

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
 Data File : VL043301.D
 Acq On : 02 Dec 2025 16:30
 Operator : SY/MD
 Sample : Q3744-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Quant Time: Dec 03 00:08:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/03/2025
 Supervised By : Mahesh Dadoda 12/03/2025

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

Internal Standards						
1) Bromochloromethane	2.800	49	131676	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.975	114	327278	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.895	117	263808	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	203235	10.510	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 105.100%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.506	85	2782	0.150	ppbv #	77
9) Propene	1.493	41	4151	0.535	ppbv #	1
13) Ethanol	1.729	45	4454	1.633	ppbv #	38
15) Acetone	1.842	43	47857	2.616	ppbv	97
26) Hexane	2.839	57	14297	0.826	ppbv #	40
29) Chloroform	2.862	83	10974	0.446	ppbv	89
34) 2-Butanone	2.574	43	6227	0.270	ppbv	94
36) Benzene	3.677	78	3904m	0.125	ppbv	
52) Tetrachloroethene	8.241	164	4675m	0.401	ppbv	
53) Toluene	6.956	91	23155	0.624	ppbv	100
58) Ethyl Benzene	9.371	91	7201m	0.142	ppbv	
59) m/p-Xylene	9.545	91	19429m	0.477	ppbv	
60) o-Xylene	9.976	91	10322m	0.254	ppbv	

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

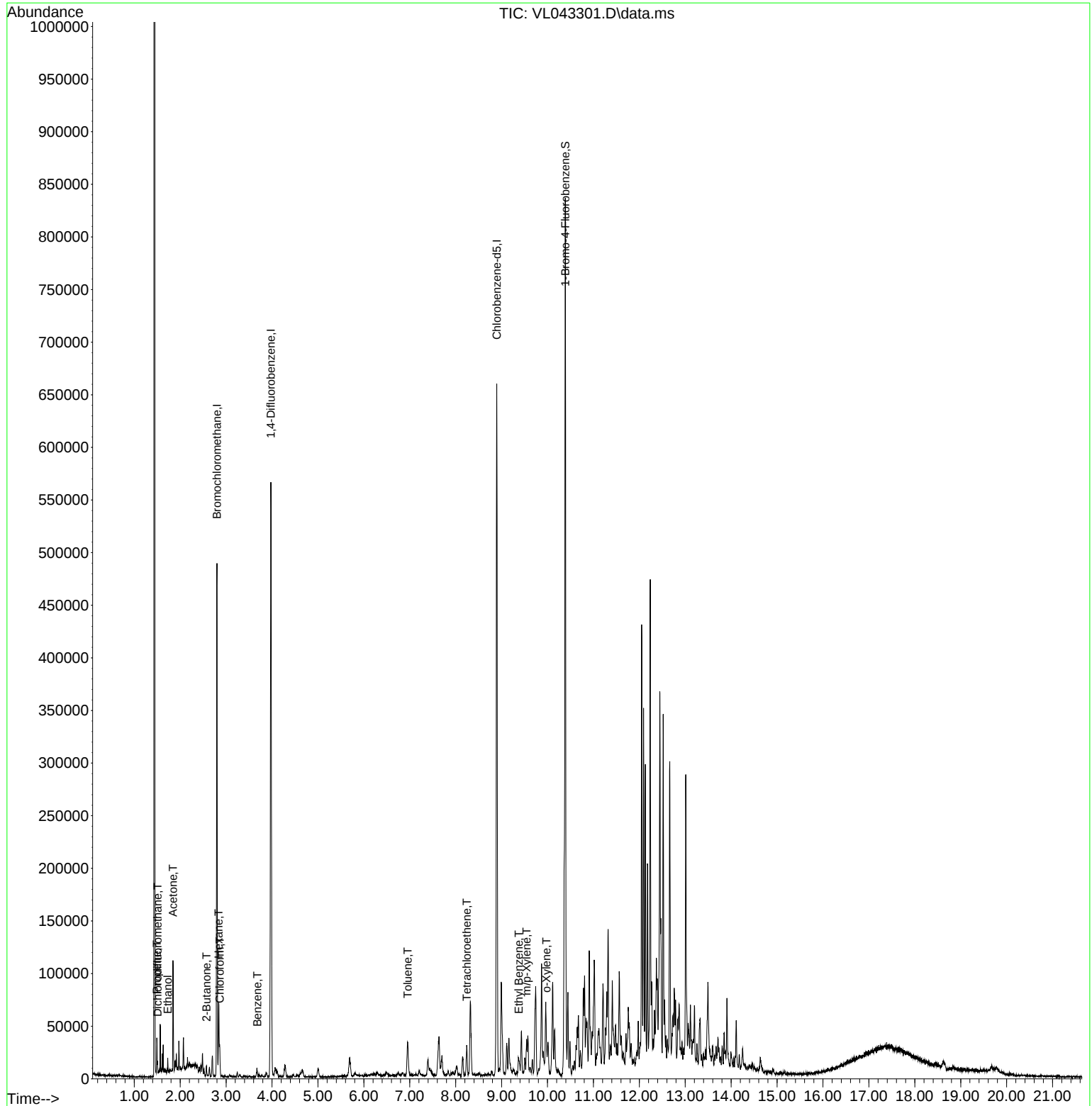
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
Data File : VL043301.D
Acq On : 02 Dec 2025 16:30
Operator : SY/MD
Sample : Q3744-03 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

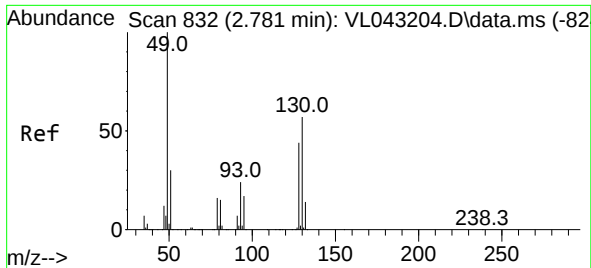
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Dec 03 00:08:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Manual Integrations
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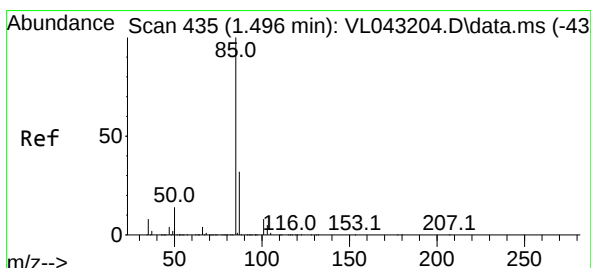
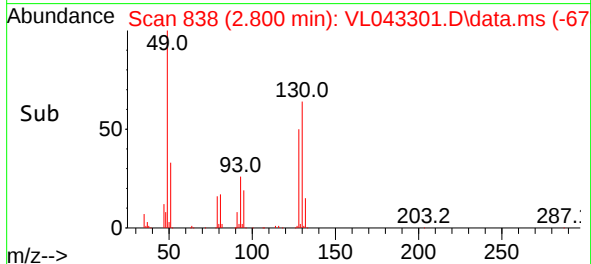
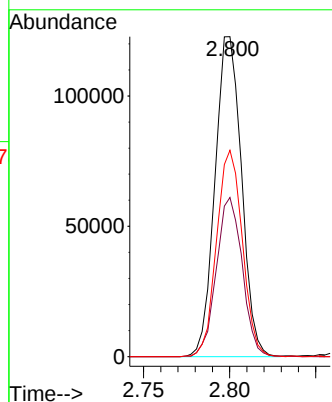
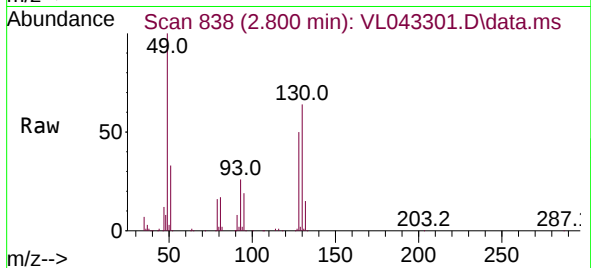
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 832
Delta R.T. 0.019 min
Lab File: VL043301.D
Acq: 02 Dec 2025 16:30

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 49 Resp: 131676
Ion Ratio Lower Upper
49 100
128 48.6 23.0 69.0
130 62.6 29.9 89.7

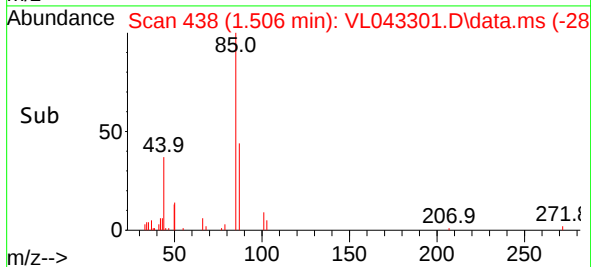
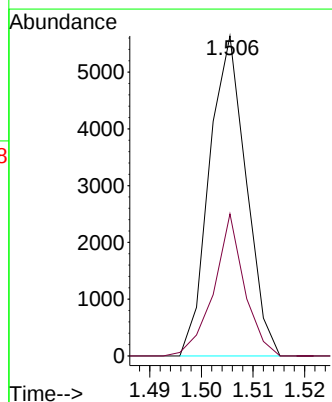
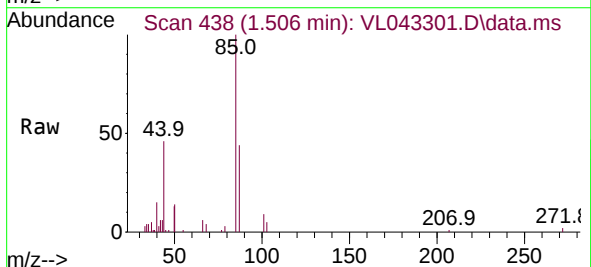
Manual Integrations
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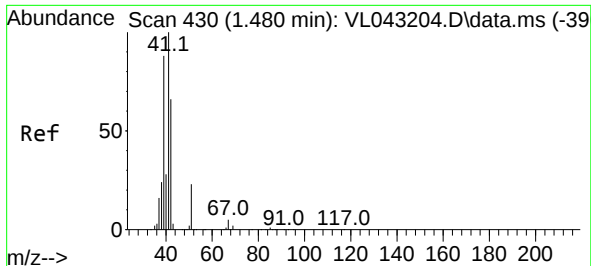
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Supervised By :Mahesh Dadoda 12/03/2025



#2
Dichlorodifluoromethane
Concen: 0.150 ppbv
RT: 1.506 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL043301.D
Acq: 02 Dec 2025 16:30

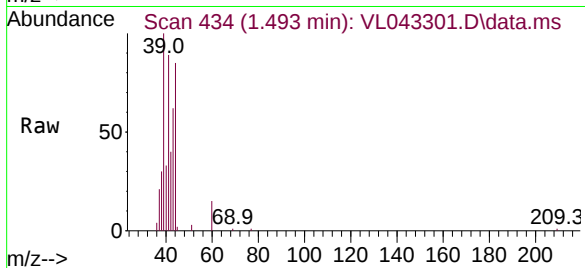
Tgt Ion: 85 Resp: 2782
Ion Ratio Lower Upper
85 100
87 44.4 25.4 38.2#





#9
 Propene
 Concen: 0.535 ppbv
 RT: 1.493 min Scan# 431
 Delta R.T. 0.013 min
 Lab File: VL043301.D
 Acq: 02 Dec 2025 16:30

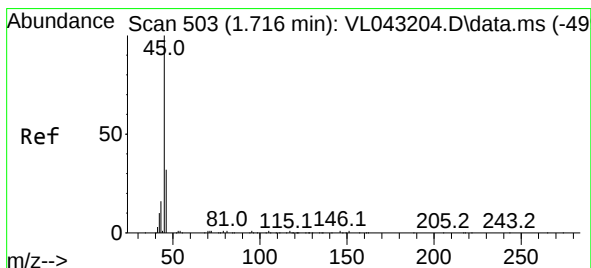
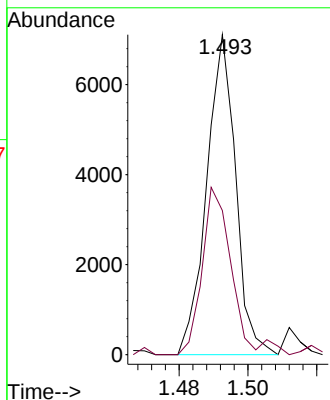
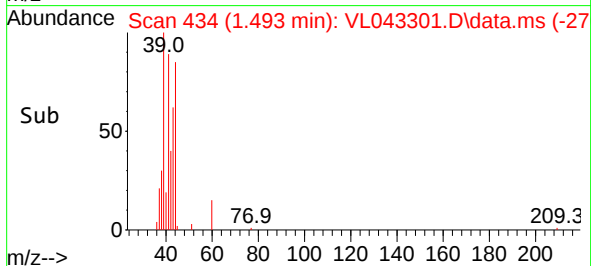
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



Tgt Ion: 41 Resp: 415
 Ion Ratio Lower Upper
 41 100
 42 53.9 3.7 5.5

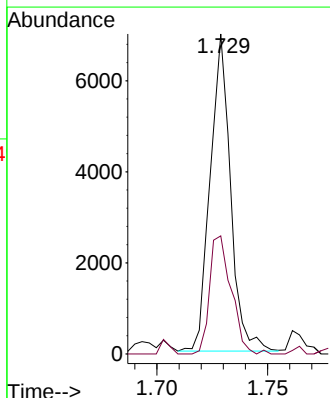
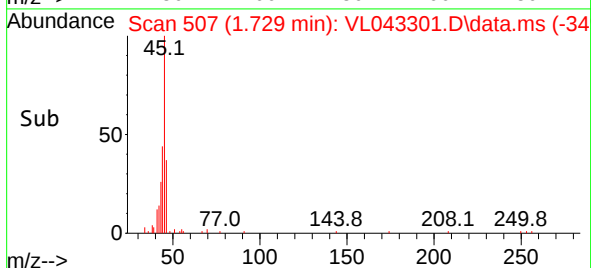
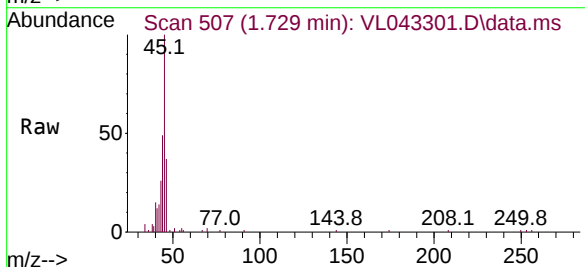
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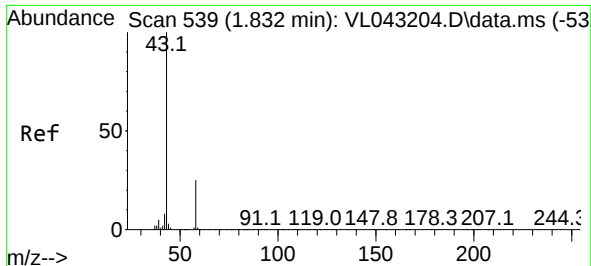
Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025



#13
 Ethanol
 Concen: 1.633 ppbv
 RT: 1.729 min Scan# 507
 Delta R.T. 0.013 min
 Lab File: VL043301.D
 Acq: 02 Dec 2025 16:30

Tgt Ion: 45 Resp: 4454
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.0 59.8





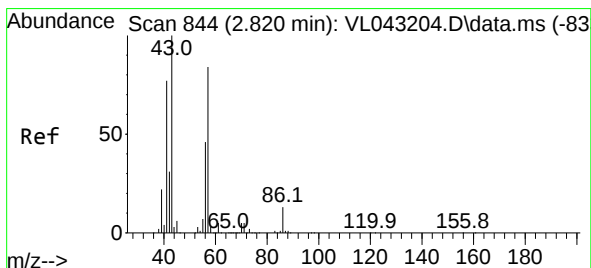
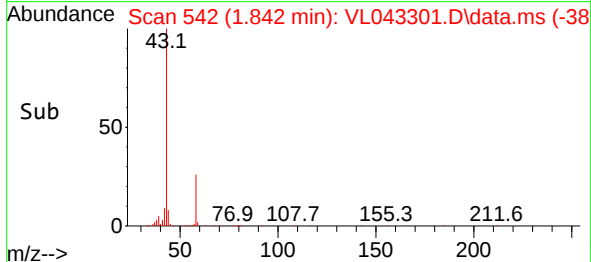
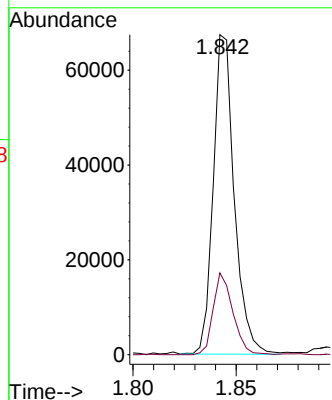
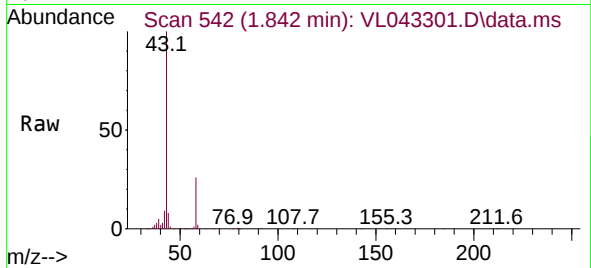
#15
Acetone
Concen: 2.616 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL043301.D
Acq: 02 Dec 2025 16:30

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 43 Resp: 4785
Ion Ratio Lower Upper
43 100
58 24.2 20.7 31.1

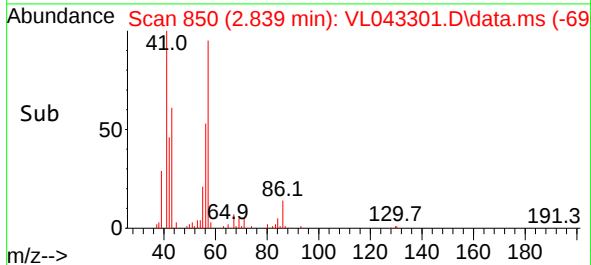
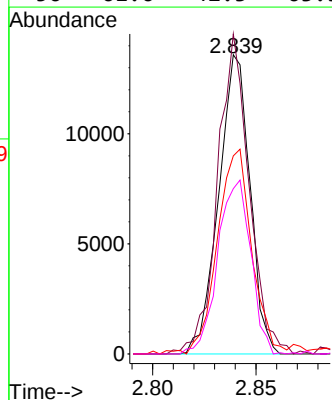
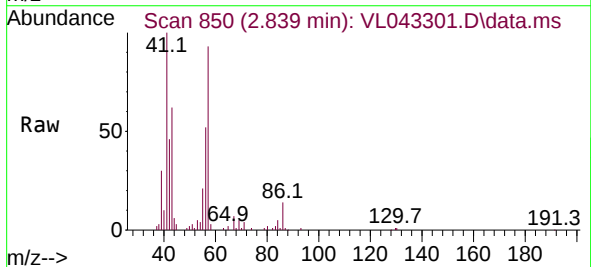
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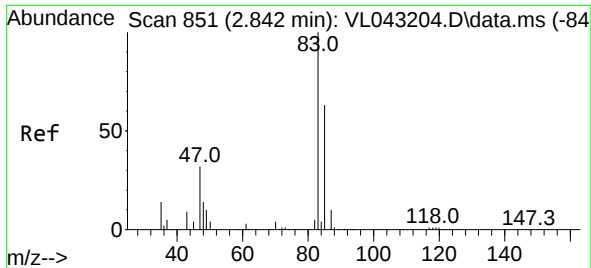
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#26
Hexane
Concen: 0.826 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.019 min
Lab File: VL043301.D
Acq: 02 Dec 2025 16:30

Tgt Ion: 57 Resp: 14297
Ion Ratio Lower Upper
57 100
41 108.3 74.6 111.8
43 78.6 179.0 268.4#
56 61.6 42.3 63.5





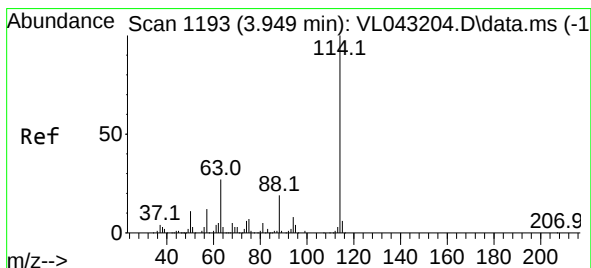
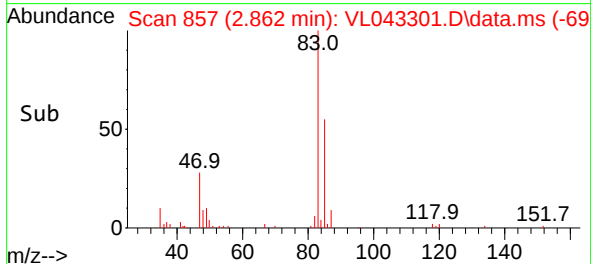
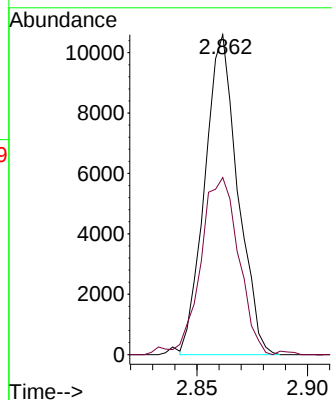
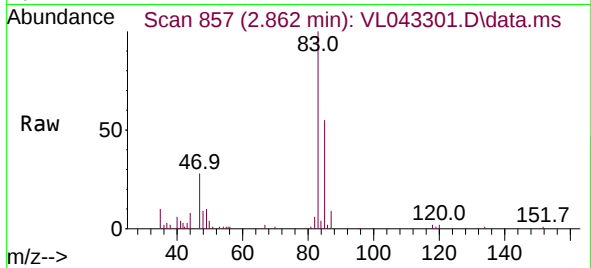
#29
Chloroform
Concen: 0.446 ppbv
RT: 2.862 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL043301.D
Acq: 02 Dec 2025 16:30

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 83 Resp: 10974
Ion Ratio Lower Upper
83 100
85 54.2 50.5 75.7

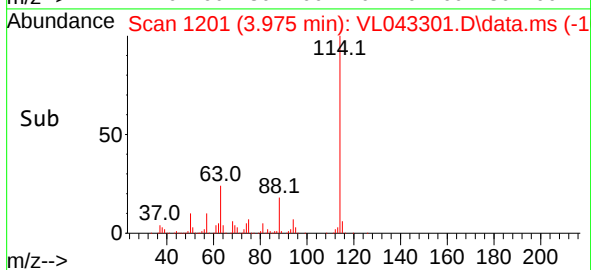
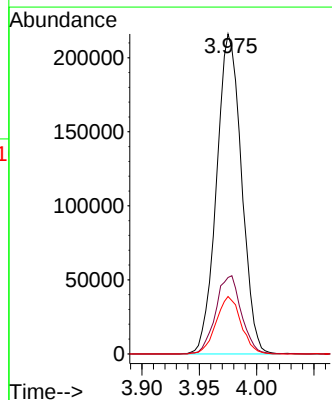
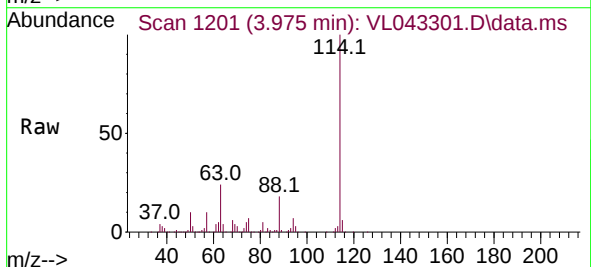
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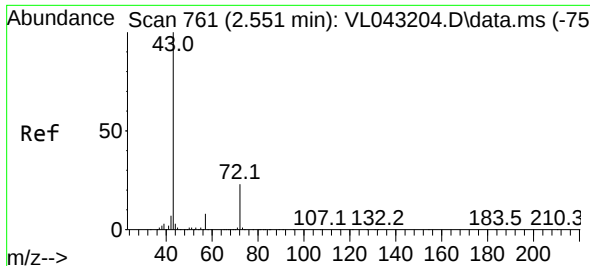
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.026 min
Lab File: VL043301.D
Acq: 02 Dec 2025 16:30

Tgt Ion:114 Resp: 327278
Ion Ratio Lower Upper
114 100
63 25.1 21.0 31.6
88 17.8 14.9 22.3





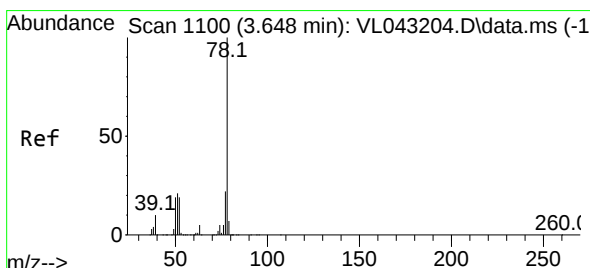
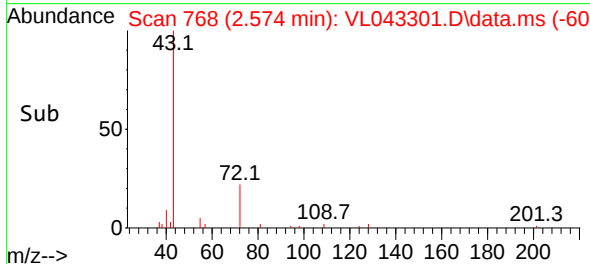
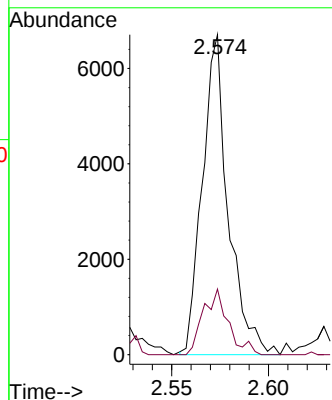
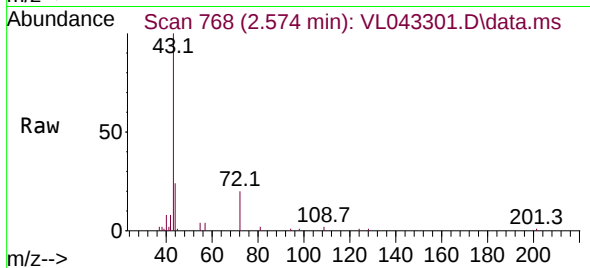
#34
2-Butanone
Concen: 0.270 ppbv
RT: 2.574 min Scan# 761
Delta R.T. 0.023 min
Lab File: VL043301.D
Acq: 02 Dec 2025 16:30

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 43 Resp: 622
Ion Ratio Lower Upper
43 100
72 19.9 18.1 27.1

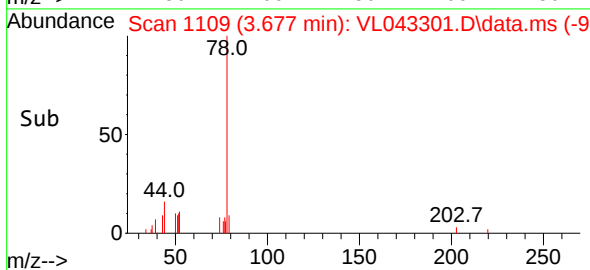
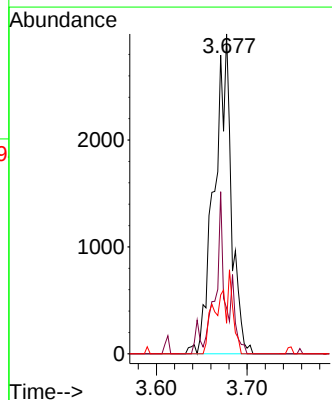
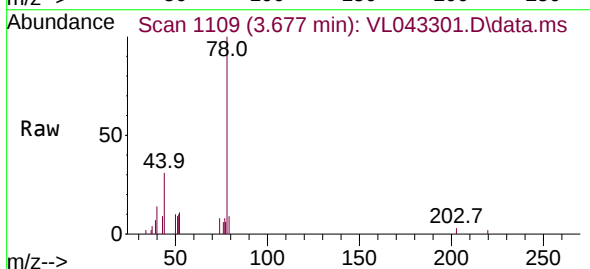
Manual Integrations
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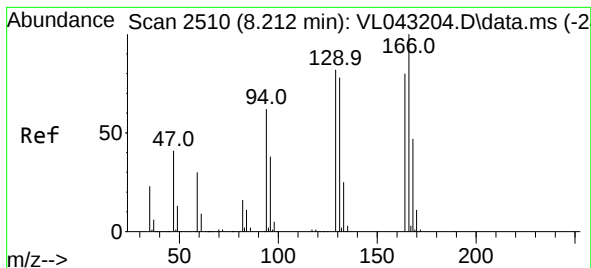
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#36
Benzene
Concen: 0.125 ppbv m
RT: 3.677 min Scan# 1109
Delta R.T. 0.029 min
Lab File: VL043301.D
Acq: 02 Dec 2025 16:30

Tgt Ion: 78 Resp: 3904
Ion Ratio Lower Upper
78 100
77 7.9 17.5 26.3#
50 9.6 15.5 23.3#





#52

Tetrachloroethene

Concen: 0.401 ppbv m

RT: 8.241 min Scan# 2119

Delta R.T. 0.029 min

Lab File: VL043301.D

Acq: 02 Dec 2025 16:30

Instrument :

MSVOA_L

ClientSampleId :

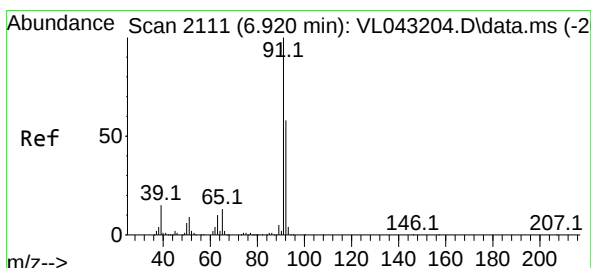
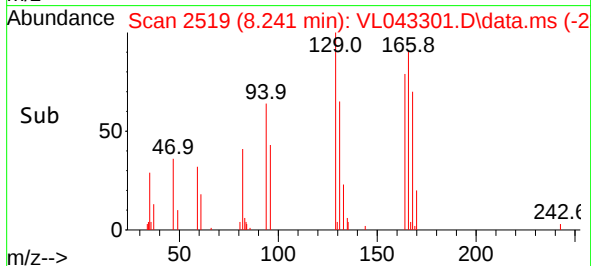
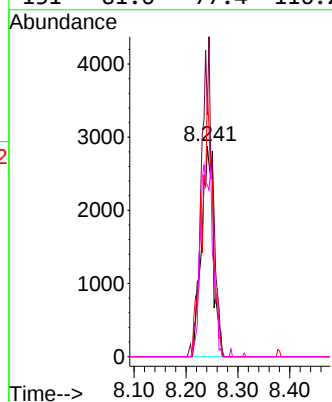
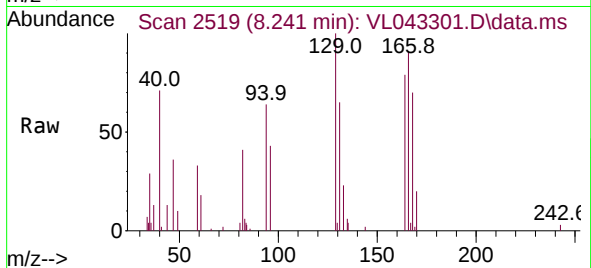
SV2

Tgt Ion:	164	Resp:	4675
Ion	Ratio	Lower	Upper
164	100		
166	114.9	99.4	149.2
129	126.3	81.8	122.8
131	81.6	77.4	116.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#53

Toluene

Concen: 0.624 ppbv

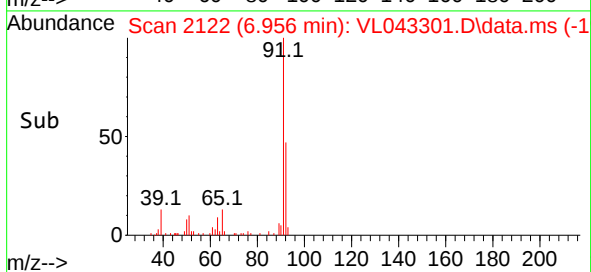
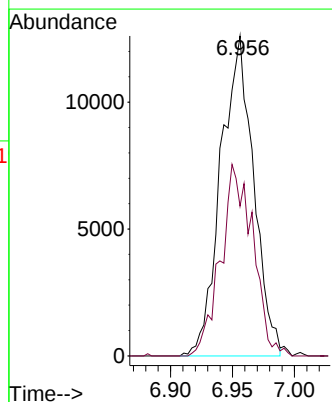
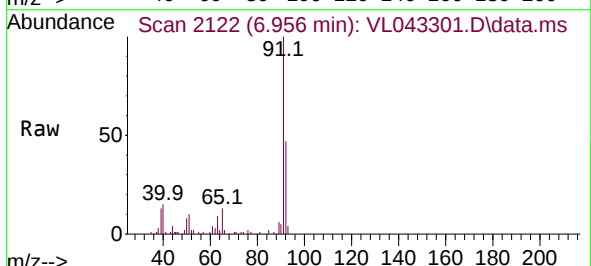
RT: 6.956 min Scan# 2122

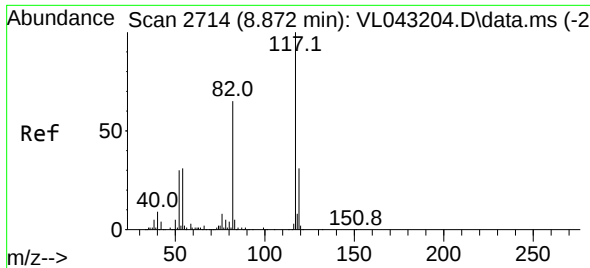
Delta R.T. 0.036 min

Lab File: VL043301.D

Acq: 02 Dec 2025 16:30

Tgt Ion:	91	Resp:	23155
Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.4	71.0





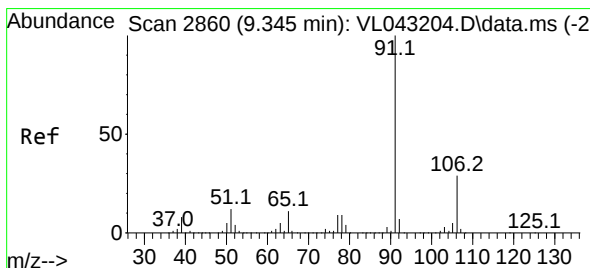
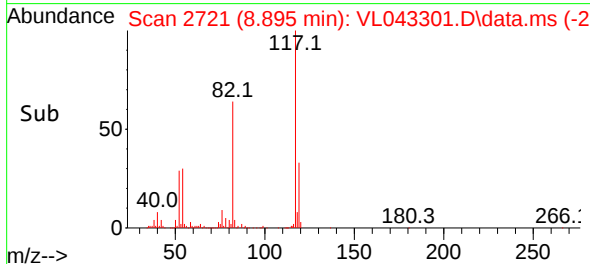
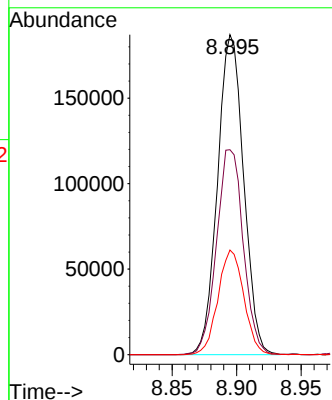
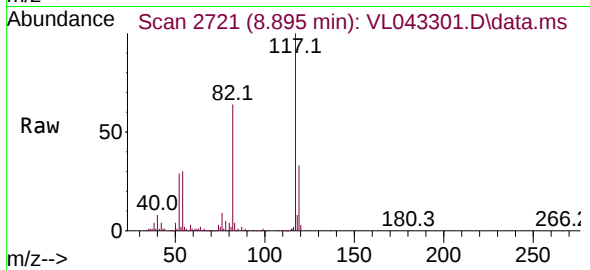
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2714
Delta R.T. 0.023 min
Lab File: VL043301.D
Acq: 02 Dec 2025 16:30

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 117 Resp: 263808
Ion Ratio Lower Upper
117 100
82 65.6 56.1 84.1
119 32.3 25.0 37.6

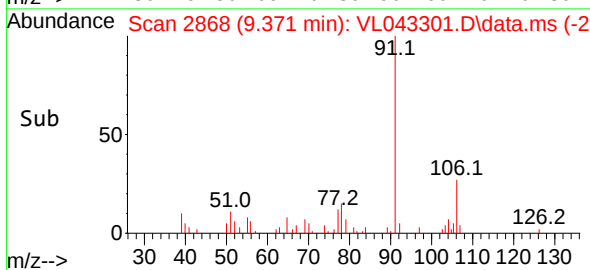
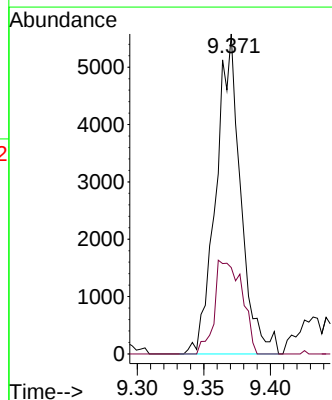
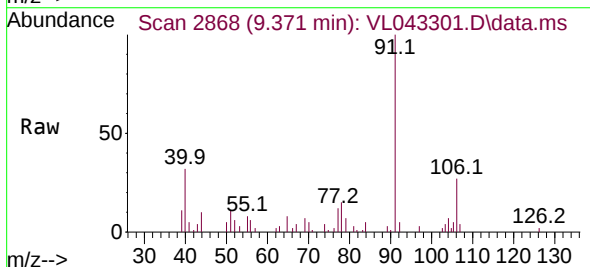
Manual Integrations
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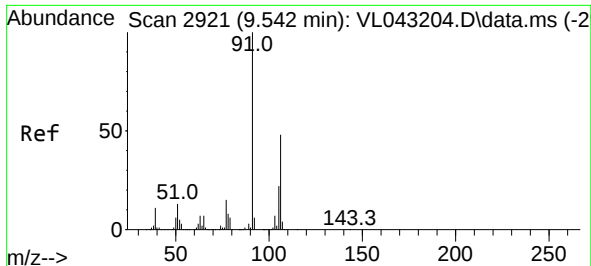
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#58
Ethyl Benzene
Concen: 0.142 ppbv m
RT: 9.371 min Scan# 2868
Delta R.T. 0.026 min
Lab File: VL043301.D
Acq: 02 Dec 2025 16:30

Tgt Ion: 91 Resp: 7201
Ion Ratio Lower Upper
91 100
106 27.0 22.8 34.2





#59

m/p-Xylene

Concen: 0.477 ppbv m

RT: 9.545 min Scan# 2921

Delta R.T. 0.003 min

Lab File: VL043301.D

Acq: 02 Dec 2025 16:30

Instrument :

MSVOA_L

ClientSampleId :

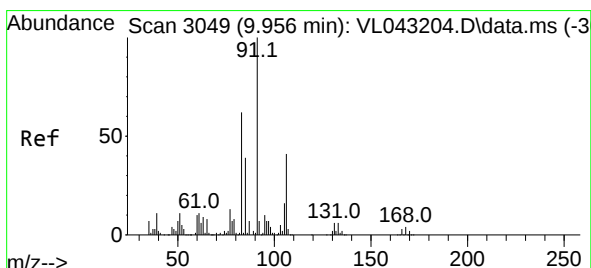
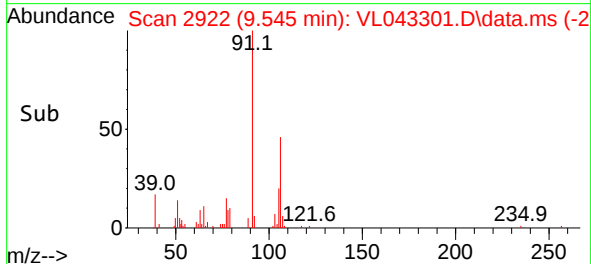
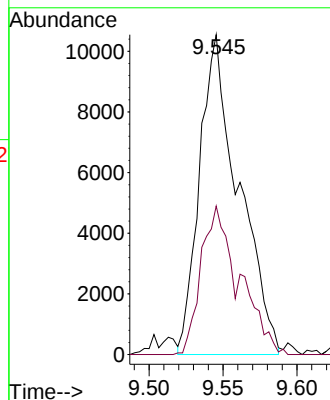
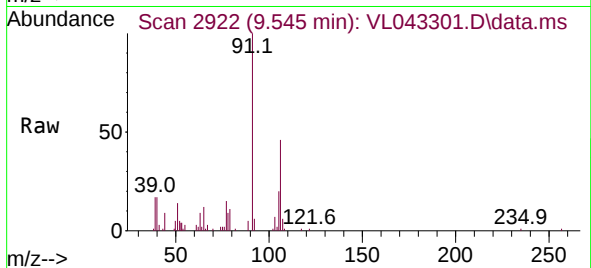
SV2

Tgt Ion: 91 Resp: 19429
 Ion Ratio Lower Upper
 91 100
 106 0.0 36.1 54.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025



#60

o-Xylene

Concen: 0.254 ppbv m

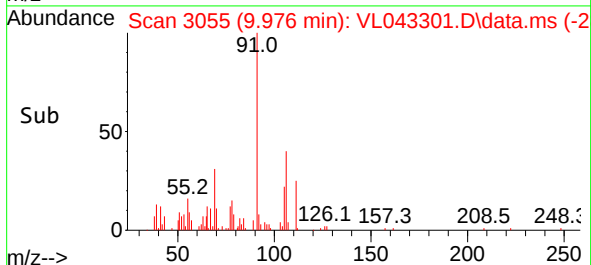
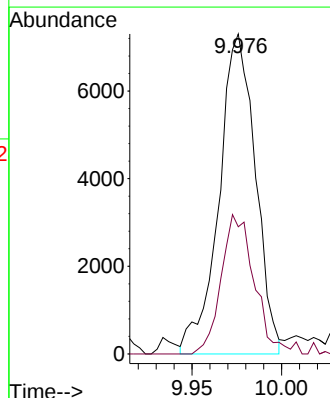
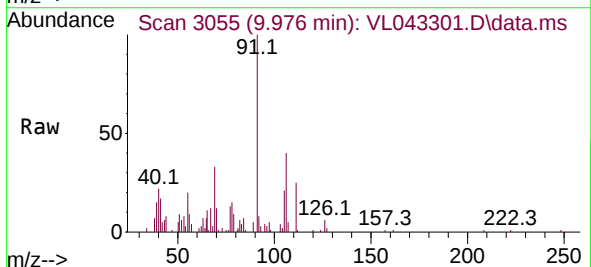
RT: 9.976 min Scan# 3055

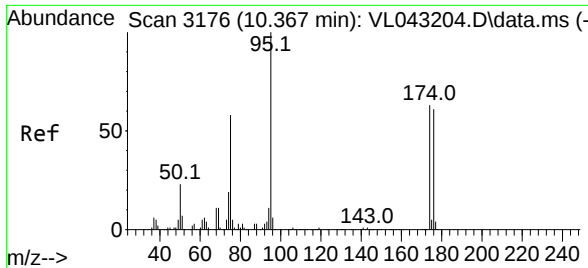
Delta R.T. 0.019 min

Lab File: VL043301.D

Acq: 02 Dec 2025 16:30

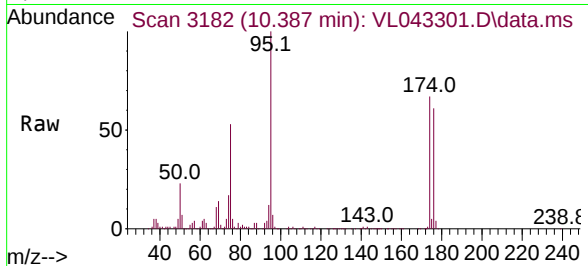
Tgt Ion: 91 Resp: 10322
 Ion Ratio Lower Upper
 91 100
 106 40.4 20.9 62.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.510 ppbv
 RT: 10.387 min Scan# 3176
 Delta R.T. 0.019 min
 Lab File: VL043301.D
 Acq: 02 Dec 2025 16:30

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



Tgt Ion: 95 Resp: 203235
 Ion Ratio Lower Upper
 95 100
 174 66.9 50.2 75.2
 175 4.9 4.1 6.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

