

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
 Data File : VL043174.D
 Acq On : 06 Nov 2025 18:57
 Operator : SY/MD
 Sample : Q3555-03 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 151-SG-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/10/2025
 Supervised By :Mahesh Dadoda 11/10/2025

Quant Time: Nov 07 00:26:38 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	125587	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	343141	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	286902	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	227062	10.182	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	4291	0.240	ppbv	92
3) Chlorodifluoromethane	1.476	51	4296m	0.222	ppbv	
9) Propene	1.486	41	2575	0.301	ppbv	85
11) Trichlorofluoromethane	1.881	101	2653m	0.152	ppbv	
13) Ethanol	1.722	45	10821	3.415	ppbv	99
15) Acetone	1.835	43	165816	9.796	ppbv	99
19) Isopropyl Alcohol	1.887	45	18388	1.744	ppbv #	1
20) Methylene Chloride	2.065	84	5101	0.762	ppbv	89
26) Hexane	2.826	57	25460	1.316	ppbv #	37
27) Carbon Disulfide	2.149	76	2378	0.134	ppbv #	1
29) Chloroform	2.848	83	1003371	35.801	ppbv	98
34) 2-Butanone	2.557	43	11822	0.513	ppbv	100
35) Carbon Tetrachloride	3.768	117	842m	0.034	ppbv	
41) Tetrahydrofuran	3.065	42	1714m	0.133	ppbv	
42) Bromodichloromethane	4.493	83	6875m	0.267	ppbv	
52) Tetrachloroethene	8.211	164	507m	0.044	ppbv	

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

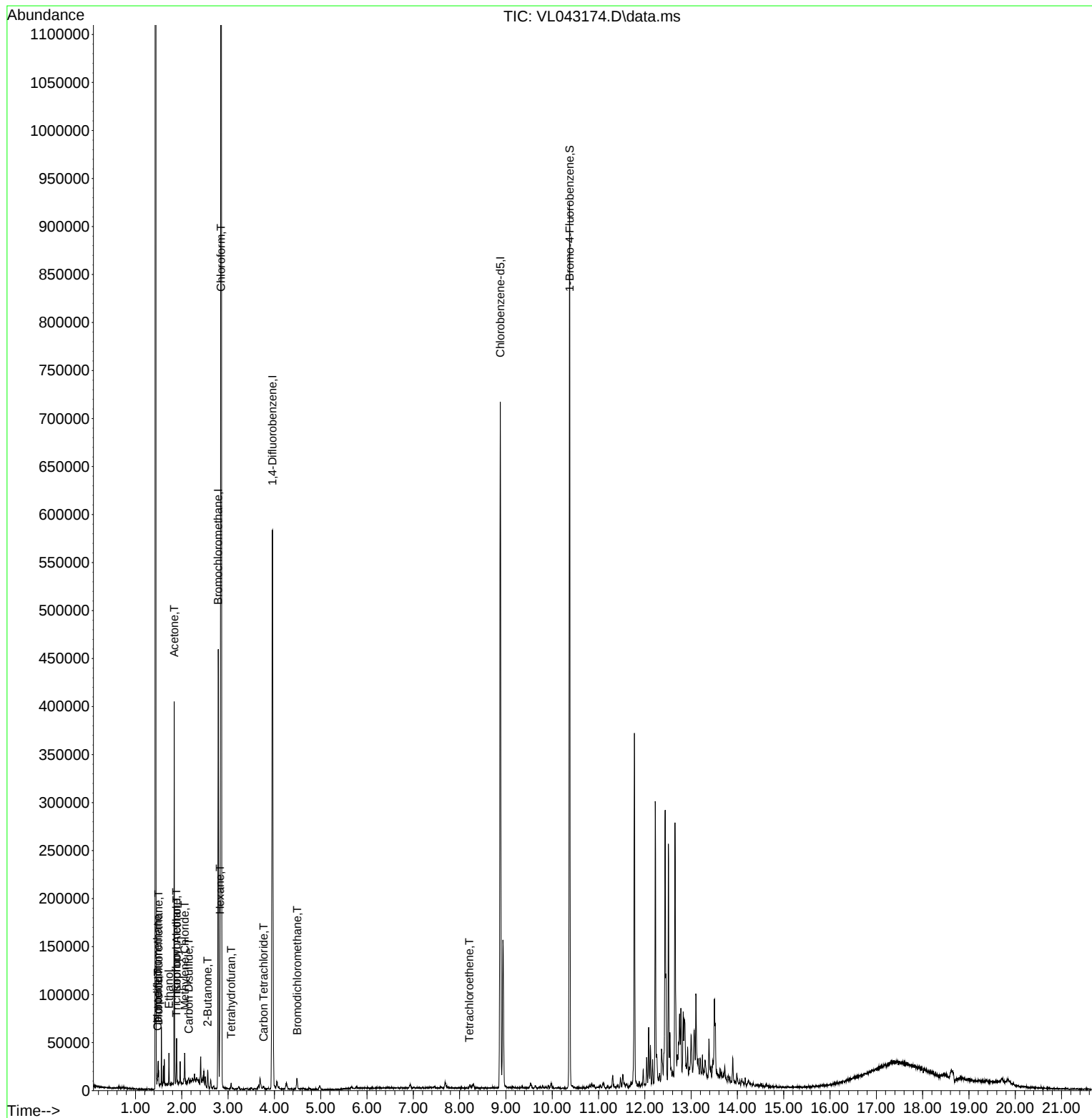
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043174.D
Acq On : 06 Nov 2025 18:57
Operator : SY/MD
Sample : Q3555-03 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

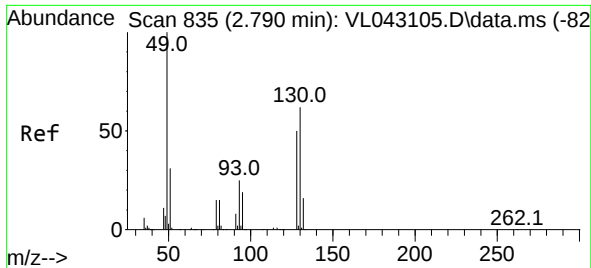
Instrument :
MSVOA_L
ClientSampleId :
151-SG-1

Quant Time: Nov 07 00:26:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

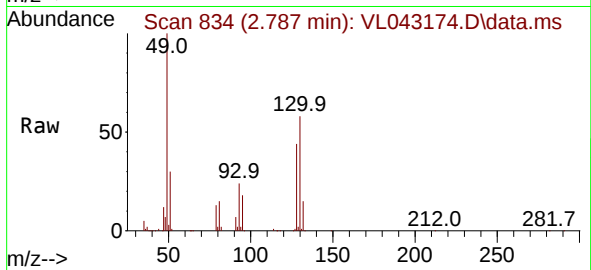
Reviewed By :Semsettin Yesilyurt 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57

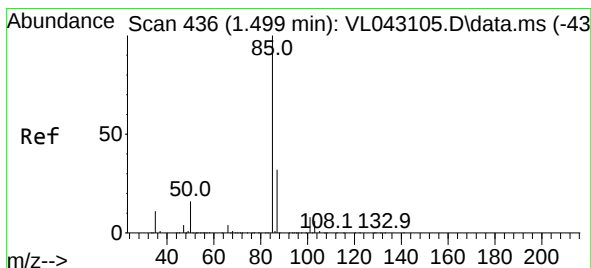
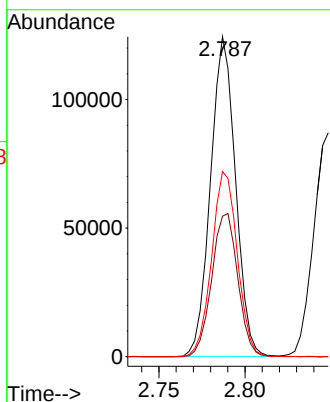
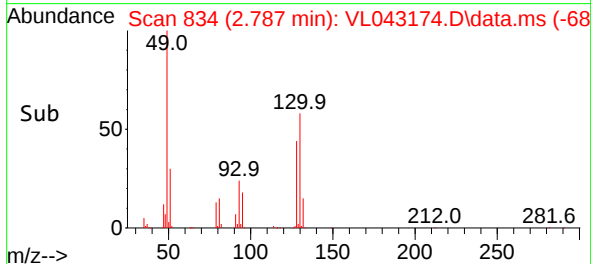
Instrument :
MSVOA_L
ClientSampleId :
151-SG-1



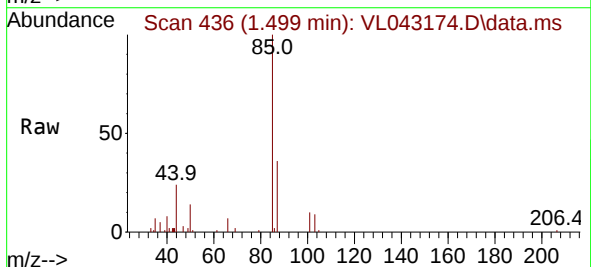
Tgt Ion: 49 Resp: 12558
Ion Ratio Lower Upper
49 100
128 46.7 24.4 73.4
130 59.5 31.0 93.0

Manual Integrations
APPROVED

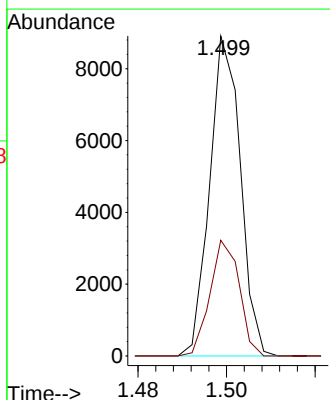
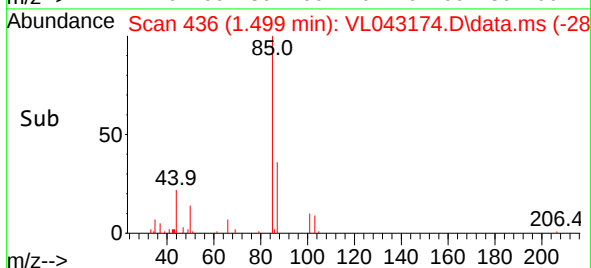
Reviewed By :Semsettin Yesilyurt 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025

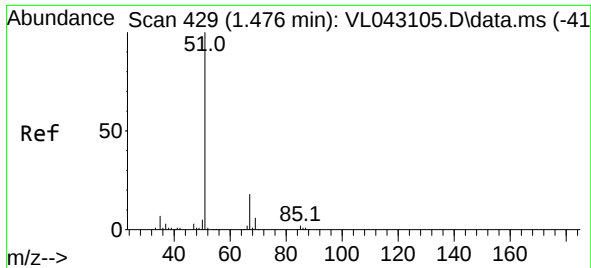


#2
Dichlorodifluoromethane
Concen: 0.240 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57



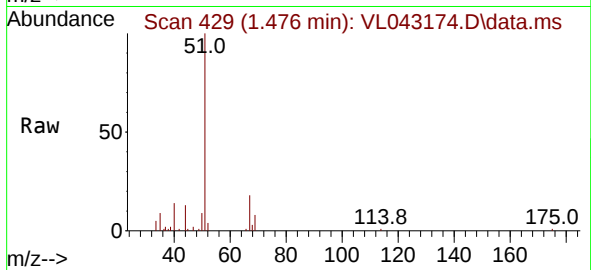
Tgt Ion: 85 Resp: 4291
Ion Ratio Lower Upper
85 100
87 36.1 25.3 37.9





#3
Chlorodifluoromethane
Concen: 0.222 ppbv m
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57

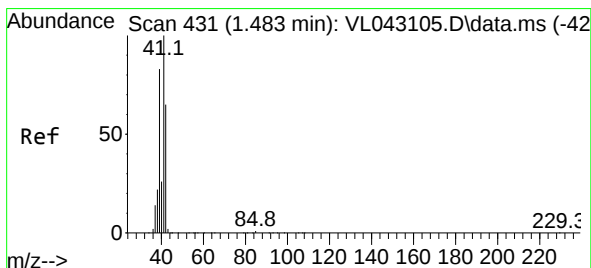
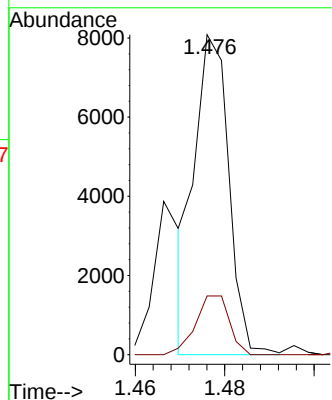
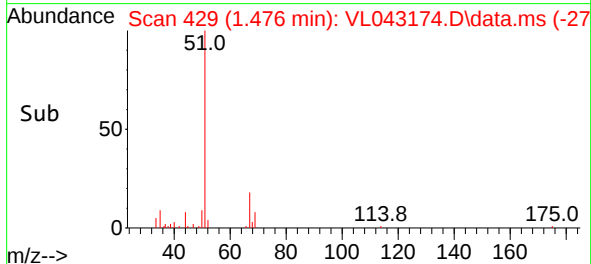
Instrument :
MSVOA_L
ClientSampleId :
151-SG-1



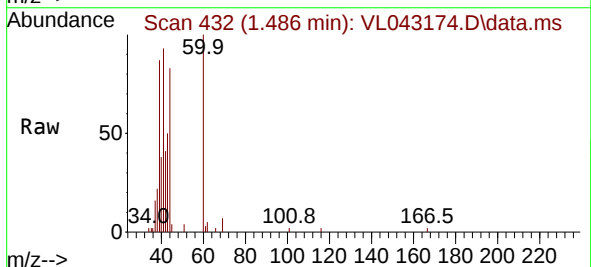
Tgt Ion: 51 Resp: 4290
Ion Ratio Lower Upper
51 100
67 18.3 15.1 22.7

Manual Integrations
APPROVED

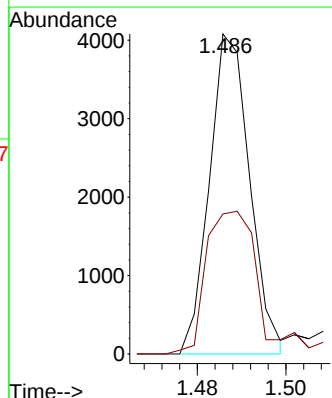
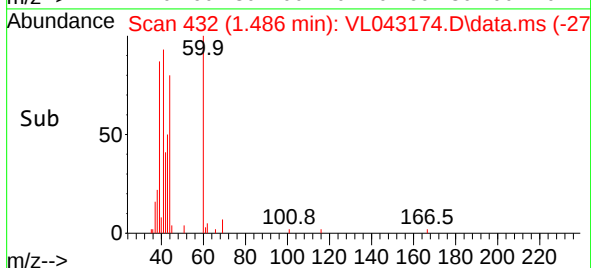
Reviewed By :Semsettin Yesilyurt 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025

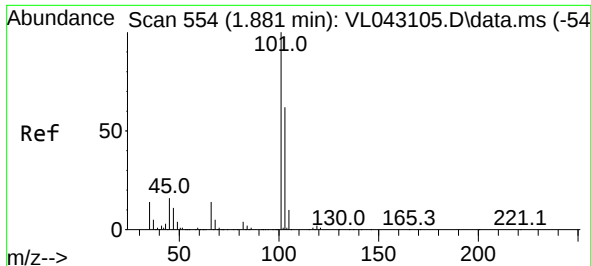


#9
Propene
Concen: 0.301 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57



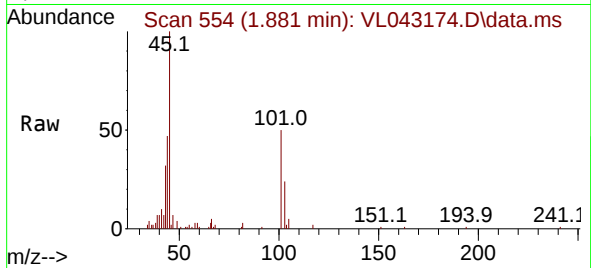
Tgt Ion: 41 Resp: 2575
Ion Ratio Lower Upper
41 100
42 56.8 55.1 82.7





#11
Trichlorofluoromethane
Concen: 0.152 ppbv m
RT: 1.881 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57

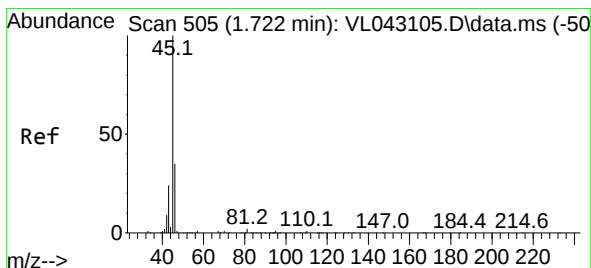
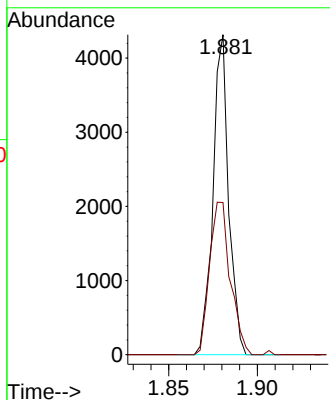
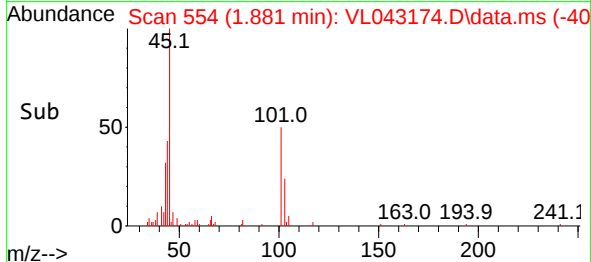
Instrument :
MSVOA_L
ClientSampleId :
151-SG-1



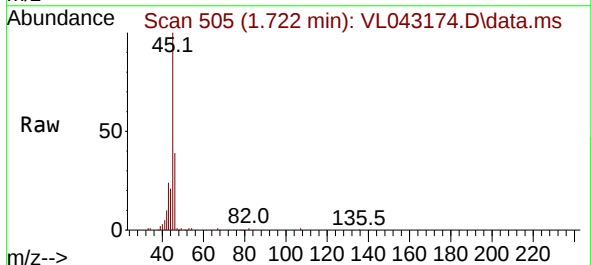
Tgt Ion:101 Resp: 265
Ion Ratio Lower Upper
101 100
103 47.5 49.3 73.9

Manual Integrations
APPROVED

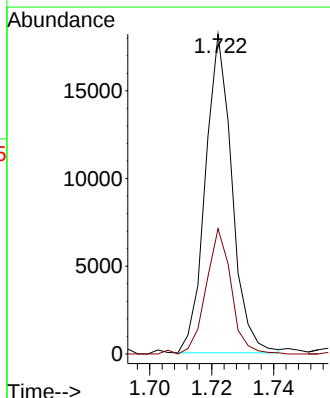
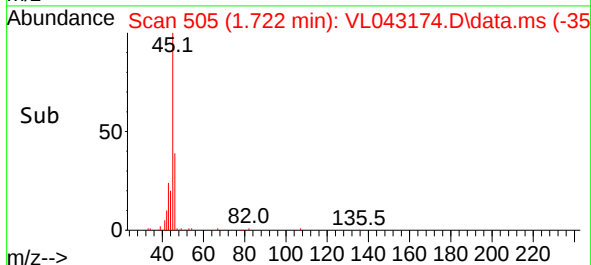
Reviewed By :Semsettin Yesilyurt 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025

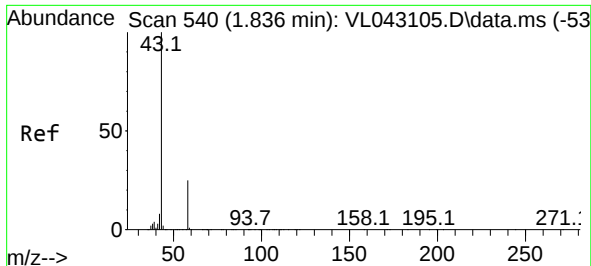


#13
Ethanol
Concen: 3.415 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57



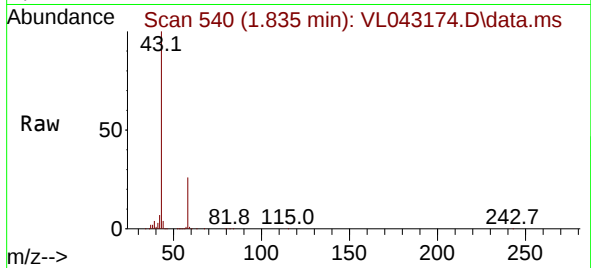
Tgt Ion: 45 Resp: 10821
Ion Ratio Lower Upper
45 100
46 37.3 14.7 58.9





#15
Acetone
Concen: 9.796 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57

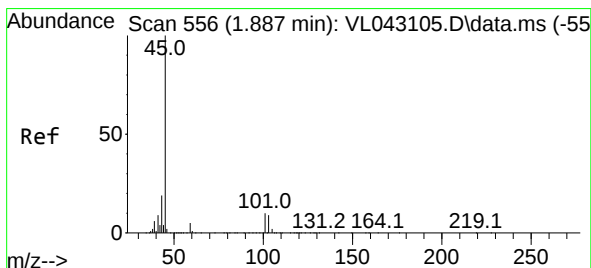
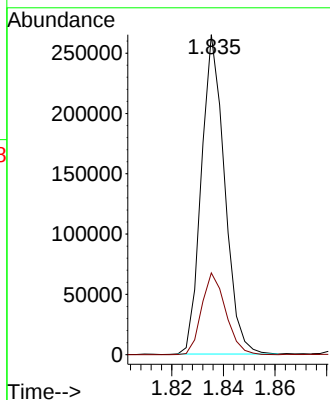
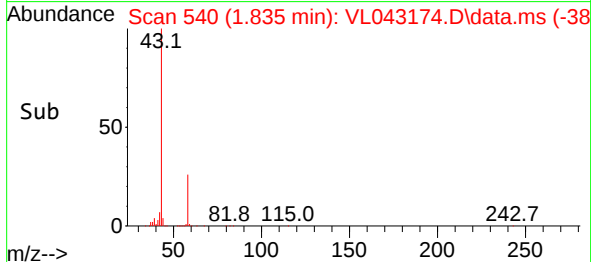
Instrument :
MSVOA_L
ClientSampleId :
151-SG-1



Tgt Ion: 43 Resp: 165810
Ion Ratio Lower Upper
43 100
58 26.5 20.8 31.2

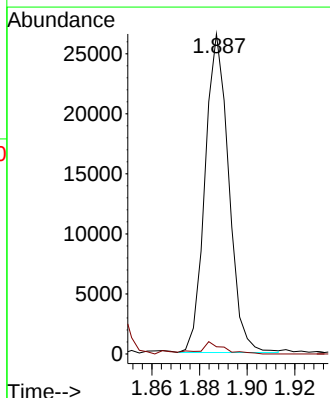
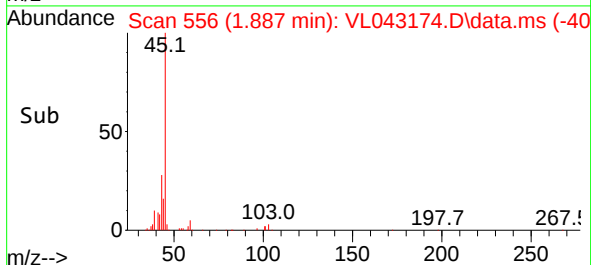
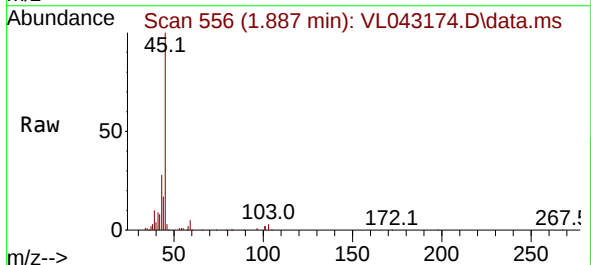
Manual Integrations
APPROVED

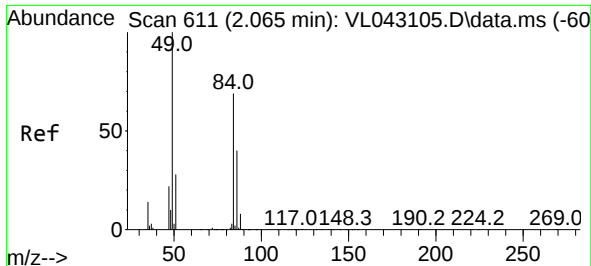
Reviewed By :Semsettin Yesilyurt 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025



#19
Isopropyl Alcohol
Concen: 1.744 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57

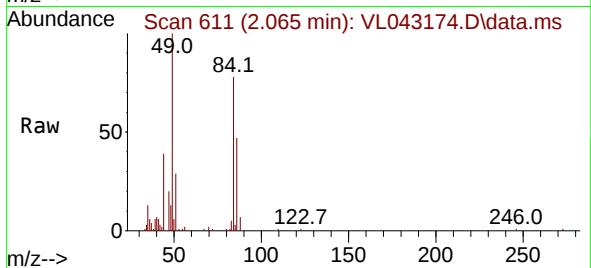
Tgt Ion: 45 Resp: 18388
Ion Ratio Lower Upper
45 100
58 239.4 31.3 46.9#





#20
Methylene Chloride
Concen: 0.762 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57

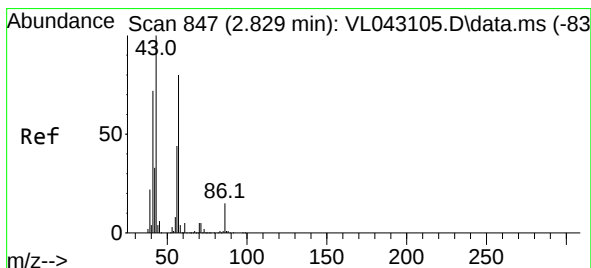
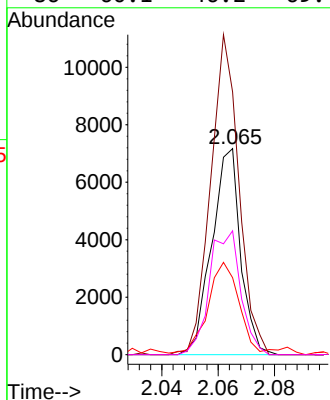
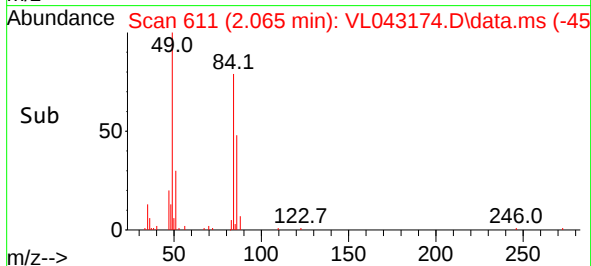
Instrument :
MSVOA_L
ClientSampleId :
151-SG-1



Tgt Ion:	84	Resp:	510
Ion	Ratio	Lower	Upper
84	100		
49	127.5	116.6	175.0
51	35.9	34.8	52.2
86	60.1	46.2	69.4

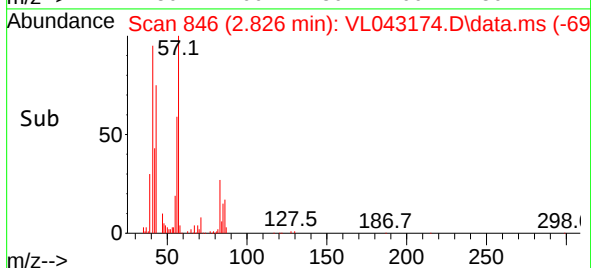
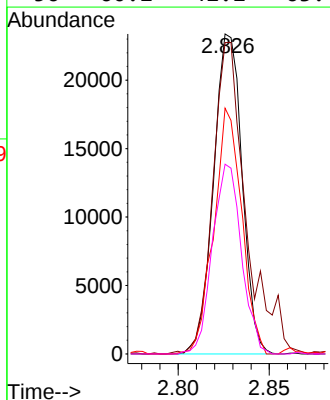
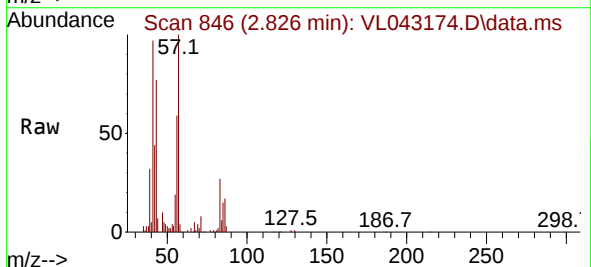
Manual Integrations
APPROVED

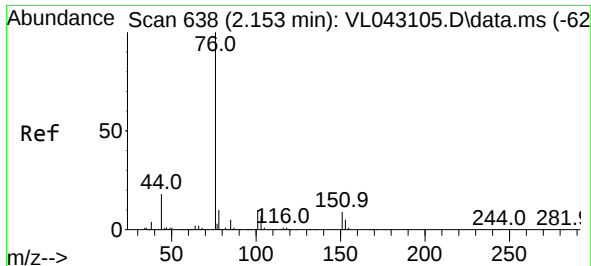
Reviewed By :Semsettin Yesilyurt 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025



#26
Hexane
Concen: 1.316 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.004 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57

Tgt Ion:	57	Resp:	25460
Ion	Ratio	Lower	Upper
57	100		
41	113.8	71.4	107.0#
43	77.0	178.5	267.7#
56	60.2	42.2	63.4





#27

Carbon Disulfide

Concen: 0.134 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.004 min

Lab File: VL043174.D

Acq: 06 Nov 2025 18:57

Instrument :

MSVOA_L

ClientSampleId :

151-SG-1

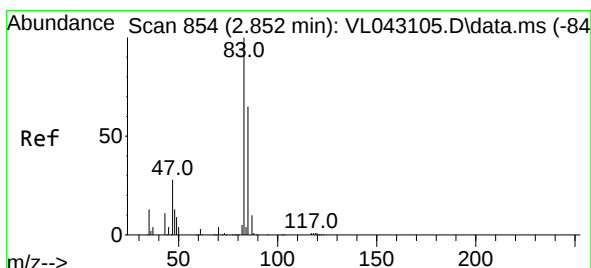
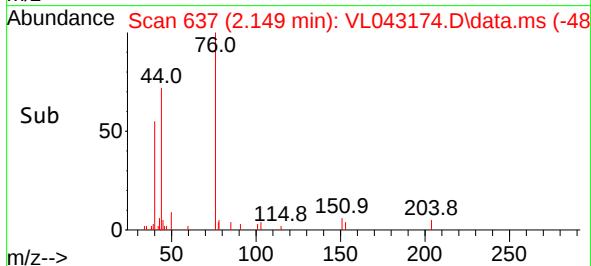
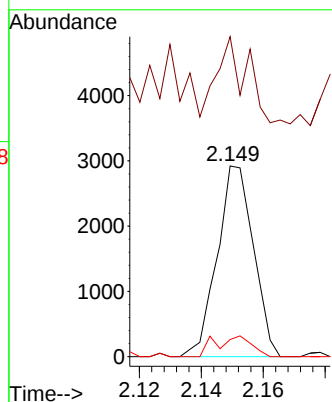
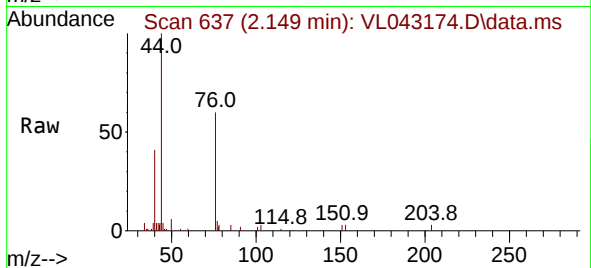
Tgt Ion: 76 Resp: 2378

Ion	Ratio	Lower	Upper
76	100		
44	354.0	16.7	25.1
78	12.3	9.3	13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025



#29

Chloroform

Concen: 35.801 ppbv

RT: 2.848 min Scan# 853

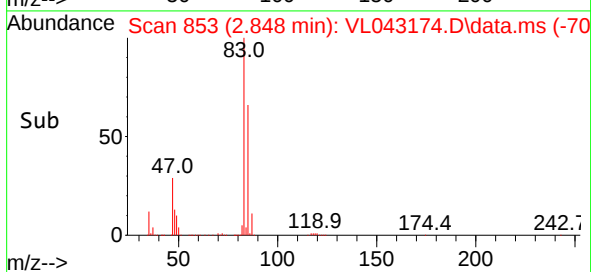
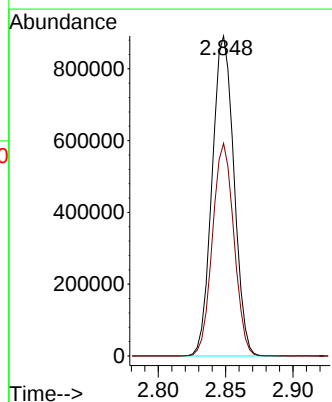
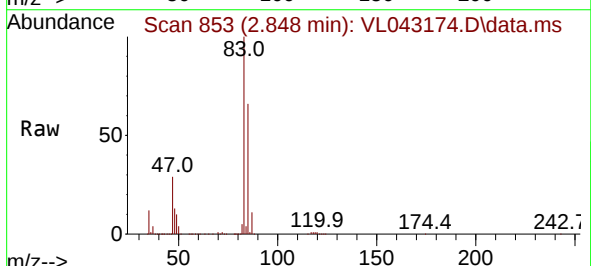
Delta R.T. -0.004 min

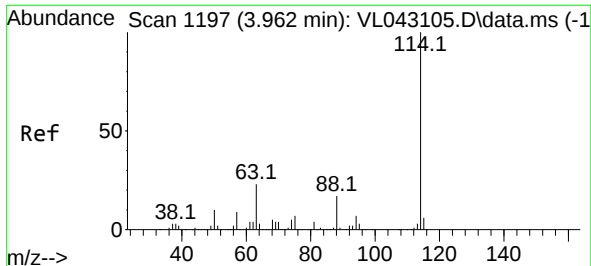
Lab File: VL043174.D

Acq: 06 Nov 2025 18:57

Tgt Ion: 83 Resp: 1003371

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.8	77.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.004 min

Lab File: VL043174.D

Acq: 06 Nov 2025 18:57

Instrument :

MSVOA_L

ClientSampleId :

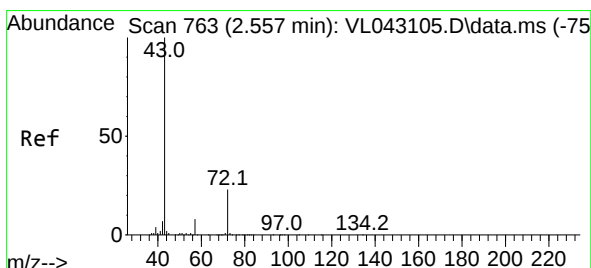
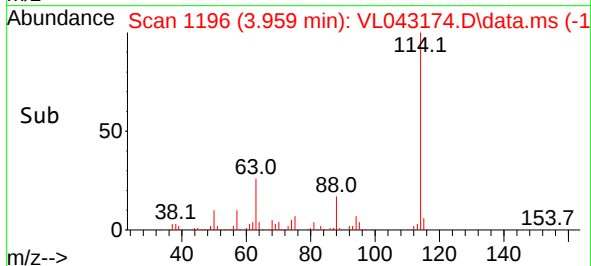
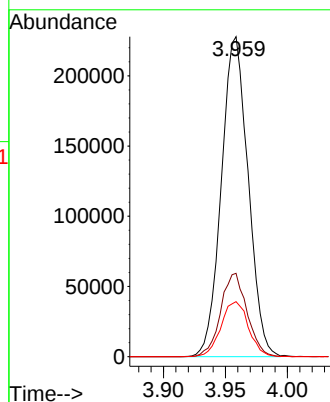
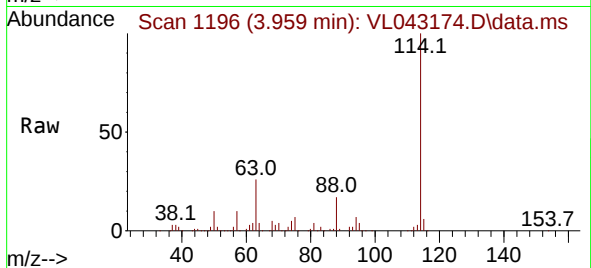
151-SG-1

Tgt Ion:114	Resp: 34314
Ion Ratio	Lower Upper
114 100	
63 25.8	19.3 28.9
88 17.6	13.9 20.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025



#34

2-Butanone

Concen: 0.513 ppbv

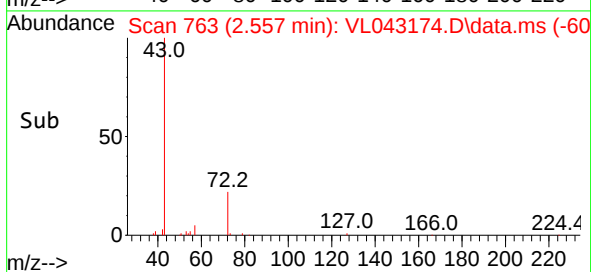
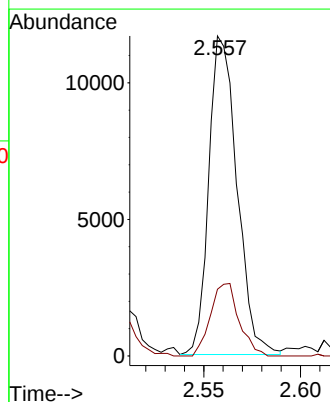
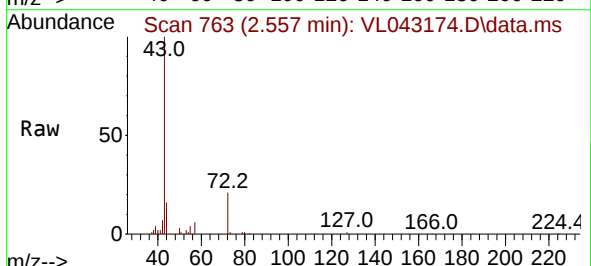
RT: 2.557 min Scan# 763

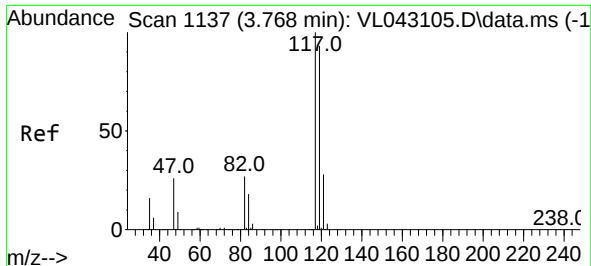
Delta R.T. -0.000 min

Lab File: VL043174.D

Acq: 06 Nov 2025 18:57

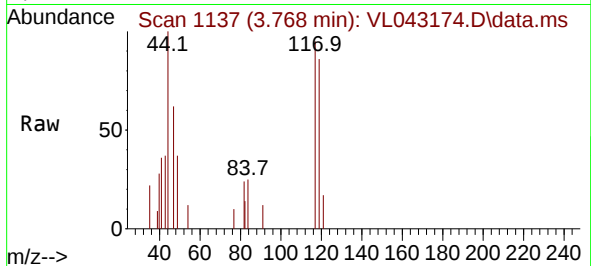
Tgt Ion: 43	Resp: 11822
Ion Ratio	Lower Upper
43 100	
72 23.0	18.4 27.6





#35
Carbon Tetrachloride
Concen: 0.034 ppbv m
RT: 3.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57

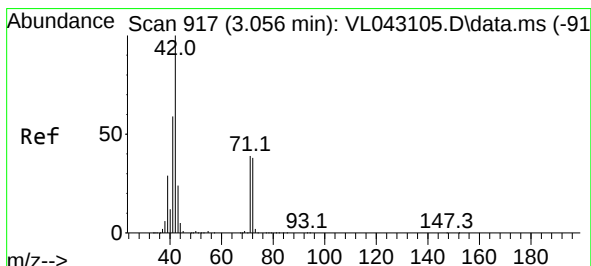
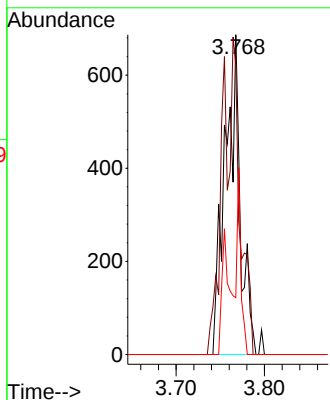
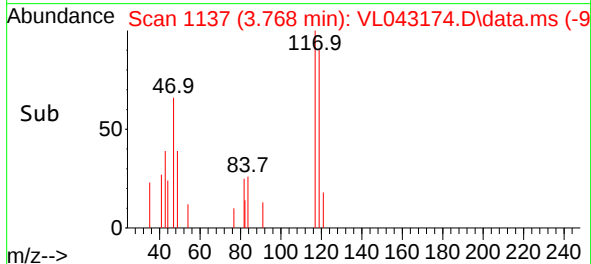
Instrument : MSVOA_L
ClientSampleId : 151-SG-1



Tgt Ion: 117 Resp: 842
Ion Ratio Lower Upper
117 100
119 90.4 74.1 111.1
121 17.8 22.2 33.2

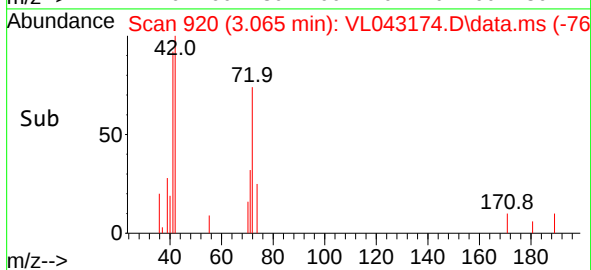
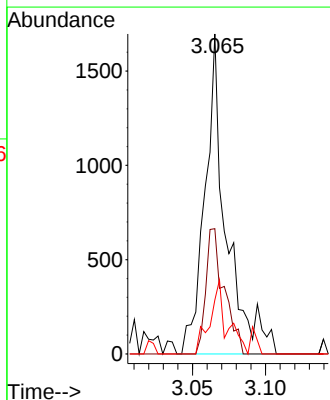
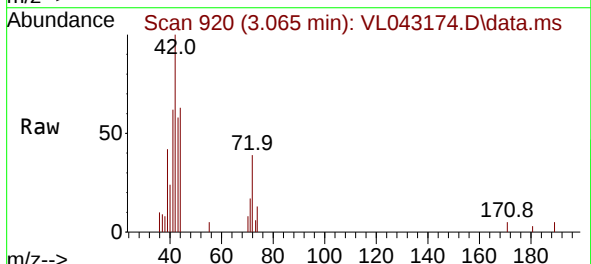
Manual Integrations
APPROVED

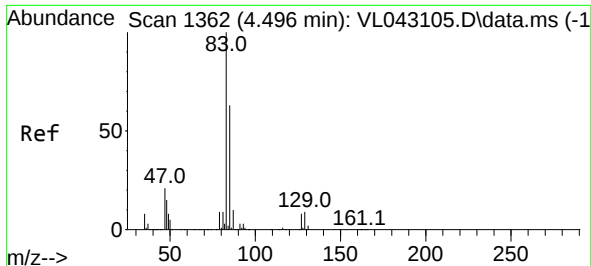
Reviewed By :Semsettin Yesilyurt 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025



#41
Tetrahydrofuran
Concen: 0.133 ppbv m
RT: 3.065 min Scan# 920
Delta R.T. 0.009 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57

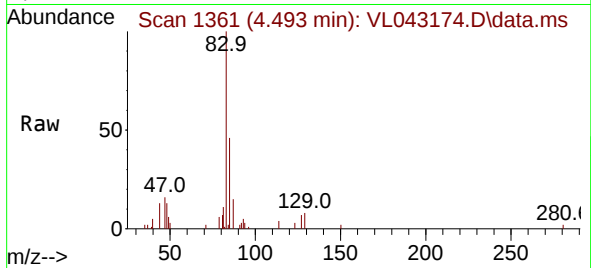
Tgt Ion: 42 Resp: 1714
Ion Ratio Lower Upper
42 100
72 33.5 31.3 46.9
71 20.8 30.4 45.6





#42
Bromodichloromethane
Concen: 0.267 ppbv m
RT: 4.493 min Scan# 1361
Delta R.T. -0.004 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57

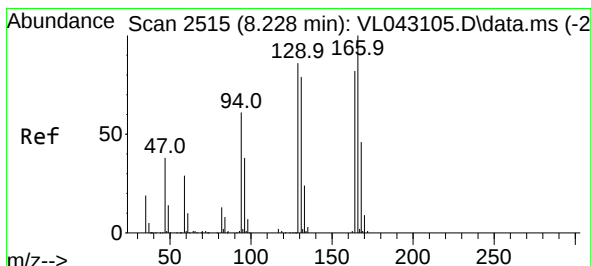
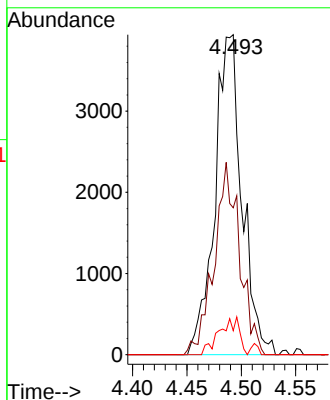
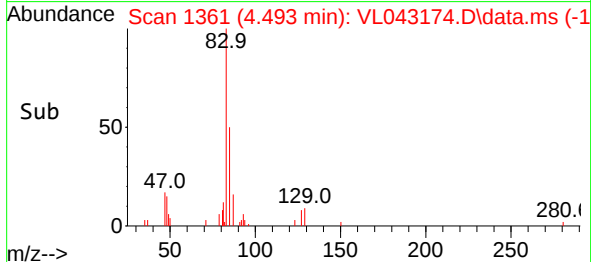
Instrument :
MSVOA_L
ClientSampleId :
151-SG-1



Tgt Ion: 83 Resp: 687
Ion Ratio Lower Upper
83 100
85 45.9 50.6 75.8
127 7.5 6.3 9.5

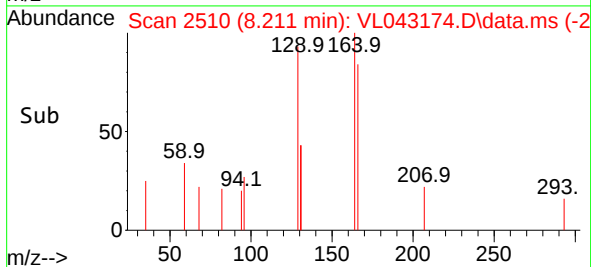
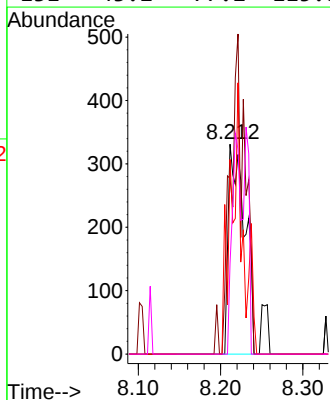
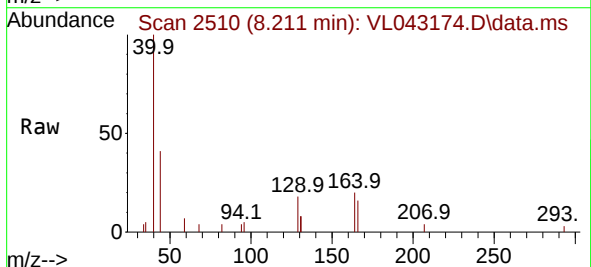
Manual Integrations
APPROVED

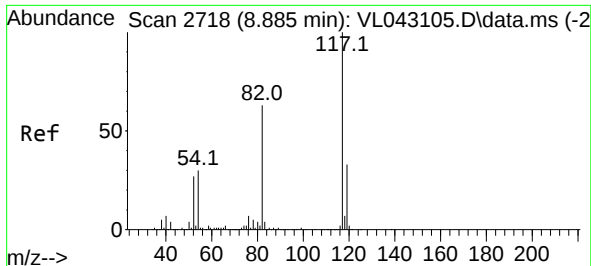
Reviewed By :Semsettin Yesilyurt 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025



#52
Tetrachloroethene
Concen: 0.044 ppbv m
RT: 8.211 min Scan# 2510
Delta R.T. -0.016 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57

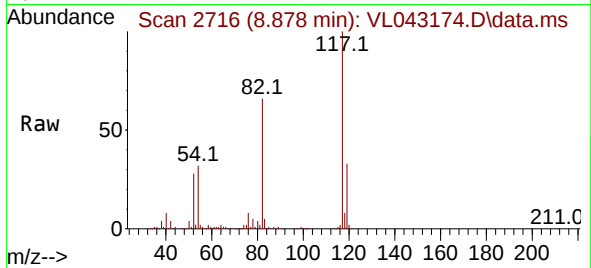
Tgt Ion:164 Resp: 507
Ion Ratio Lower Upper
164 100
166 83.7 97.6 146.4#
129 92.7 84.5 126.7
131 43.2 77.2 115.8#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57

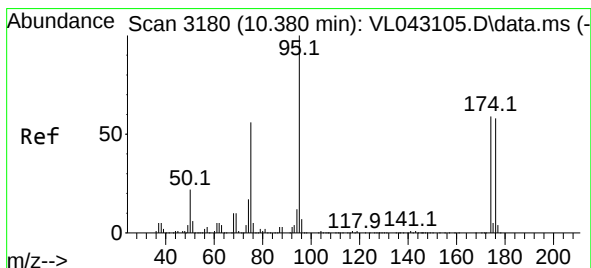
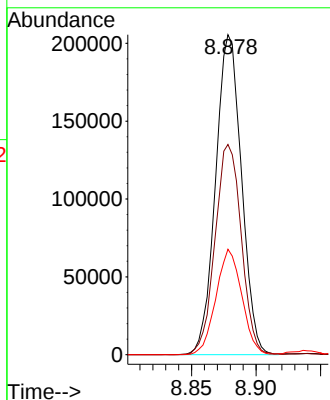
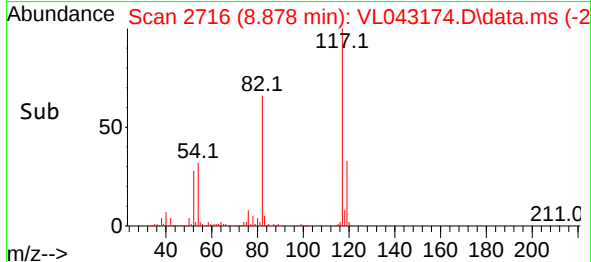
Instrument :
MSVOA_L
ClientSampleId :
151-SG-1



Tgt Ion:117 Resp: 286902
Ion Ratio Lower Upper
117 100
82 66.7 53.8 80.8
119 32.9 25.4 38.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.182 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.007 min
Lab File: VL043174.D
Acq: 06 Nov 2025 18:57

Tgt Ion: 95 Resp: 227062
Ion Ratio Lower Upper
95 100
174 63.1 48.3 72.5
175 4.6 3.8 5.8

