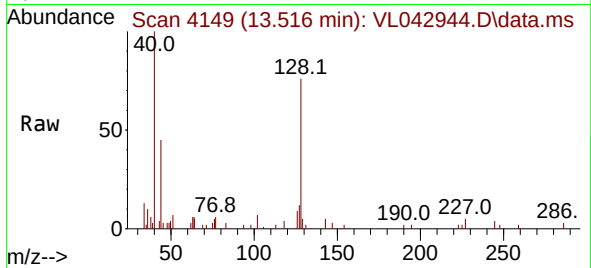
Tgt Ion: 95 Resp: 290943
Ion Ratio Lower Upper
95 100
174 56.5 44.9 67.3
175 3.9 3.3 4.9





#79
Naphthalene
Concen: 0.414 ppbv m
RT: 13.516 min Scan# 4149
Delta R.T. 0.000 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01

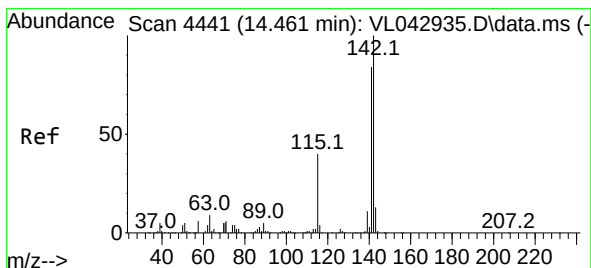
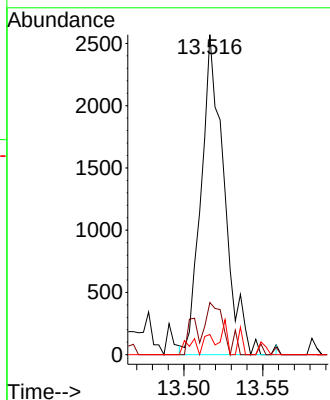
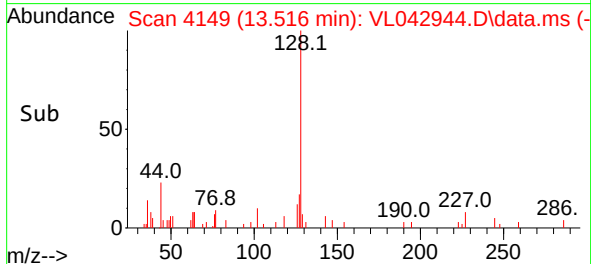
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



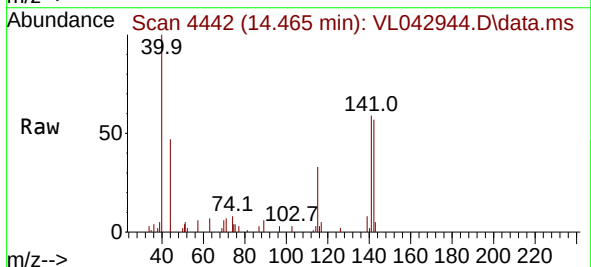
Tgt Ion:128 Resp: 2610
Ion Ratio Lower Upper
128 100
127 16.3 10.3 15.5
129 6.3 8.7 13.1

Manual Integrations
APPROVED

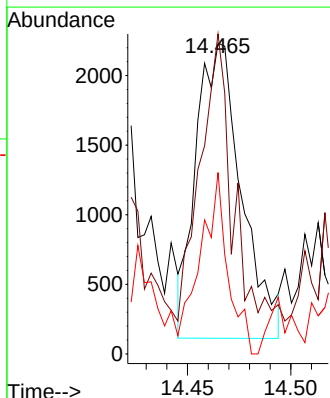
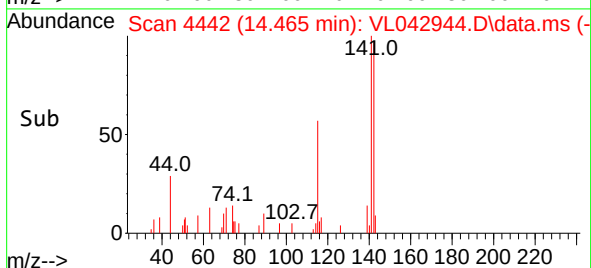
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

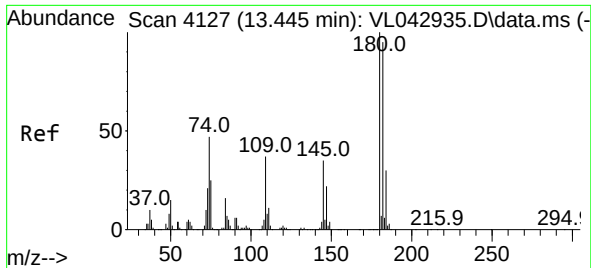


#80
Naphthalene,2-methyl-
Concen: 0.952 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.004 min
Lab File: VL042944.D
Acq: 18 Sep 2025 14:01



Tgt Ion:142 Resp: 3254
Ion Ratio Lower Upper
142 100
141 78.8 67.0 100.6
115 36.9 32.0 48.0





#81

1,2,4-Trichlorobenzene

Concen: 0.478 ppbv m

RT: 13.445 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042944.D

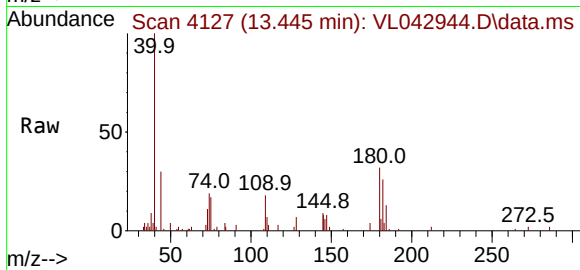
Acq: 18 Sep 2025 14:01

Instrument :

MSVOA_L

ClientSampleId :

IA1DL



Tgt Ion:	180	Resp:	1329
Ion Ratio	Lower	Upper	
180	100		
182	100.3	75.5	113.3
184	29.4	24.6	37.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

