

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041926.D
 Acq On : 20 Jan 2025 18:42
 Operator : SY/MD
 Sample : Q1090-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Quant Time: Jan 21 03:06:50 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

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/21/2025
 Supervised By : Mahesh Dadoda 01/21/2025

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

Internal Standards						
1) Bromochloromethane	2.781	49	137146	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.949	114	387237	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.869	117	334961	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	263580	9.991	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	7946	0.425	ppbv	97
3) Chlorodifluoromethane	1.473	51	5437m	0.278	ppbv	
4) Chloromethane	1.528	50	4029	0.573	ppbv	96
9) Propene	1.483	41	4937	0.612	ppbv	87
11) Trichlorofluoromethane	1.871	101	4219	0.217	ppbv #	82
13) Ethanol	1.716	45	12774	21.632	ppbv	84
15) Acetone	1.832	43	52519	3.188	ppbv	96
19) Isopropyl Alcohol	1.884	45	6643	0.680	ppbv #	1
20) Methylene Chloride	2.056	84	1937	0.298	ppbv	87
34) 2-Butanone	2.557	43	4619	0.188	ppbv	98
35) Carbon Tetrachloride	3.752	117	1801m	0.074	ppbv	
36) Benzene	3.648	78	6494	0.183	ppbv #	79
53) Toluene	6.914	91	7030m	0.182	ppbv	
59) m/p-Xylene	9.522	91	4163m	0.099	ppbv	

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

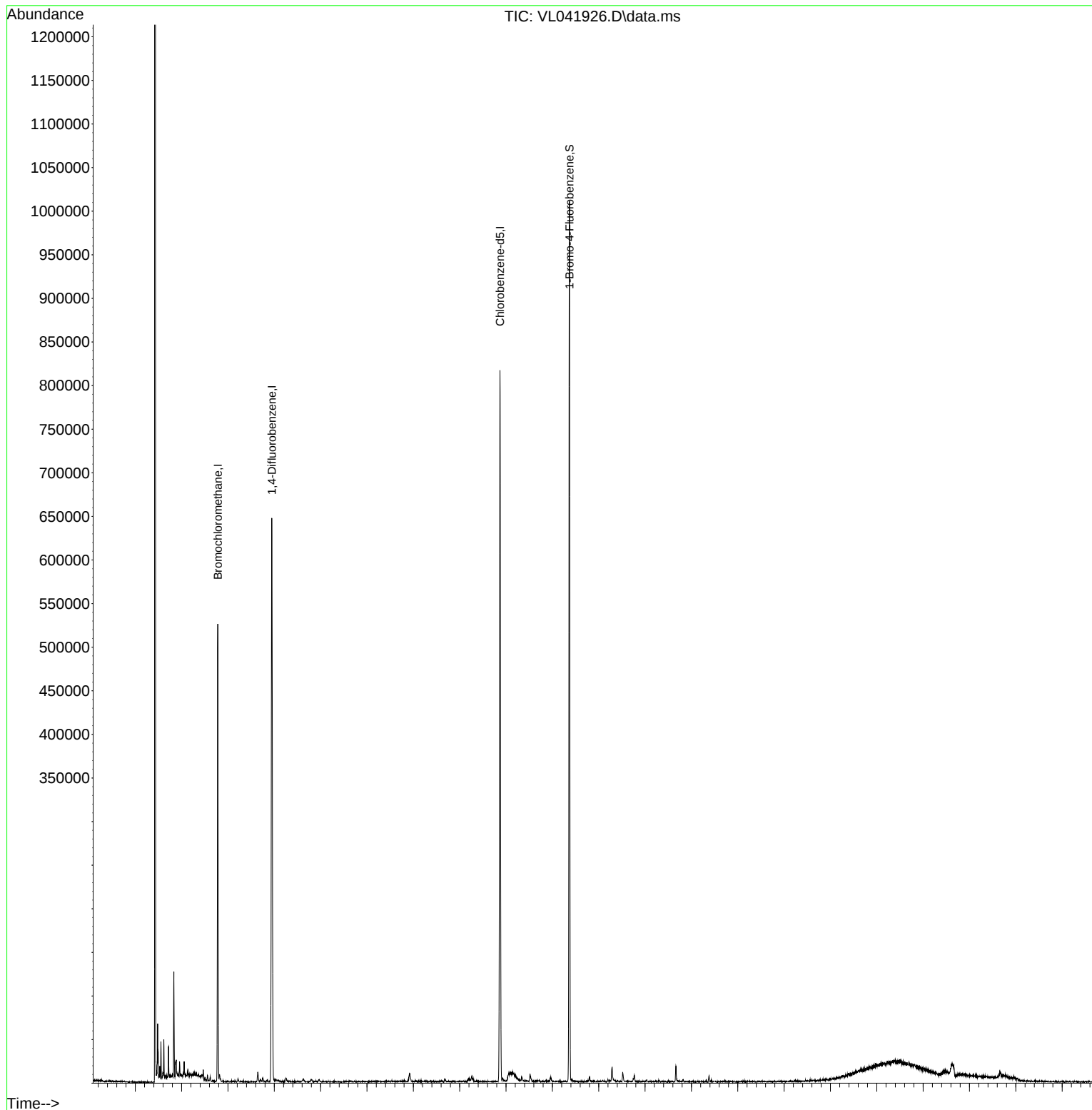
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Data File : VL041926.D
Acq On : 20 Jan 2025 18:42
Operator : SY/MD
Sample : Q1090-05
Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

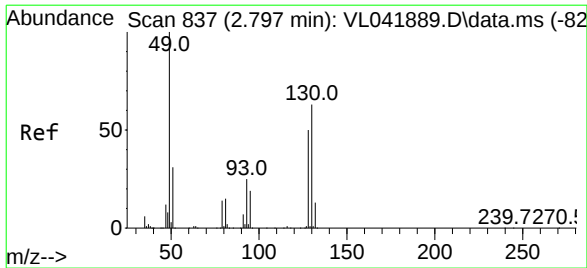
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jan 21 03:06:50 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

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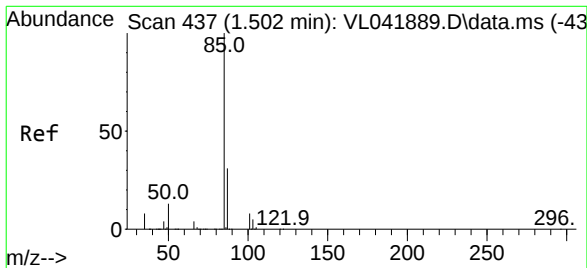
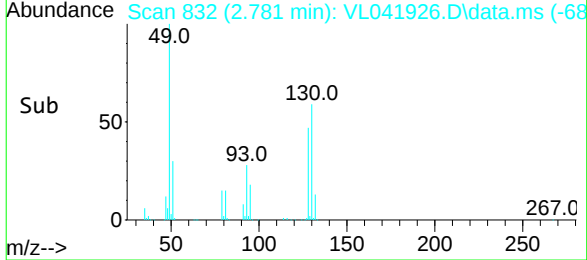
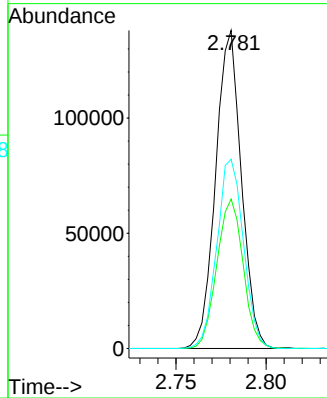
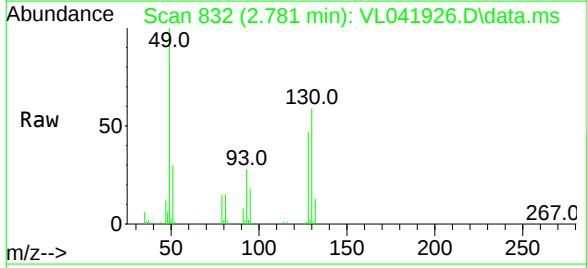
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 837
Delta R.T. -0.016 min
Lab File: VL041926.D
Acq: 20 Jan 2025 18:42

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 137146
Ion Ratio Lower Upper
49 100
128 48.0 24.3 73.0
130 61.7 31.1 93.2

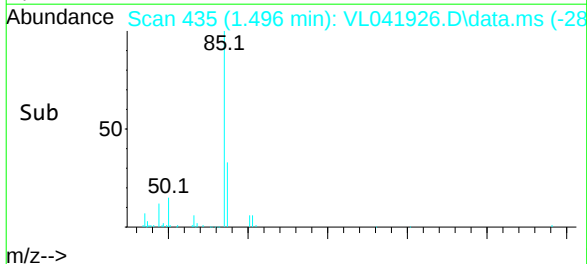
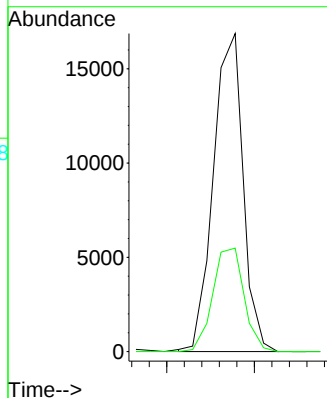
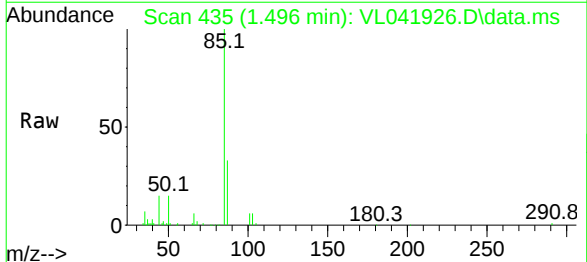
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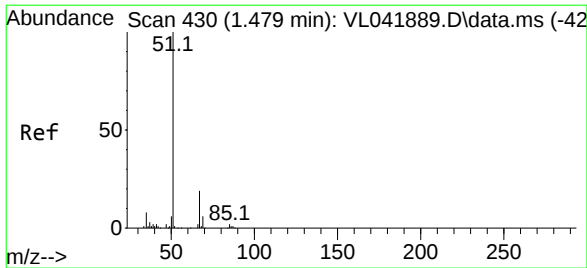
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Supervised By :Mahesh Dadoda 01/21/2025



#2
Dichlorodifluoromethane
Concen: 0.425 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.006 min
Lab File: VL041926.D
Acq: 20 Jan 2025 18:42

Tgt Ion: 85 Resp: 7946
Ion Ratio Lower Upper
85 100
87 32.5 24.9 37.3





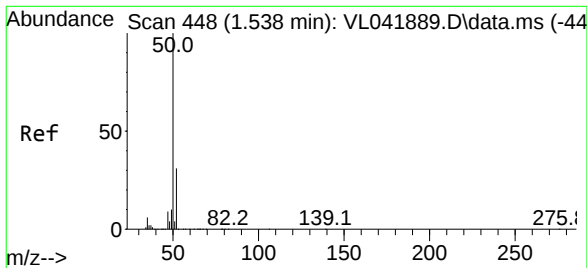
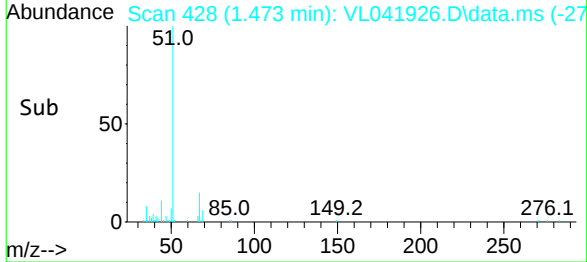
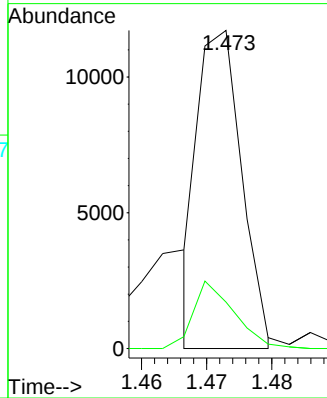
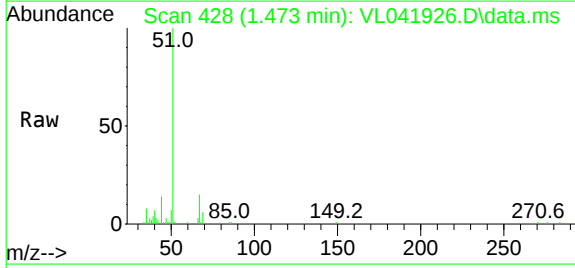
#3
Chlorodifluoromethane
Concen: 0.278 ppbv m
RT: 1.473 min Scan# 42
Delta R.T. -0.006 min
Lab File: VL041926.D
Acq: 20 Jan 2025 18:42

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 5437
Ion Ratio Lower Upper
51 100
67 20.9 15.0 22.4

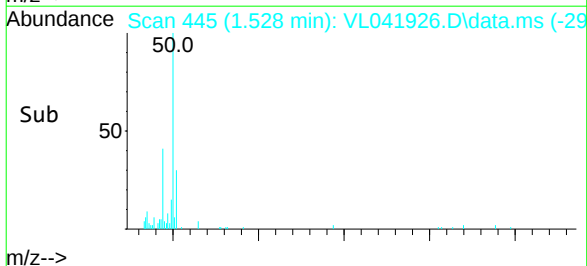
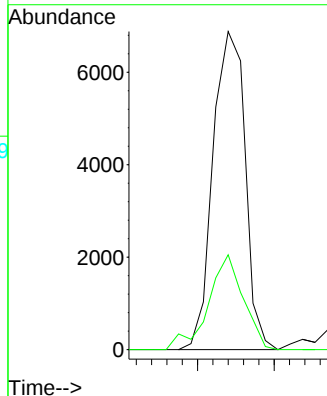
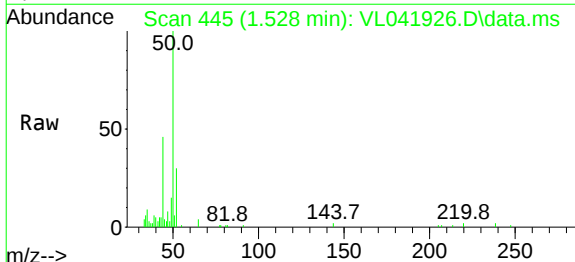
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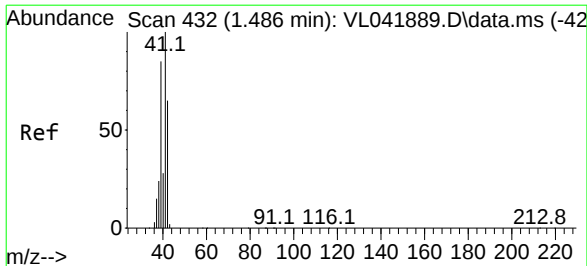
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#4
Chloromethane
Concen: 0.573 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.010 min
Lab File: VL041926.D
Acq: 20 Jan 2025 18:42

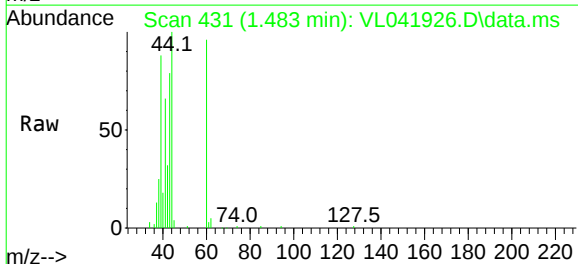
Tgt Ion: 50 Resp: 4029
Ion Ratio Lower Upper
50 100
52 28.2 24.6 36.8





#9
 Propene
 Concen: 0.612 ppbv
 RT: 1.483 min Scan# 43
 Delta R.T. -0.003 min
 Lab File: VL041926.D
 Acq: 20 Jan 2025 18:42

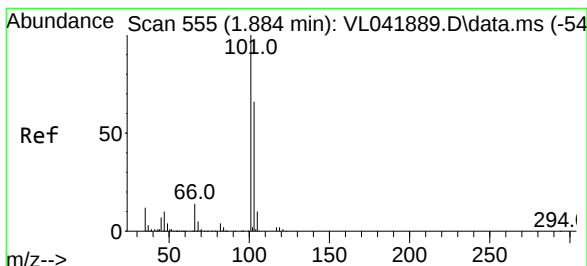
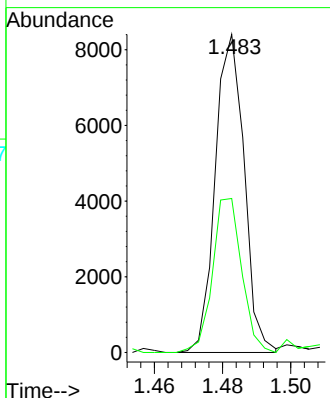
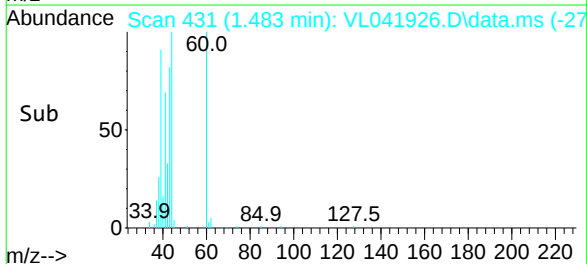
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 41 Resp: 4937
 Ion Ratio Lower Upper
 41 100
 42 54.8 52.0 78.0

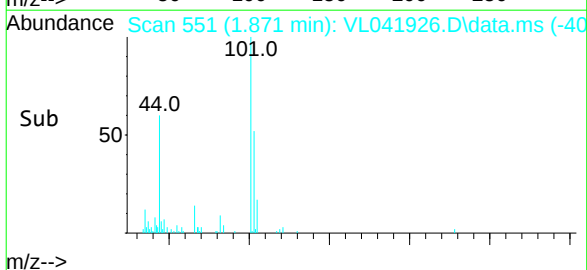
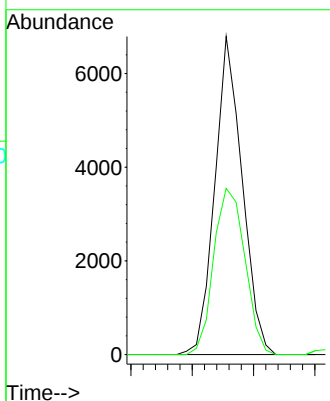
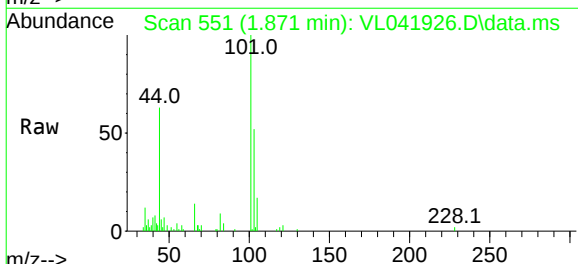
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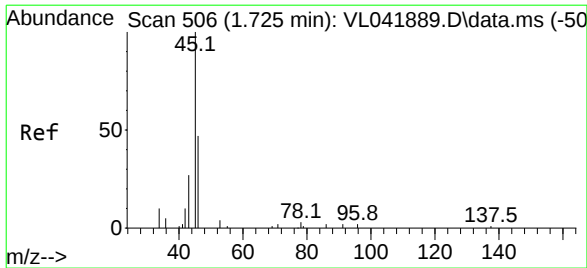
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025



#11
 Trichlorofluoromethane
 Concen: 0.217 ppbv
 RT: 1.871 min Scan# 551
 Delta R.T. -0.013 min
 Lab File: VL041926.D
 Acq: 20 Jan 2025 18:42

Tgt Ion:101 Resp: 4219
 Ion Ratio Lower Upper
 101 100
 103 52.3 53.1 79.7#





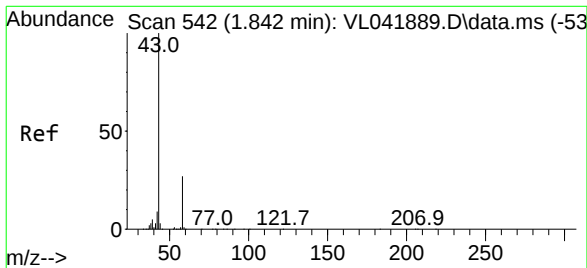
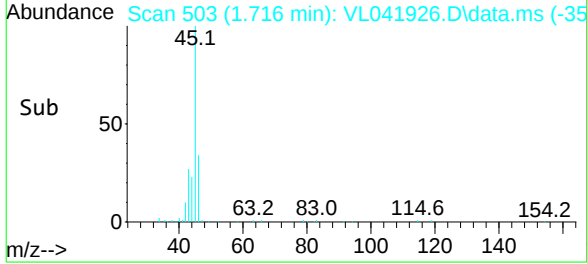
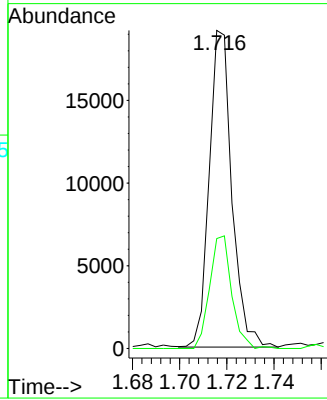
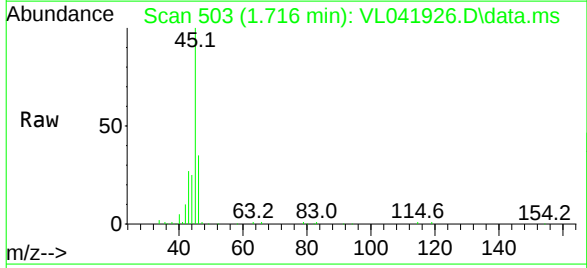
#13
Ethanol
Concen: 21.632 ppbv
RT: 1.716 min Scan# 506
Delta R.T. -0.010 min
Lab File: VL041926.D
Acq: 20 Jan 2025 18:42

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 12774
Ion Ratio Lower Upper
45 100
46 34.6 18.1 72.5

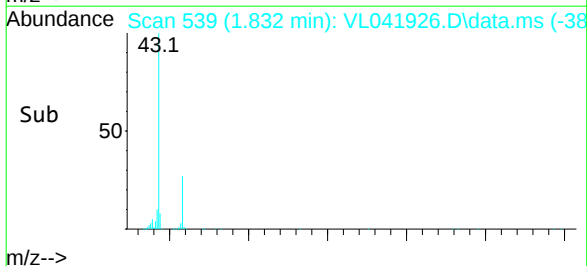
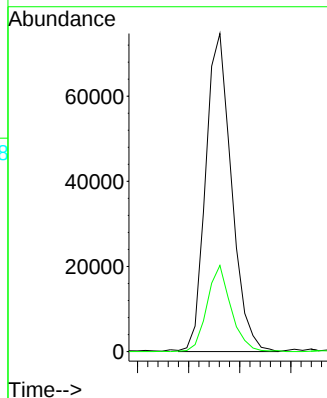
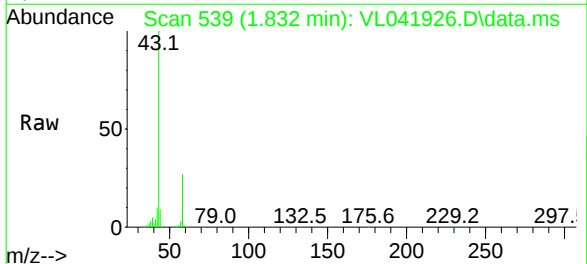
Manual Integrations
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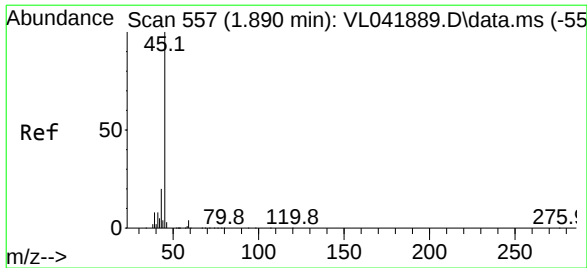
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#15
Acetone
Concen: 3.188 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.010 min
Lab File: VL041926.D
Acq: 20 Jan 2025 18:42

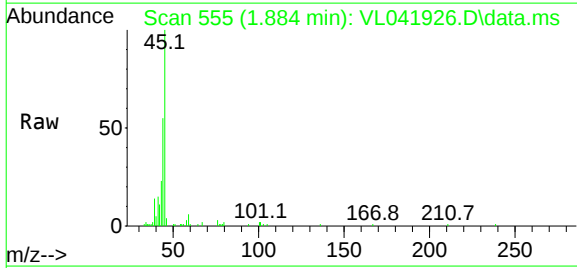
Tgt Ion: 43 Resp: 52519
Ion Ratio Lower Upper
43 100
58 25.4 21.9 32.9





#19
Isopropyl Alcohol
Concen: 0.680 ppbv
RT: 1.884 min Scan# 557
Delta R.T. -0.006 min
Lab File: VL041926.D
Acq: 20 Jan 2025 18:42

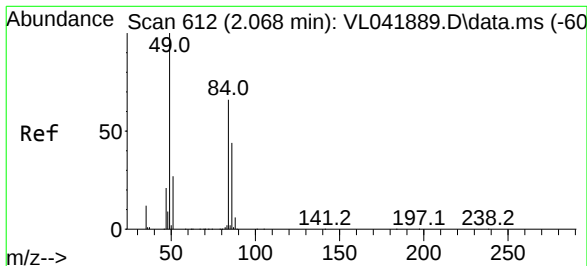
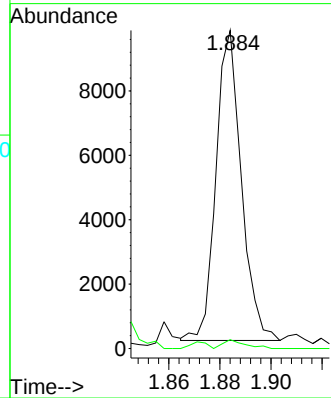
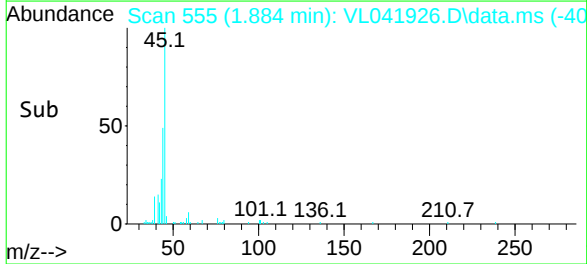
Instrument :
MSVOA_L
ClientSampleId :
OA1



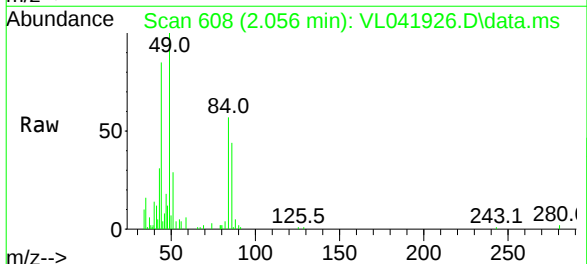
Tgt Ion: 45 Resp: 6643
Ion Ratio Lower Upper
45 100
58 200.9 35.0 52.6

Manual Integrations
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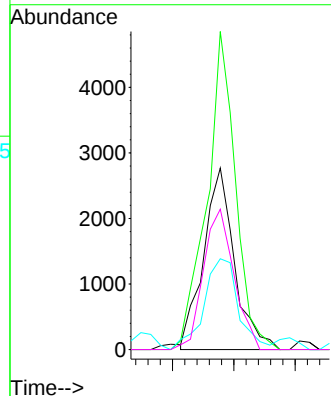
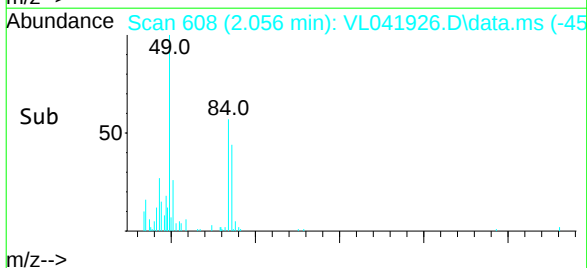
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Supervised By :Mahesh Dadoda 01/21/2025

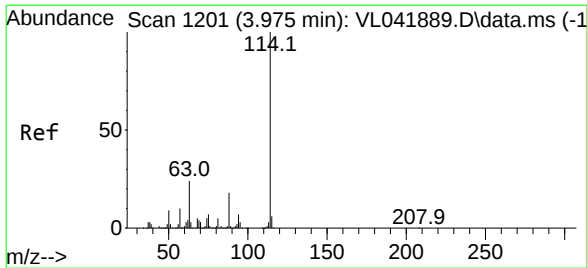


#20
Methylene Chloride
Concen: 0.298 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.013 min
Lab File: VL041926.D
Acq: 20 Jan 2025 18:42



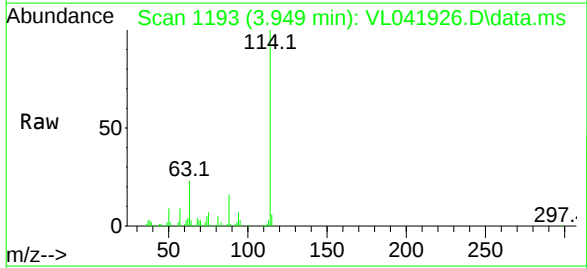
Tgt Ion: 84 Resp: 1937
Ion Ratio Lower Upper
84 100
49 175.2 123.1 184.7
51 44.5 35.8 53.8
86 77.4 53.7 80.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 11
Delta R.T. -0.026 min
Lab File: VL041926.D
Acq: 20 Jan 2025 18:42

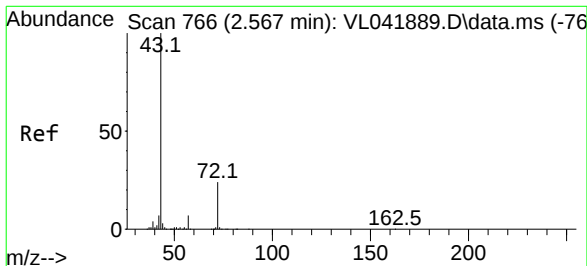
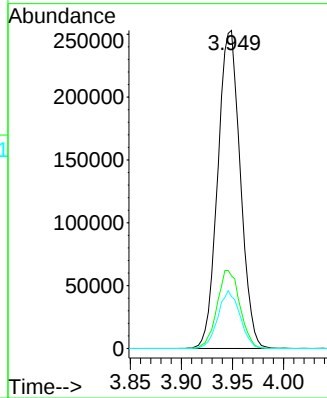
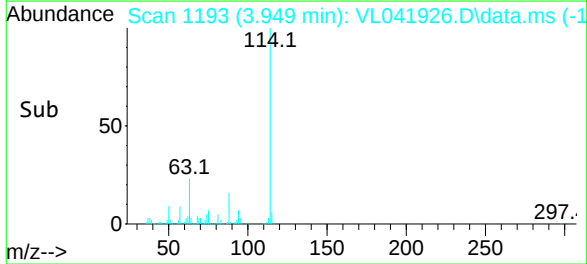
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 114 Resp: 387237
Ion Ratio Lower Upper
114 100
63 25.0 19.8 29.6
88 17.8 14.4 21.6

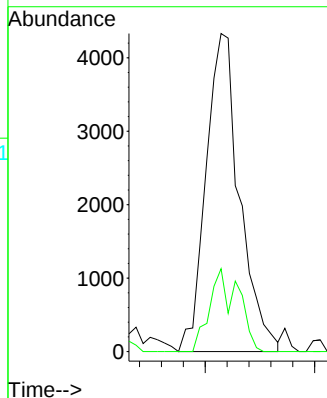
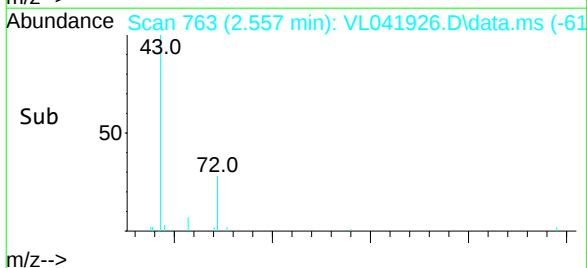
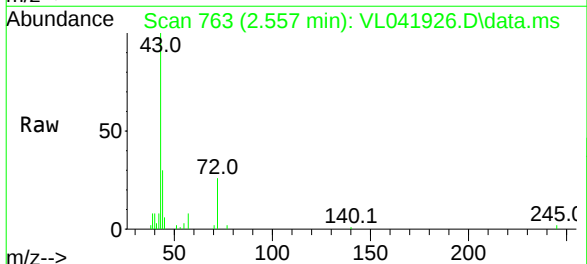
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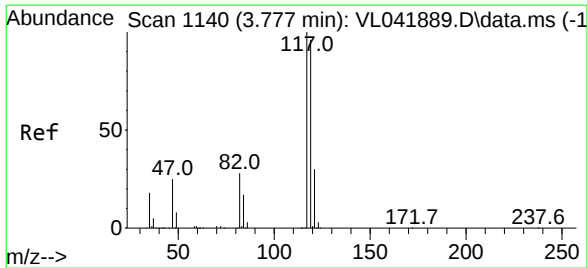
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#34
2-Butanone
Concen: 0.188 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.010 min
Lab File: VL041926.D
Acq: 20 Jan 2025 18:42

Tgt Ion: 43 Resp: 4619
Ion Ratio Lower Upper
43 100
72 22.3 18.6 28.0





#35

Carbon Tetrachloride

Concen: 0.074 ppbv m

RT: 3.752 min Scan# 11

Delta R.T. -0.026 min

Lab File: VL041926.D

Acq: 20 Jan 2025 18:42

Instrument :

MSVOA_L

ClientSampleId :

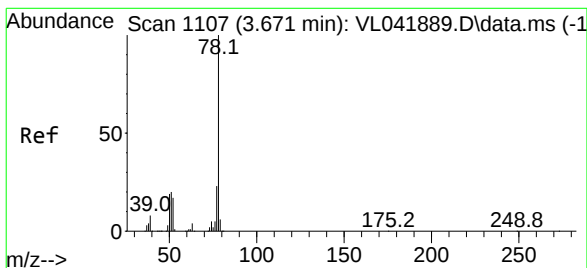
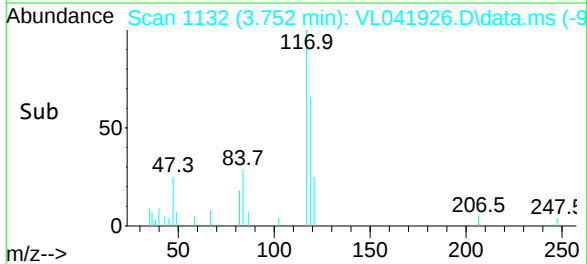
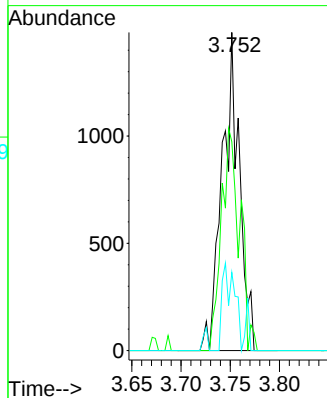
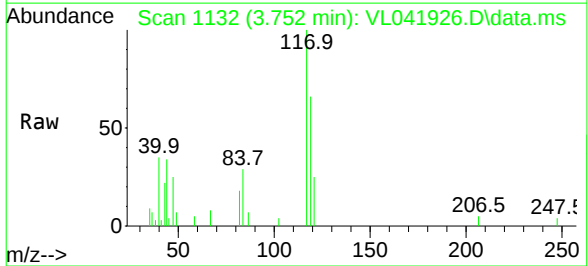
OA1

Tgt	Ion:117	Resp:	1801
Ion	Ratio	Lower	Upper
117	100		
119	65.6	76.9	115.3#
121	24.5	23.8	35.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#36

Benzene

Concen: 0.183 ppbv

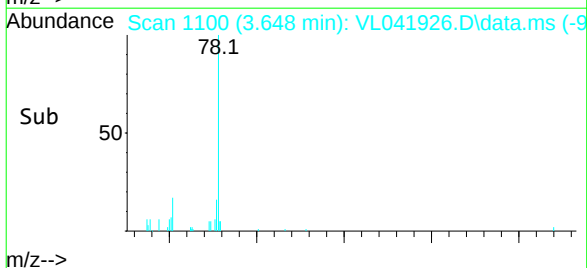
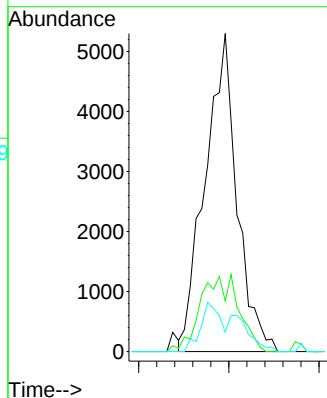
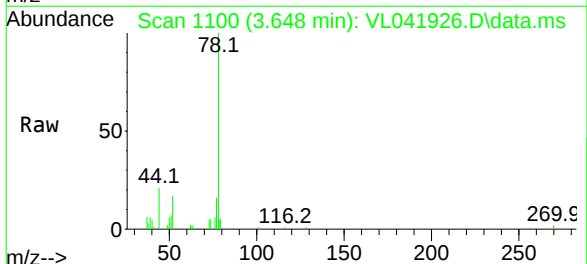
RT: 3.648 min Scan# 1100

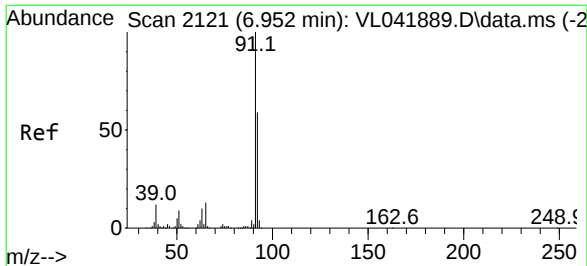
Delta R.T. -0.023 min

Lab File: VL041926.D

Acq: 20 Jan 2025 18:42

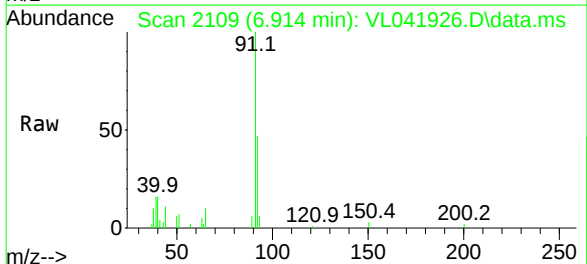
Tgt	Ion: 78	Resp:	6494
Ion	Ratio	Lower	Upper
78	100		
77	15.9	18.1	27.1#
50	6.1	15.2	22.8#





#53
Toluene
Concen: 0.182 ppbv m
RT: 6.914 min Scan# 211
Delta R.T. -0.039 min
Lab File: VL041926.D
Acq: 20 Jan 2025 18:42

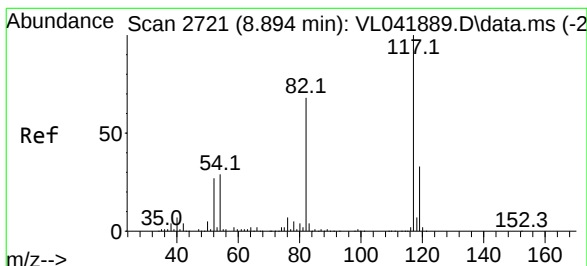
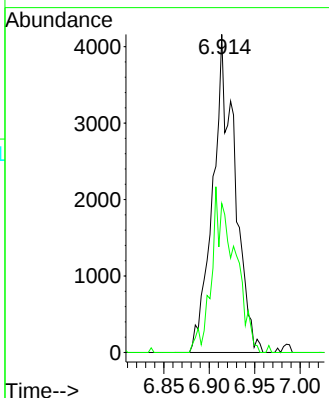
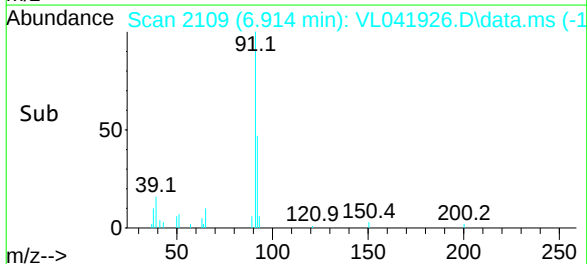
Instrument :
MSVOA_L
ClientSampleId :
OA1



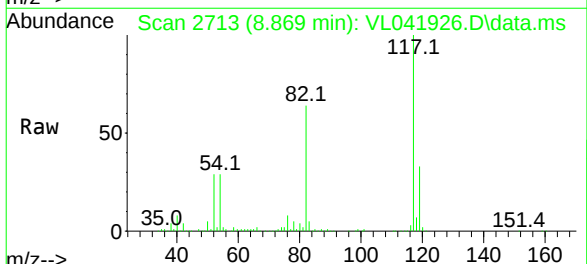
Tgt Ion: 91 Resp: 7036
Ion Ratio Lower Upper
91 100
92 54.7 47.4 71.0

Manual Integrations
APPROVED

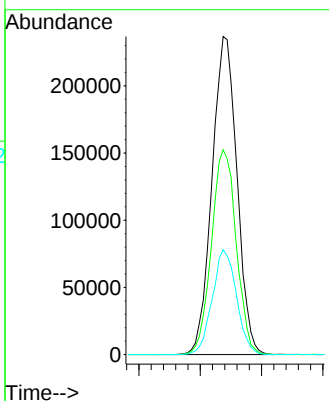
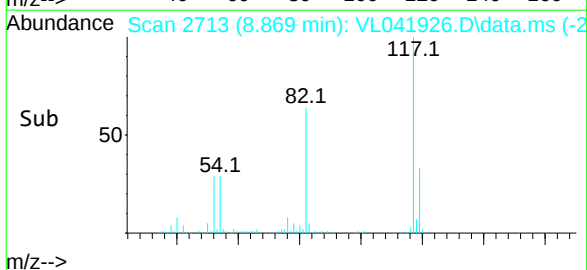
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

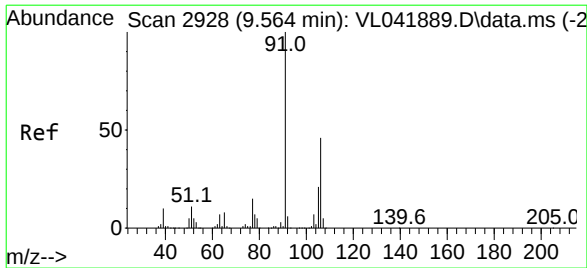


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2713
Delta R.T. -0.026 min
Lab File: VL041926.D
Acq: 20 Jan 2025 18:42



Tgt Ion:117 Resp: 334961
Ion Ratio Lower Upper
117 100
82 63.8 54.2 81.4
119 31.9 25.0 37.6





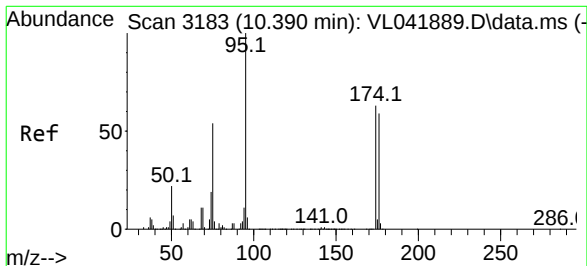
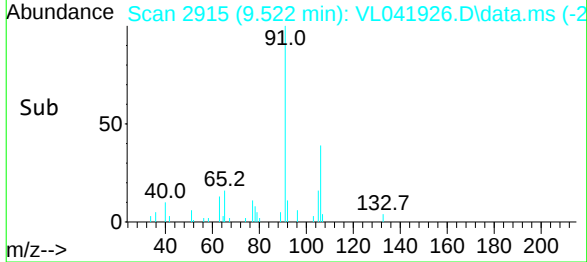
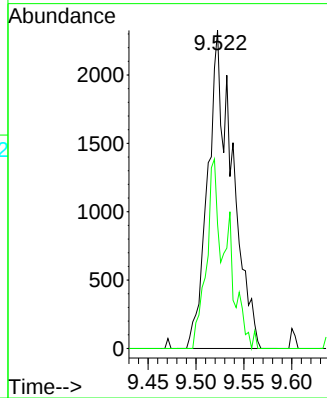
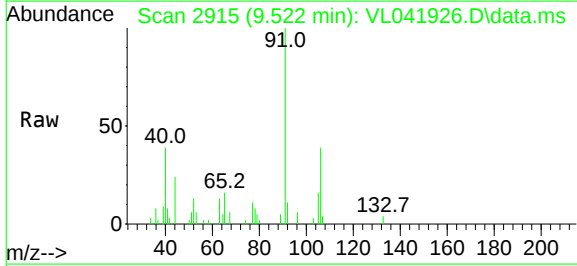
#59
m/p-Xylene
Concen: 0.099 ppbv m
RT: 9.522 min Scan# 2915
Delta R.T. -0.042 min
Lab File: VL041926.D
Acq: 20 Jan 2025 18:42

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 4163
Ion Ratio Lower Upper
91 100
106 0.0 36.0 54.0#

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.991 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.023 min
Lab File: VL041926.D
Acq: 20 Jan 2025 18:42

Tgt Ion: 95 Resp: 263580
Ion Ratio Lower Upper
95 100
174 58.8 49.0 73.4
175 4.5 3.8 5.8

