

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
 Data File : VL043271.D
 Acq On : 20 Nov 2025 18:38
 Operator : SY/MD
 Sample : Q3698-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

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

Quant Time: Nov 21 00:42:13 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

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

Internal Standards						
1) Bromochloromethane	2.787	49	106528	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	274528	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	211337	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	153411	9.903	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.499	85	7605	0.506	ppbv	99
3) Chlorodifluoromethane	1.476	51	3948m	0.267	ppbv	
4) Chloromethane	1.535	50	2676	0.476	ppbv	93
9) Propene	1.489	41	5019	0.800	ppbv #	1
11) Trichlorofluoromethane	1.878	101	3661	0.251	ppbv	93
13) Ethanol	1.722	45	11875	5.382	ppbv	97
15) Acetone	1.835	43	82758	5.592	ppbv	98
19) Isopropyl Alcohol	1.887	45	9524	1.139	ppbv #	1
20) Methylene Chloride	2.062	84	4541	0.278	ppbv	93
26) Hexane	2.823	57	2420	0.173	ppbv #	67
34) 2-Butanone	2.557	43	12254	0.632	ppbv	100
35) Carbon Tetrachloride	3.758	117	1414	0.068	ppbv #	78
36) Benzene	3.658	78	3460m	0.132	ppbv	
53) Toluene	6.927	91	6764m	0.217	ppbv	
59) m/p-Xylene	9.529	91	8465m	0.260	ppbv	

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

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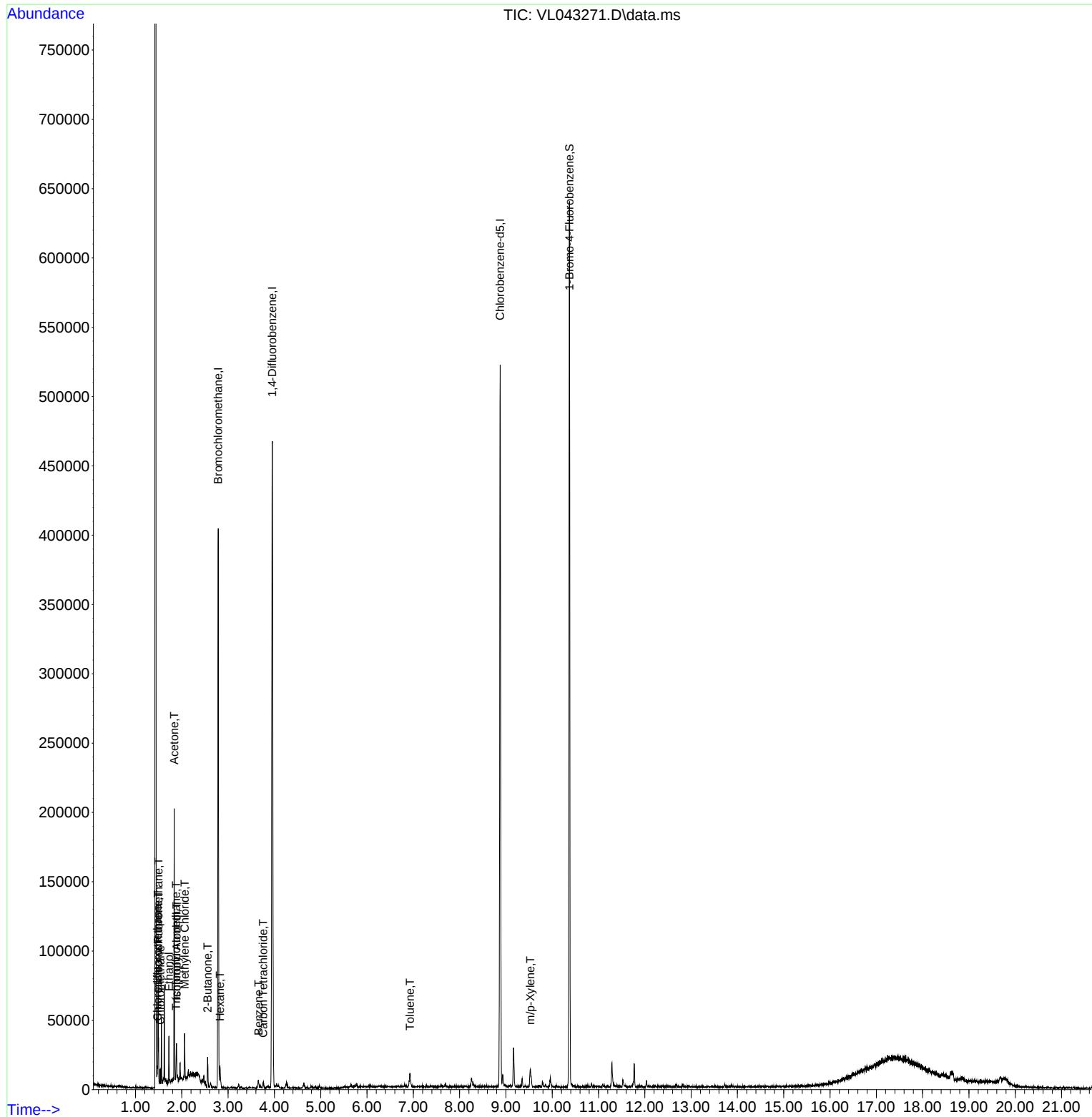
Quant Time: Nov 21 00:42:13 2025

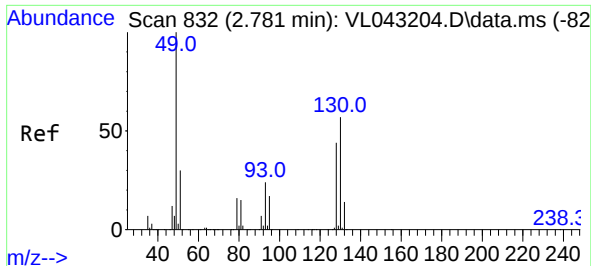
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M

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





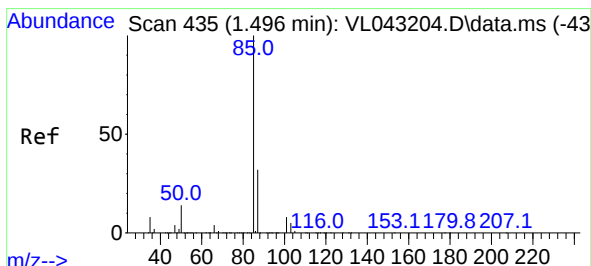
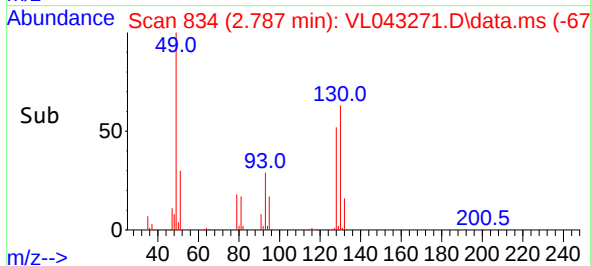
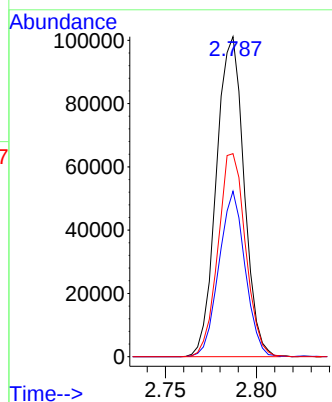
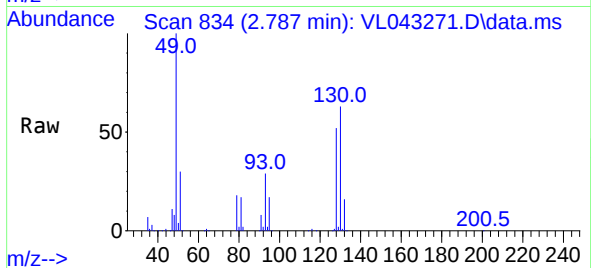
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 106528
Ion Ratio Lower Upper
49 100
128 49.0 23.0 69.0
130 63.4 29.9 89.7

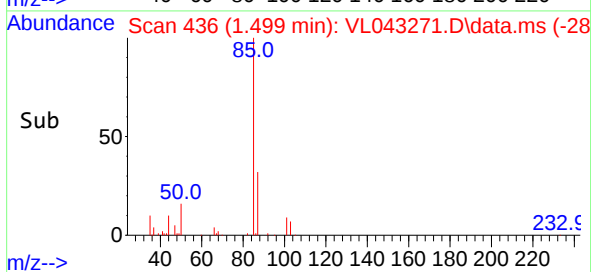
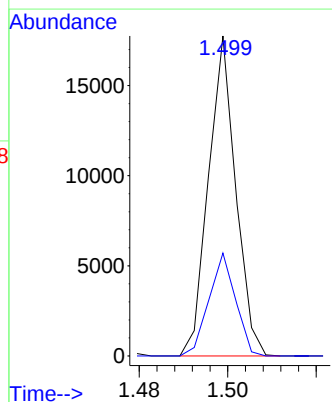
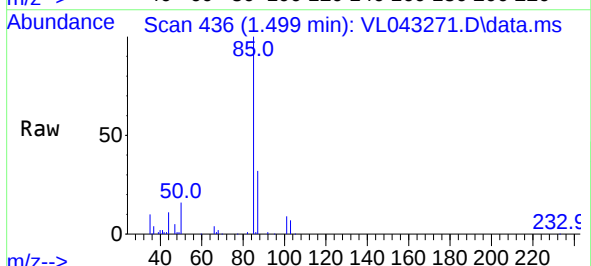
Manual Integrations
APPROVED

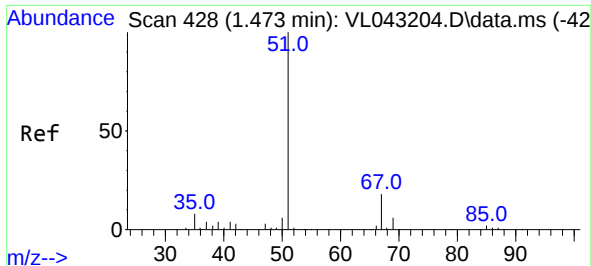
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#2
Dichlorodifluoromethane
Concen: 0.506 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38

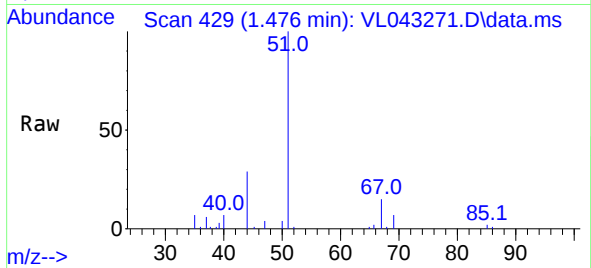
Tgt Ion: 85 Resp: 7605
Ion Ratio Lower Upper
85 100
87 32.2 25.4 38.2





#3
Chlorodifluoromethane
Concen: 0.267 ppbv m
RT: 1.476 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38

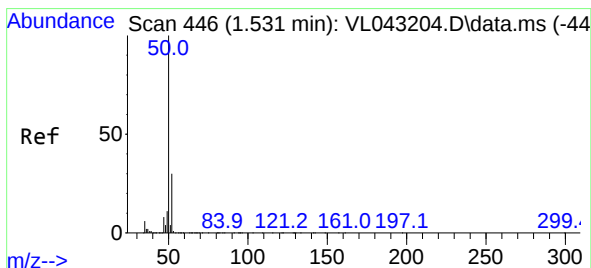
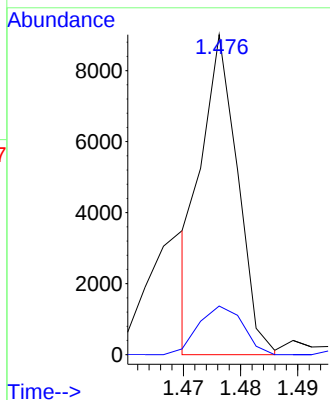
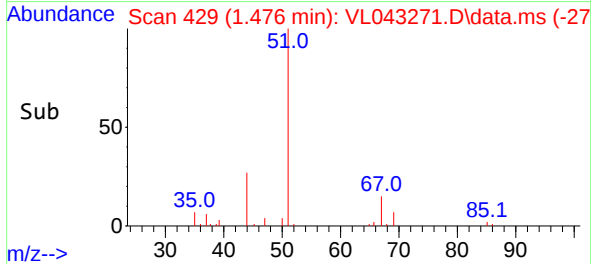
Instrument :
MSVOA_L
ClientSampleId :
OA1



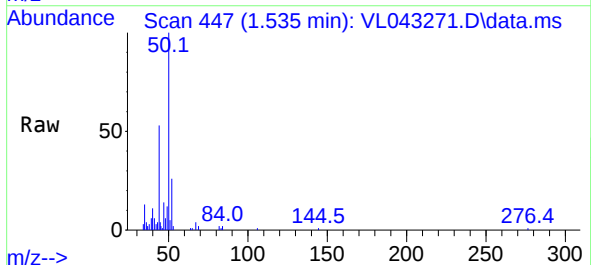
Tgt Ion: 51 Resp: 3948
Ion Ratio Lower Upper
51 100
67 20.4 14.9 22.3

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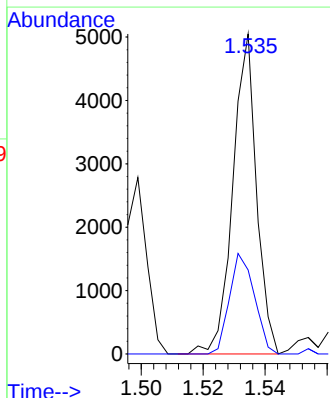
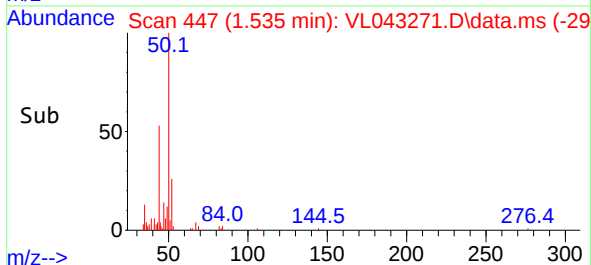
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

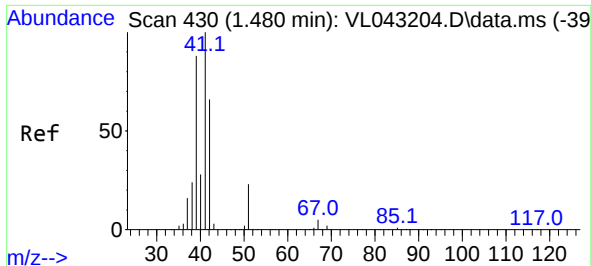


#4
Chloromethane
Concen: 0.476 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38



Tgt Ion: 50 Resp: 2676
Ion Ratio Lower Upper
50 100
52 26.3 24.1 36.1





#9

Propene

Concen: 0.800 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL043271.D

Acq: 20 Nov 2025 18:38

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 41 Resp: 5019

Ion Ratio Lower Upper

41 100

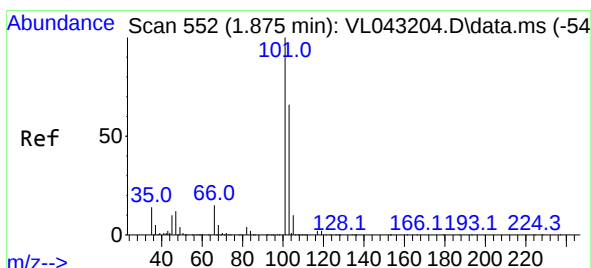
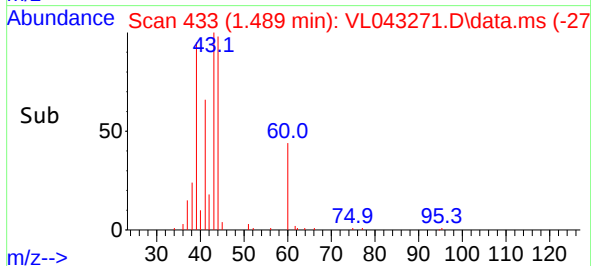
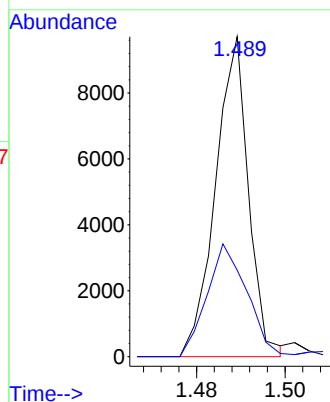
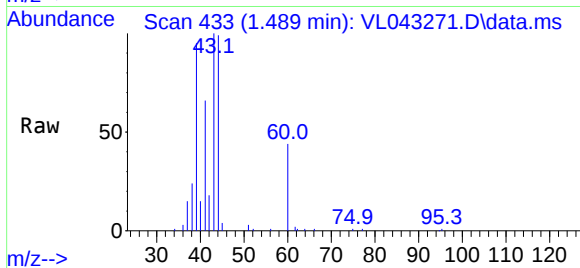
42 44.8 3.7 5.5

Manual Integrations

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#11

Trichlorofluoromethane

Concen: 0.251 ppbv

RT: 1.878 min Scan# 553

Delta R.T. 0.003 min

Lab File: VL043271.D

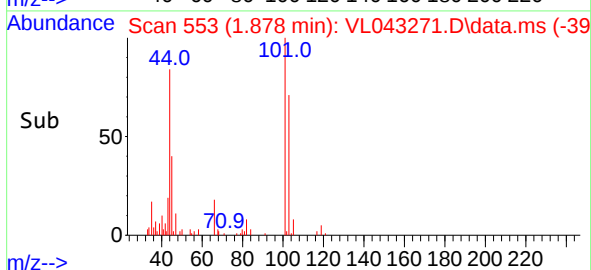
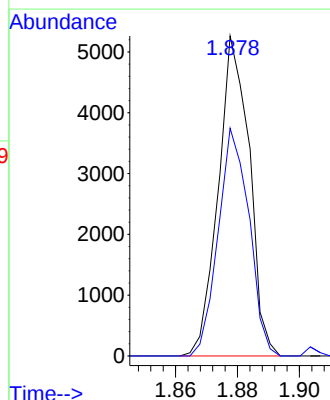
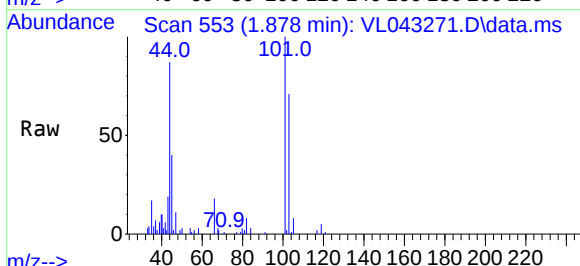
Acq: 20 Nov 2025 18:38

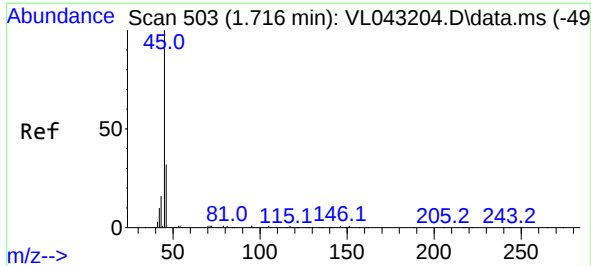
Tgt Ion:101 Resp: 3661

Ion Ratio Lower Upper

101 100

103 71.2 52.6 79.0





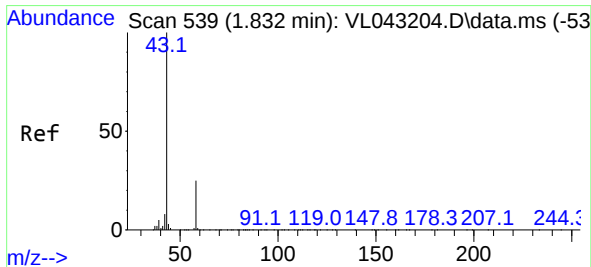
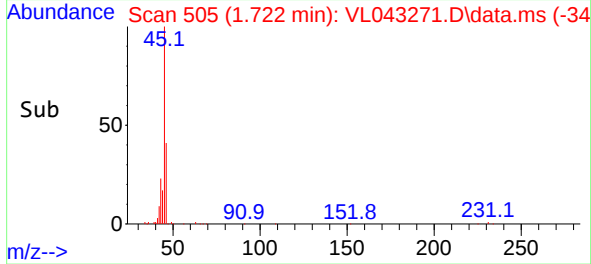
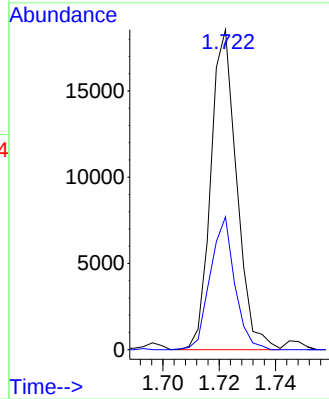
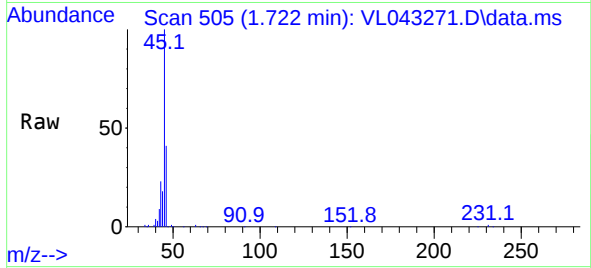
#13
Ethanol
Concen: 5.382 ppbv
RT: 1.722 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 1187
Ion Ratio Lower Upper
45 100
46 39.3 15.0 59.8

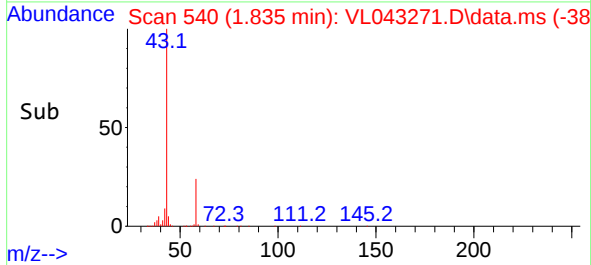
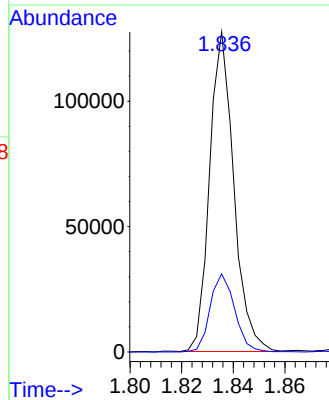
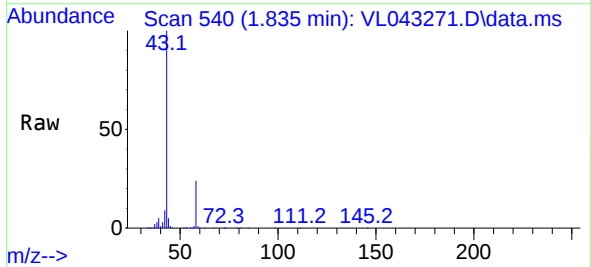
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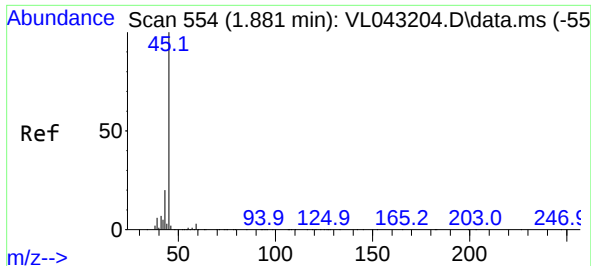
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#15
Acetone
Concen: 5.592 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38

Tgt Ion: 43 Resp: 82758
Ion Ratio Lower Upper
43 100
58 24.8 20.7 31.1





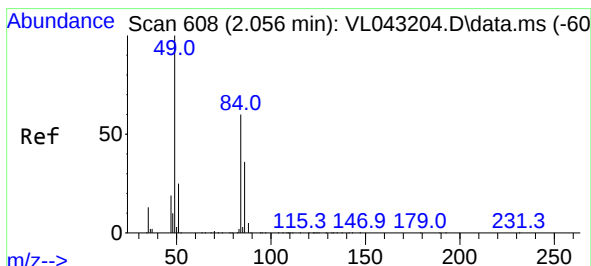
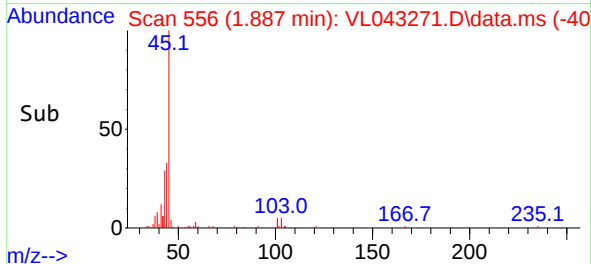
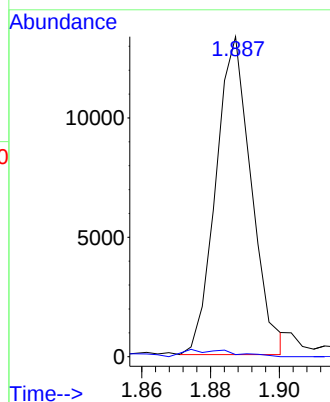
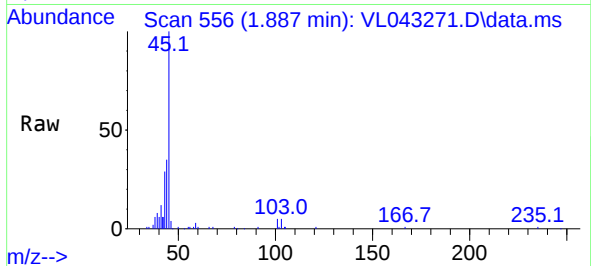
#19
Isopropyl Alcohol
Concen: 1.139 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 9524
Ion Ratio Lower Upper
45 100
58 215.6 31.3 46.9

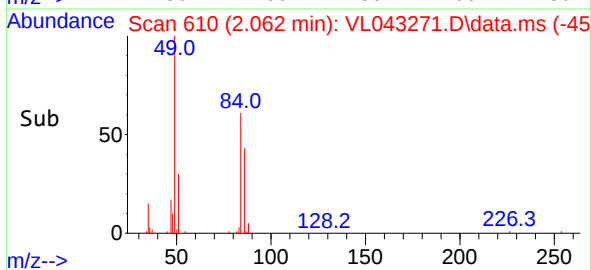
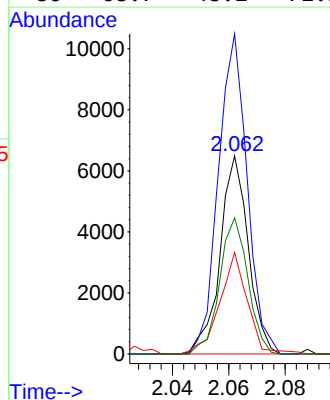
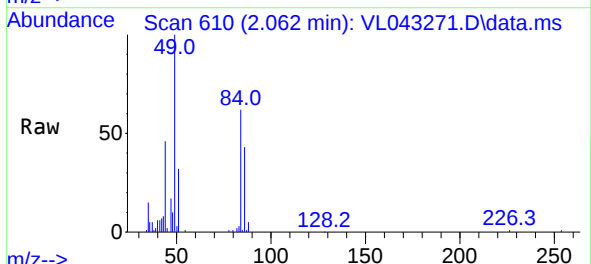
Manual Integrations
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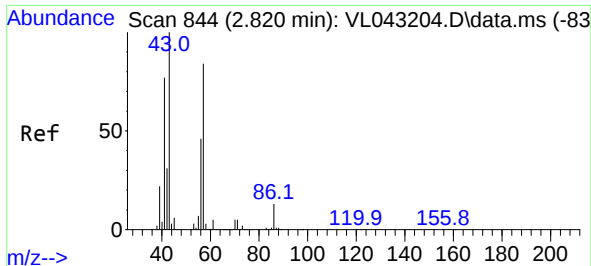
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#20
Methylene Chloride
Concen: 0.278 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38

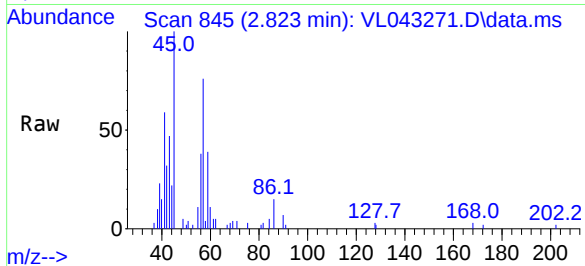
Tgt Ion: 84 Resp: 4541
Ion Ratio Lower Upper
84 100
49 161.5 132.9 199.3
51 51.3 34.8 52.2
86 68.7 48.2 72.2





#26
Hexane
Concen: 0.173 ppbv
RT: 2.823 min Scan# 844
Delta R.T. 0.003 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38

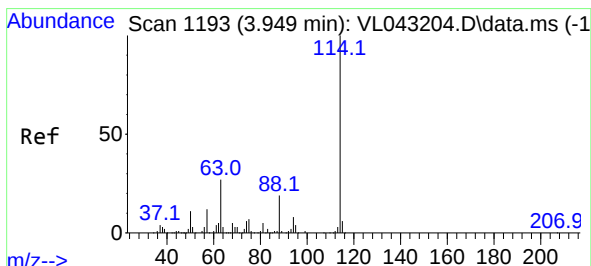
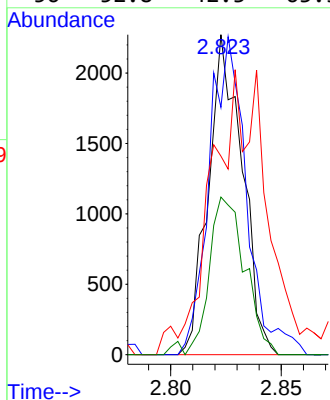
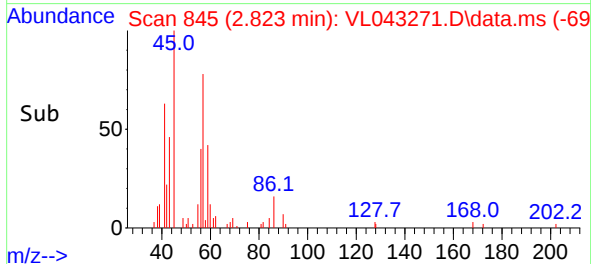
Instrument :
MSVOA_L
ClientSampleId :
OA1



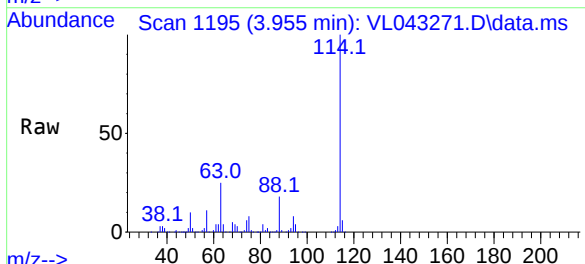
Tgt Ion: 57 Resp: 2420
Ion Ratio Lower Upper
57 100
41 109.6 74.6 111.8
43 146.2 179.0 268.4
56 52.8 42.3 63.5

Manual Integrations
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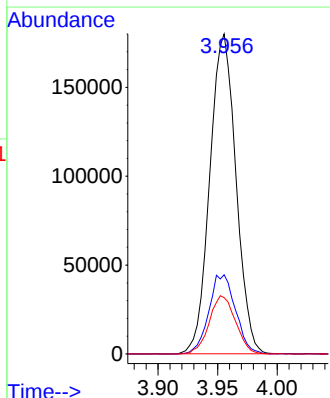
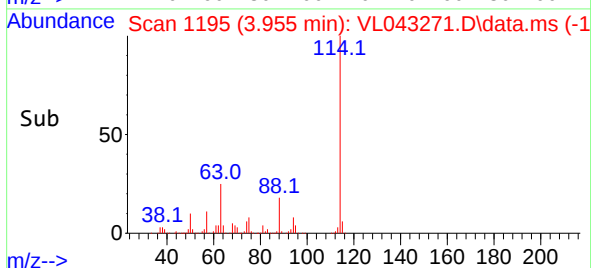
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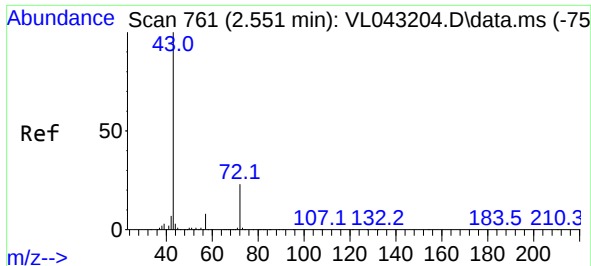


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38



Tgt Ion:114 Resp: 274528
Ion Ratio Lower Upper
114 100
63 25.4 21.0 31.6
88 18.3 14.9 22.3





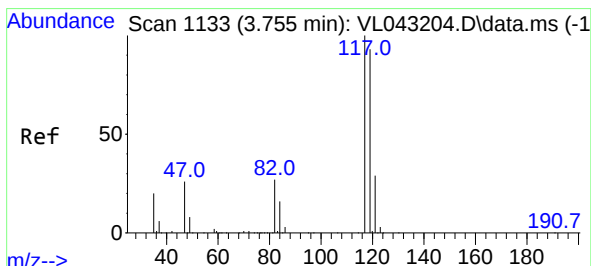
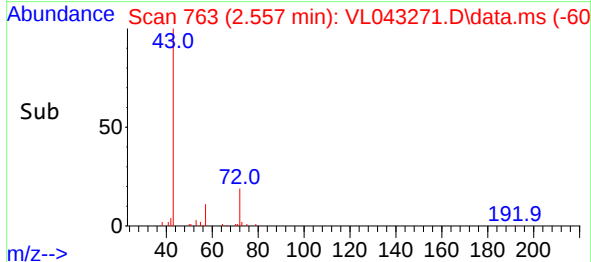
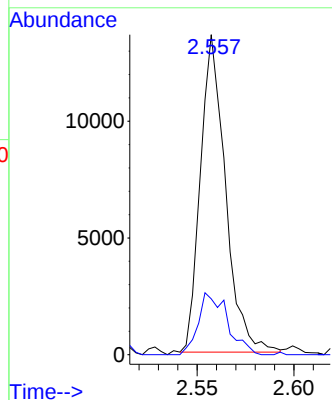
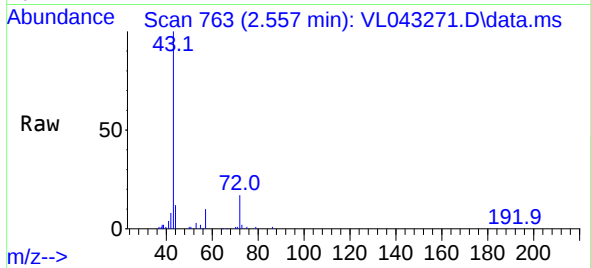
#34
2-Butanone
Concen: 0.632 ppbv
RT: 2.557 min Scan# 761
Delta R.T. 0.006 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 12254
Ion Ratio Lower Upper
43 100
72 22.7 18.1 27.1

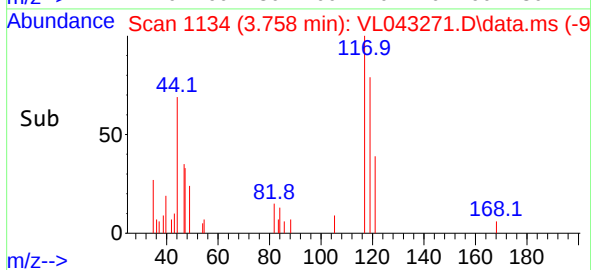
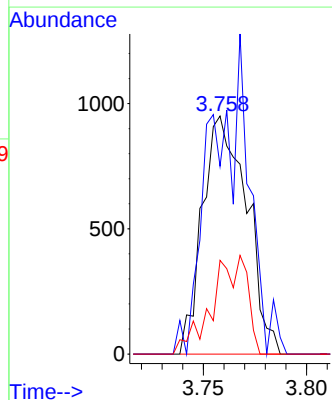
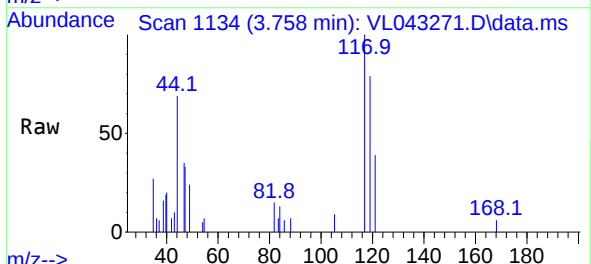
Manual Integrations
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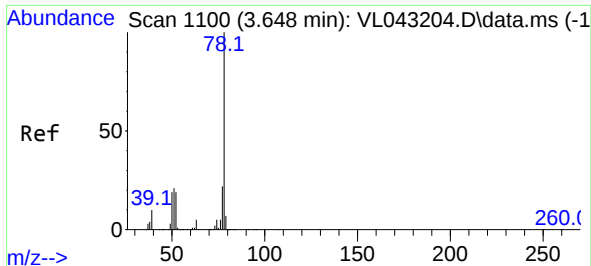
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#35
Carbon Tetrachloride
Concen: 0.068 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. 0.003 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38

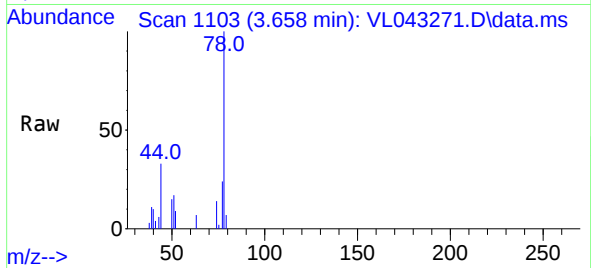
Tgt Ion:117 Resp: 1414
Ion Ratio Lower Upper
117 100
119 71.9 74.6 112.0#
121 39.4 23.2 34.8#





#36
Benzene
Concen: 0.132 ppbv m
RT: 3.658 min Scan# 1103
Delta R.T. 0.010 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38

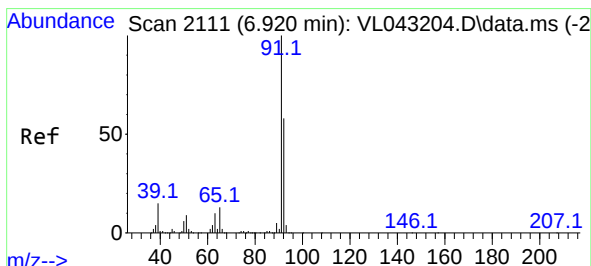
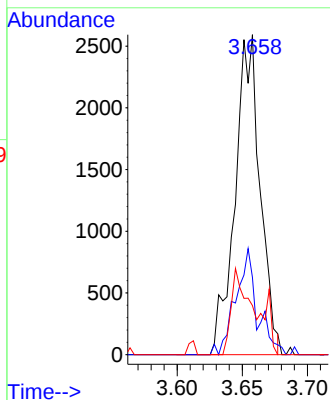
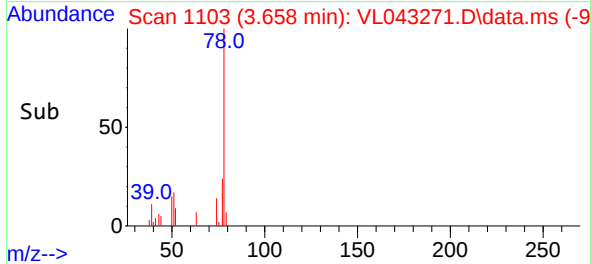
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 78 Resp: 3460
Ion Ratio Lower Upper
78 100
77 24.1 17.5 26.3
50 15.3 15.5 23.3

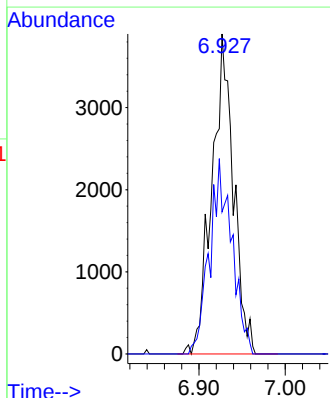
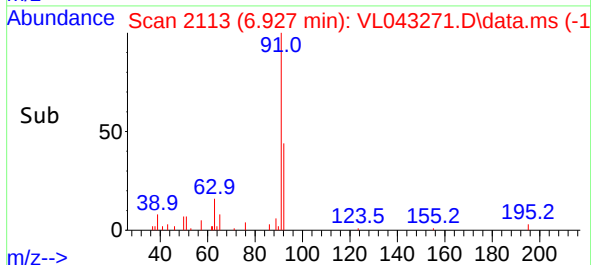
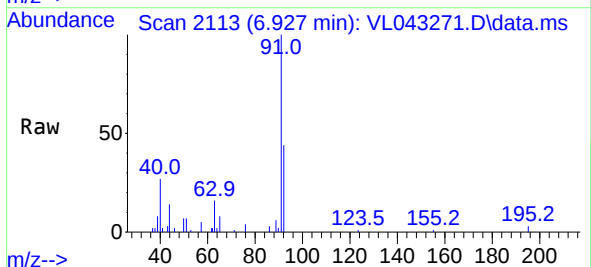
Manual Integrations
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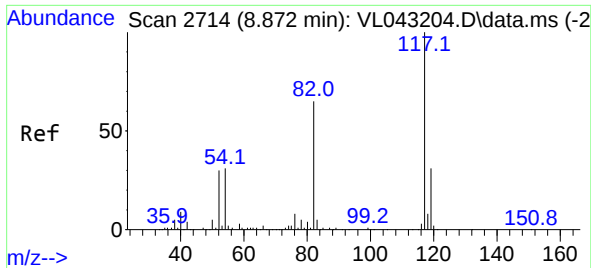
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#53
Toluene
Concen: 0.217 ppbv m
RT: 6.927 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38

Tgt Ion: 91 Resp: 6764
Ion Ratio Lower Upper
91 100
92 62.8 47.4 71.0





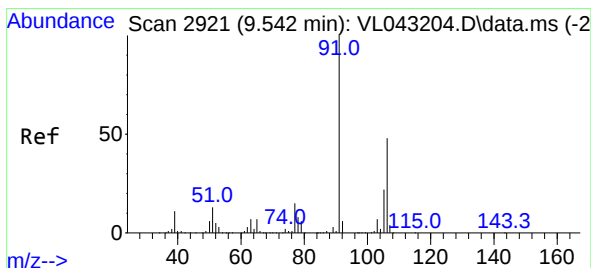
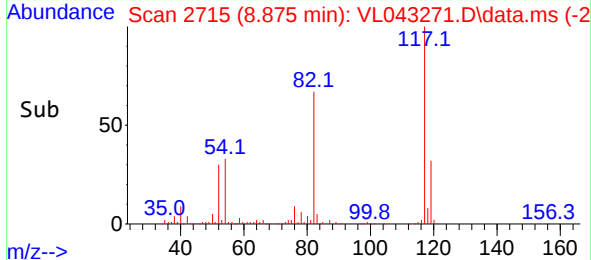
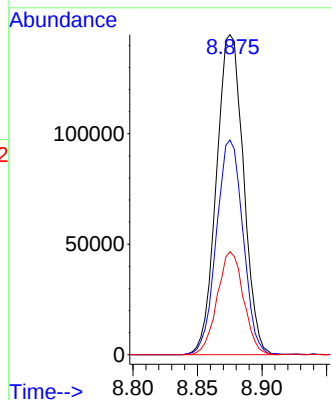
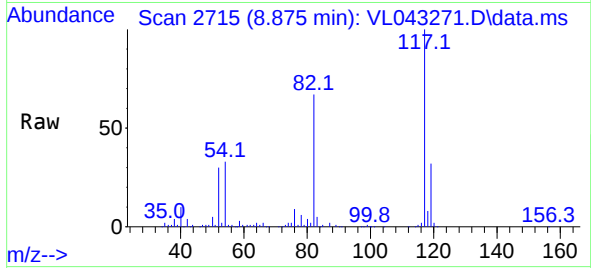
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21133
Delta R.T. 0.003 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:117 Resp: 21133
Ion Ratio Lower Upper
117 100
82 66.1 56.1 84.1
119 31.4 25.0 37.6

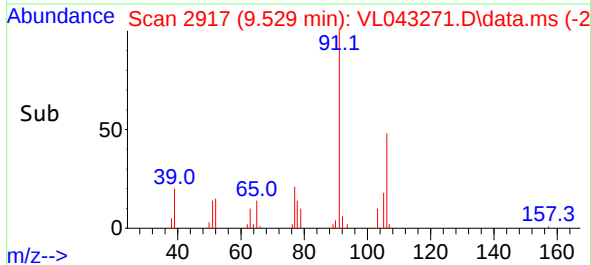
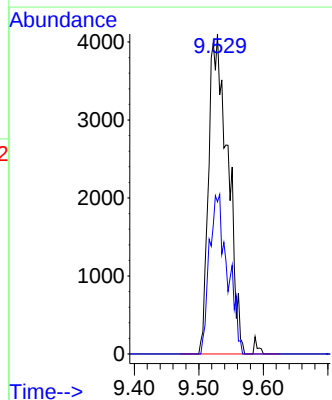
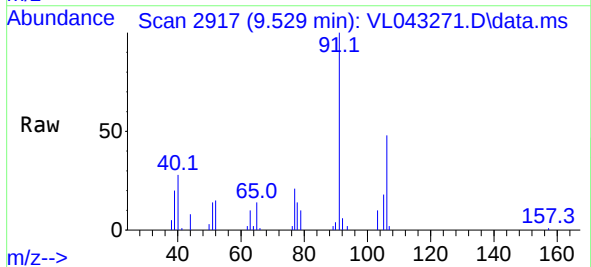
Manual Integrations
APPROVED

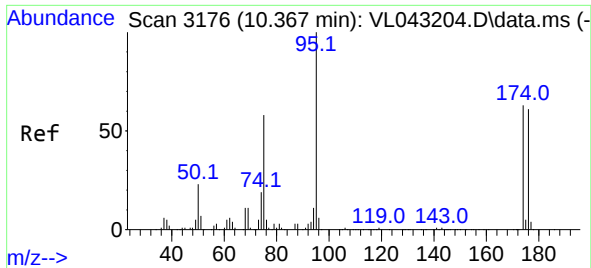
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#59
m/p-Xylene
Concen: 0.260 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.013 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38

Tgt Ion: 91 Resp: 8465
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.903 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043271.D
Acq: 20 Nov 2025 18:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 95 Resp: 15341
Ion Ratio Lower Upper
95 100
174 65.6 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

