

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043091.D
 Acq On : 09 Oct 2025 16:42
 Operator : SY/MD
 Sample : Q3320-10 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5

Manual Integrations
 APPROVED

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

Quant Time: Oct 09 22:17:58 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

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

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	191333	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	524109	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	472709	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	387710	11.385	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	113.900%
Target Compounds						
					Qvalue	
10) Heptane	4.962	43	3292m	0.106	ppbv	
13) Ethanol	1.719	45	17143	36.340	ppbv #	31
15) Acetone	1.832	43	205395	7.667	ppbv	99
17) tert-Butyl alcohol	2.039	59	5469	0.193	ppbv #	89
19) Isopropyl Alcohol	1.881	45	37731	2.940	ppbv #	1
20) Methylene Chloride	2.055	84	3291	0.281	ppbv #	85
26) Hexane	2.819	57	20181	0.781	ppbv #	32
38) Trichloroethene	4.531	130	2116m	0.101	ppbv	
52) Tetrachloroethene	8.205	164	11379	0.614	ppbv #	82
53) Toluene	6.914	91	11315m	0.224	ppbv	
59) m/p-Xylene	9.519	91	6314m	0.102	ppbv	

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

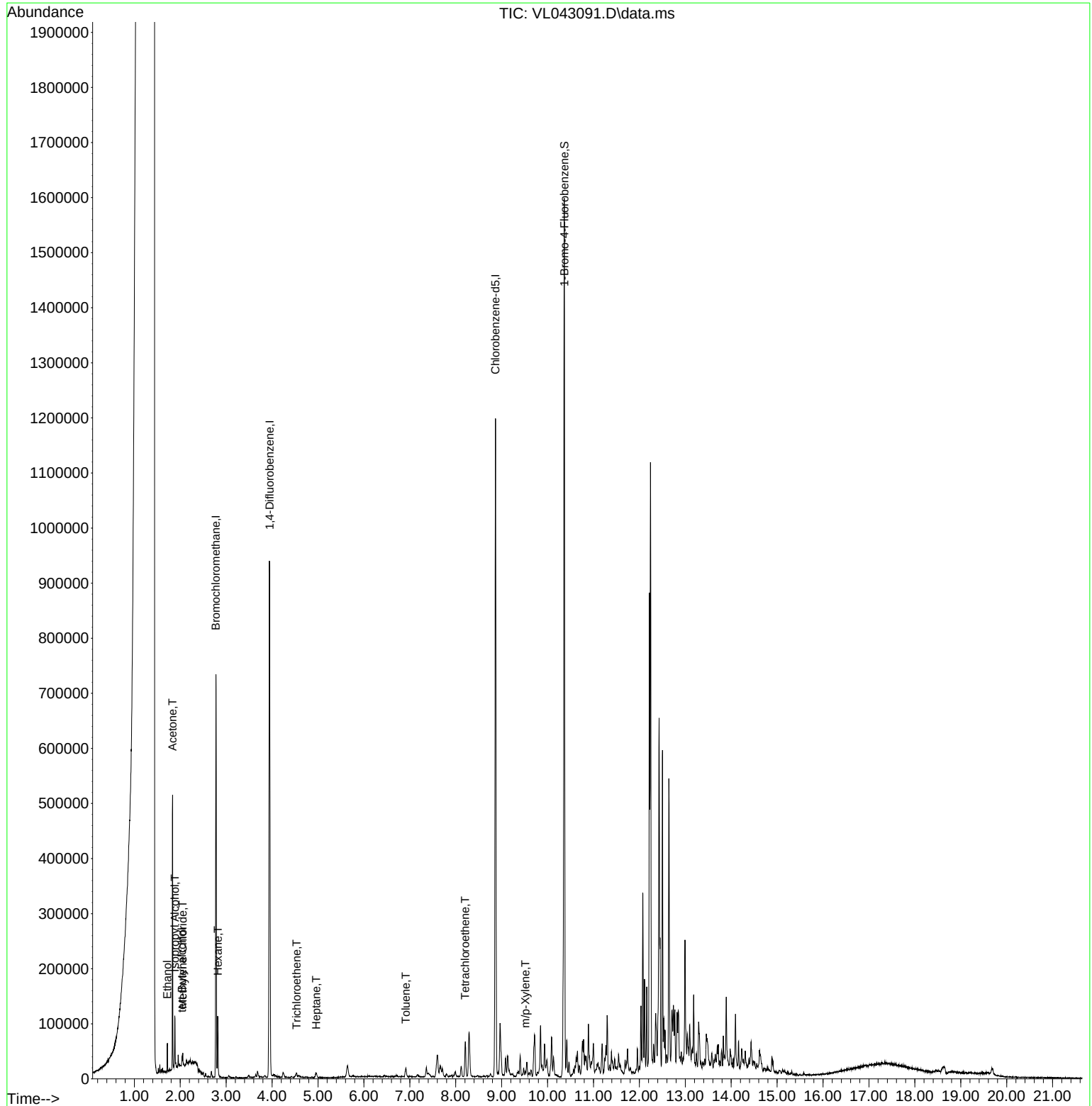
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043091.D
Acq On : 09 Oct 2025 16:42
Operator : SY/MD
Sample : Q3320-10 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

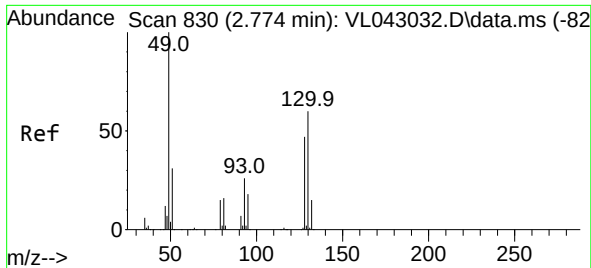
Instrument :
MSVOA_L
ClientSampleId :
SV5

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

Quant Time: Oct 09 22:17:58 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





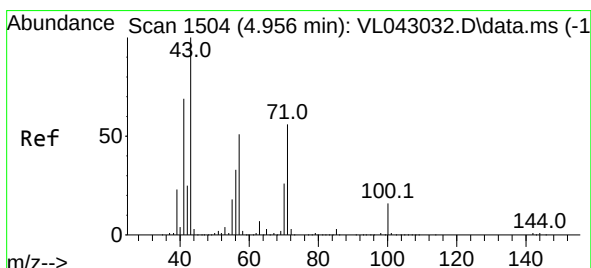
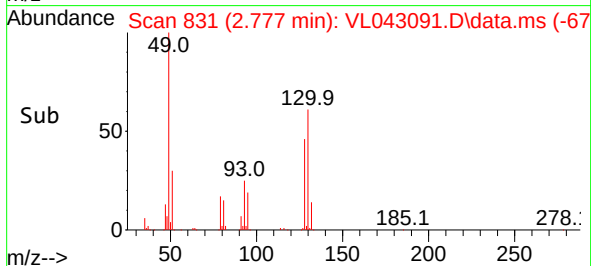
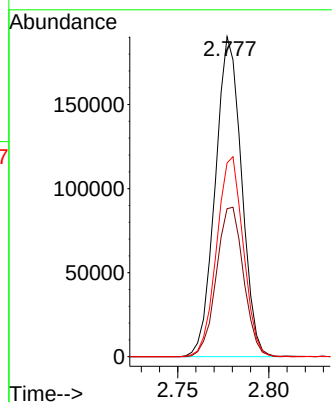
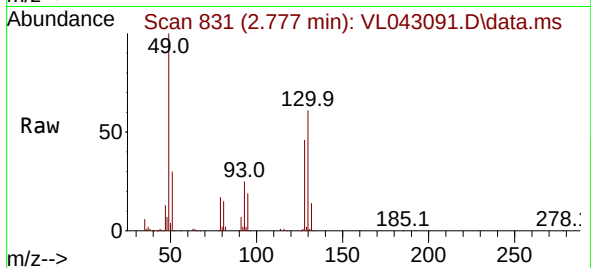
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043091.D
Acq: 09 Oct 2025 16:42

Instrument :
MSVOA_L
ClientSampleId :
SV5

Tgt Ion: 49 Resp: 19133
Ion Ratio Lower Upper
49 100
128 48.1 24.1 72.2
130 63.3 31.4 94.3

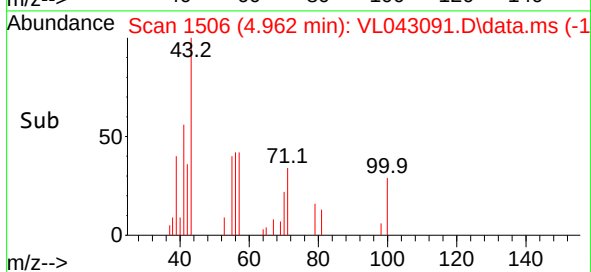
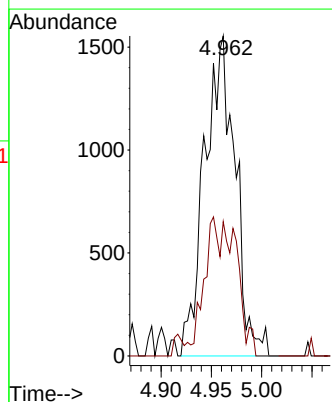
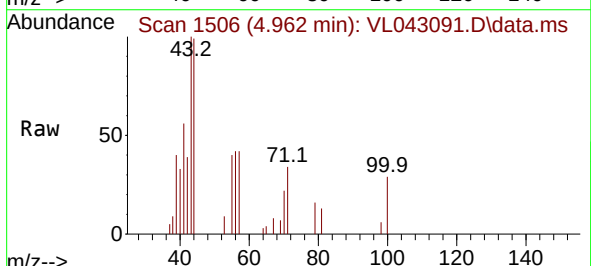
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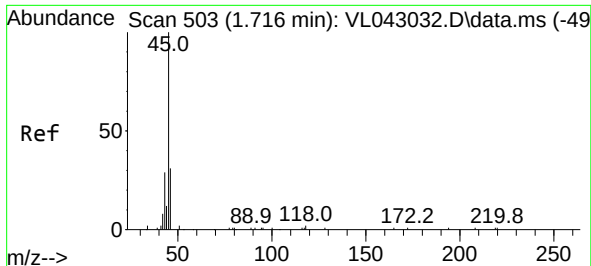
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#10
Heptane
Concen: 0.106 ppbv m
RT: 4.962 min Scan# 1506
Delta R.T. 0.006 min
Lab File: VL043091.D
Acq: 09 Oct 2025 16:42

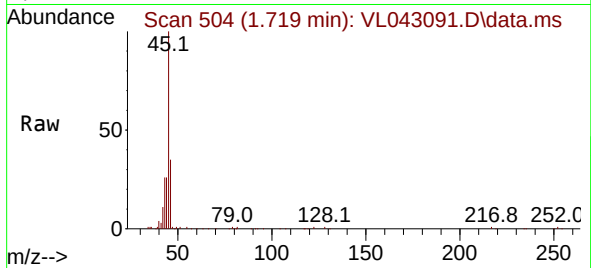
Tgt Ion: 43 Resp: 3292
Ion Ratio Lower Upper
43 100
57 0.0 40.3 60.5#





#13
Ethanol
Concen: 36.340 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043091.D
Acq: 09 Oct 2025 16:42

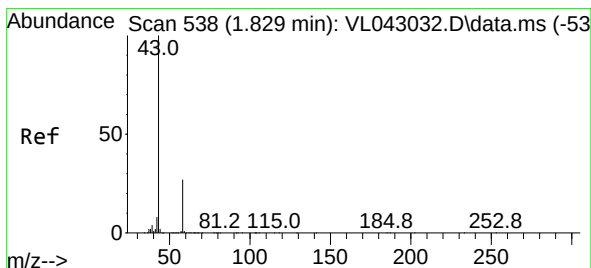
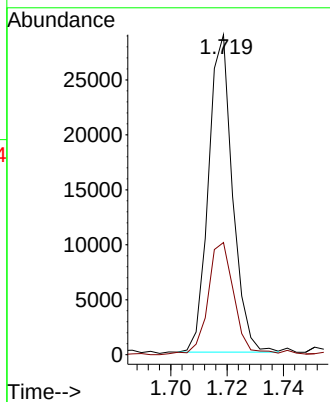
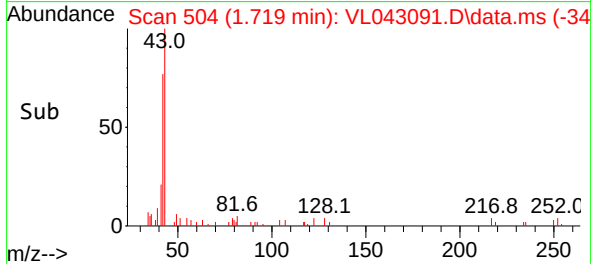
Instrument :
MSVOA_L
ClientSampleId :
SV5



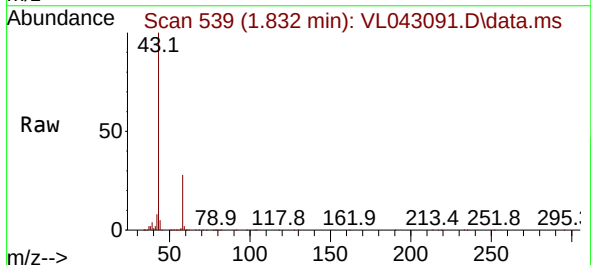
Tgt Ion: 45 Resp: 1714
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4

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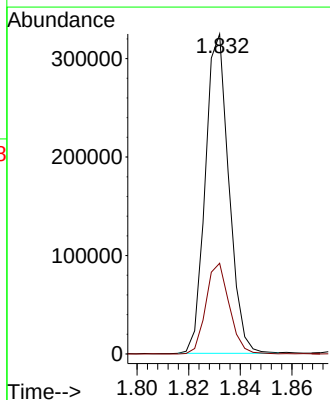
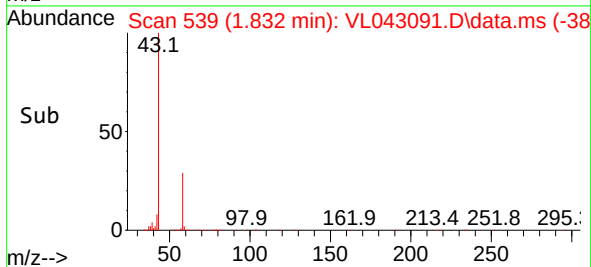
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

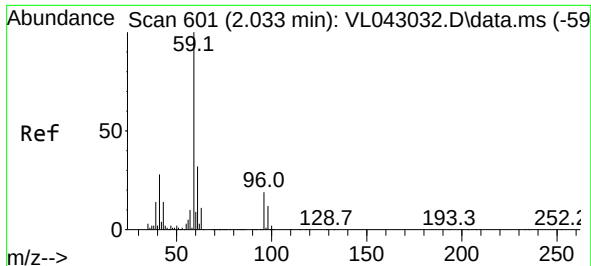


#15
Acetone
Concen: 7.667 ppbv
RT: 1.832 min Scan# 539
Delta R.T. 0.003 min
Lab File: VL043091.D
Acq: 09 Oct 2025 16:42



Tgt Ion: 43 Resp: 205395
Ion Ratio Lower Upper
43 100
58 28.4 22.2 33.4





#17

tert-Butyl alcohol

Concen: 0.193 ppbv

RT: 2.039 min Scan# 601

Delta R.T. 0.006 min

Lab File: VL043091.D

Acq: 09 Oct 2025 16:42

Instrument :

MSVOA_L

ClientSampleId :

SV5

Tgt Ion: 59 Resp: 5469

Ion Ratio Lower Upper

59 100

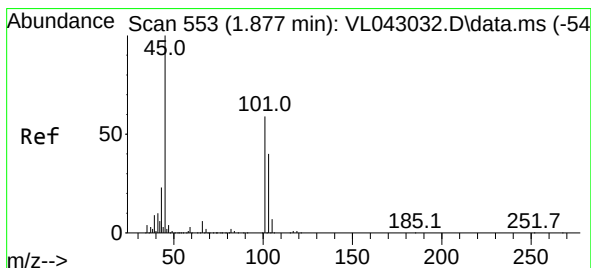
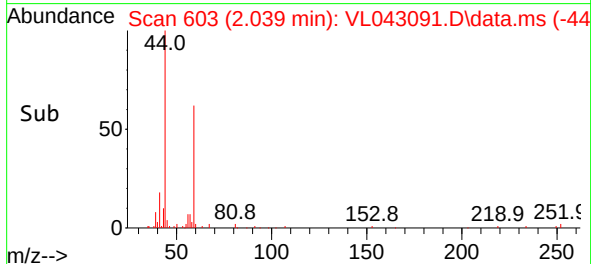
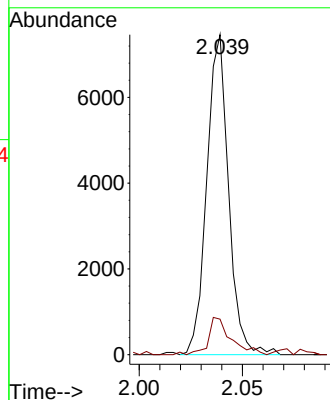
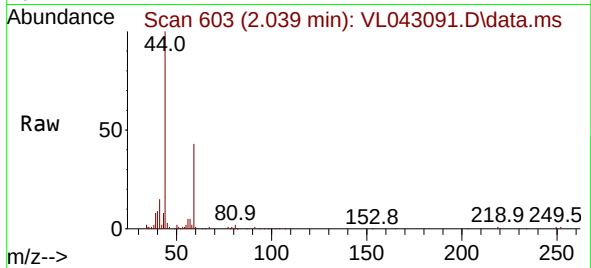
57 14.6 8.5 12.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#19

Isopropyl Alcohol

Concen: 2.940 ppbv

RT: 1.881 min Scan# 554

Delta R.T. 0.003 min

Lab File: VL043091.D

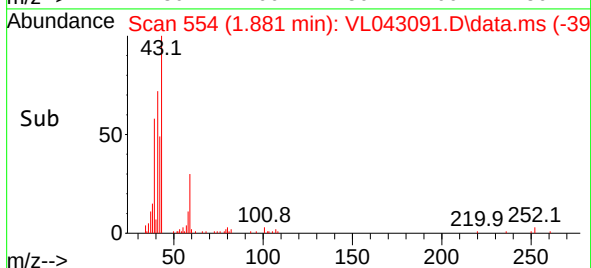
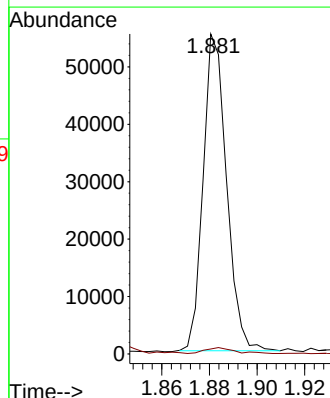
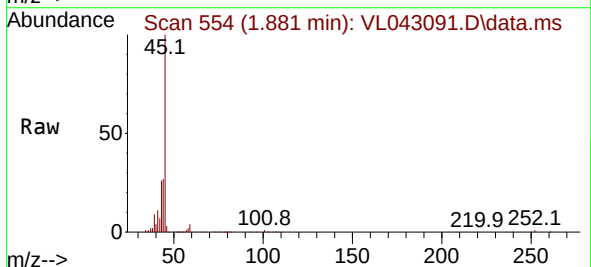
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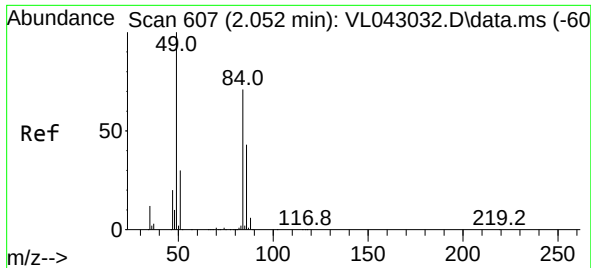
Tgt Ion: 45 Resp: 37731

Ion Ratio Lower Upper

45 100

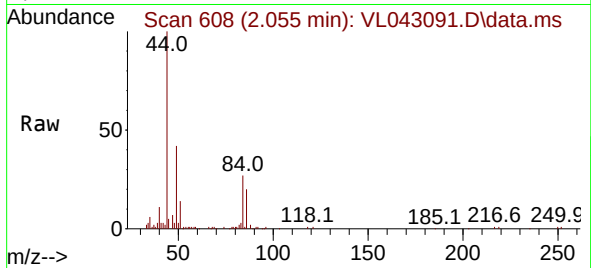
58 154.8 42.3 63.5





#20
Methylene Chloride
Concen: 0.281 ppbv
RT: 2.055 min Scan# 607
Delta R.T. 0.003 min
Lab File: VL043091.D
Acq: 09 Oct 2025 16:42

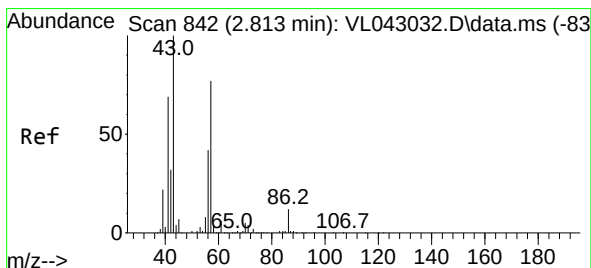
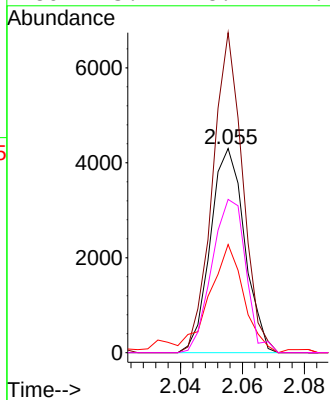
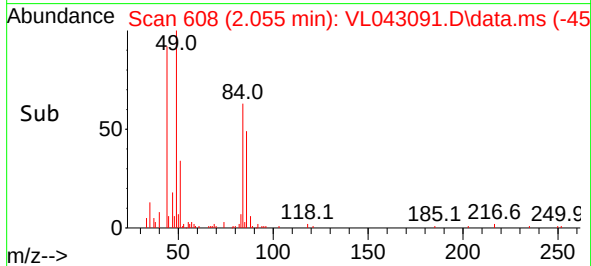
Instrument :
MSVOA_L
ClientSampleId :
SV5



Tgt Ion: 84 Resp: 3291
Ion Ratio Lower Upper
84 100
49 156.7 112.5 168.7
51 53.0 34.2 51.2
86 75.1 48.4 72.6#

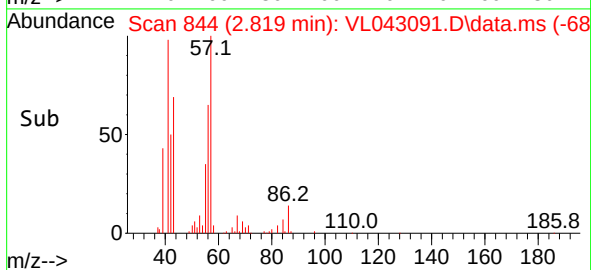
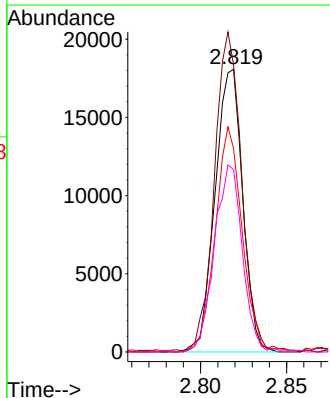
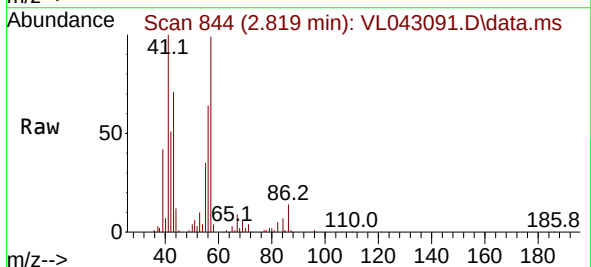
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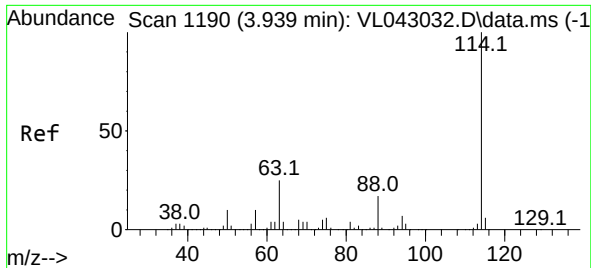
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#26
Hexane
Concen: 0.781 ppbv
RT: 2.819 min Scan# 844
Delta R.T. 0.006 min
Lab File: VL043091.D
Acq: 09 Oct 2025 16:42

Tgt Ion: 57 Resp: 20181
Ion Ratio Lower Upper
57 100
41 111.9 76.1 114.1
43 78.5 201.4 302.0#
56 67.5 44.0 66.0#





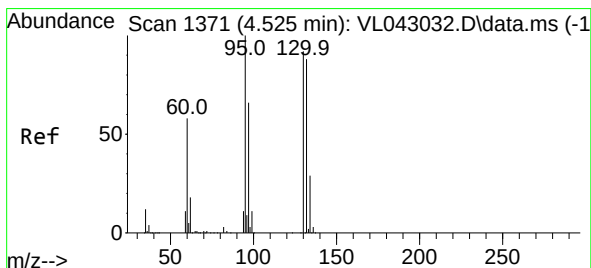
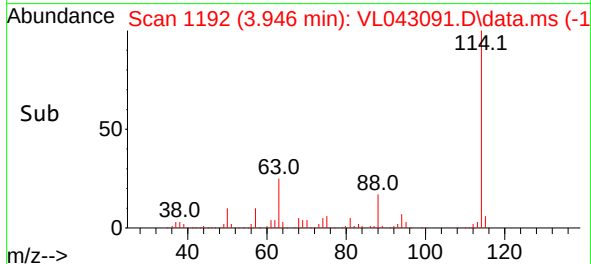
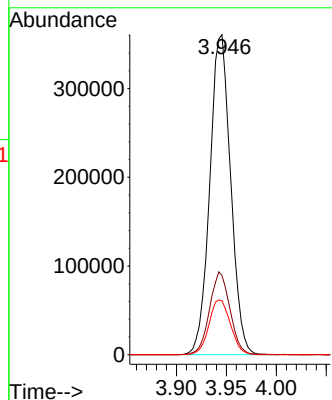
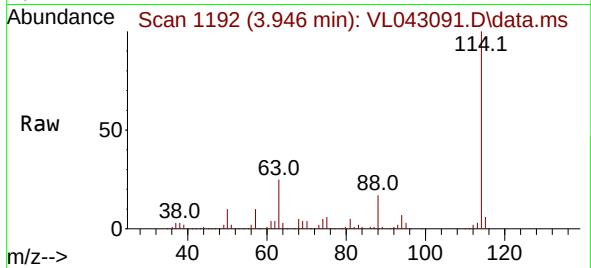
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 1190
Delta R.T. 0.006 min
Lab File: VL043091.D
Acq: 09 Oct 2025 16:42

Instrument :
MSVOA_L
ClientSampleId :
SV5

Tgt Ion:114 Resp: 524109
Ion Ratio Lower Upper
114 100
63 25.4 19.4 29.2
88 17.6 13.9 20.9

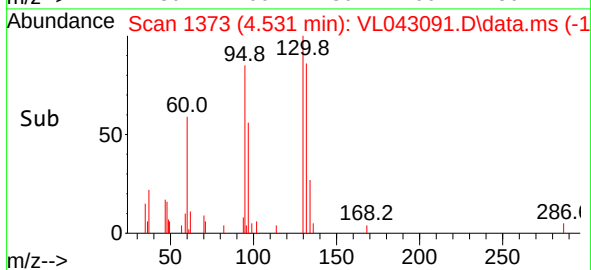
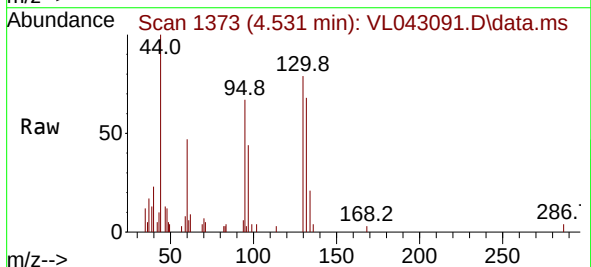
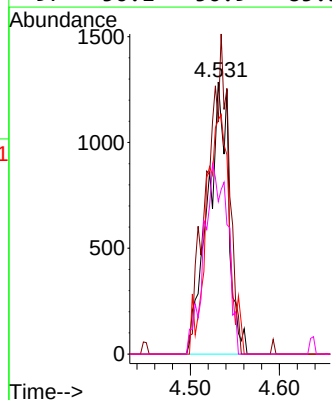
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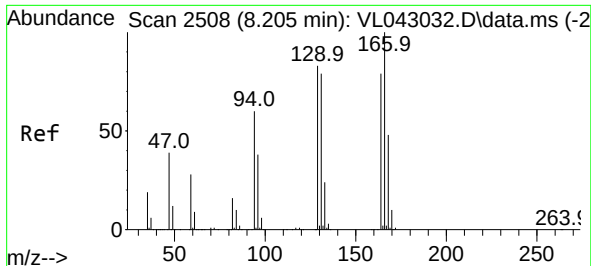
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#38
Trichloroethene
Concen: 0.101 ppbv m
RT: 4.531 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VL043091.D
Acq: 09 Oct 2025 16:42

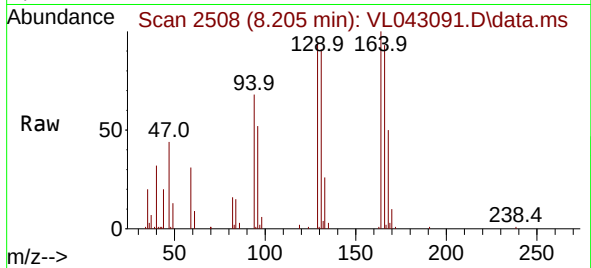
Tgt Ion:130 Resp: 2116
Ion Ratio Lower Upper
130 100
95 85.2 86.4 129.6#
132 86.1 75.7 113.5
97 56.1 56.9 85.3#





#52
Tetrachloroethene
Concen: 0.614 ppbv
RT: 8.205 min Scan# 2109
Delta R.T. -0.000 min
Lab File: VL043091.D
Acq: 09 Oct 2025 16:42

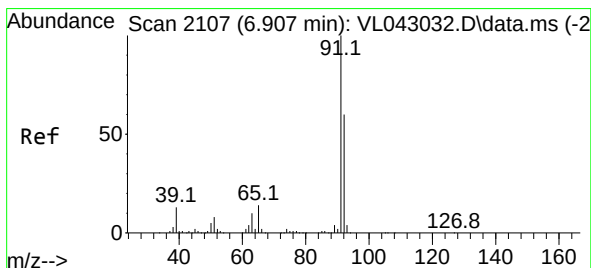
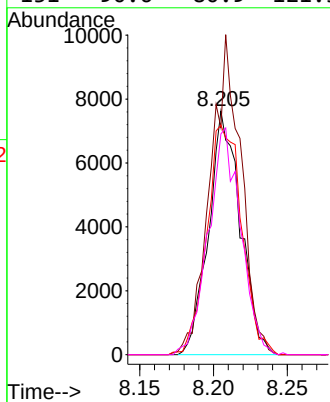
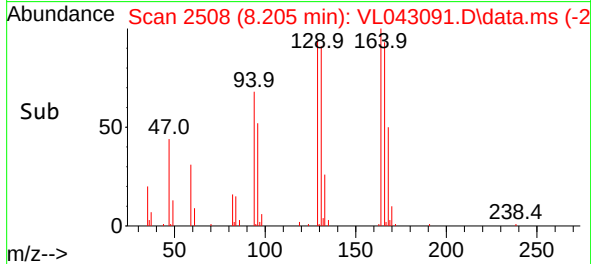
Instrument :
MSVOA_L
ClientSampleId :
SV5



Tgt Ion:164 Resp: 11379
Ion Ratio Lower Upper
164 100
166 93.2 101.8 152.8
129 94.3 84.5 126.7
131 90.6 80.9 121.3

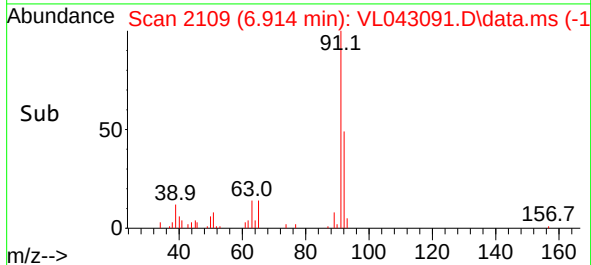
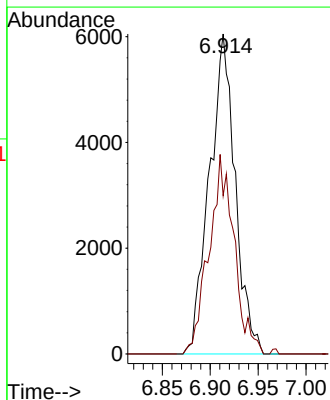
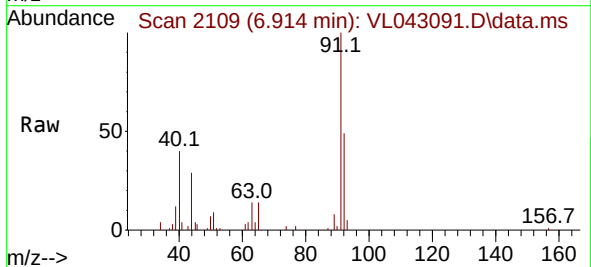
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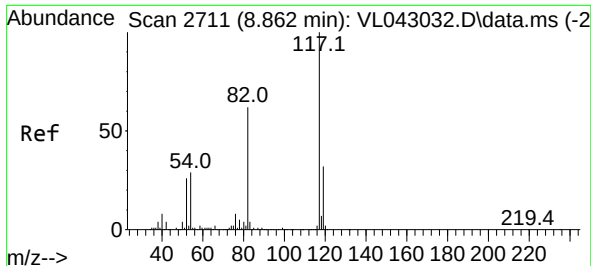
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#53
Toluene
Concen: 0.224 ppbv m
RT: 6.914 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VL043091.D
Acq: 09 Oct 2025 16:42

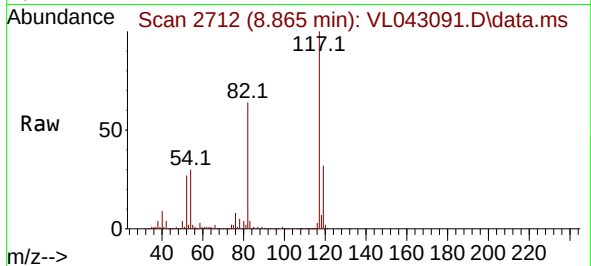
Tgt Ion: 91 Resp: 11315
Ion Ratio Lower Upper
91 100
92 61.0 47.8 71.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 2711
Delta R.T. 0.003 min
Lab File: VL043091.D
Acq: 09 Oct 2025 16:42

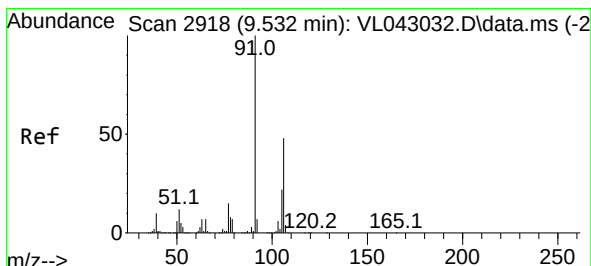
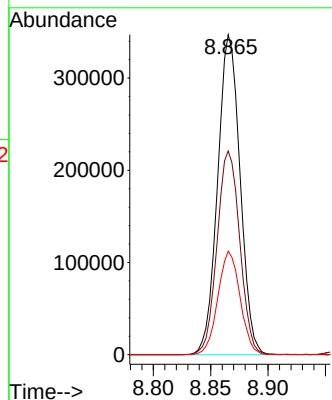
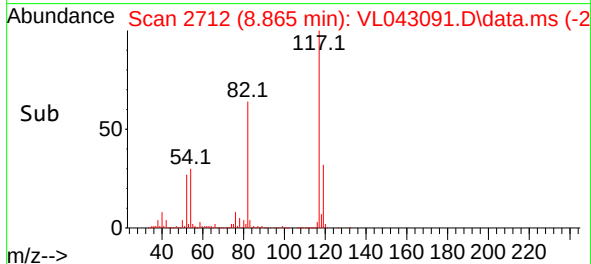
Instrument :
MSVOA_L
ClientSampleId :
SV5



Tgt Ion: 117 Resp: 472709
Ion Ratio Lower Upper
117 100
82 64.3 53.0 79.6
119 32.0 25.4 38.2

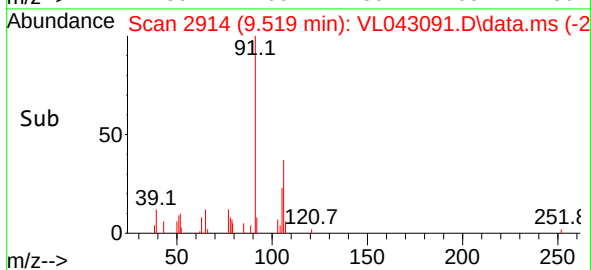
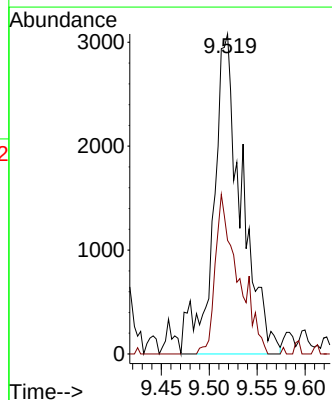
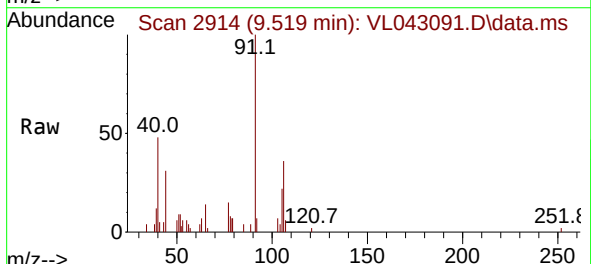
Manual Integrations
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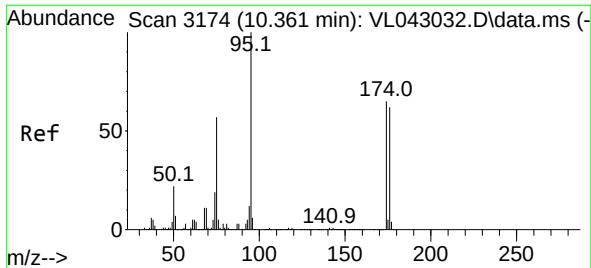
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#59
m/p-Xylene
Concen: 0.102 ppbv m
RT: 9.519 min Scan# 2914
Delta R.T. -0.013 min
Lab File: VL043091.D
Acq: 09 Oct 2025 16:42

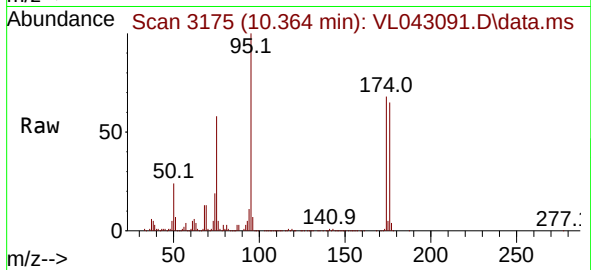
Tgt Ion: 91 Resp: 6314
Ion Ratio Lower Upper
91 100
106 0.0 37.5 56.3#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.385 ppbv
 RT: 10.364 min Scan# 3174
 Delta R.T. 0.003 min
 Lab File: VL043091.D
 Acq: 09 Oct 2025 16:42

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5



Tgt Ion: 95 Resp: 387710
 Ion Ratio Lower Upper
 95 100
 174 66.1 52.3 78.5
 175 4.7 3.8 5.8

Manual Integrations
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 Supervised By :Mahesh Dadoda 10/10/2025

