

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
 Data File : VL043250.D
 Acq On : 19 Nov 2025 21:33
 Operator : SY/MD
 Sample : Q3626-04DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 9B-SG-2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025

Quant Time: Nov 20 00:11:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

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

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	98441	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	273742	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	208879	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.368	95	151610	9.902	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	1486	0.107	ppbv	94
4) Chloromethane	1.532	50	14812	2.853	ppbv	90
5) Vinyl Chloride	1.577	62	716	0.126	ppbv	91
7) Chloroethane	1.700	64	1033	0.467	ppbv	89
9) Propene	1.483	41	4846	0.836	ppbv #	1
13) Ethanol	1.719	45	27356	13.417	ppbv	100
15) Acetone	1.833	43	118326	8.652	ppbv	100
16) 1,3-Butadiene	1.603	39	6947	1.139	ppbv #	53
19) Isopropyl Alcohol	1.884	45	19406	2.511	ppbv #	1
20) Methylene Chloride	2.059	84	4144	0.264	ppbv #	86
26) Hexane	2.820	57	4464	0.345	ppbv #	39
27) Carbon Disulfide	2.147	76	3921	0.297	ppbv #	1
34) 2-Butanone	2.554	43	7858	0.407	ppbv	98
36) Benzene	3.648	78	53179	2.029	ppbv	98
53) Toluene	6.914	91	5730m	0.185	ppbv	

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

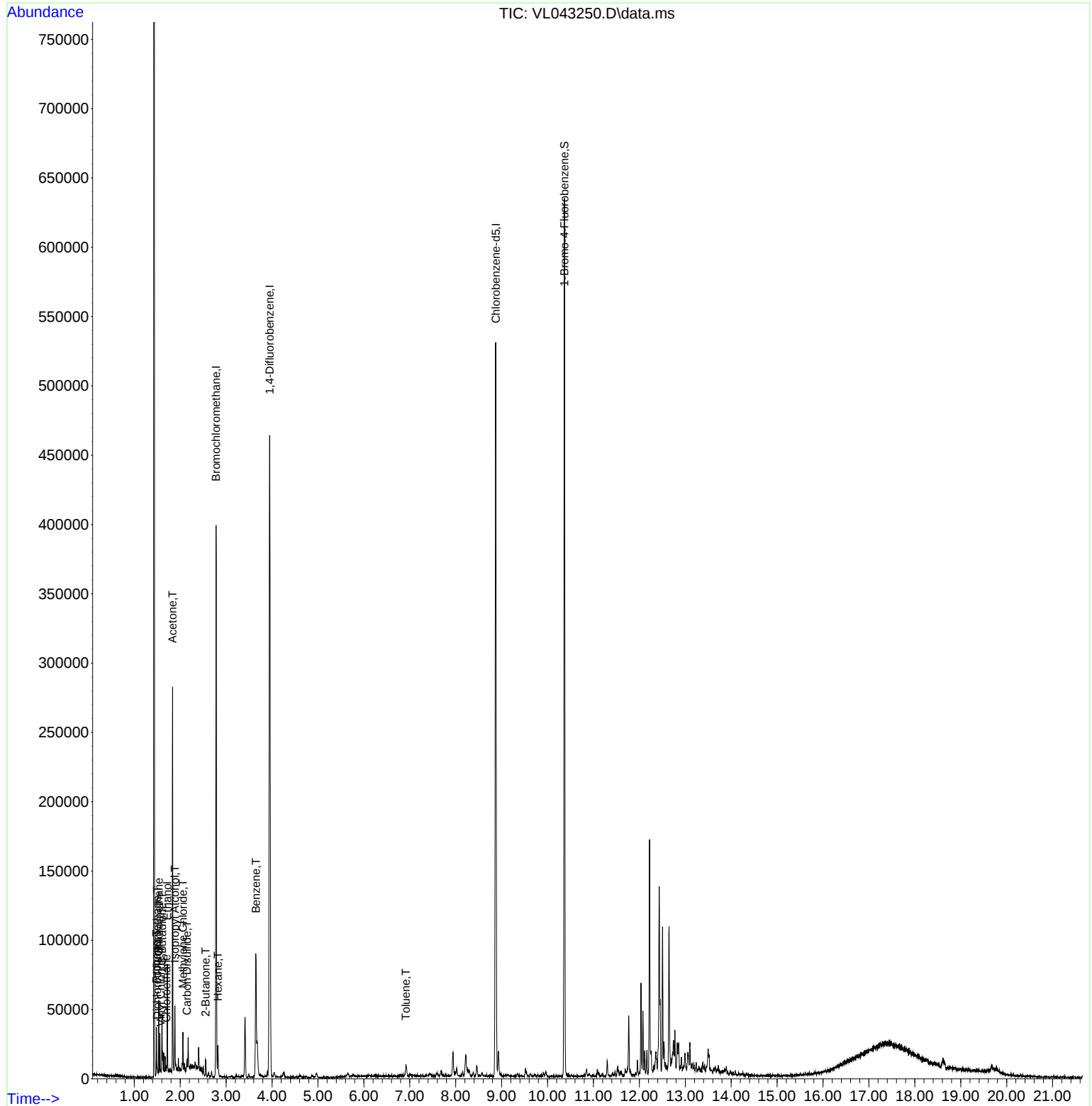
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
Data File : VL043250.D
Acq On : 19 Nov 2025 21:33
Operator : SY/MD
Sample : Q3626-04DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

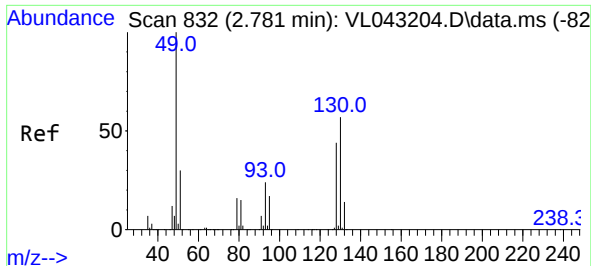
Instrument :
MSVOA_L
ClientSampleId :
9B-SG-2DL

Quant Time: Nov 20 00:11:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.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

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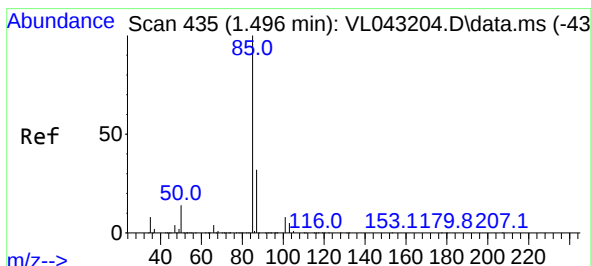
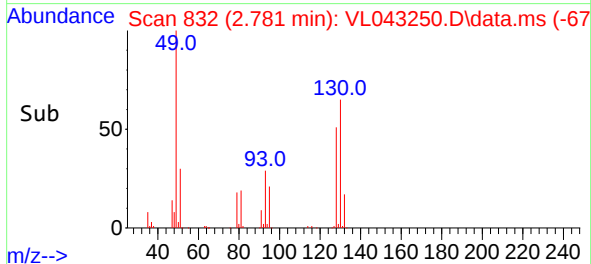
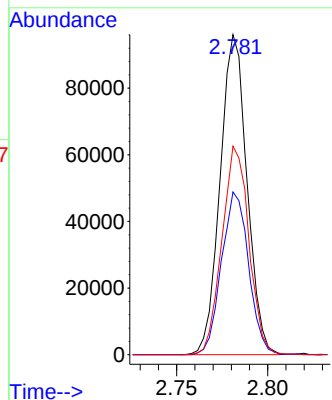
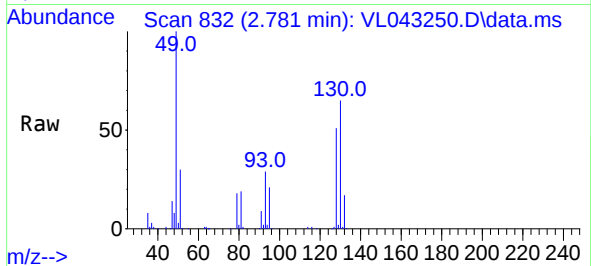
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33

Instrument :
MSVOA_L
ClientSampleId :
9B-SG-2DL

Tgt Ion: 49 Resp: 9844
Ion Ratio Lower Upper
49 100
128 51.5 23.0 69.0
130 65.5 29.9 89.7

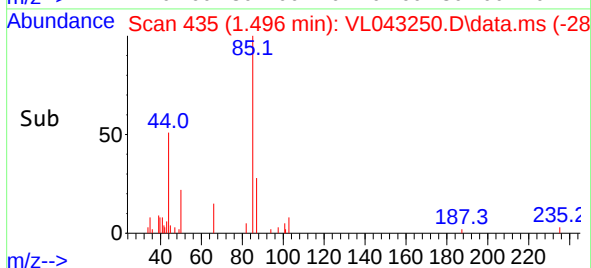
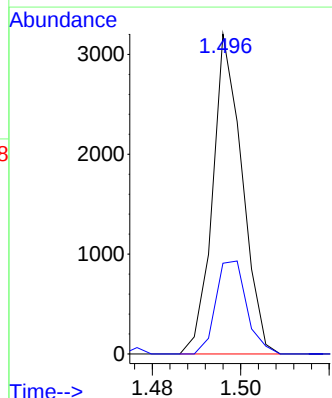
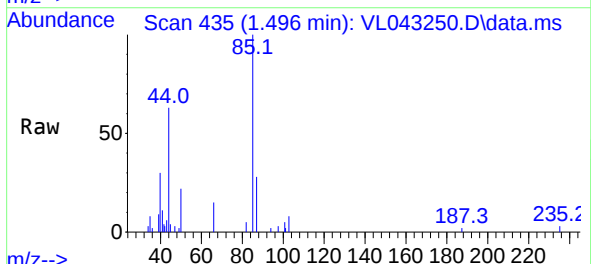
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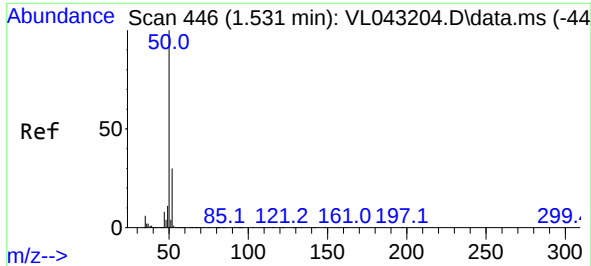
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#2
Dichlorodifluoromethane
Concen: 0.107 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33

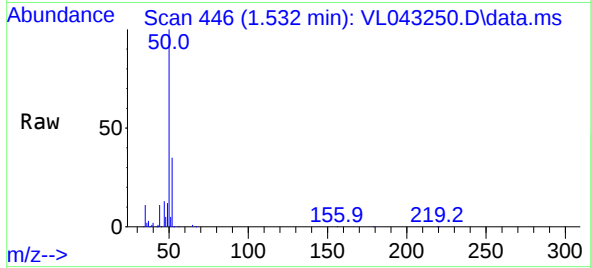
Tgt Ion: 85 Resp: 1486
Ion Ratio Lower Upper
85 100
87 28.3 25.4 38.2





#4
Chloromethane
Concen: 2.853 ppbv
RT: 1.532 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33

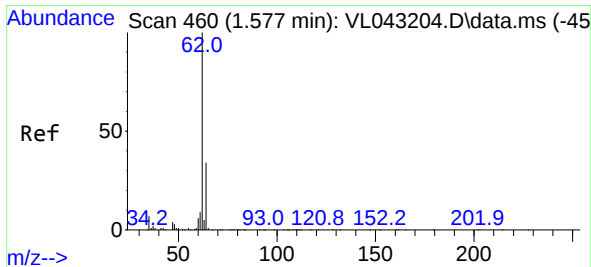
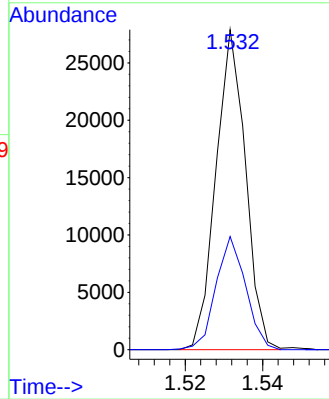
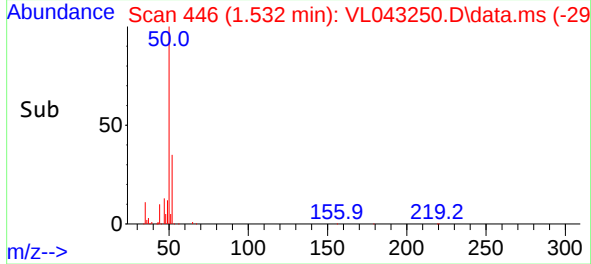
Instrument :
MSVOA_L
ClientSampleId :
9B-SG-2DL



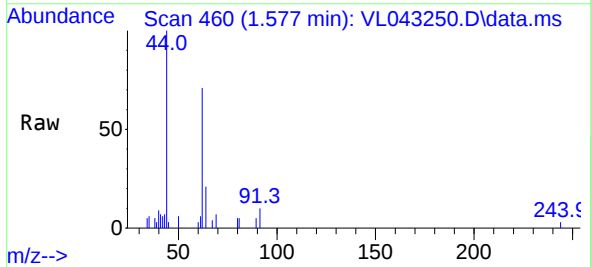
Tgt Ion: 50 Resp: 1481
Ion Ratio Lower Upper
50 100
52 35.3 24.1 36.1

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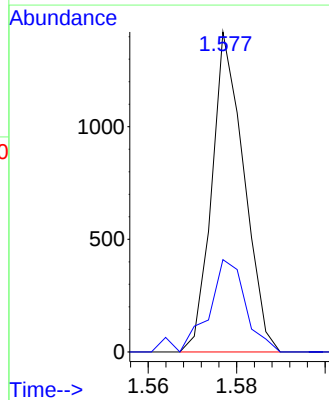
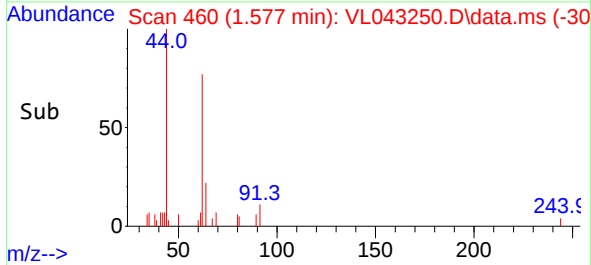
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Supervised By :Mahesh Dadoda 11/21/2025

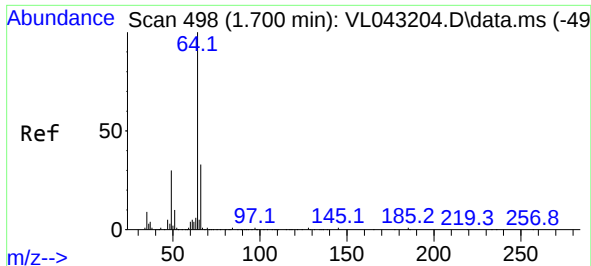


#5
Vinyl Chloride
Concen: 0.126 ppbv
RT: 1.577 min Scan# 460
Delta R.T. 0.000 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33



Tgt Ion: 62 Resp: 716
Ion Ratio Lower Upper
62 100
64 28.9 27.3 40.9





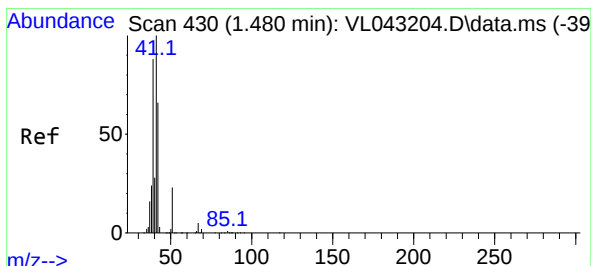
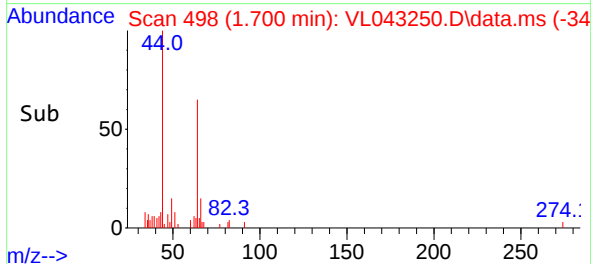
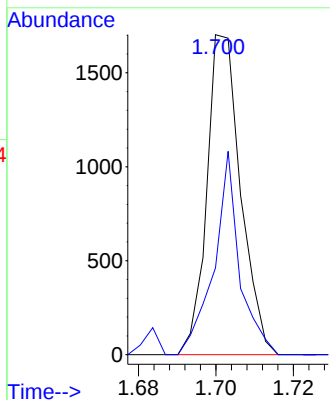
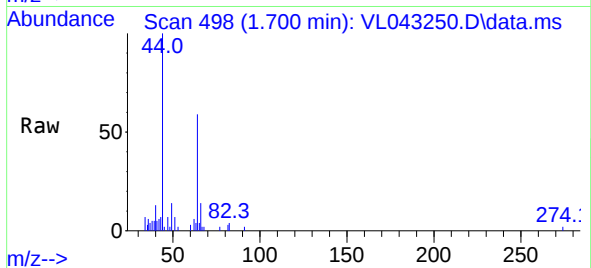
#7
Chloroethane
Concen: 0.467 ppbv
RT: 1.700 min Scan# 498
Delta R.T. 0.000 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33

Instrument :
MSVOA_L
ClientSampleId :
9B-SG-2DL

Tgt Ion: 64 Resp: 103
Ion Ratio Lower Upper
64 100
66 27.1 26.8 40.2

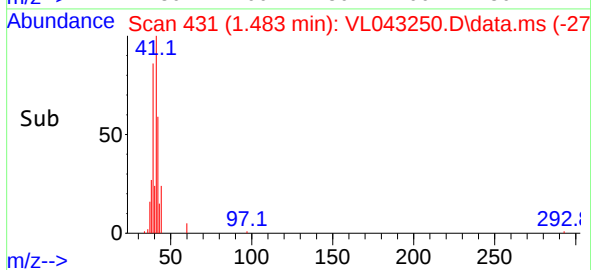
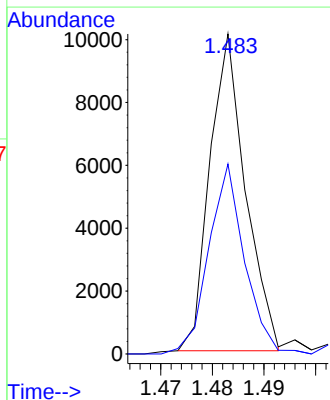
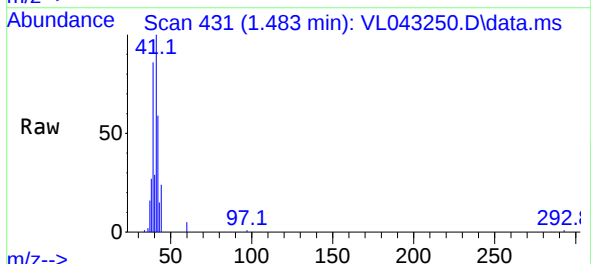
Manual Integrations
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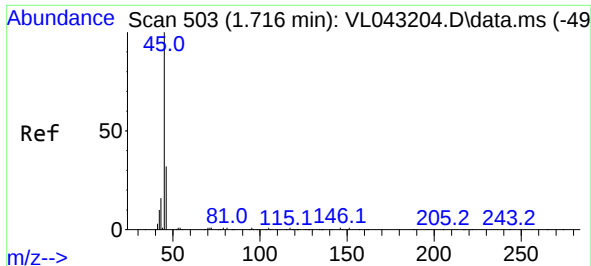
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#9
Propene
Concen: 0.836 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33

Tgt Ion: 41 Resp: 4846
Ion Ratio Lower Upper
41 100
42 63.9 3.7 5.5#





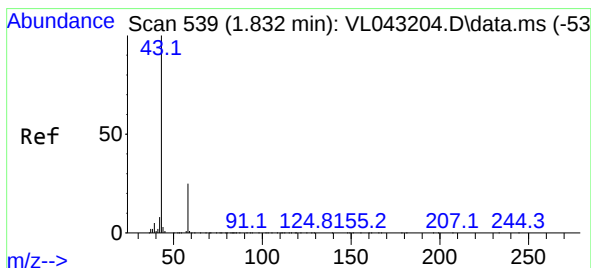
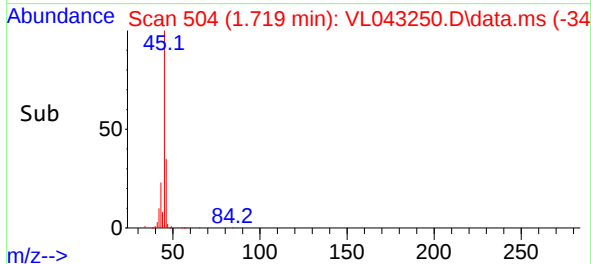
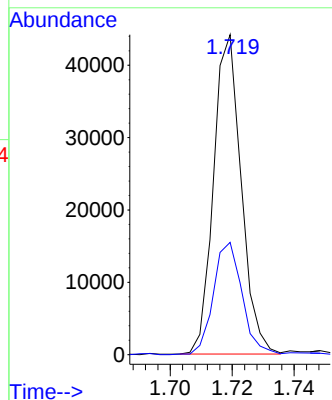
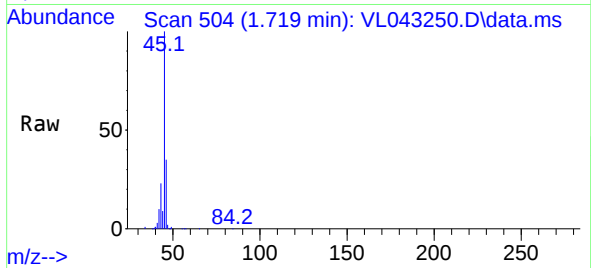
#13
Ethanol
Concen: 13.417 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33

Instrument :
MSVOA_L
ClientSampleId :
9B-SG-2DL

Tgt Ion: 45 Resp: 27350
Ion Ratio Lower Upper
45 100
46 37.6 15.0 59.8

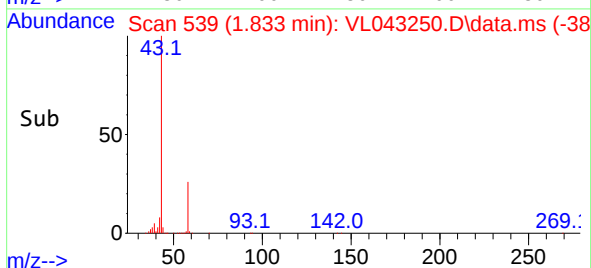
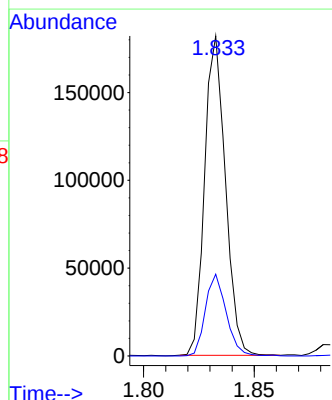
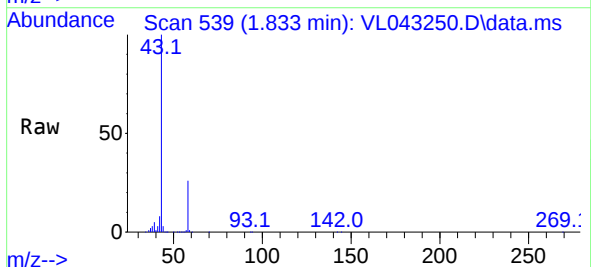
Manual Integrations
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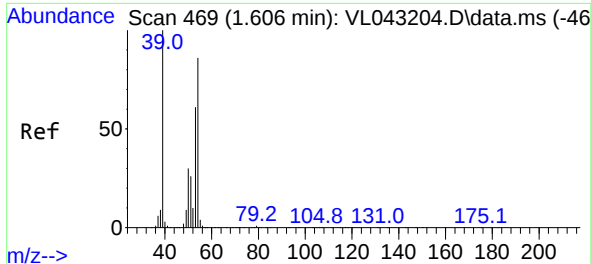
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#15
Acetone
Concen: 8.652 ppbv
RT: 1.833 min Scan# 539
Delta R.T. 0.000 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33

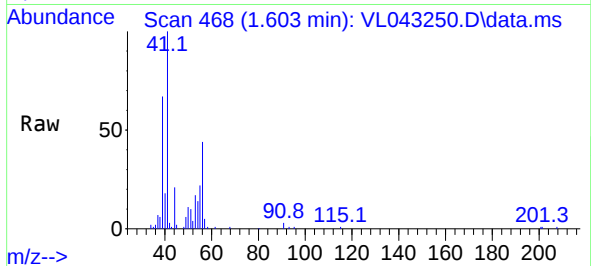
Tgt Ion: 43 Resp: 118326
Ion Ratio Lower Upper
43 100
58 25.8 20.7 31.1





#16
1,3-Butadiene
Concen: 1.139 ppbv
RT: 1.603 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33

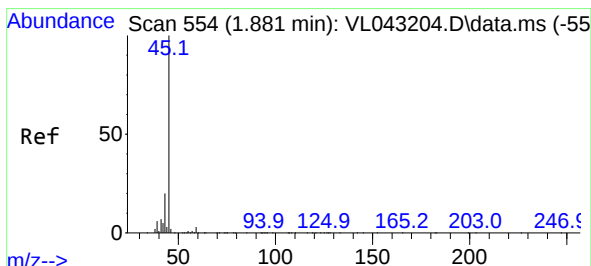
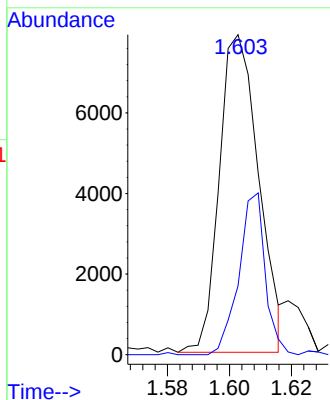
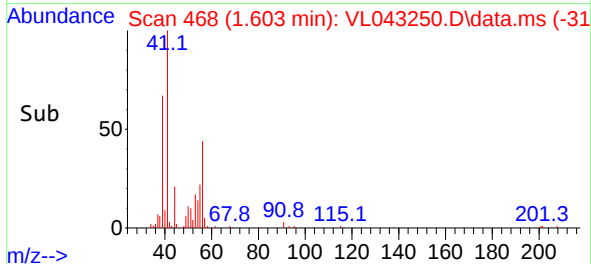
Instrument :
MSVOA_L
ClientSampleId :
9B-SG-2DL



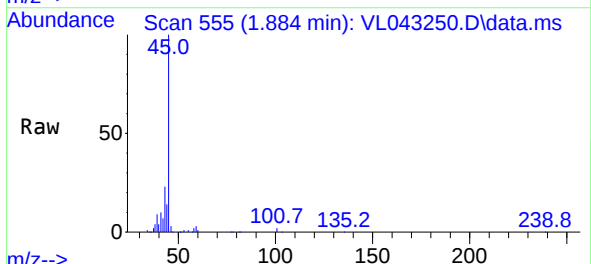
Tgt Ion: 39 Resp: 6947
Ion Ratio Lower Upper
39 100
54 34.8 59.4 89.2

Manual Integrations
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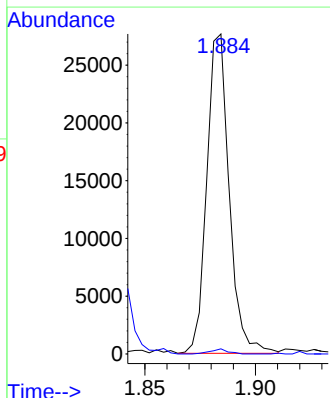
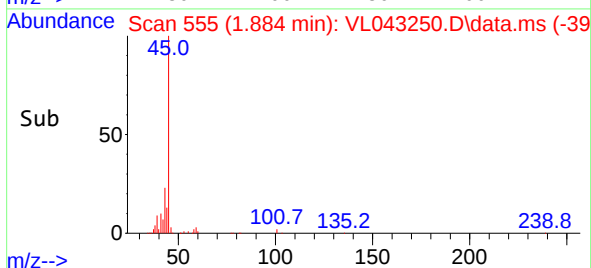
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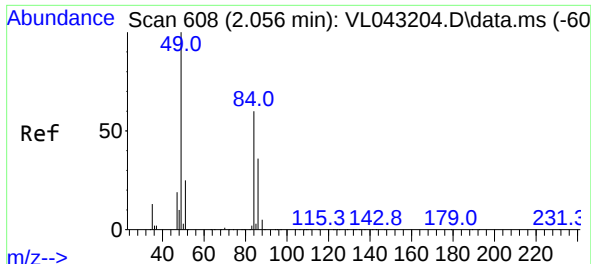


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Isopropyl Alcohol
Concen: 2.511 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33



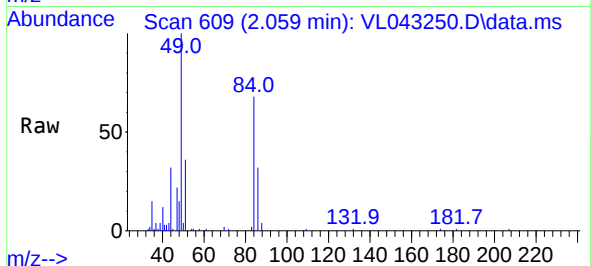
Tgt Ion: 45 Resp: 19406
Ion Ratio Lower Upper
45 100
58 157.1 31.3 46.9





#20
Methylene Chloride
Concen: 0.264 ppbv
RT: 2.059 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33

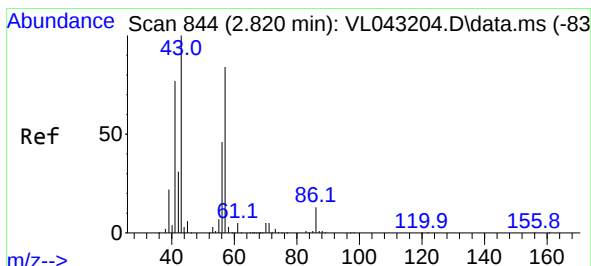
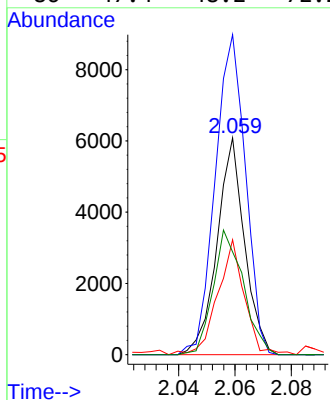
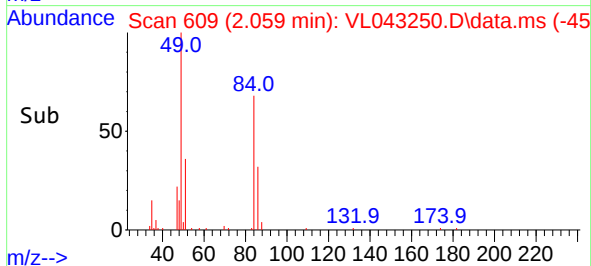
Instrument :
MSVOA_L
ClientSampleId :
9B-SG-2DL



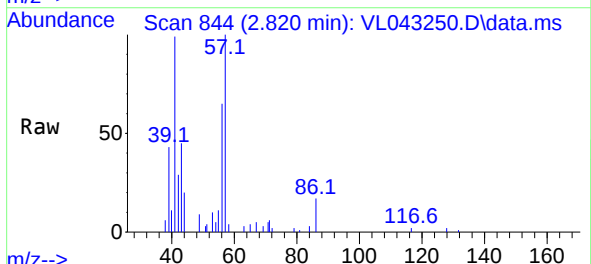
Tgt Ion: 84 Resp: 4144
Ion Ratio Lower Upper
84 100
49 147.6 132.9 199.3
51 51.9 34.8 52.2
86 47.4 48.2 72.2#

Manual Integrations
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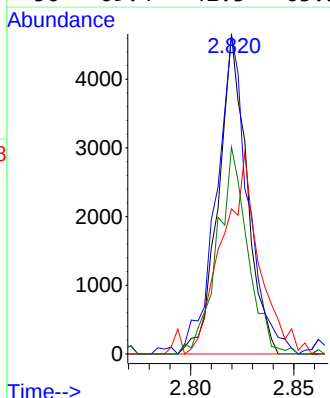
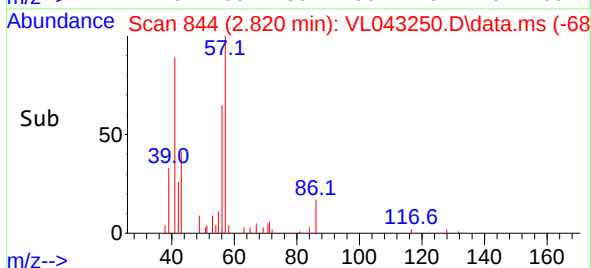
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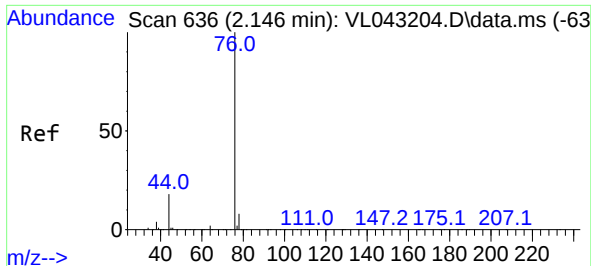


#26
Hexane
Concen: 0.345 ppbv
RT: 2.820 min Scan# 844
Delta R.T. 0.000 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33



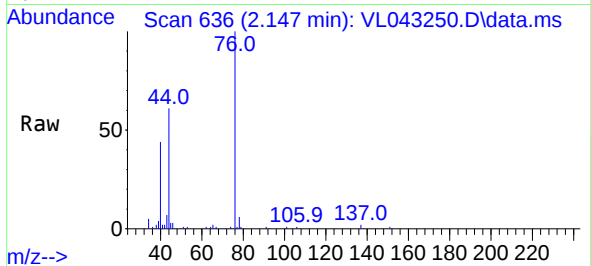
Tgt Ion: 57 Resp: 4464
Ion Ratio Lower Upper
57 100
41 112.3 74.6 111.8#
43 82.8 179.0 268.4#
56 69.4 42.3 63.5#





#27
Carbon Disulfide
Concen: 0.297 ppbv
RT: 2.147 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33

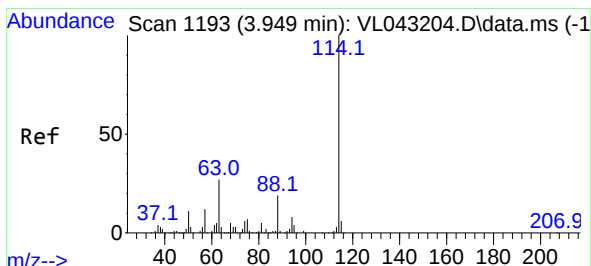
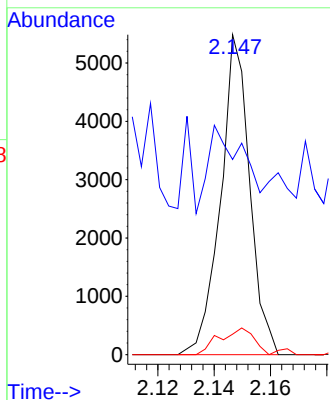
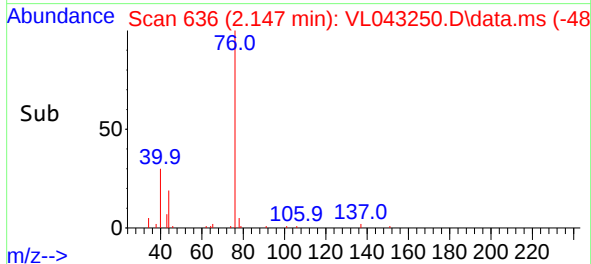
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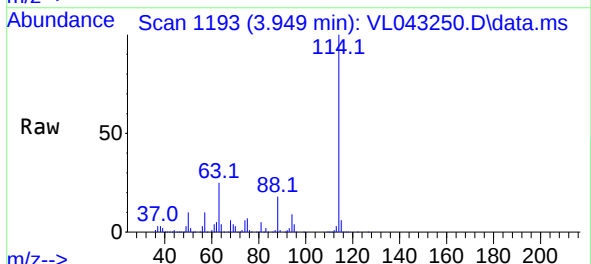
Tgt Ion: 76 Resp: 392
Ion Ratio Lower Upper
76 100
44 251.3 16.1 24.1
78 10.7 9.6 14.4

Manual Integrations
APPROVED

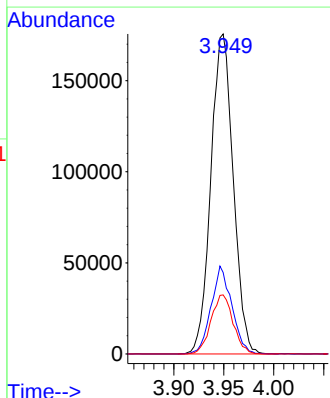
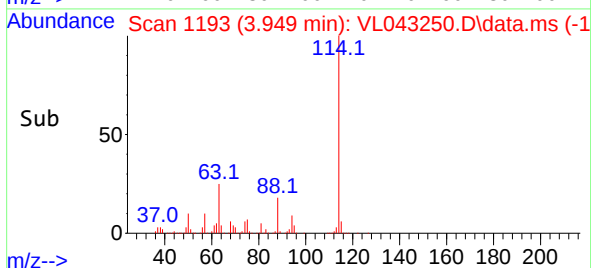
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Supervised By :Mahesh Dadoda 11/21/2025

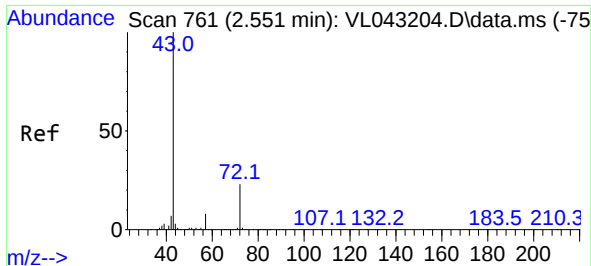


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33



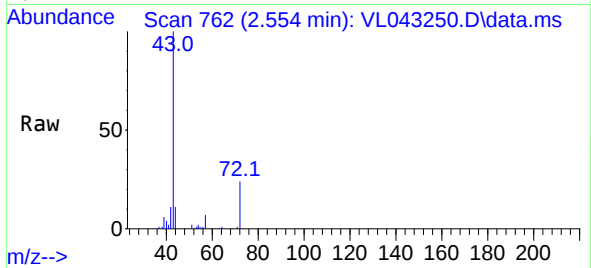
Tgt Ion:114 Resp: 273742
Ion Ratio Lower Upper
114 100
63 25.4 21.0 31.6
88 18.2 14.9 22.3





#34
2-Butanone
Concen: 0.407 ppbv
RT: 2.554 min Scan# 761
Delta R.T. 0.003 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33

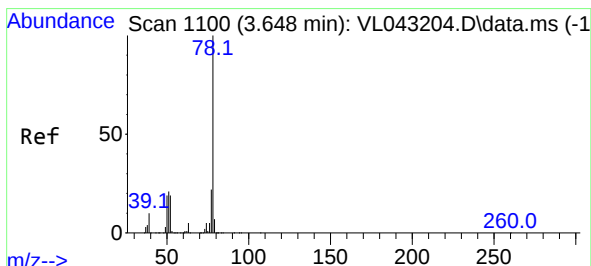
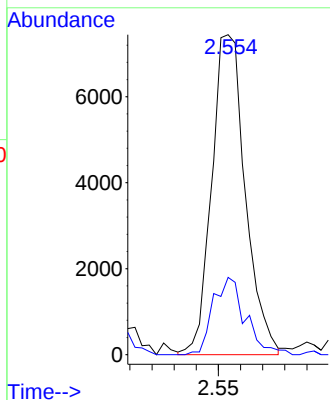
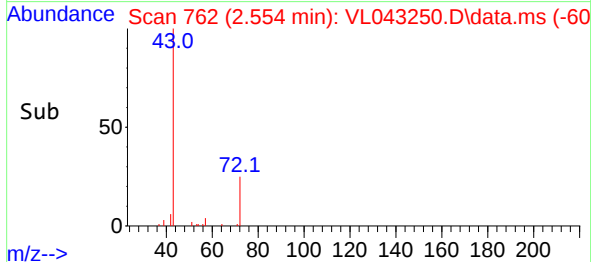
Instrument :
MSVOA_L
ClientSampleId :
9B-SG-2DL



Tgt Ion: 43 Resp: 7858
Ion Ratio Lower Upper
43 100
72 23.7 18.1 27.1

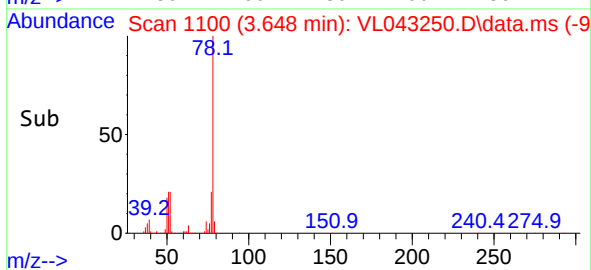
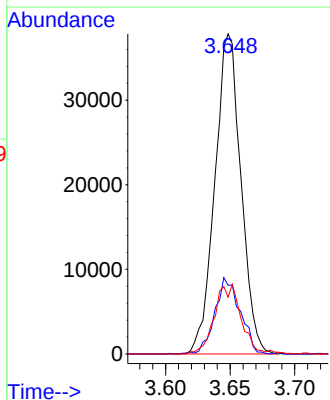
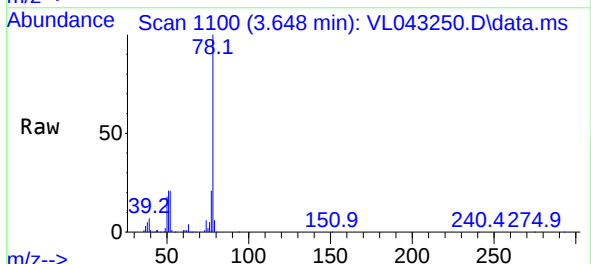
Manual Integrations
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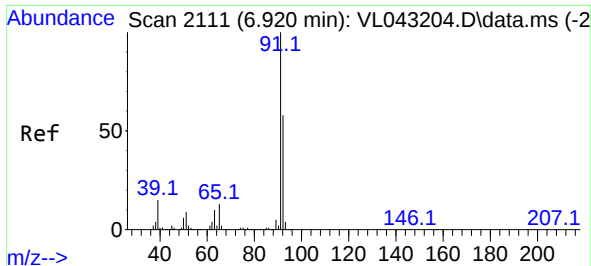
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#36
Benzene
Concen: 2.029 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33

Tgt Ion: 78 Resp: 53179
Ion Ratio Lower Upper
78 100
77 21.5 17.5 26.3
50 17.8 15.5 23.3





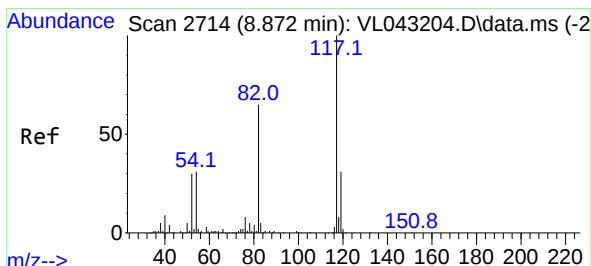
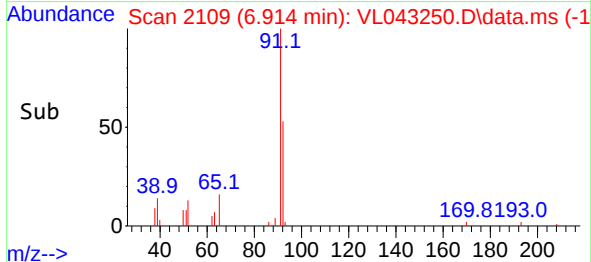
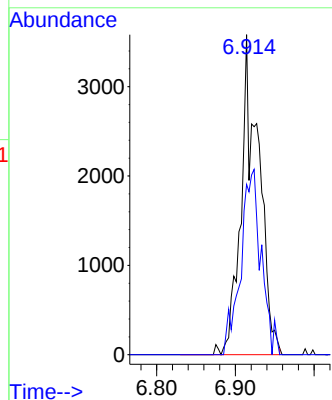
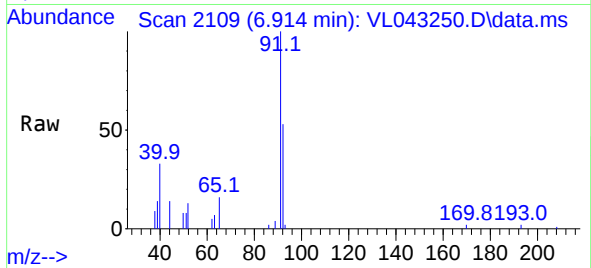
#53
Toluene
Concen: 0.185 ppbv m
RT: 6.914 min Scan# 2109
Delta R.T. -0.006 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33

Instrument :
MSVOA_L
ClientSampleId :
9B-SG-2DL

Tgt Ion: 91 Resp: 5730
Ion Ratio Lower Upper
91 100
92 65.6 47.4 71.0

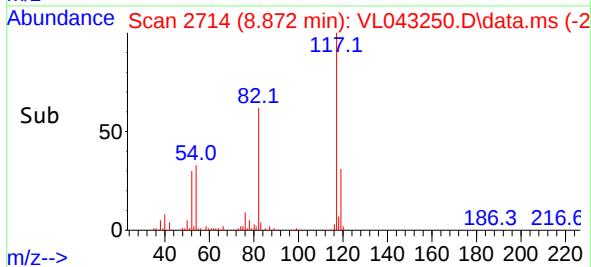
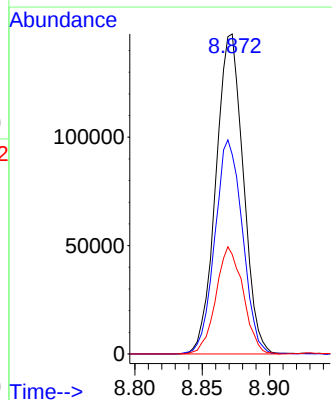
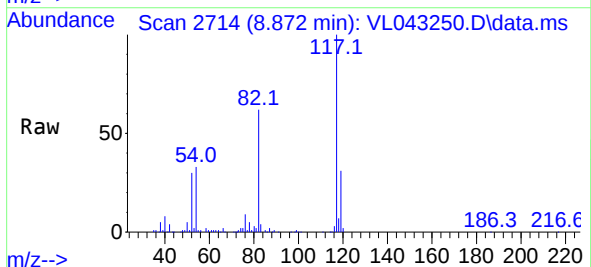
Manual Integrations
APPROVED

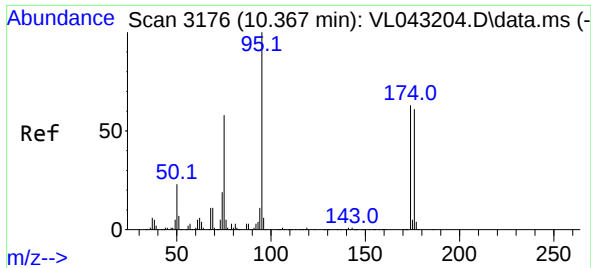
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. 0.000 min
Lab File: VL043250.D
Acq: 19 Nov 2025 21:33

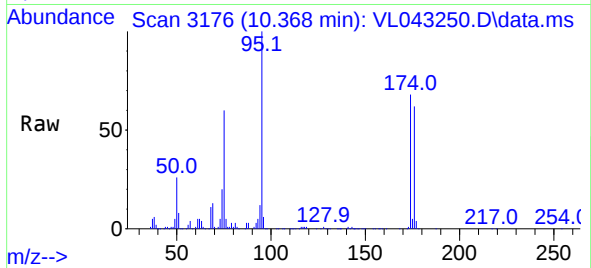
Tgt Ion:117 Resp: 208879
Ion Ratio Lower Upper
117 100
82 67.6 56.1 84.1
119 33.2 25.0 37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.902 ppbv
 RT: 10.368 min Scan# 3176
 Delta R.T. 0.000 min
 Lab File: VL043250.D
 Acq: 19 Nov 2025 21:33

Instrument :
 MSVOA_L
 ClientSampleId :
 9B-SG-2DL



Tgt Ion:	95	Resp:	151610
Ion	Ratio	Lower	Upper
95	100		
174	66.6	50.2	75.2
175	4.9	4.1	6.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025

