

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
 Data File : VL041969.D
 Acq On : 03 Feb 2025 17:41
 Operator : SY/MD
 Sample : Q1222-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/04/2025
 Supervised By : Mahesh Dadoda 02/04/2025

Quant Time: Feb 04 02:39:35 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	156518	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	426360	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	359092	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	270791	9.574	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	8982	0.421	ppbv	95
4) Chloromethane	1.538	50	4753	0.593	ppbv #	81
9) Propene	1.489	41	6544m	0.711	ppbv	
11) Trichlorofluoromethane	1.884	101	4332	0.195	ppbv	98
13) Ethanol	1.725	45	267111	396.360	ppbv	85
15) Acetone	1.842	43	98843	5.258	ppbv	98
19) Isopropyl Alcohol	1.894	45	59985	5.382	ppbv #	35
20) Methylene Chloride	2.072	84	2865	0.386	ppbv #	88
26) Hexane	2.836	57	2731	0.136	ppbv #	68
34) 2-Butanone	2.577	43	10009	0.369	ppbv	100
35) Carbon Tetrachloride	3.781	117	1954	0.073	ppbv #	67
36) Benzene	3.671	78	8262	0.211	ppbv #	89
53) Toluene	6.956	91	6774	0.159	ppbv	99

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

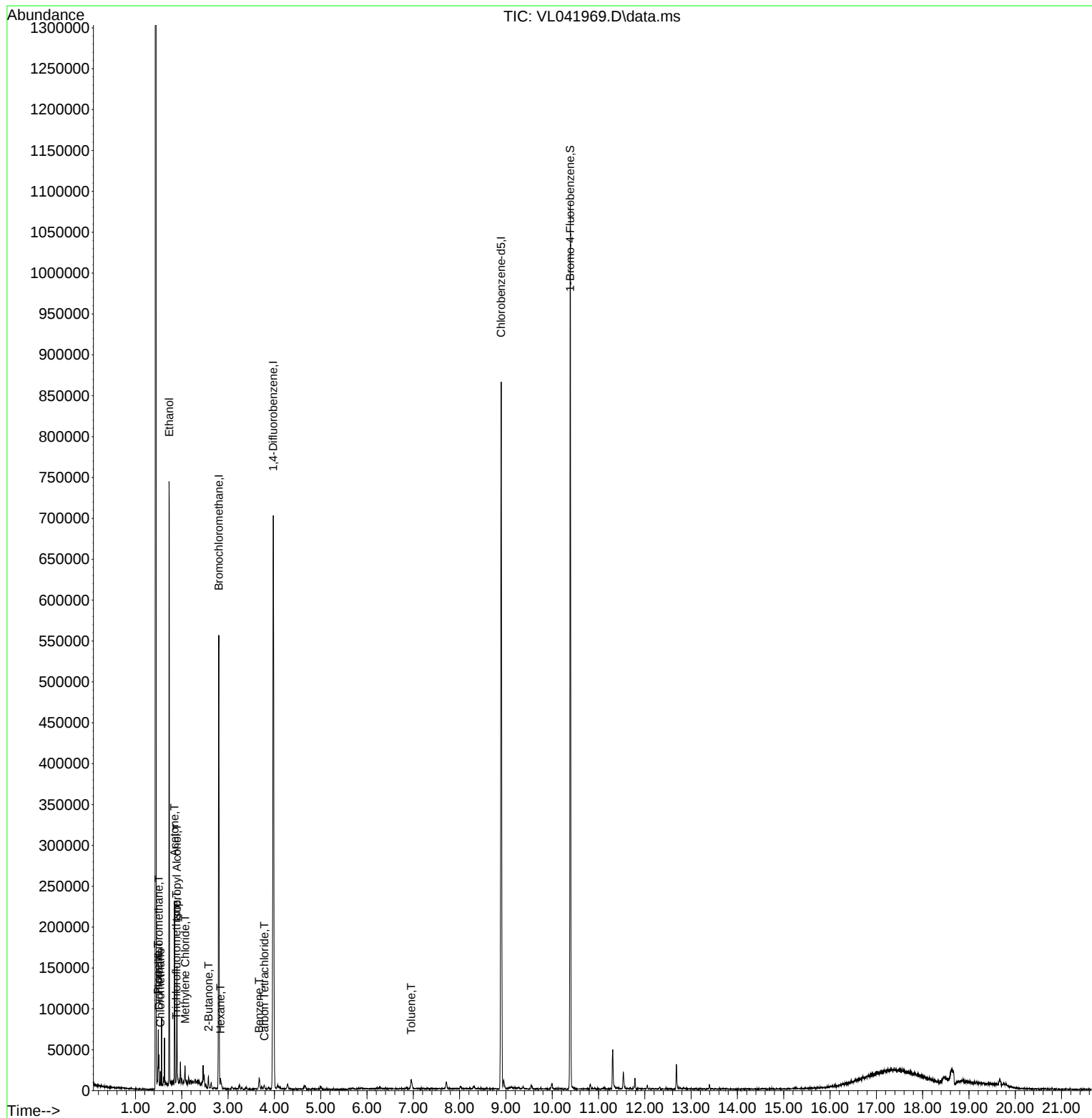
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
Data File : VL041969.D
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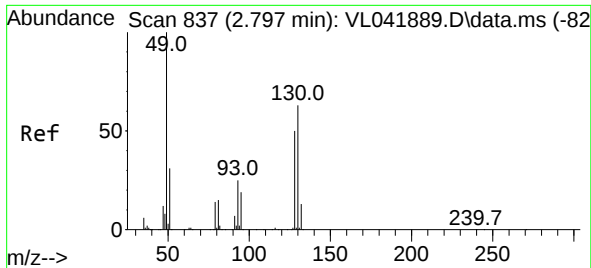
Instrument :
MSVOA_L
ClientSampleId :
OA1

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Supervised By :Mahesh Dadoda 02/04/2025

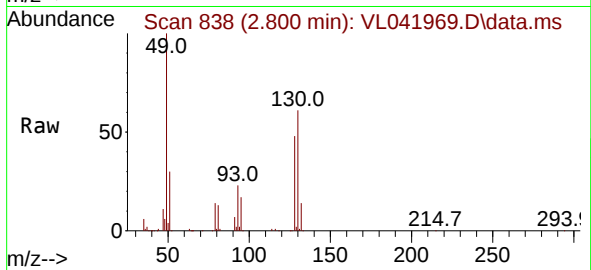
Quant Time: Feb 04 02:39:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 837
Delta R.T. 0.003 min
Lab File: VL041969.D
Acq: 03 Feb 2025 17:41

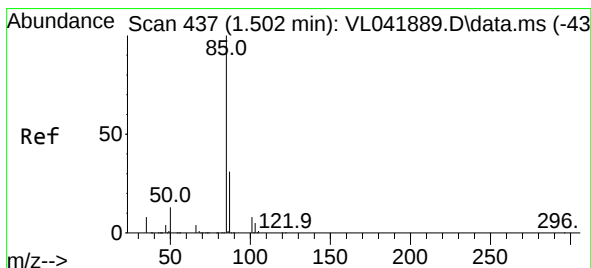
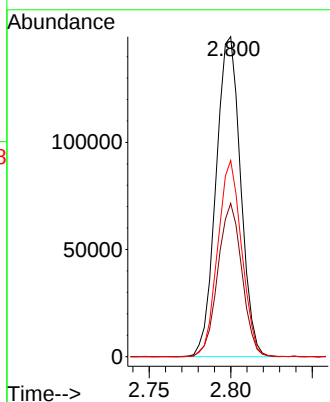
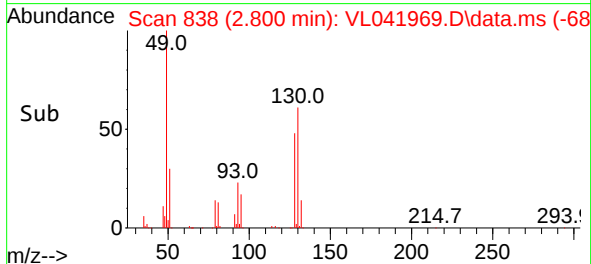
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 156518
Ion Ratio Lower Upper
49 100
128 46.9 24.3 73.0
130 59.7 31.1 93.2

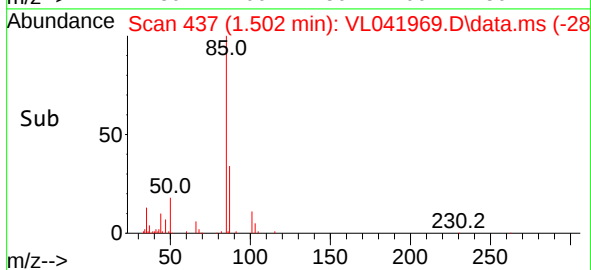
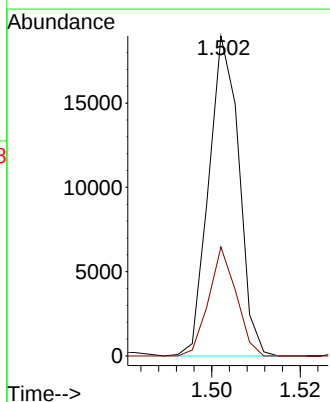
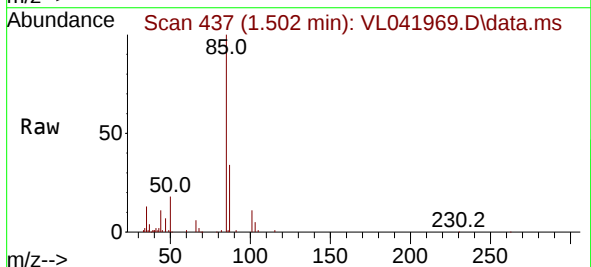
Manual Integrations
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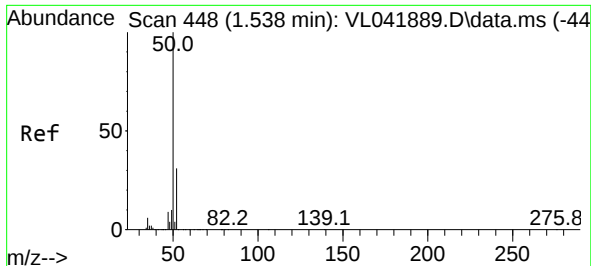
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#2
Dichlorodifluoromethane
Concen: 0.421 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041969.D
Acq: 03 Feb 2025 17:41

Tgt Ion: 85 Resp: 8982
Ion Ratio Lower Upper
85 100
87 34.0 24.9 37.3





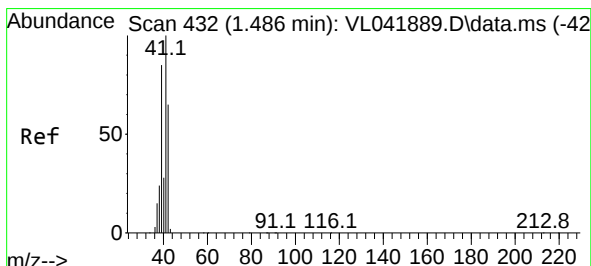
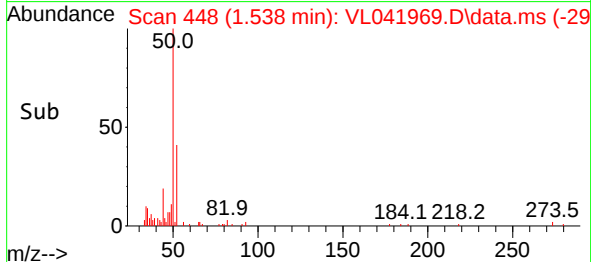
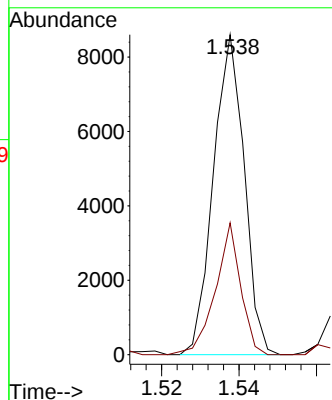
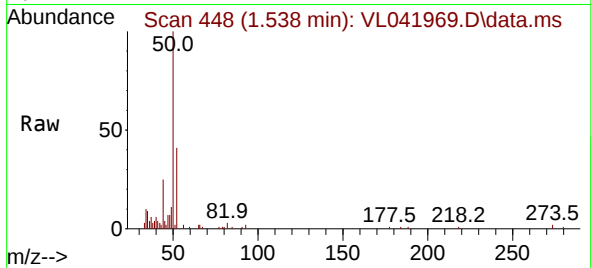
#4
Chloromethane
Concen: 0.593 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL041969.D
Acq: 03 Feb 2025 17:41

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 50 Resp: 475
Ion Ratio Lower Upper
50 100
52 41.2 24.6 36.8

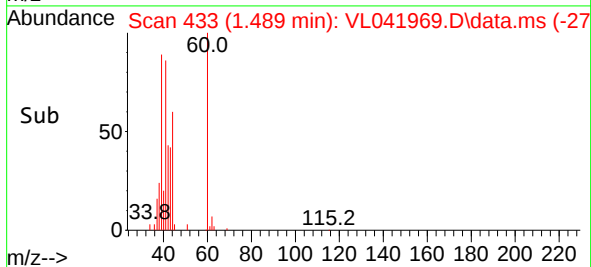
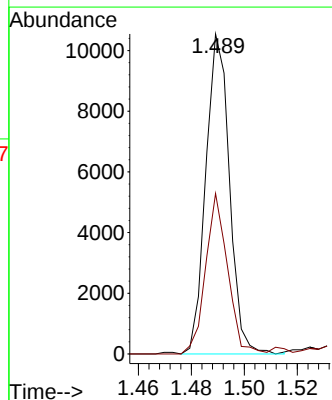
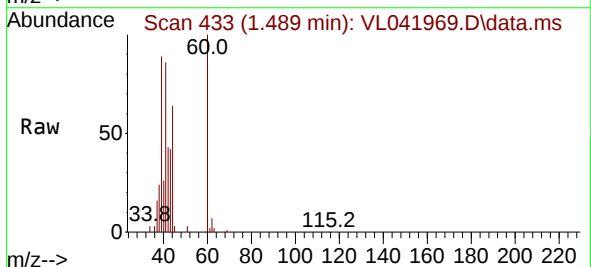
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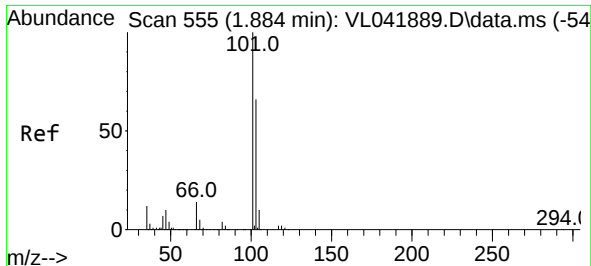
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#9
Propene
Concen: 0.711 ppbv m
RT: 1.489 min Scan# 433
Delta R.T. 0.003 min
Lab File: VL041969.D
Acq: 03 Feb 2025 17:41

Tgt Ion: 41 Resp: 6544
Ion Ratio Lower Upper
41 100
42 46.3 52.0 78.0





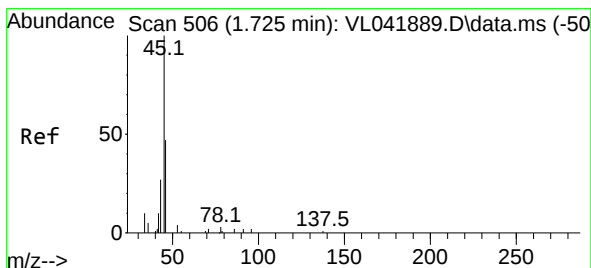
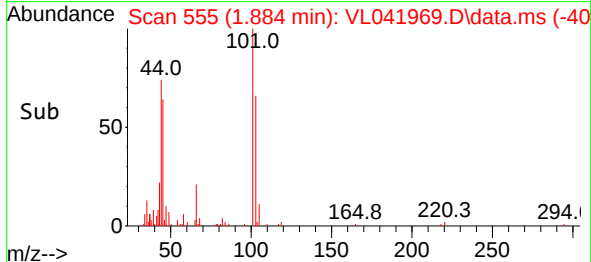
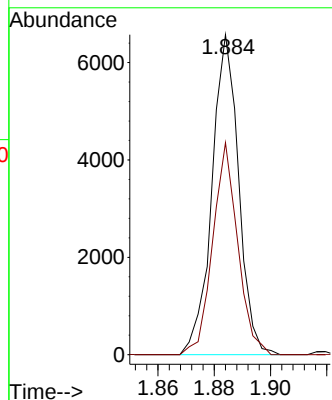
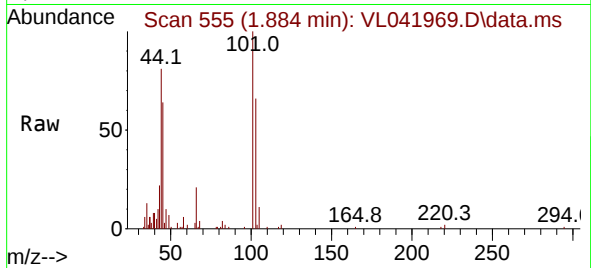
#11
Trichlorofluoromethane
Concen: 0.195 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL041969.D
Acq: 03 Feb 2025 17:41

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 4332
Ion Ratio Lower Upper
101 100
103 68.2 53.1 79.7

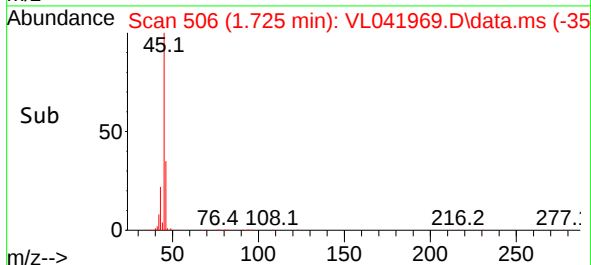
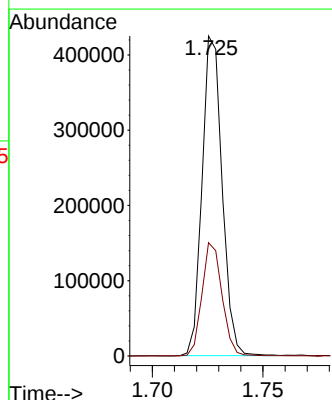
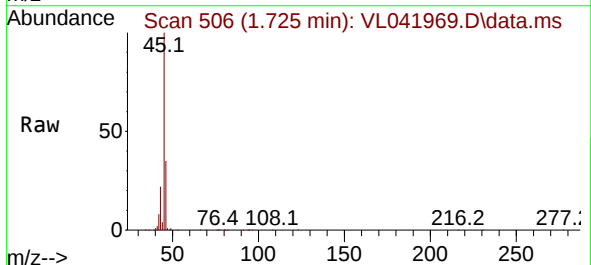
Manual Integrations
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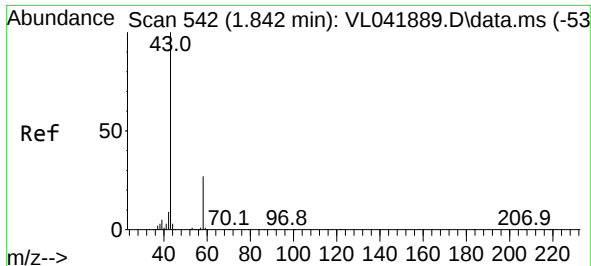
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#13
Ethanol
Concen: 396.360 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL041969.D
Acq: 03 Feb 2025 17:41

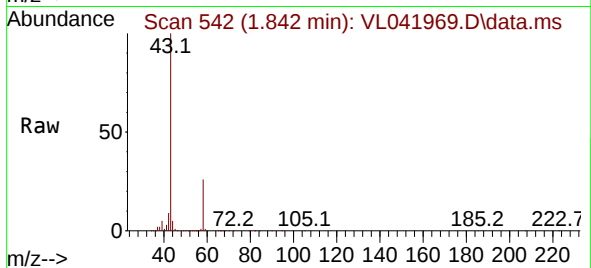
Tgt Ion: 45 Resp: 267111
Ion Ratio Lower Upper
45 100
46 35.7 18.1 72.5





#15
Acetone
Concen: 5.258 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL041969.D
Acq: 03 Feb 2025 17:41

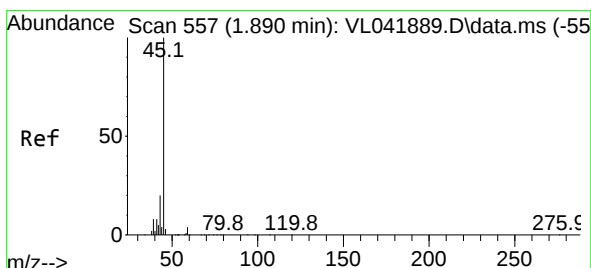
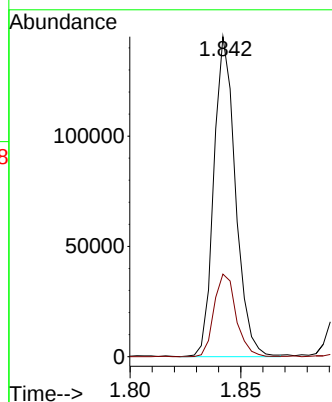
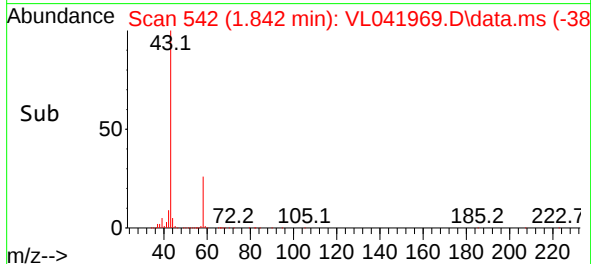
Instrument :
MSVOA_L
ClientSampleId :
OA1



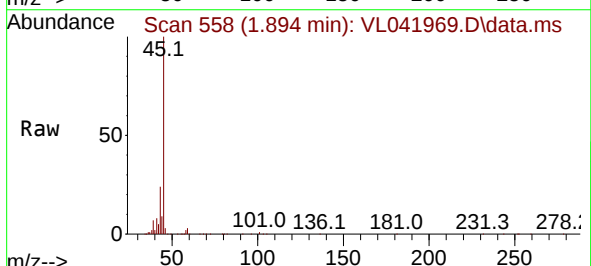
Tgt Ion: 43 Resp: 9884
Ion Ratio Lower Upper
43 100
58 26.4 21.9 32.9

Manual Integrations
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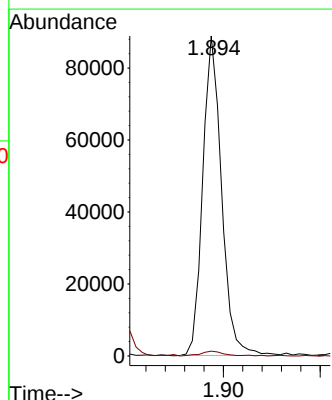
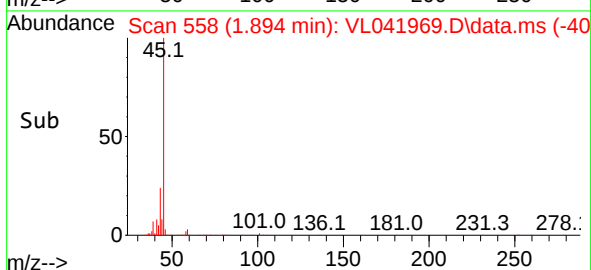
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

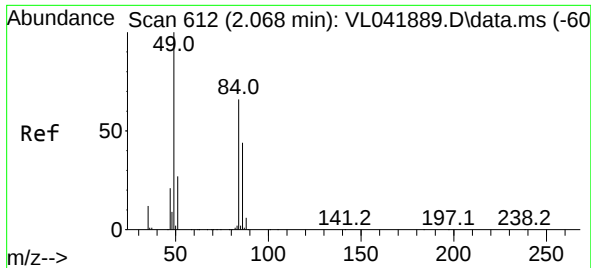


#19
Isopropyl Alcohol
Concen: 5.382 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.003 min
Lab File: VL041969.D
Acq: 03 Feb 2025 17:41



Tgt Ion: 45 Resp: 59985
Ion Ratio Lower Upper
45 100
58 2.1 35.0 52.6#





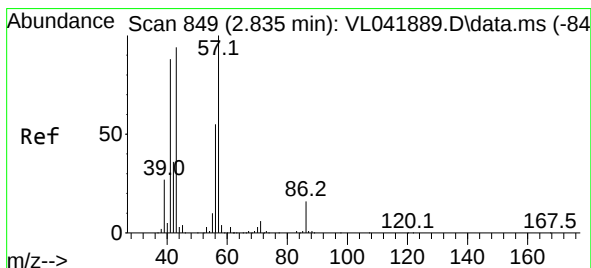
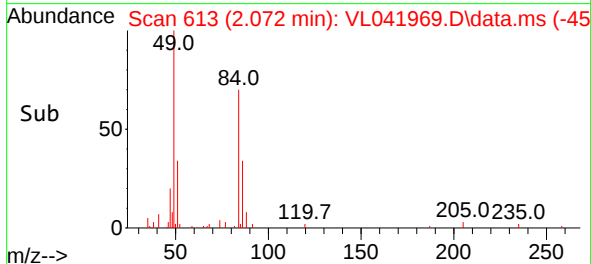
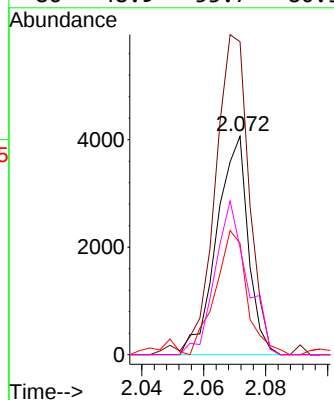
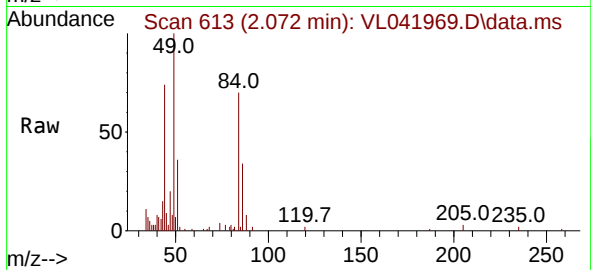
#20
Methylene Chloride
Concen: 0.386 ppbv
RT: 2.072 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL041969.D
Acq: 03 Feb 2025 17:41

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 84	Resp: 286
Ion Ratio	Lower Upper
84 100	
49 143.2	123.1 184.7
51 49.7	35.8 53.8
86 48.9	53.7 80.5

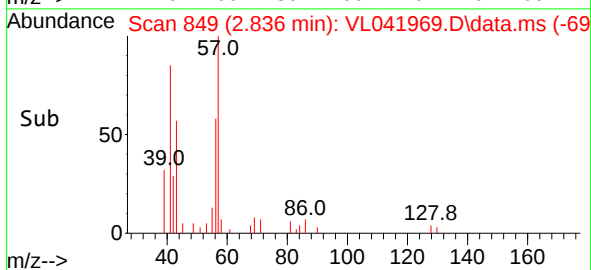
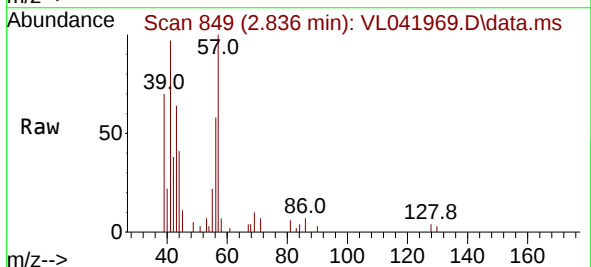
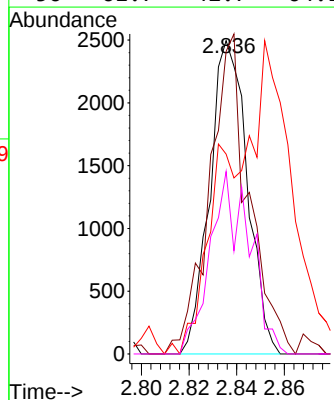
Manual Integrations
APPROVED

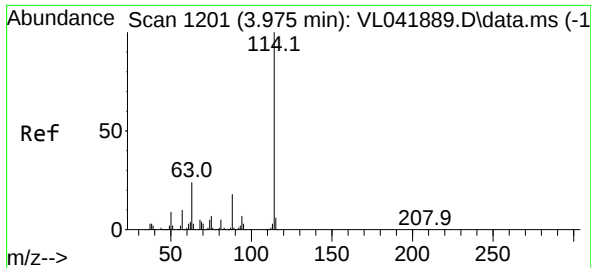
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#26
Hexane
Concen: 0.136 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.000 min
Lab File: VL041969.D
Acq: 03 Feb 2025 17:41

Tgt Ion: 57	Resp: 2731
Ion Ratio	Lower Upper
57 100	
41 108.8	73.8 110.8
43 173.7	197.3 295.9#
56 61.7	42.7 64.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL041969.D

Acq: 03 Feb 2025 17:41

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:114 Resp: 426360

Ion Ratio Lower Upper

114 100

63 24.1 19.8 29.6

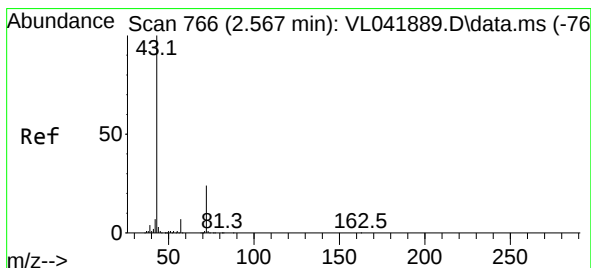
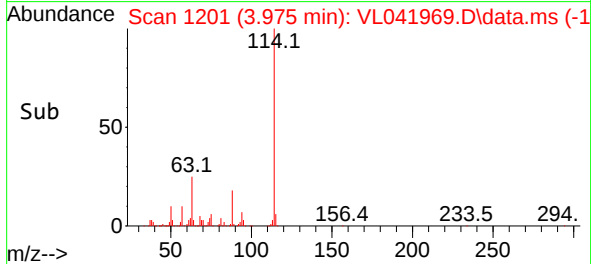
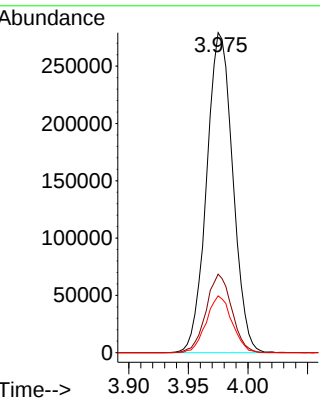
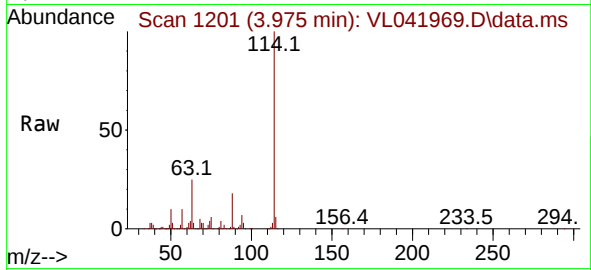
88 17.5 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025

Supervised By :Mahesh Dadoda 02/04/2025



#34

2-Butanone

Concen: 0.369 ppbv

RT: 2.577 min Scan# 769

Delta R.T. 0.010 min

Lab File: VL041969.D

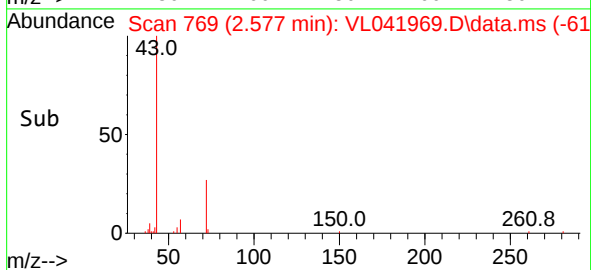
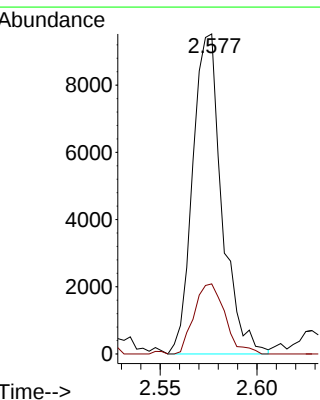
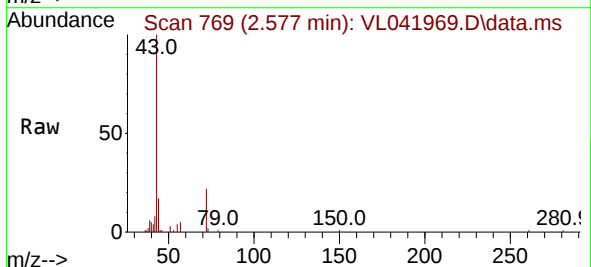
Acq: 03 Feb 2025 17:41

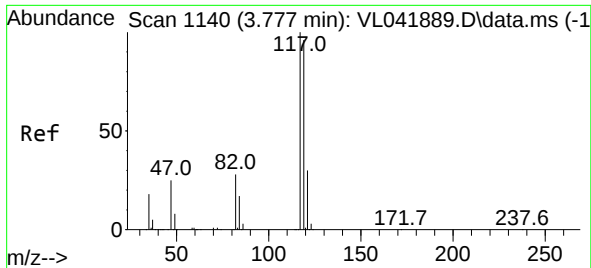
Tgt Ion: 43 Resp: 10009

Ion Ratio Lower Upper

43 100

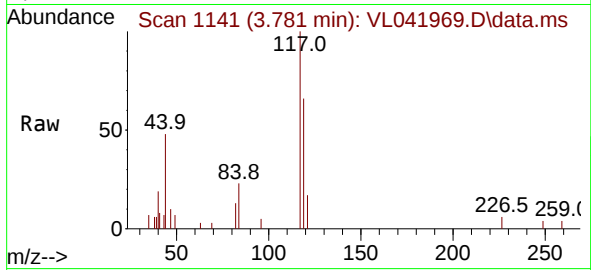
72 23.1 18.6 28.0





#35
Carbon Tetrachloride
Concen: 0.073 ppbv
RT: 3.781 min Scan# 1140
Delta R.T. 0.003 min
Lab File: VL041969.D
Acq: 03 Feb 2025 17:41

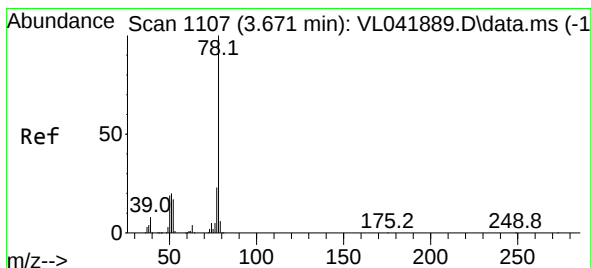
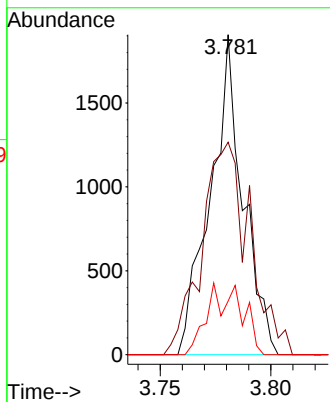
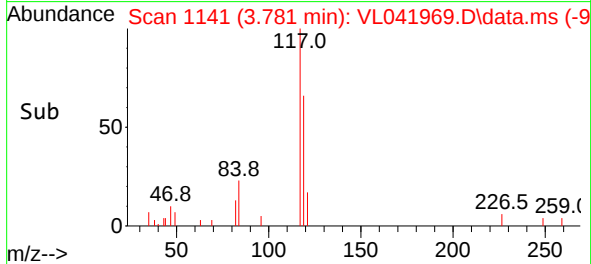
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 117 Resp: 1954
Ion Ratio Lower Upper
117 100
119 61.2 76.9 115.3
121 16.8 23.8 35.6

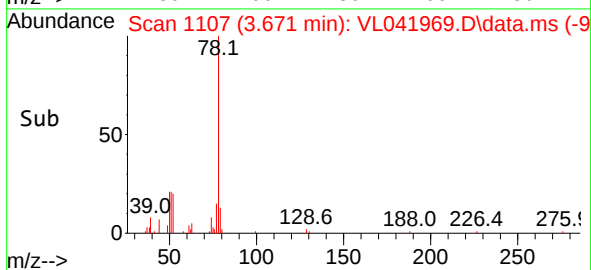
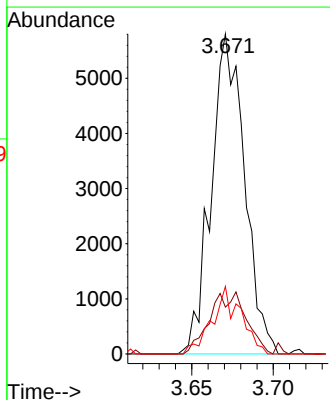
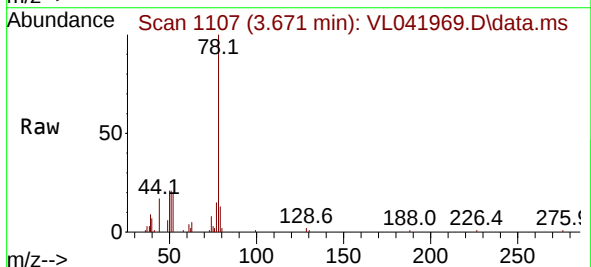
Manual Integrations
APPROVED

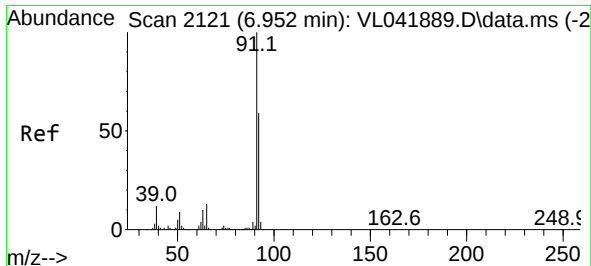
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#36
Benzene
Concen: 0.211 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VL041969.D
Acq: 03 Feb 2025 17:41

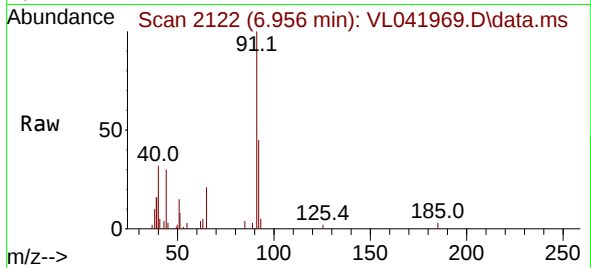
Tgt Ion: 78 Resp: 8262
Ion Ratio Lower Upper
78 100
77 14.6 18.1 27.1
50 21.1 15.2 22.8





#53
Toluene
Concen: 0.159 ppbv
RT: 6.956 min Scan# 2121
Delta R.T. 0.003 min
Lab File: VL041969.D
Acq: 03 Feb 2025 17:41

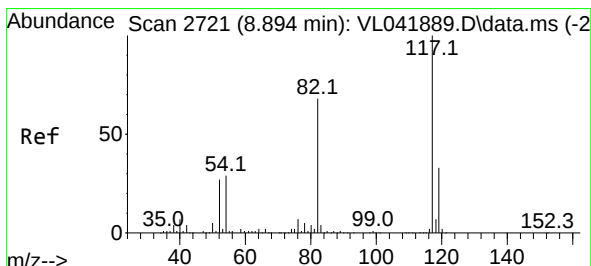
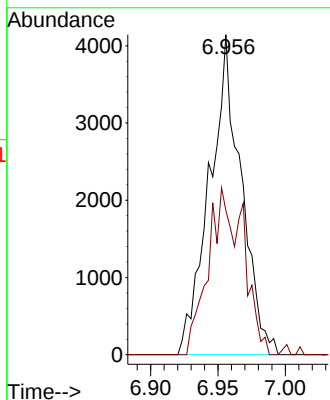
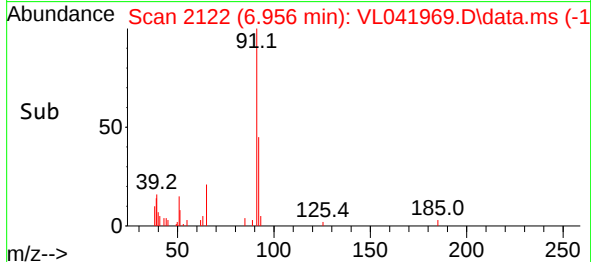
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 91 Resp: 6774
Ion Ratio Lower Upper
91 100
92 58.8 47.4 71.0

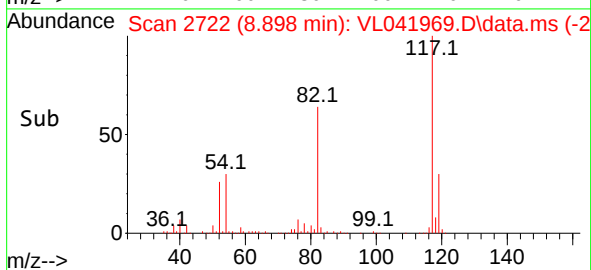
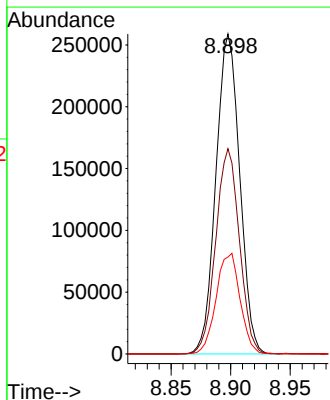
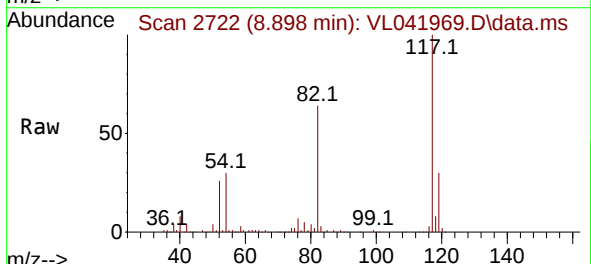
Manual Integrations
APPROVED

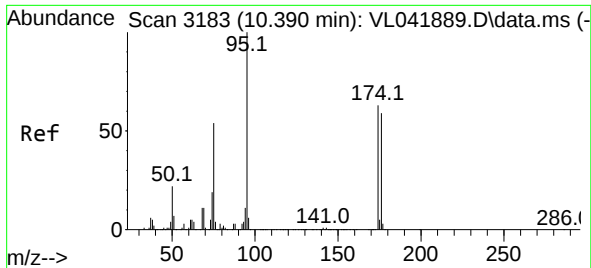
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. 0.003 min
Lab File: VL041969.D
Acq: 03 Feb 2025 17:41

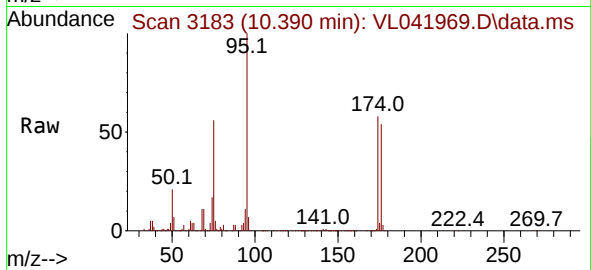
Tgt Ion:117 Resp: 359092
Ion Ratio Lower Upper
117 100
82 63.9 54.2 81.4
119 31.8 25.0 37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.574 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. 0.000 min
 Lab File: VL041969.D
 Acq: 03 Feb 2025 17:41

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion:	95	Resp:	27079
Ion Ratio	Lower	Upper	
95	100		
174	59.2	49.0	73.4
175	4.5	3.8	5.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025
 Supervised By :Mahesh Dadoda 02/04/2025

