

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043090.D
 Acq On : 09 Oct 2025 16:07
 Operator : SY/MD
 Sample : Q3320-08 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4

Manual Integrations
 APPROVED

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

Quant Time: Oct 09 22:17:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	198803	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.942	114	523879	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	525878	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	427637	11.288	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.900%
Target Compounds						
					Qvalue	
9) Propene	1.483	41	2658	0.203	ppbv #	17
10) Heptane	4.959	43	9039	0.281	ppbv	100
13) Ethanol	1.719	45	3702m	6.547	ppbv	
15) Acetone	1.829	43	512933	18.427	ppbv	98
20) Methylene Chloride	2.056	84	3855	0.317	ppbv	93
26) Hexane	2.816	57	64733	2.410	ppbv #	33
34) 2-Butanone	2.554	43	14981	0.421	ppbv	96
38) Trichloroethene	4.528	130	2031m	0.097	ppbv	
41) Tetrahydrofuran	3.049	42	2343	0.128	ppbv #	78
51) 2-Hexanone	7.422	43	10862m	0.352	ppbv	
52) Tetrachloroethene	8.205	164	3381m	0.182	ppbv	
53) Toluene	6.910	91	21425	0.424	ppbv	99
58) Ethyl Benzene	9.341	91	8261m	0.101	ppbv	
59) m/p-Xylene	9.519	91	20807m	0.303	ppbv	
60) o-Xylene	9.950	91	12540	0.183	ppbv	93

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

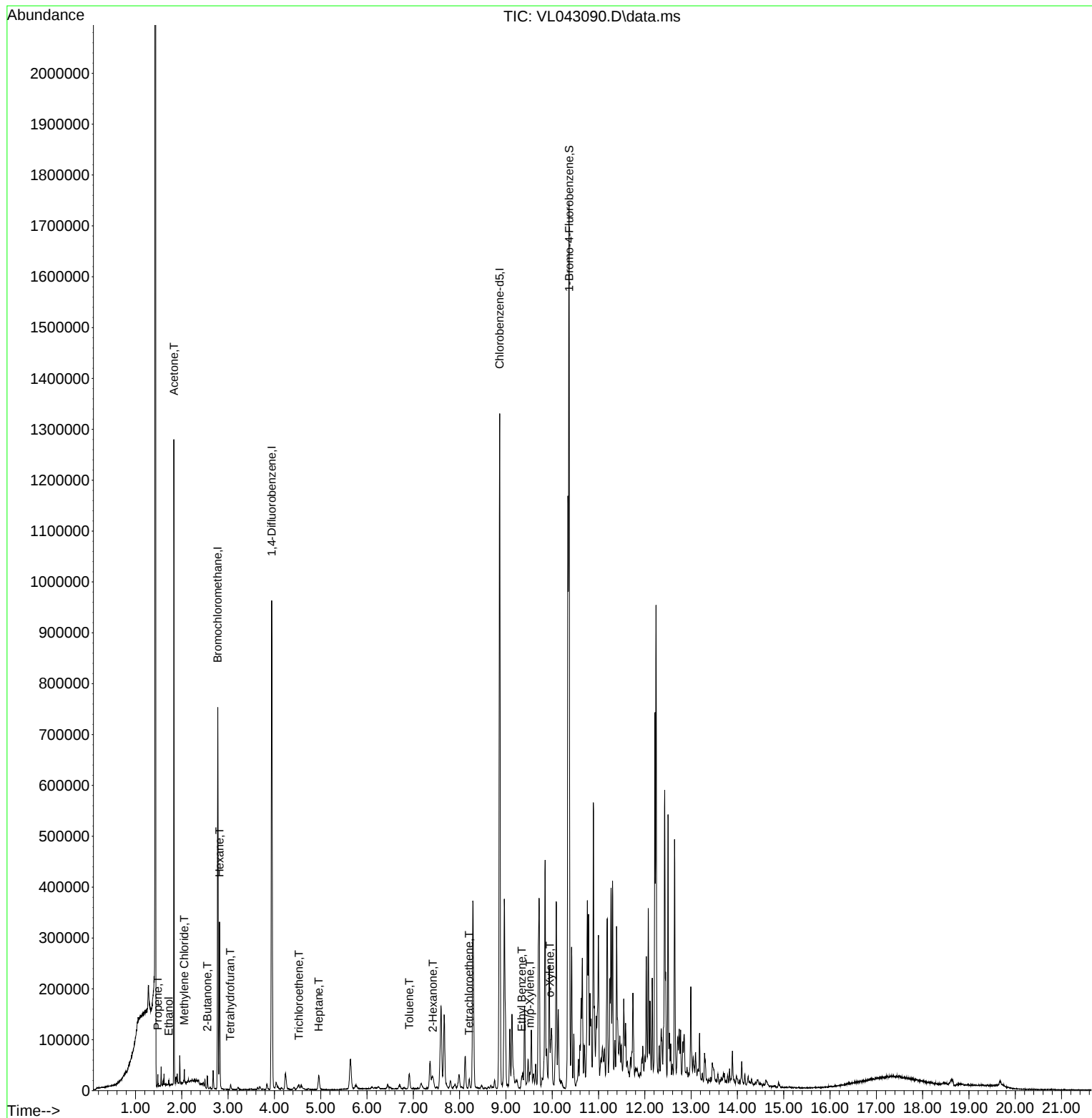
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043090.D
Acq On : 09 Oct 2025 16:07
Operator : SY/MD
Sample : Q3320-08 10X
Misc : 400mL/MSVOA_L
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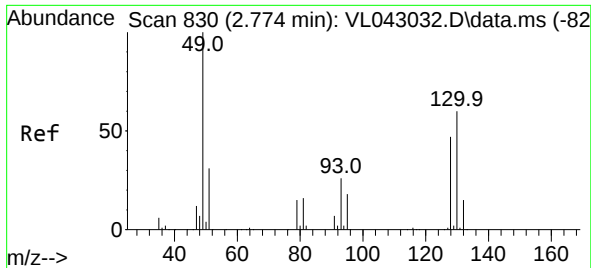
Instrument :
MSVOA_L
ClientSampleId :
SV4

Quant Time: Oct 09 22:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

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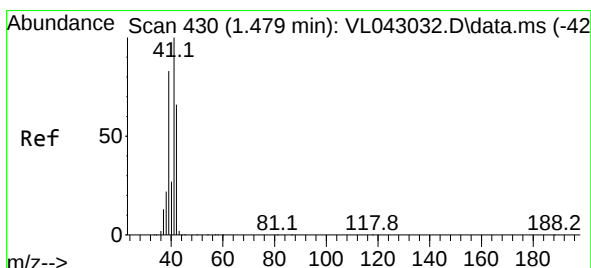
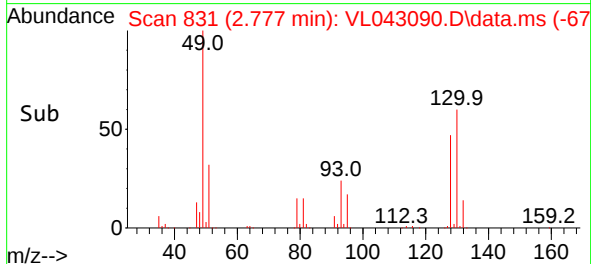
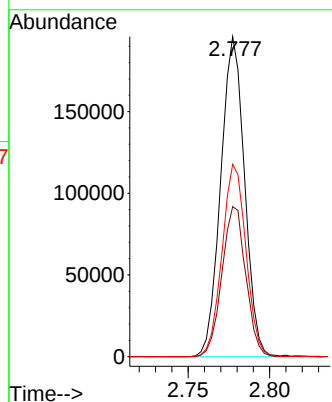
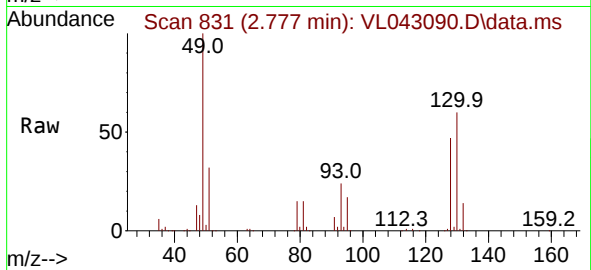
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 49 Resp: 19880
Ion Ratio Lower Upper
49 100
128 47.0 24.1 72.2
130 60.4 31.4 94.3

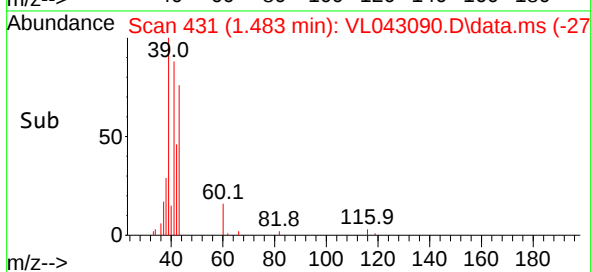
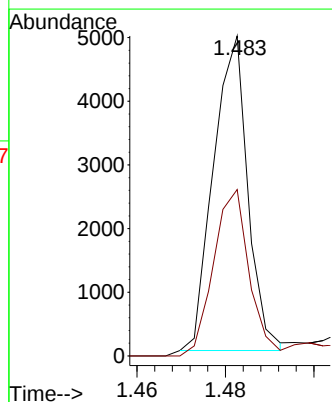
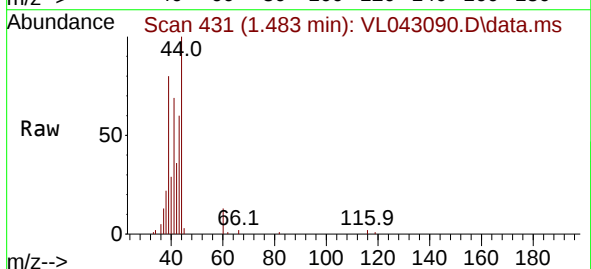
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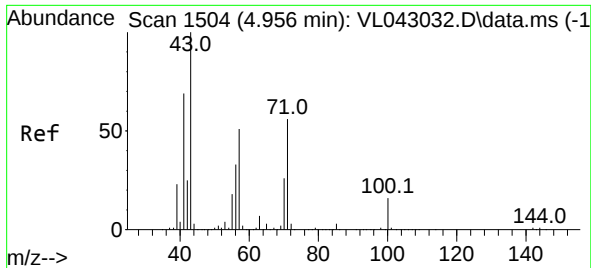
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#9
Propene
Concen: 0.203 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07

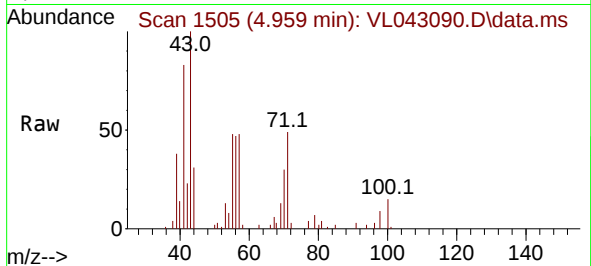
Tgt Ion: 41 Resp: 2658
Ion Ratio Lower Upper
41 100
42 0.0 53.3 79.9#





#10
Heptane
Concen: 0.281 ppbv
RT: 4.959 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07

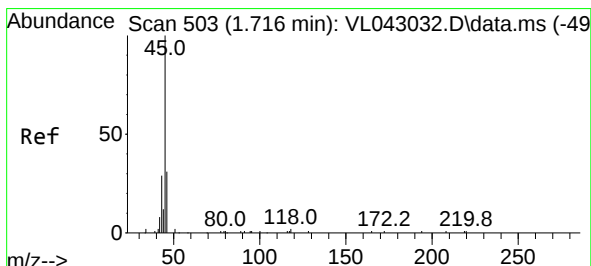
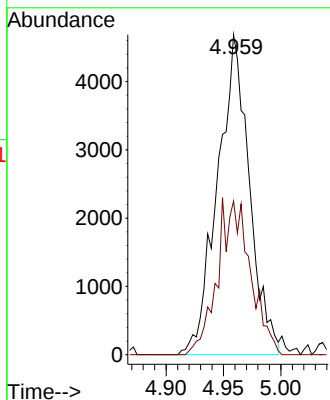
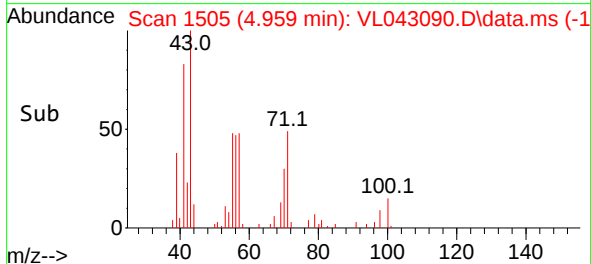
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 43 Resp: 9039
Ion Ratio Lower Upper
43 100
57 50.3 40.3 60.5

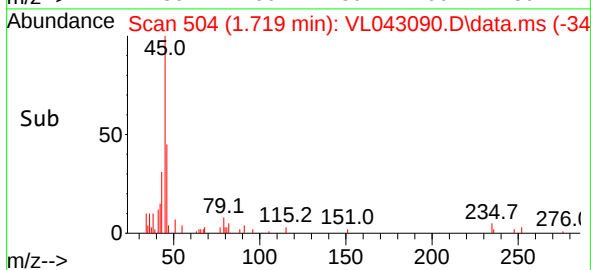
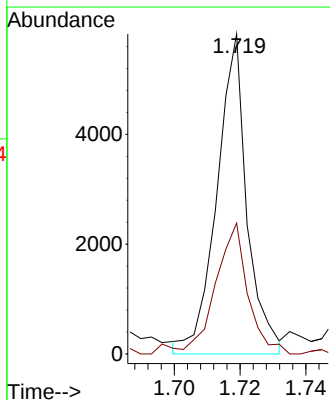
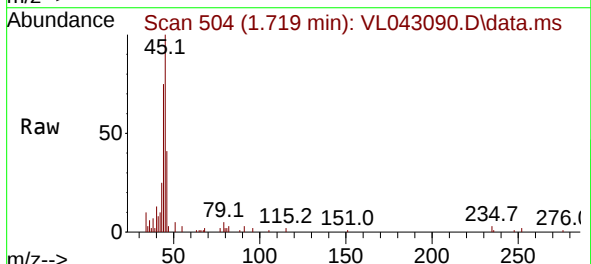
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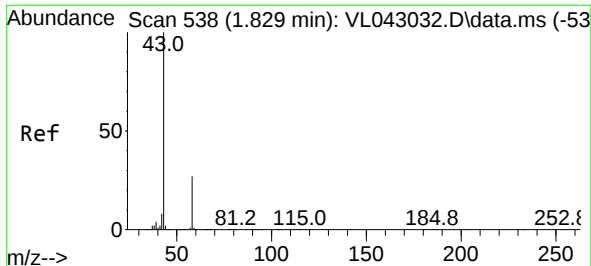
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#13
Ethanol
Concen: 6.547 ppbv m
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07

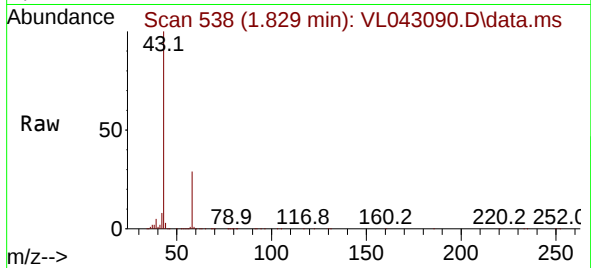
Tgt Ion: 45 Resp: 3702
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4#





#15
Acetone
Concen: 18.427 ppbv
RT: 1.829 min Scan# 51293
Delta R.T. 0.000 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07

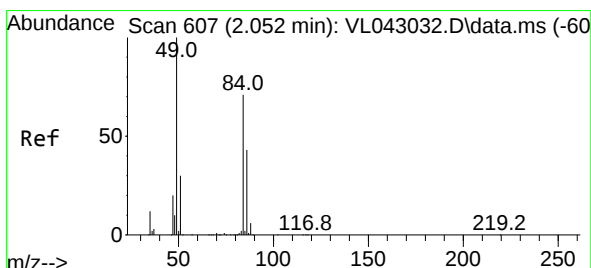
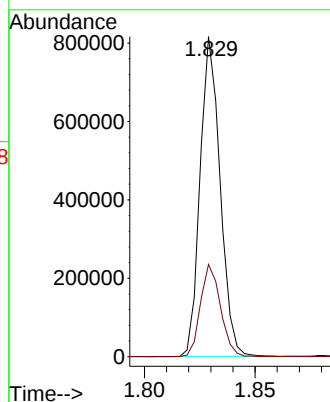
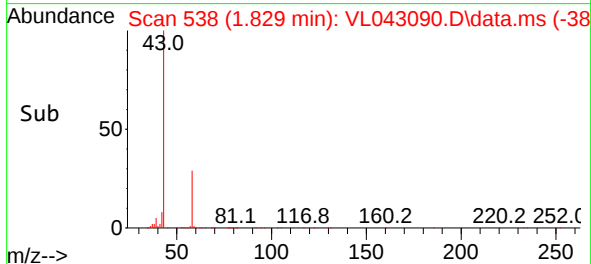
Instrument :
MSVOA_L
ClientSampleId :
SV4



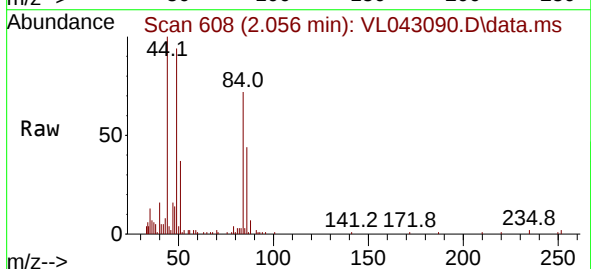
Tgt Ion: 43 Resp: 51293
Ion Ratio Lower Upper
43 100
58 29.0 22.2 33.4

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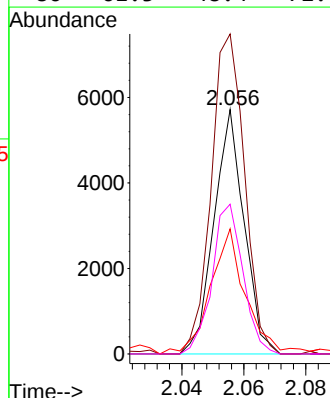
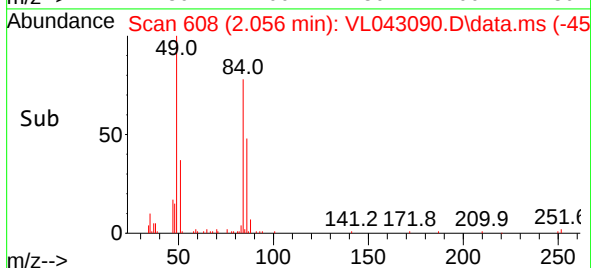
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

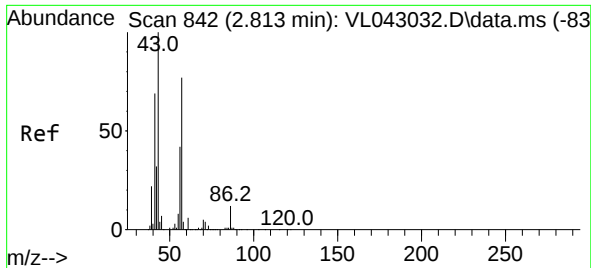


#20
Methylene Chloride
Concen: 0.317 ppbv
RT: 2.056 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07



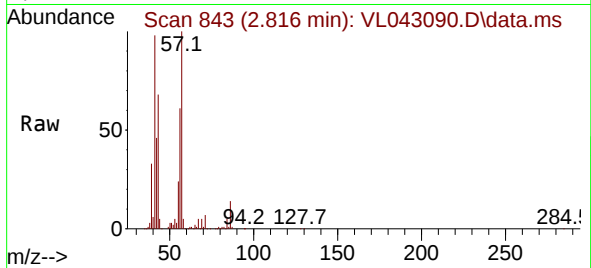
Tgt Ion: 84 Resp: 3855
Ion Ratio Lower Upper
84 100
49 130.9 112.5 168.7
51 49.9 34.2 51.2
86 61.3 48.4 72.6





#26
Hexane
Concen: 2.410 ppbv
RT: 2.816 min Scan# 842
Delta R.T. 0.003 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07

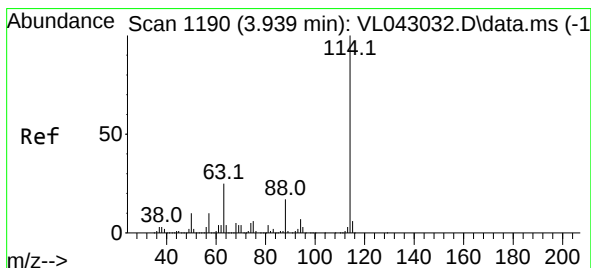
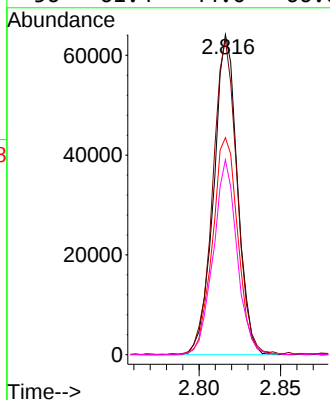
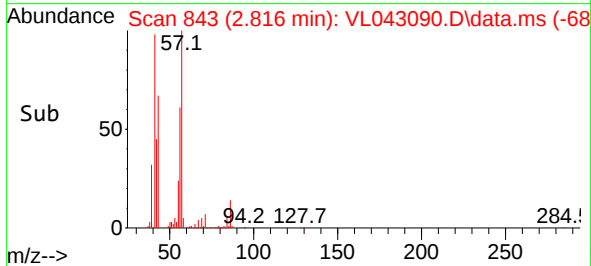
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 57 Resp: 64733
Ion Ratio Lower Upper
57 100
41 101.7 76.1 114.1
43 73.2 201.4 302.0
56 61.4 44.0 66.0

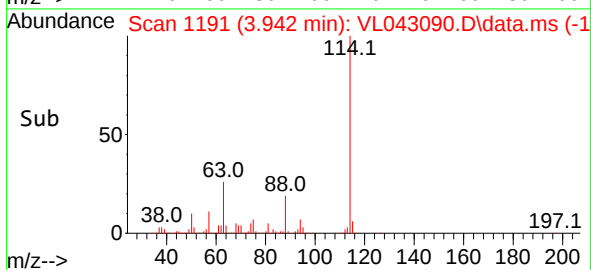
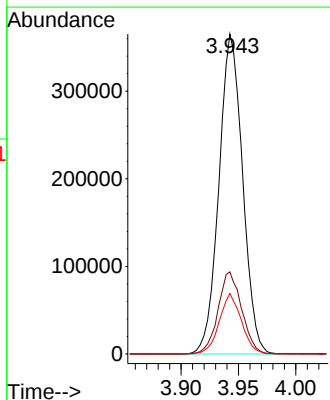
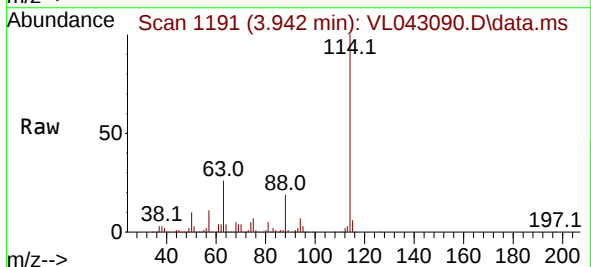
Manual Integrations
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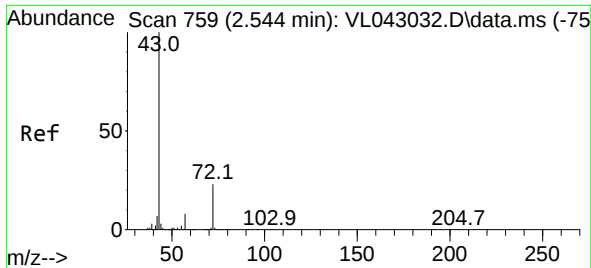
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.942 min Scan# 1191
Delta R.T. 0.003 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07

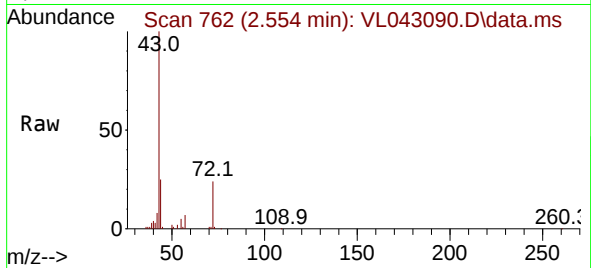
Tgt Ion:114 Resp: 523879
Ion Ratio Lower Upper
114 100
63 25.6 19.4 29.2
88 17.6 13.9 20.9





#34
2-Butanone
Concen: 0.421 ppbv
RT: 2.554 min Scan# 759
Delta R.T. 0.010 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07

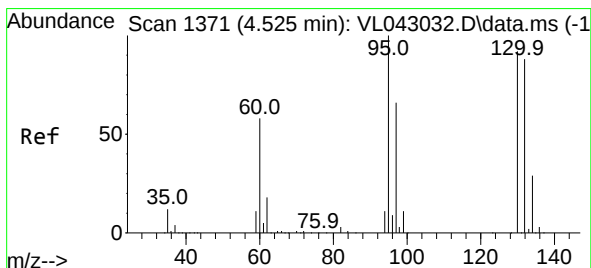
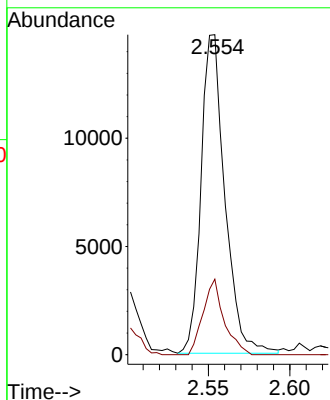
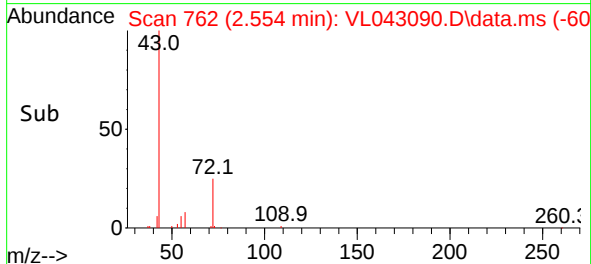
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 43 Resp: 1498
Ion Ratio Lower Upper
43 100
72 20.8 18.4 27.6

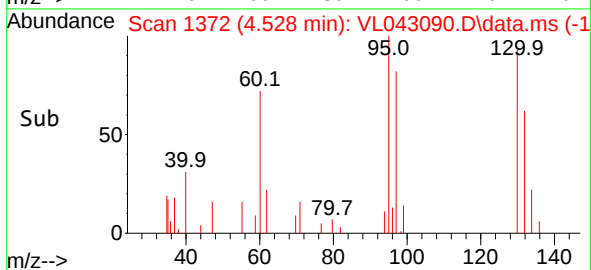
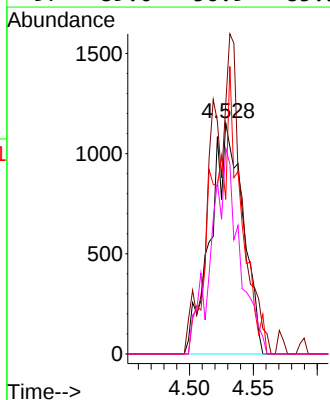
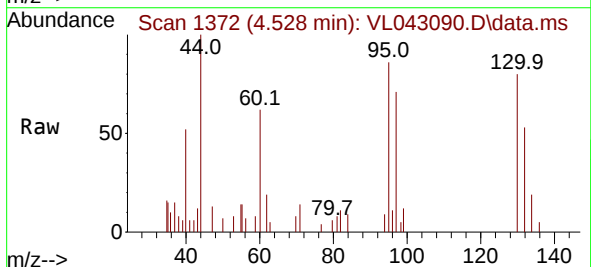
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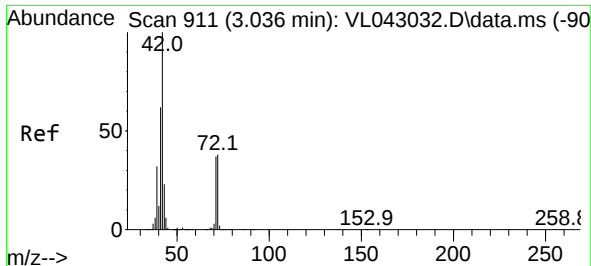
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#38
Trichloroethene
Concen: 0.097 ppbv m
RT: 4.528 min Scan# 1372
Delta R.T. 0.003 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07

Tgt Ion:130 Resp: 2031
Ion Ratio Lower Upper
130 100
95 108.1 86.4 129.6
132 66.9 75.7 113.5#
97 89.0 56.9 85.3#





#41

Tetrahydrofuran

Concen: 0.128 ppbv

RT: 3.049 min Scan# 911

Delta R.T. 0.013 min

Lab File: VL043090.D

Acq: 09 Oct 2025 16:07

Instrument :

MSVOA_L

ClientSampleId :

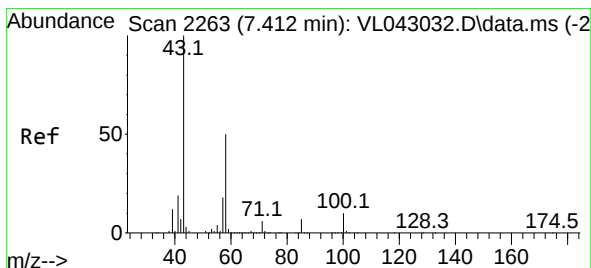
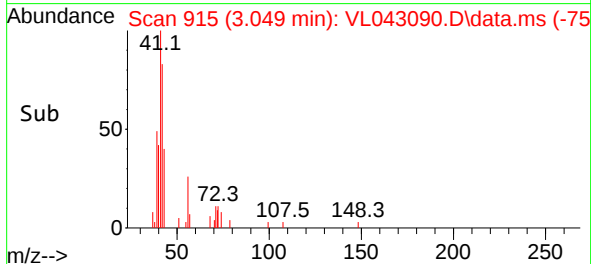
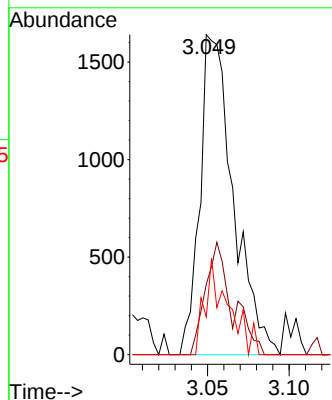
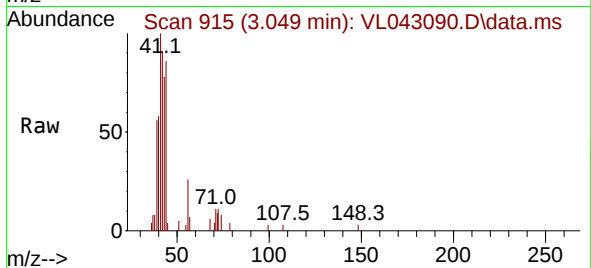
SV4

Tgt Ion:	42	Resp:	234
Ion	Ratio	Lower	Upper
42	100		
72	28.4	31.0	46.6
71	21.0	29.8	44.6

Manual Integrations

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



#51

2-Hexanone

Concen: 0.352 ppbv m

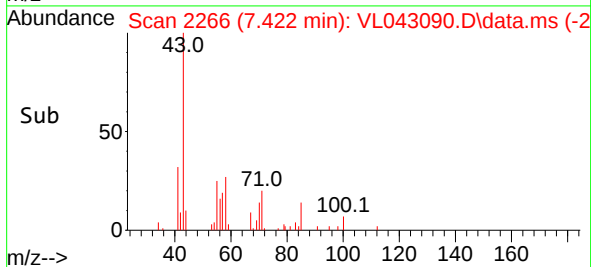
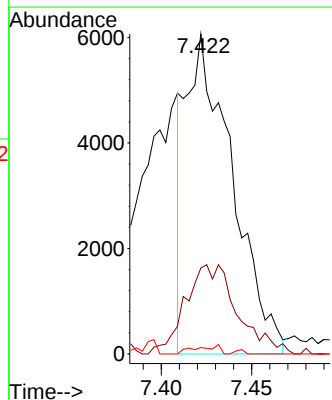
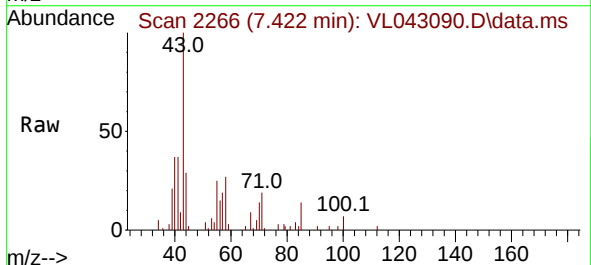
RT: 7.422 min Scan# 2266

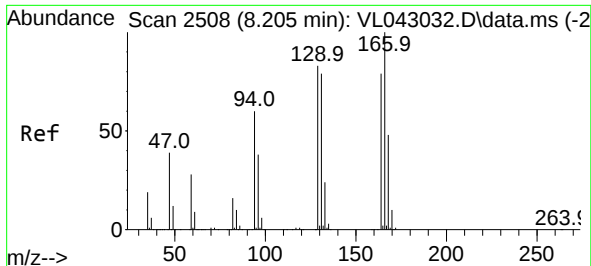
Delta R.T. 0.010 min

Lab File: VL043090.D

Acq: 09 Oct 2025 16:07

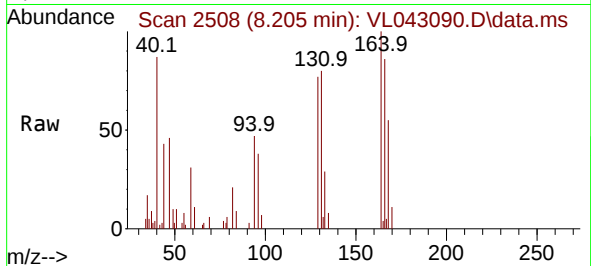
Tgt Ion:	43	Resp:	10862
Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.1	58.7#
98	0.0	0.5	0.7#





#52
Tetrachloroethene
Concen: 0.182 ppbv m
RT: 8.205 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07

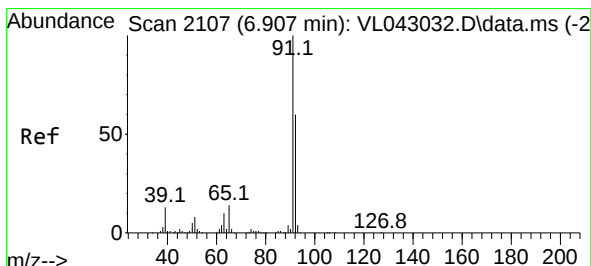
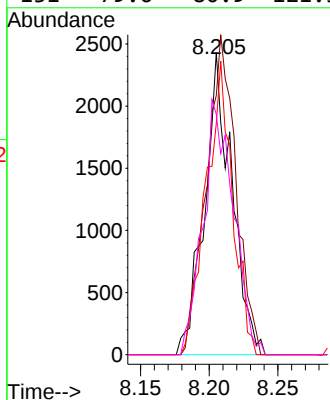
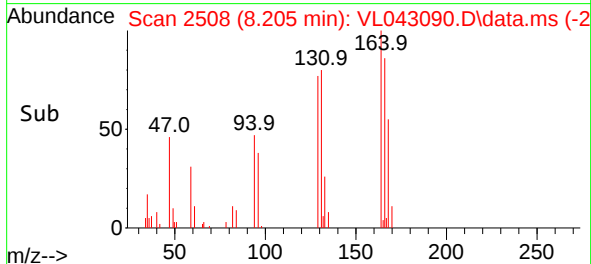
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion:164 Resp: 338
Ion Ratio Lower Upper
164 100
166 85.8 101.8 152.8
129 76.6 84.5 126.7
131 79.6 80.9 121.3

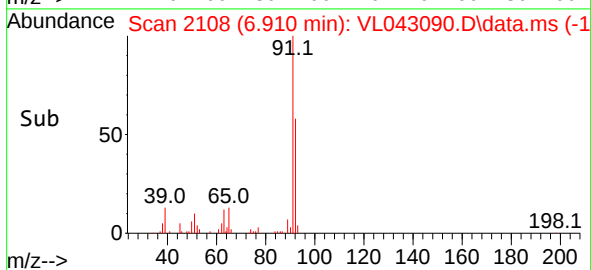
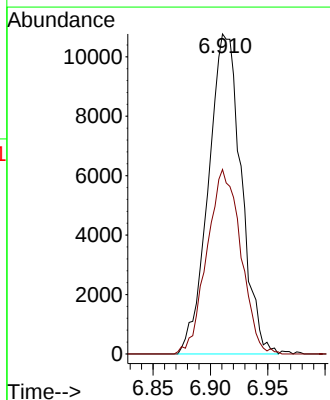
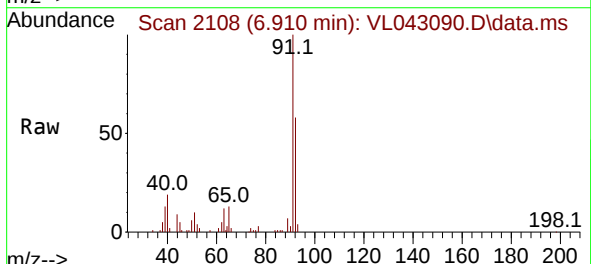
Manual Integrations
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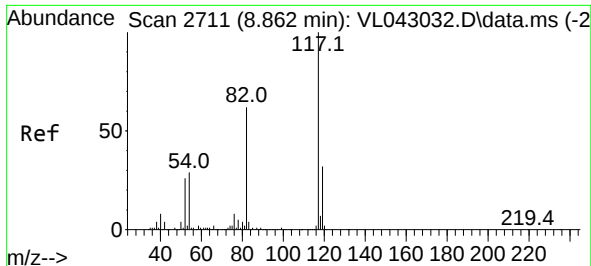
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#53
Toluene
Concen: 0.424 ppbv
RT: 6.910 min Scan# 2108
Delta R.T. 0.003 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07

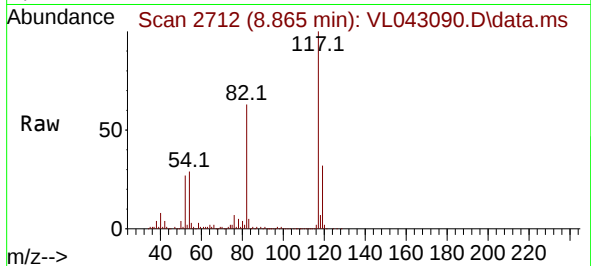
Tgt Ion: 91 Resp: 21425
Ion Ratio Lower Upper
91 100
92 59.3 47.8 71.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 2711
Delta R.T. 0.003 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07

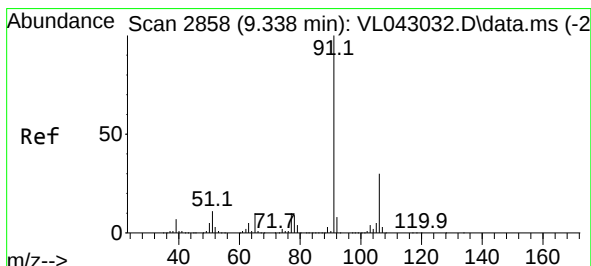
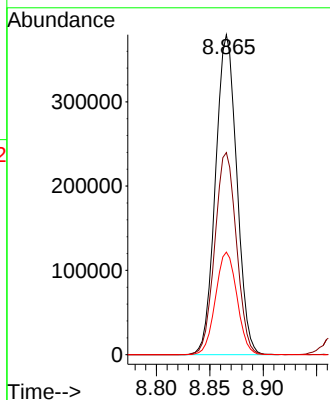
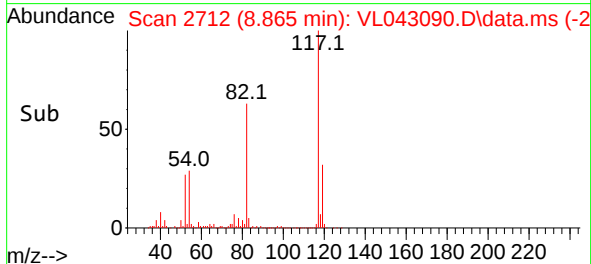
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 117 Resp: 525878
Ion Ratio Lower Upper
117 100
82 64.3 53.0 79.6
119 32.4 25.4 38.2

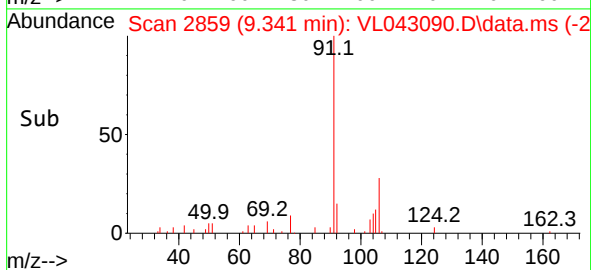
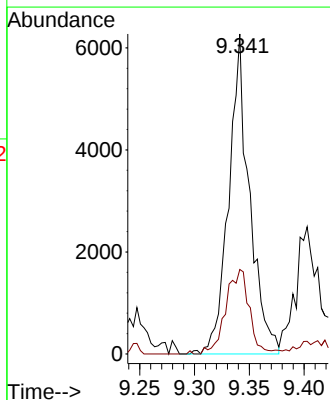
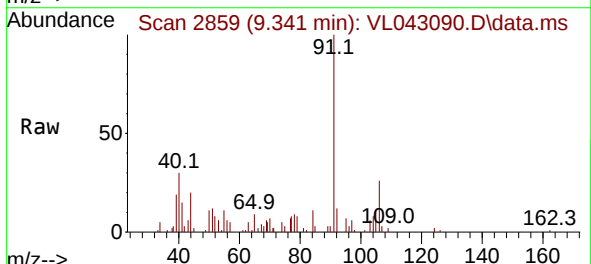
Manual Integrations
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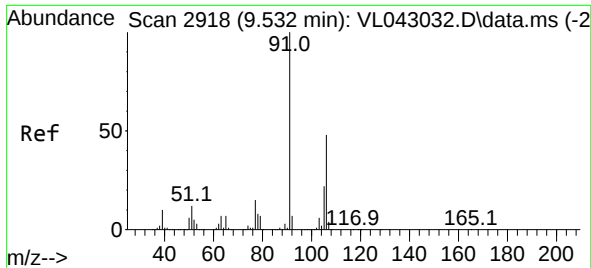
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
Ethyl Benzene
Concen: 0.101 ppbv m
RT: 9.341 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07

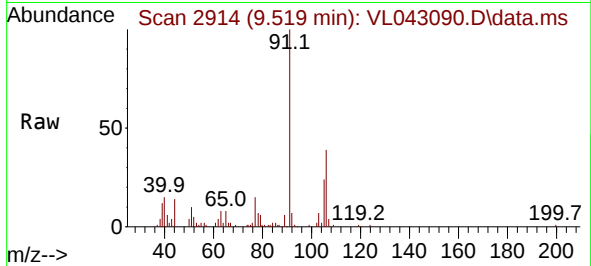
Tgt Ion: 91 Resp: 8261
Ion Ratio Lower Upper
91 100
106 26.4 24.1 36.1





#59
m/p-Xylene
Concen: 0.303 ppbv m
RT: 9.519 min Scan# 2914
Delta R.T. -0.013 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07

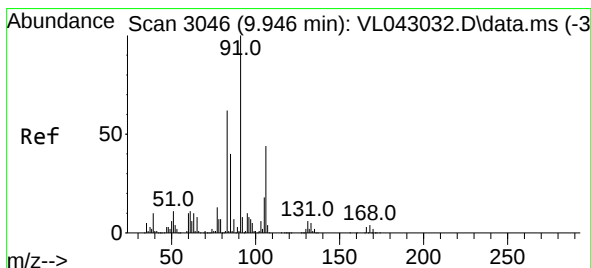
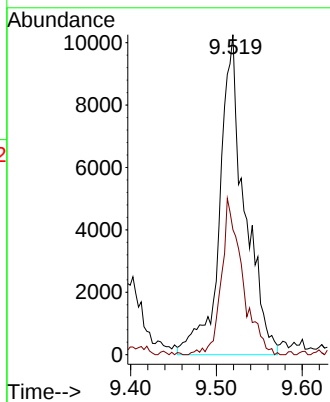
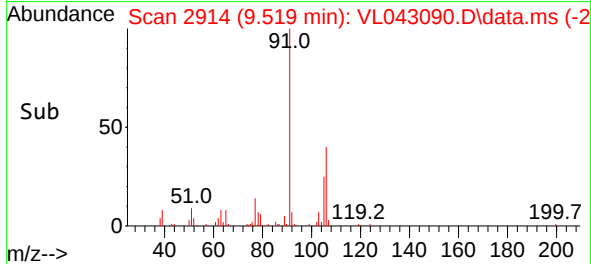
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 91 Resp: 2080
Ion Ratio Lower Upper
91 100
106 0.0 37.5 56.3

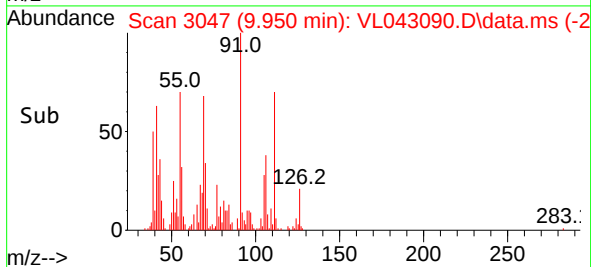
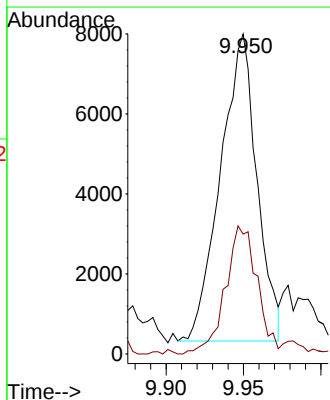
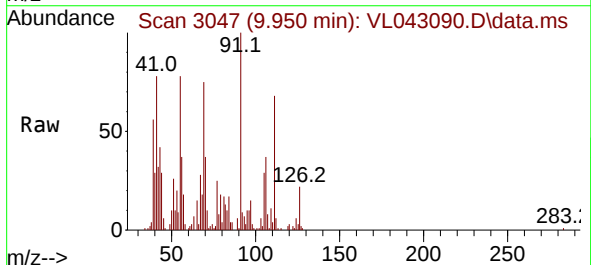
Manual Integrations
APPROVED

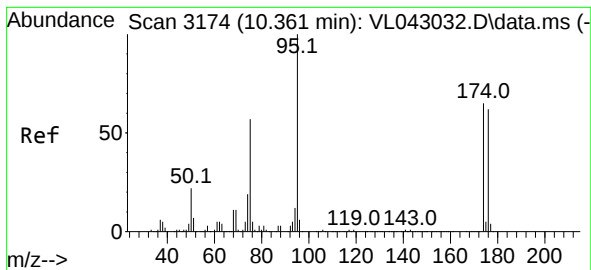
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
o-Xylene
Concen: 0.183 ppbv
RT: 9.950 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VL043090.D
Acq: 09 Oct 2025 16:07

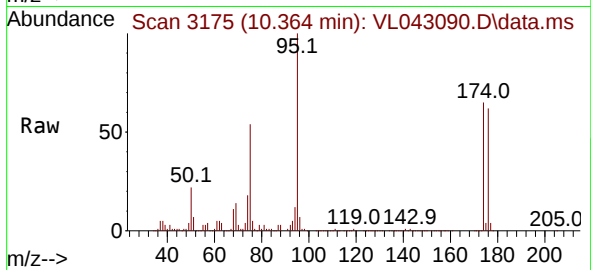
Tgt Ion: 91 Resp: 12540
Ion Ratio Lower Upper
91 100
106 39.3 21.9 65.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.288 ppbv
 RT: 10.364 min Scan# 3174
 Delta R.T. 0.003 min
 Lab File: VL043090.D
 Acq: 09 Oct 2025 16:07

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4



Tgt Ion: 95 Resp: 42763
 Ion Ratio Lower Upper
 95 100
 174 64.3 52.3 78.5
 175 4.6 3.8 5.8

Manual Integrations
 APPROVED

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

