

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070825\
 Data File : VL042711.D
 Acq On : 08 Jul 2025 12:47
 Operator : SY/MD
 Sample : Q2518-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/09/2025
 Supervised By :Mahesh Dadoda 07/09/2025

Quant Time: Jul 09 01:28:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jul 03 01:50:16 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	119983	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	292507	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	280925	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	216619	10.025	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.476	51	3328	0.177	ppbv	99
9) Propene	1.486	41	7385	1.051	ppbv #	78
10) Heptane	4.985	43	8397m	0.440	ppbv	
13) Ethanol	1.725	45	1124m	1.657	ppbv	
15) Acetone	1.839	43	31116	2.615	ppbv #	81
20) Methylene Chloride	2.065	84	2878	0.632	ppbv	96
26) Hexane	2.832	57	30854	2.054	ppbv #	39
27) Carbon Disulfide	2.156	76	8001	0.653	ppbv #	1
29) Chloroform	2.855	83	3582	0.158	ppbv	88
34) 2-Butanone	2.564	43	110851	4.788	ppbv	100
51) 2-Hexanone	7.435	43	18079m	0.917	ppbv	
52) Tetrachloroethene	8.234	164	1290m	0.131	ppbv	
53) Toluene	6.943	91	15231	0.553	ppbv	98
58) Ethyl Benzene	9.364	91	5323	0.131	ppbv	95
59) m/p-Xylene	9.539	91	26791	0.787	ppbv	100
60) o-Xylene	9.969	91	13211	0.395	ppbv	92
72) 4-Ethyltoluene	11.128	105	4431	0.108	ppbv #	49
74) 1,2,4-Trimethylbenzene	11.539	105	11639	0.296	ppbv #	66

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

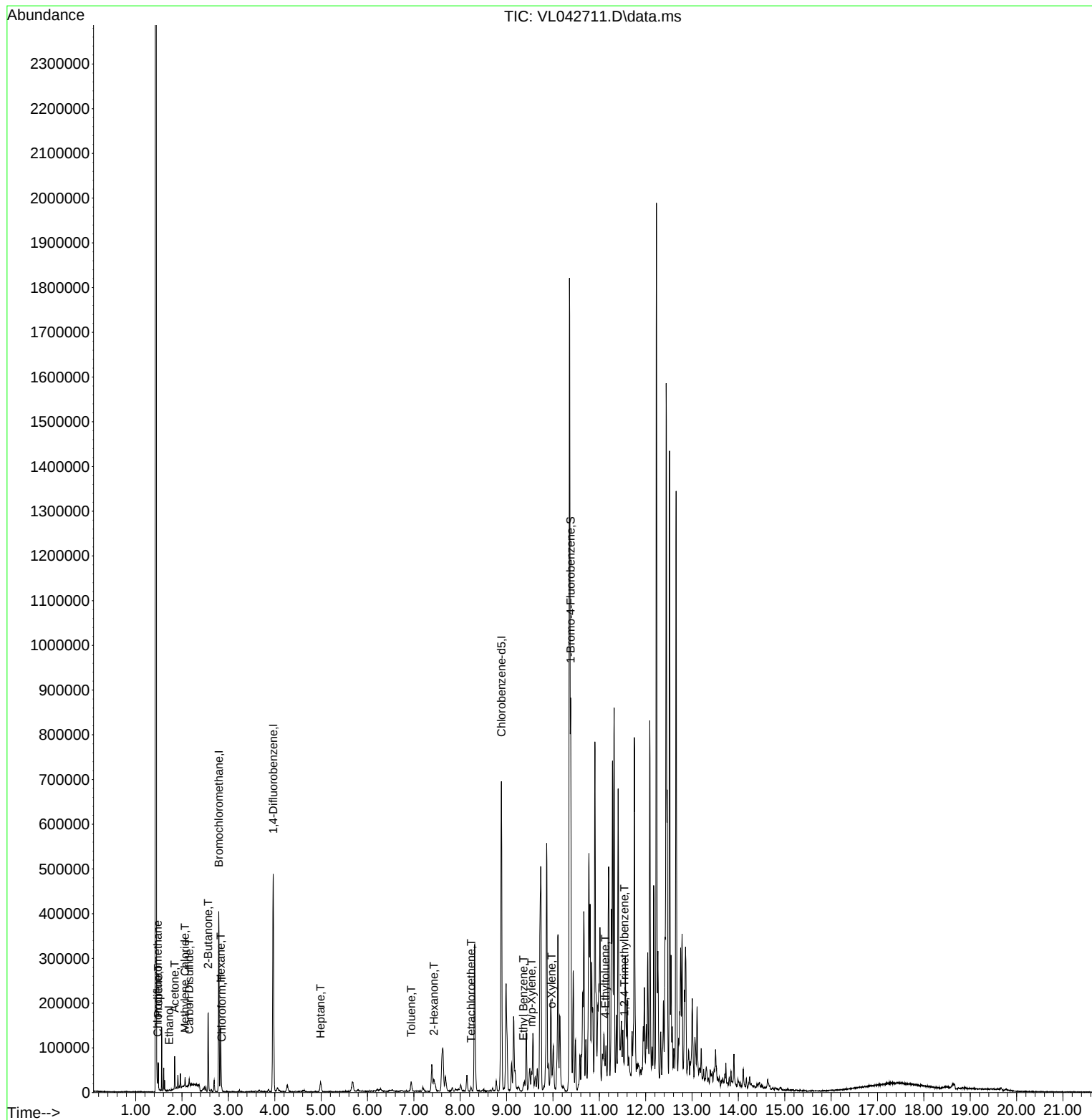
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070825\
Data File : VL042711.D
Acq On : 08 Jul 2025 12:47
Operator : SY/MD
Sample : Q2518-01 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

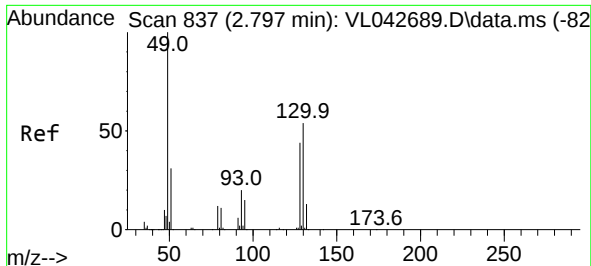
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jul 09 01:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 03 01:50:16 2025
Response via : Initial Calibration

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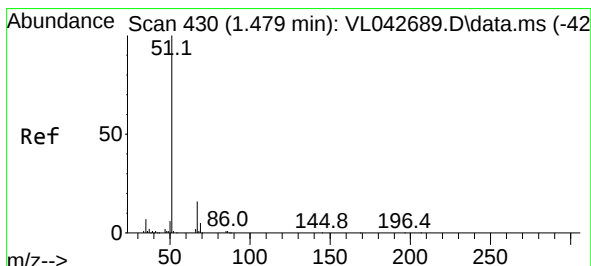
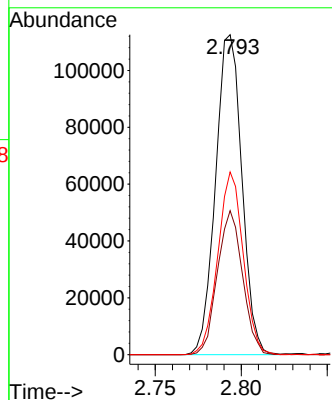
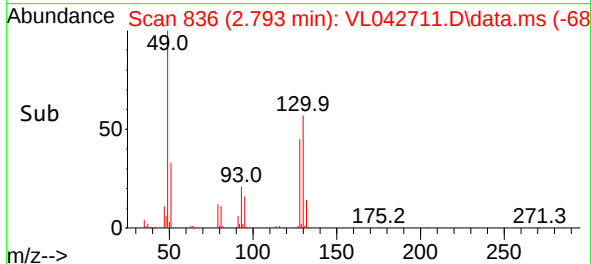
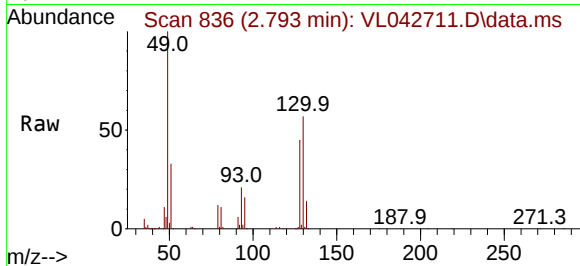
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 11998
Ion Ratio Lower Upper
49 100
128 42.9 21.4 64.2
130 55.1 28.0 84.0

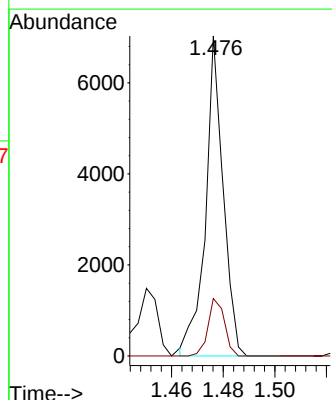
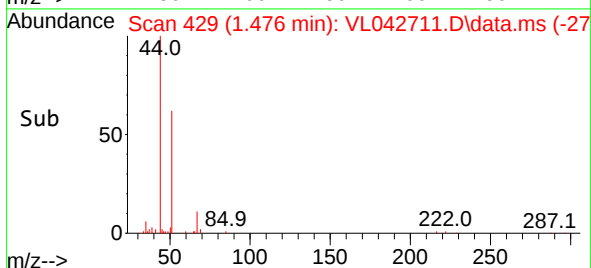
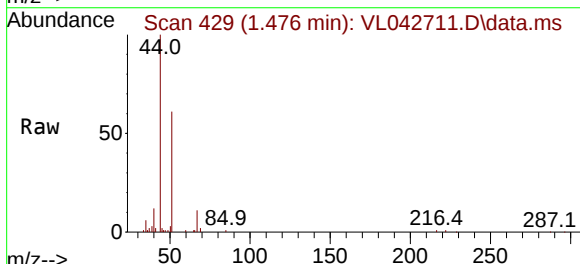
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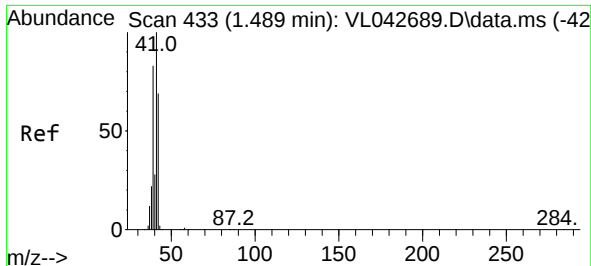
Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025



#3
Chlorodifluoromethane
Concen: 0.177 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion: 51 Resp: 3328
Ion Ratio Lower Upper
51 100
67 16.7 13.1 19.7





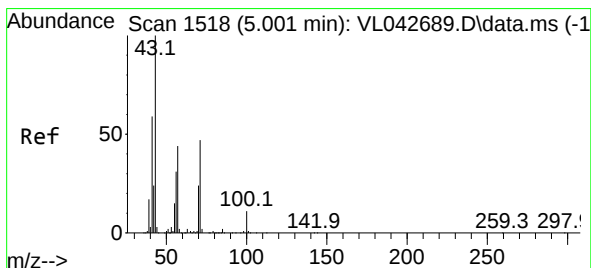
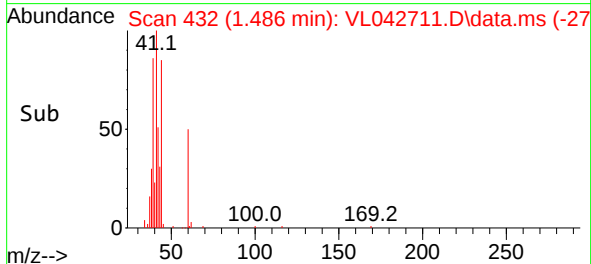
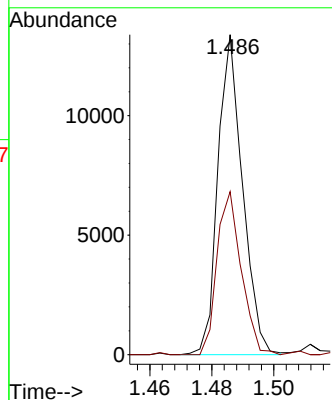
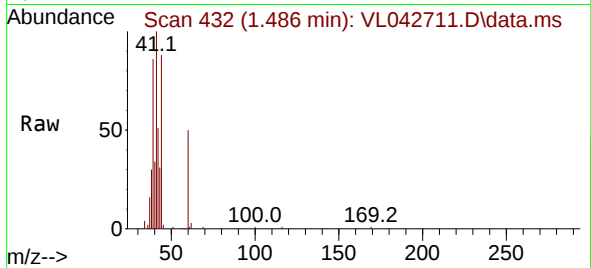
#9
 Propene
 Concen: 1.051 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042711.D
 Acq: 08 Jul 2025 12:47

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Tgt Ion: 41 Resp: 738
 Ion Ratio Lower Upper
 41 100
 42 51.9 55.6 83.4

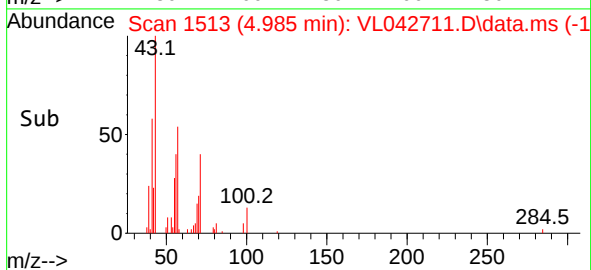
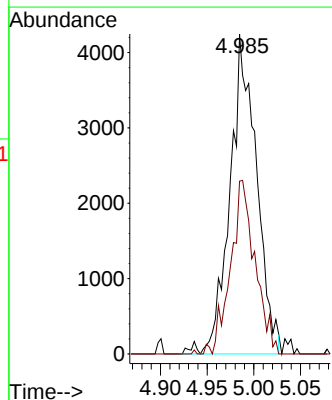
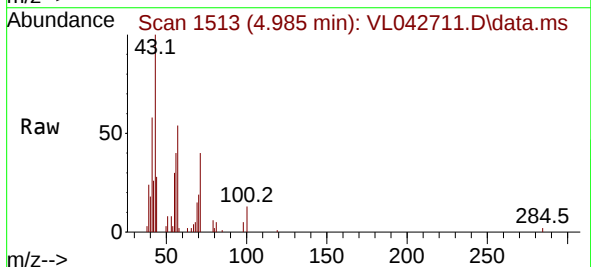
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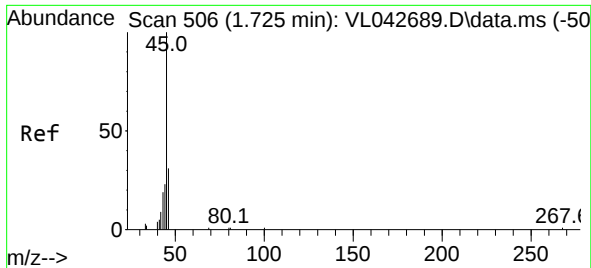
Reviewed By :Semsettin Yesilyurt 07/09/2025
 Supervised By :Mahesh Dadoda 07/09/2025



#10
 Heptane
 Concen: 0.440 ppbv m
 RT: 4.985 min Scan# 1513
 Delta R.T. -0.016 min
 Lab File: VL042711.D
 Acq: 08 Jul 2025 12:47

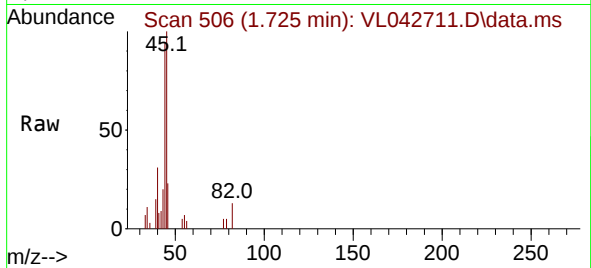
Tgt Ion: 43 Resp: 8397
 Ion Ratio Lower Upper
 43 100
 57 0.0 37.4 56.0





#13
Ethanol
Concen: 1.657 ppbv m
RT: 1.725 min Scan# 506
Delta R.T. -0.000 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

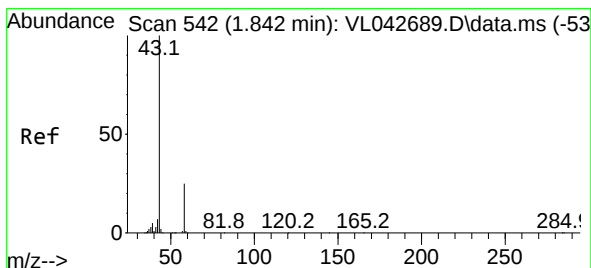
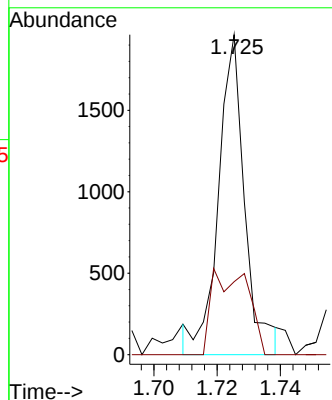
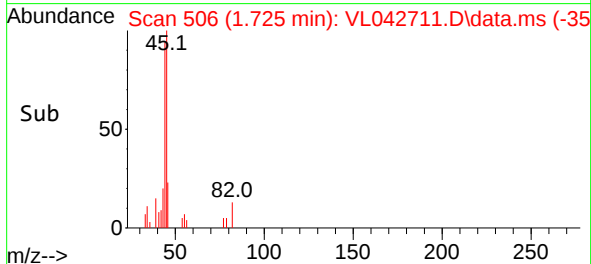
Instrument :
MSVOA_L
ClientSampleId :
SV1



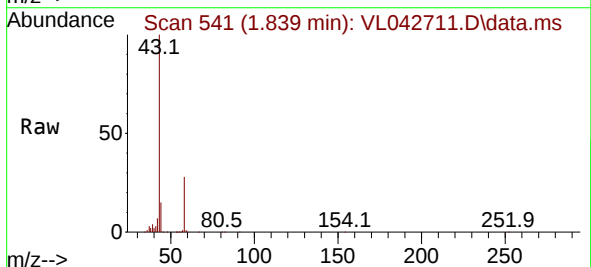
Tgt Ion: 45 Resp: 1124
Ion Ratio Lower Upper
45 100
46 0.0 15.2 60.8

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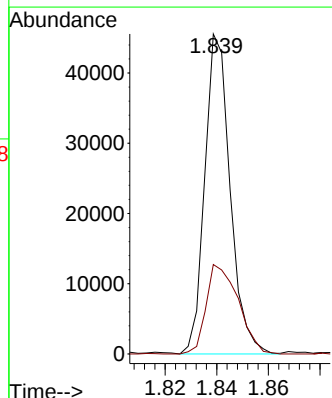
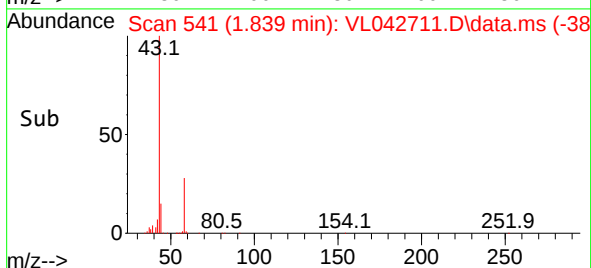
Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025

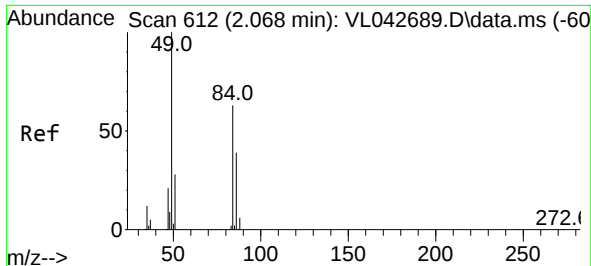


#15
Acetone
Concen: 2.615 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47



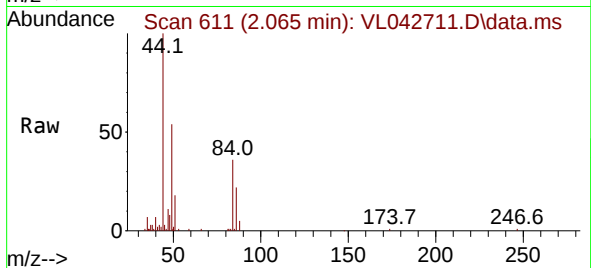
Tgt Ion: 43 Resp: 31116
Ion Ratio Lower Upper
43 100
58 35.4 20.6 31.0





#20
Methylene Chloride
Concen: 0.632 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

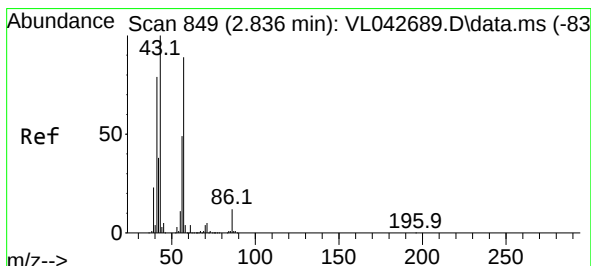
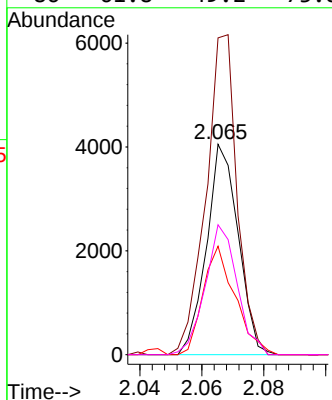
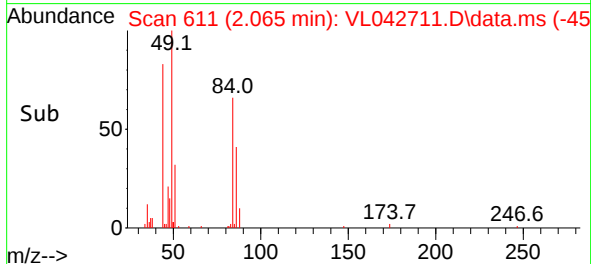
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 2878
Ion Ratio Lower Upper
84 100
49 154.7 128.6 193.0
51 51.5 37.4 56.2
86 61.8 49.2 73.8

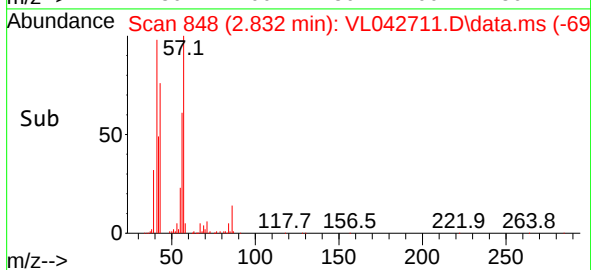
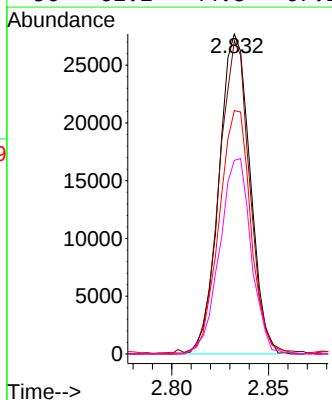
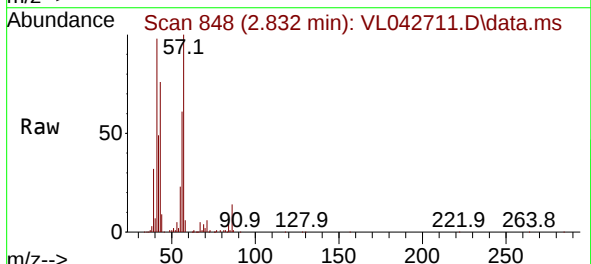
Manual Integrations
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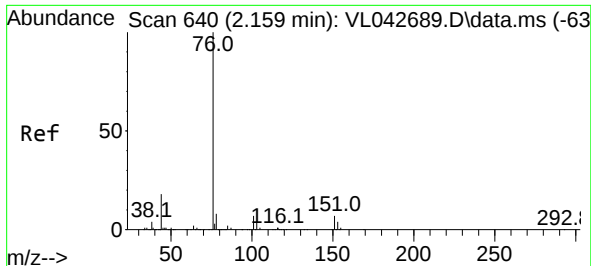
Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025



#26
Hexane
Concen: 2.054 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.003 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion: 57 Resp: 30854
Ion Ratio Lower Upper
57 100
41 97.6 73.7 110.5
43 78.1 190.6 285.8#
56 62.2 44.8 67.2





#27

Carbon Disulfide

Concen: 0.653 ppbv

RT: 2.156 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

SV1

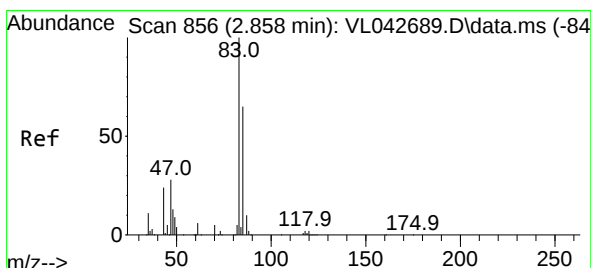
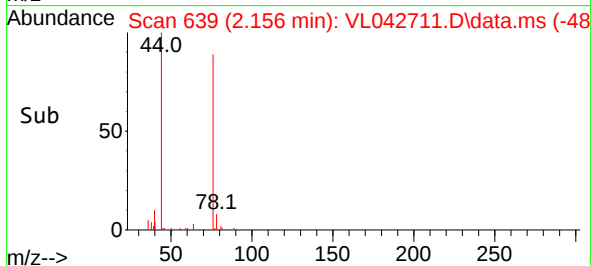
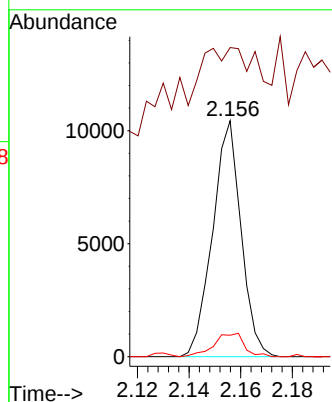
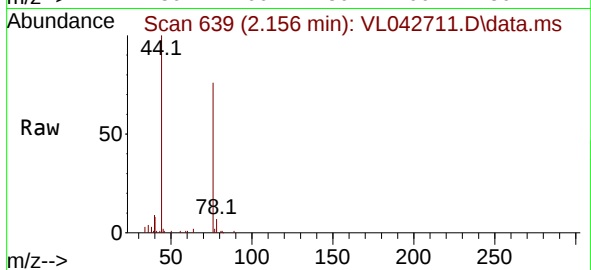
Tgt Ion: 76 Resp: 800

Ion	Ratio	Lower	Upper
76	100		
44	730.6	15.6	23.4
78	11.8	9.2	13.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025



#29

Chloroform

Concen: 0.158 ppbv

RT: 2.855 min Scan# 855

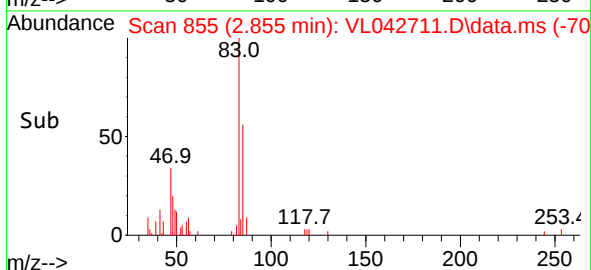
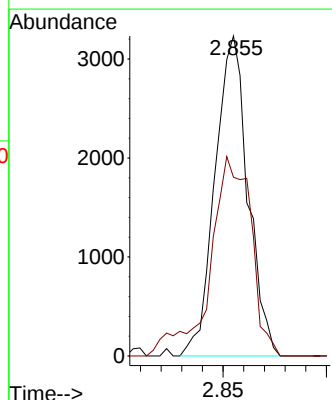
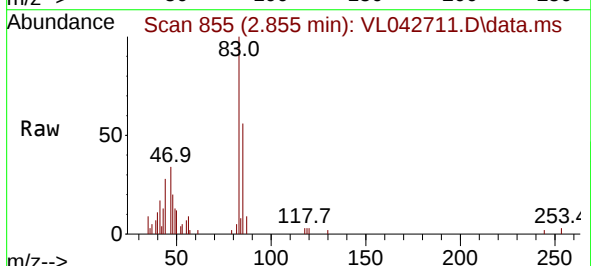
Delta R.T. -0.003 min

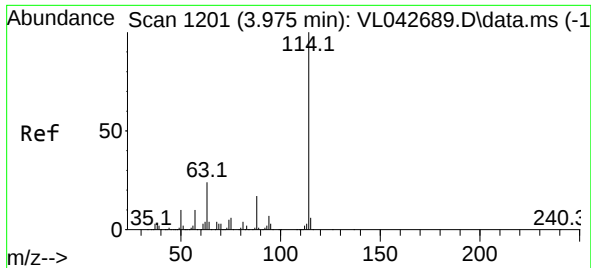
Lab File: VL042711.D

Acq: 08 Jul 2025 12:47

Tgt Ion: 83 Resp: 3582

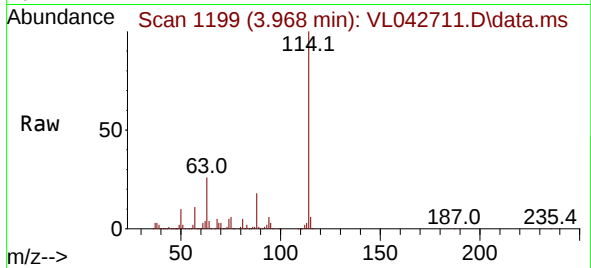
Ion	Ratio	Lower	Upper
83	100		
85	55.9	52.4	78.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.007 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

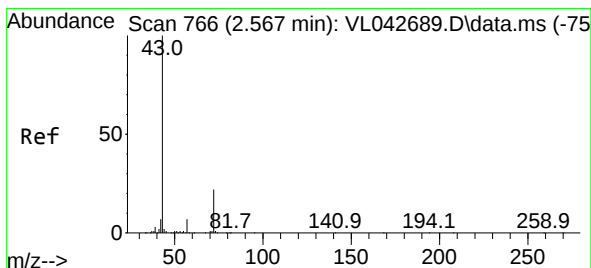
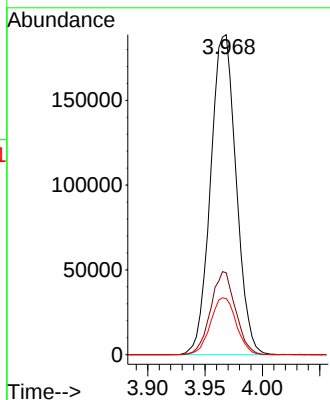
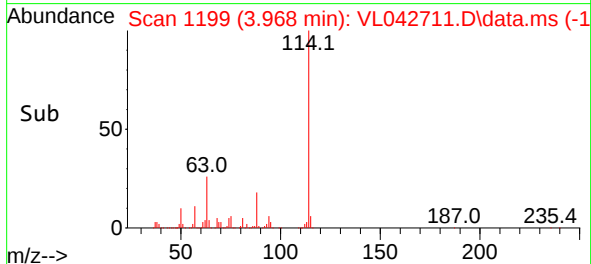
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:114 Resp: 29250
Ion Ratio Lower Upper
114 100
63 25.2 20.4 30.6
88 18.0 14.2 21.2

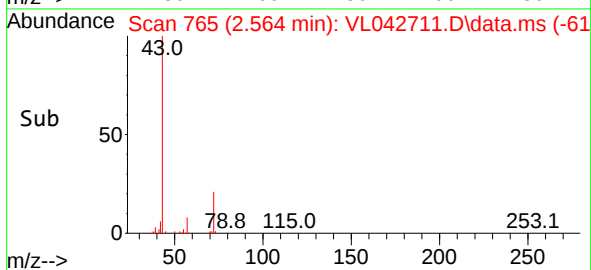
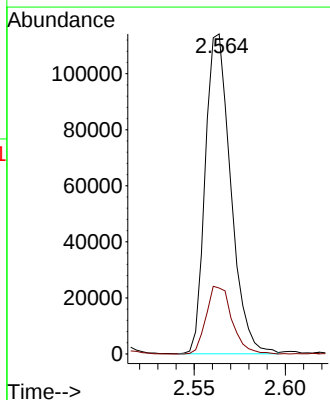
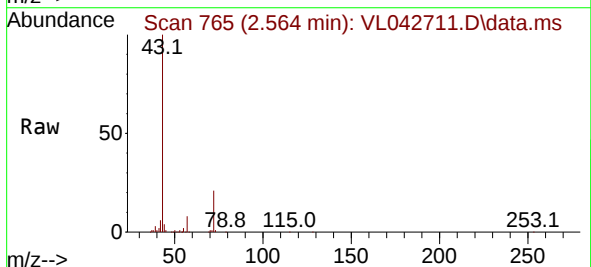
Manual Integrations
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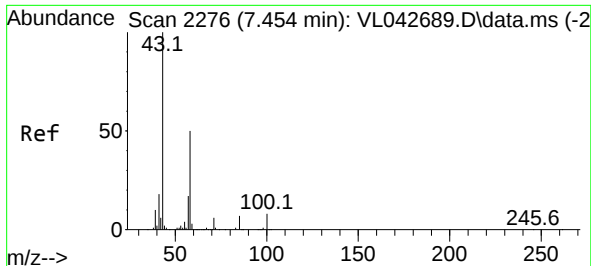
Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025



#34
2-Butanone
Concen: 4.788 ppbv
RT: 2.564 min Scan# 765
Delta R.T. -0.003 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

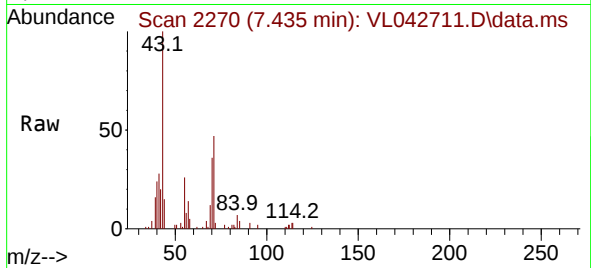
Tgt Ion: 43 Resp: 110851
Ion Ratio Lower Upper
43 100
72 21.4 17.1 25.7





#51
2-Hexanone
Concen: 0.917 ppbv m
RT: 7.435 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

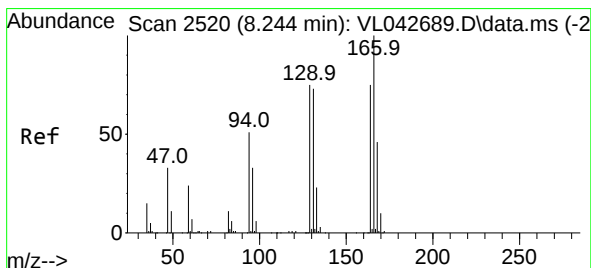
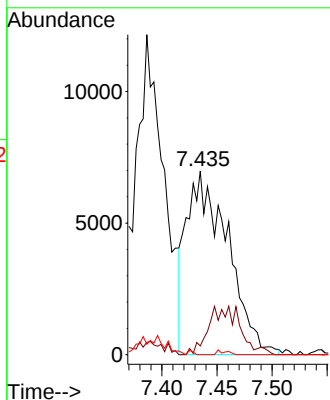
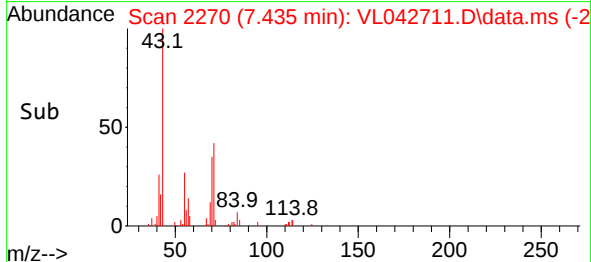
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 18079
Ion Ratio Lower Upper
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58 0.0 38.6 57.8
98 0.0 0.6 1.0

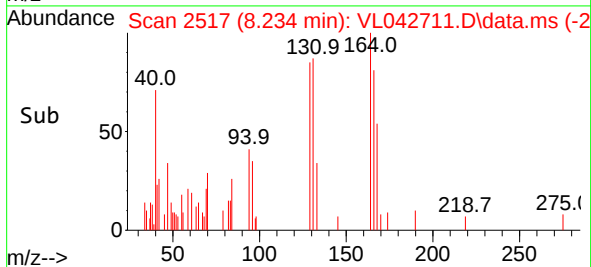
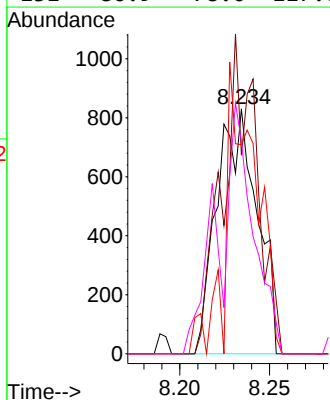
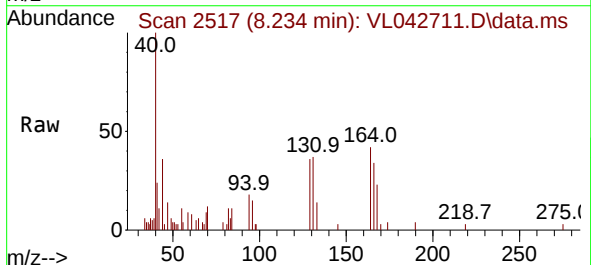
Manual Integrations
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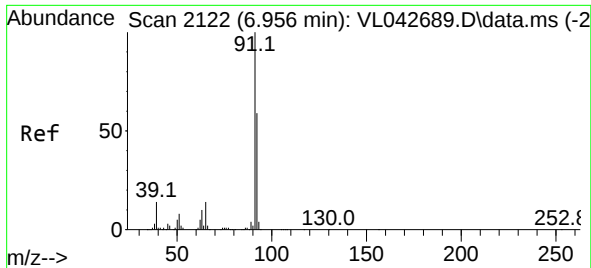
Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025



#52
Tetrachloroethene
Concen: 0.131 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. -0.010 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion:164 Resp: 1290
Ion Ratio Lower Upper
164 100
166 81.1 106.6 160.0#
129 85.4 79.8 119.6
131 86.9 78.0 117.0





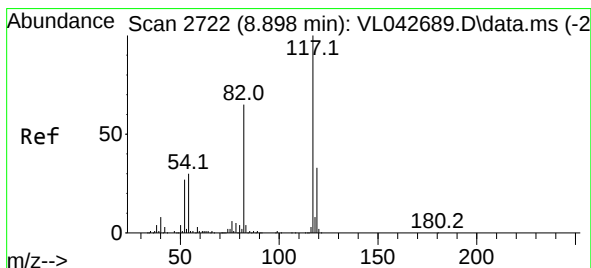
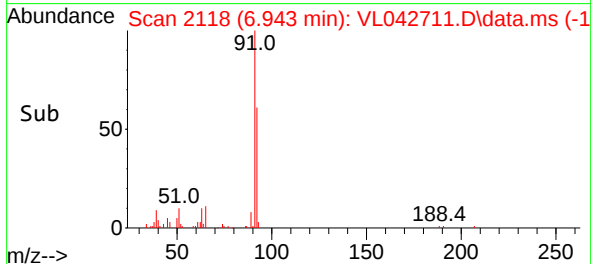
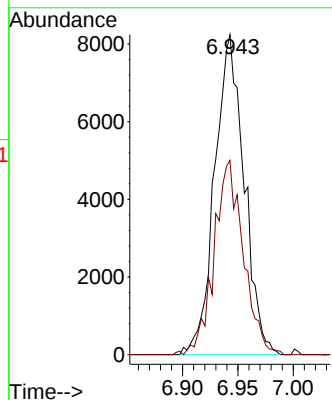
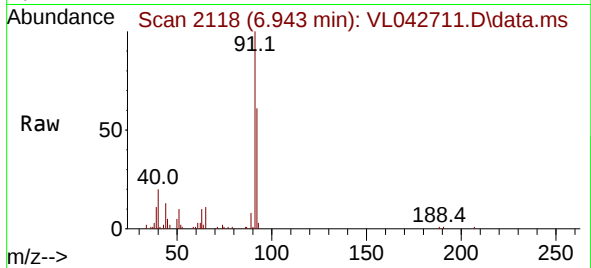
#53
Toluene
Concen: 0.553 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. -0.013 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 1523
Ion Ratio Lower Upper
91 100
92 60.5 47.4 71.2

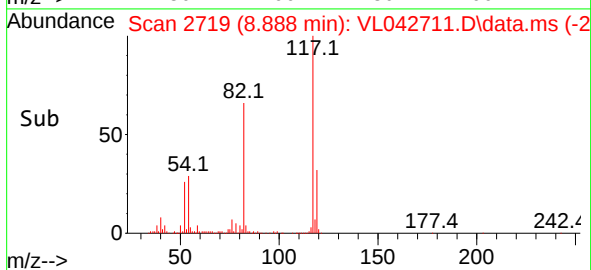
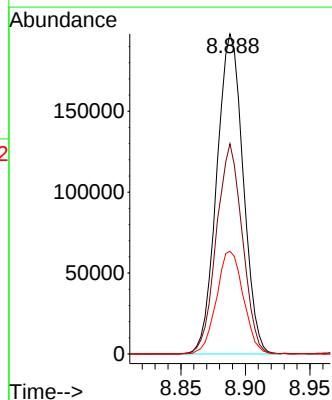
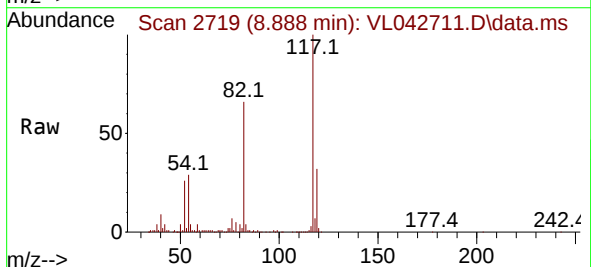
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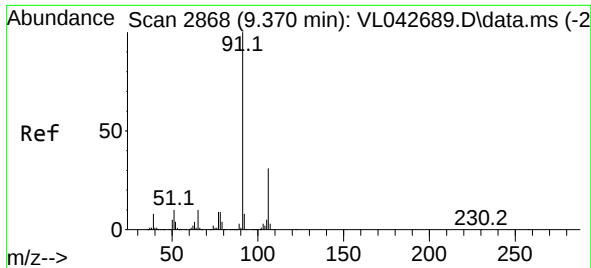
Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. -0.010 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Tgt Ion:117 Resp: 280925
Ion Ratio Lower Upper
117 100
82 64.8 53.4 80.2
119 32.8 26.6 39.8





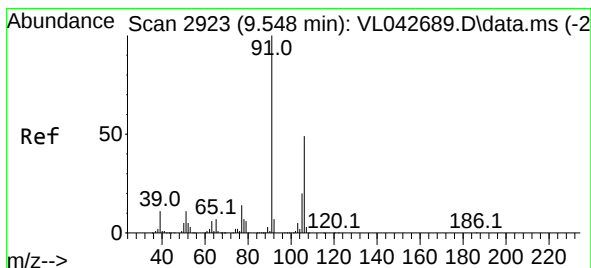
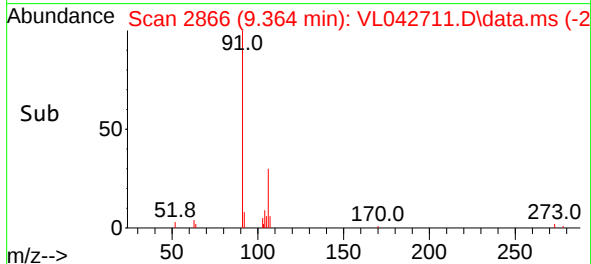
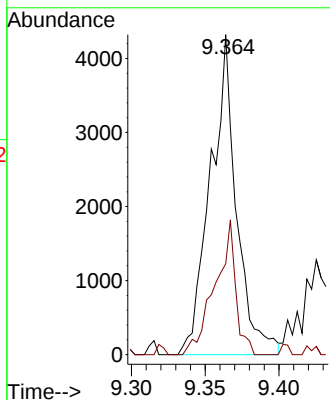
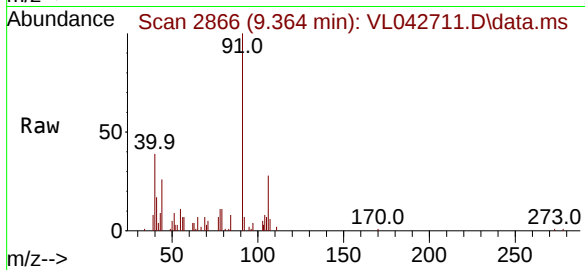
#58
Ethyl Benzene
Concen: 0.131 ppbv
RT: 9.364 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 532
Ion Ratio Lower Upper
91 100
106 28.4 24.9 37.3

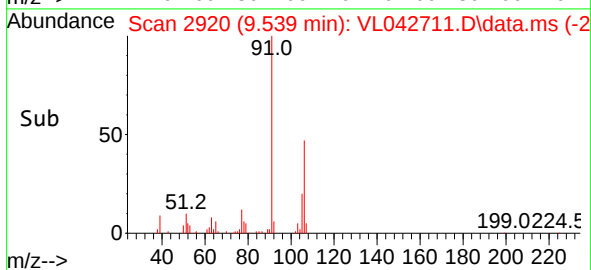
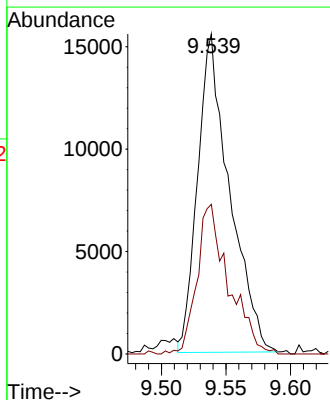
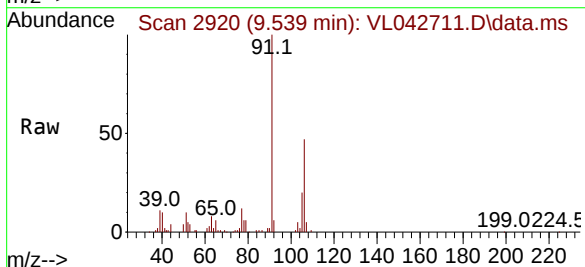
Manual Integrations
APPROVED

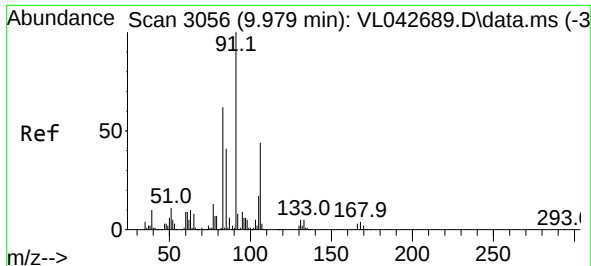
Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025



#59
m/p-Xylene
Concen: 0.787 ppbv
RT: 9.539 min Scan# 2920
Delta R.T. -0.010 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

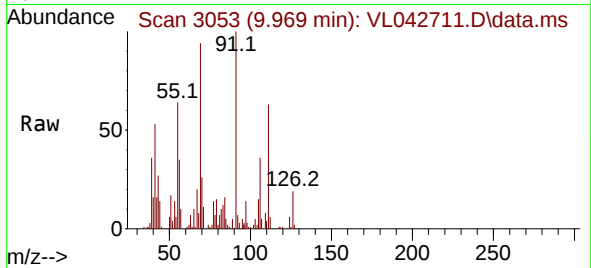
Tgt Ion: 91 Resp: 26791
Ion Ratio Lower Upper
91 100
106 46.7 37.6 56.4





#60
o-Xylene
Concen: 0.395 ppbv
RT: 9.969 min Scan# 3056
Delta R.T. -0.010 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

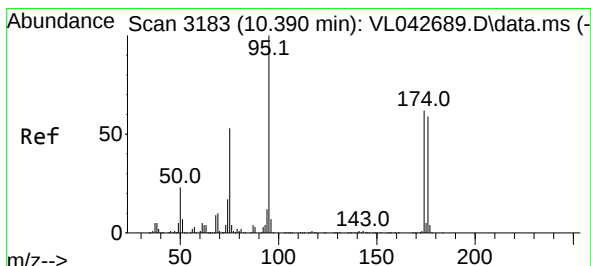
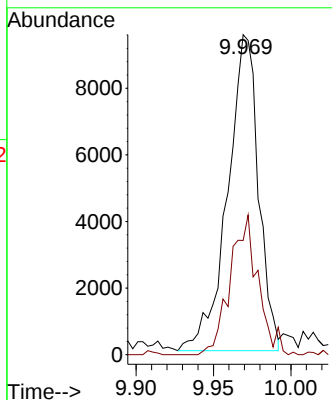
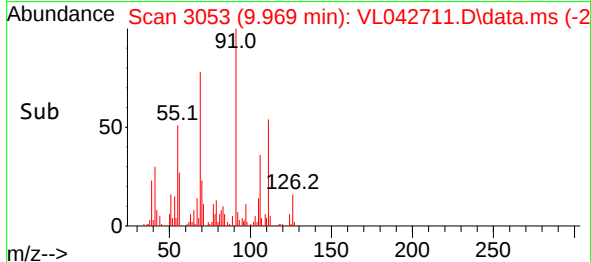
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 1321
Ion Ratio Lower Upper
91 100
106 40.4 22.8 68.4

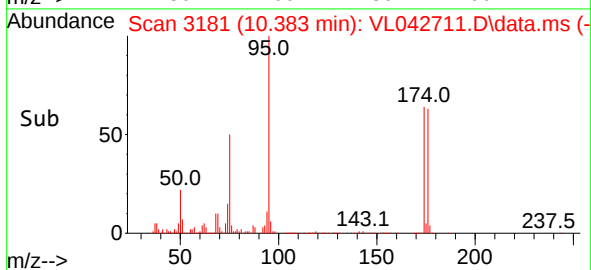
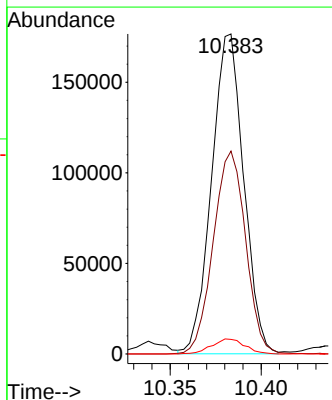
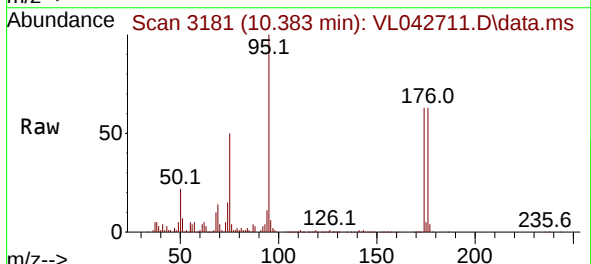
Manual Integrations
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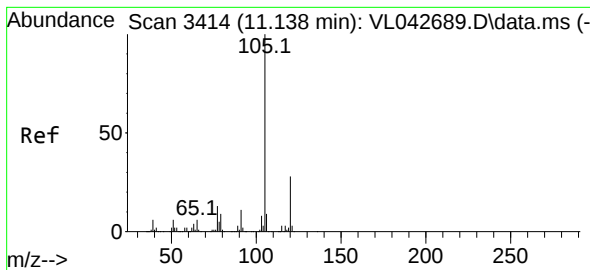
Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.025 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. -0.007 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

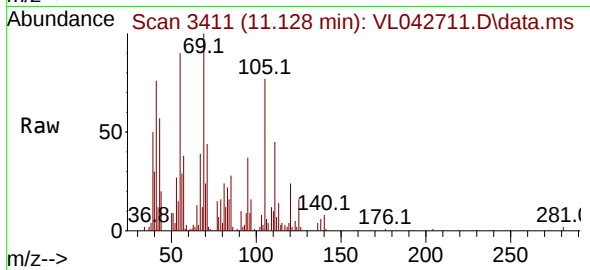
Tgt Ion: 95 Resp: 216619
Ion Ratio Lower Upper
95 100
174 64.1 51.2 76.8
175 4.9 3.8 5.8





#72
4-Ethyltoluene
Concen: 0.108 ppbv
RT: 11.128 min Scan# 3414
Delta R.T. -0.010 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47

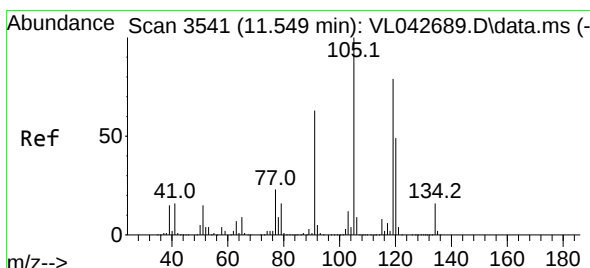
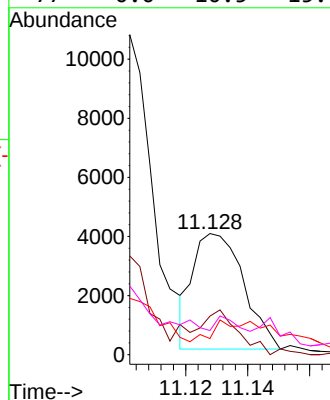
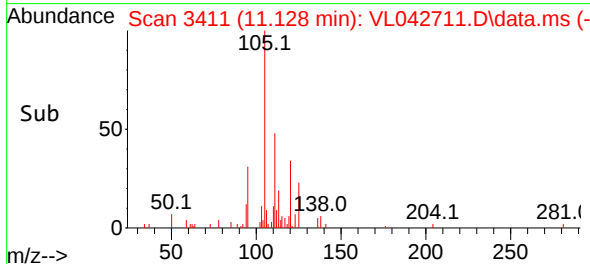
Instrument :
MSVOA_L
ClientSampleId :
SV1



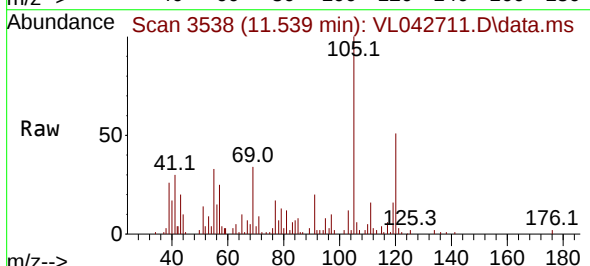
Tgt Ion:105 Resp: 4431
Ion Ratio Lower Upper
105 100
120 0.0 23.8 35.6
91 36.3 9.7 14.5
77 0.0 10.5 15.7#

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/09/2025
Supervised By :Mahesh Dadoda 07/09/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.296 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.010 min
Lab File: VL042711.D
Acq: 08 Jul 2025 12:47



Tgt Ion:105 Resp: 11639
Ion Ratio Lower Upper
105 100
120 51.2 39.6 59.4
91 14.9 51.0 76.6#
77 12.5 18.7 28.1#

