

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022625\
 Data File : VL042059.D
 Acq On : 26 Feb 2025 13:52
 Operator : SY/MD
 Sample : Q1430-06DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025

Quant Time: Feb 27 00:29:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

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

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	154763	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	360278	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	302318	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	236630	10.174	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	1994	0.124	ppbv #	84
3) Chlorodifluoromethane	1.479	51	7136	0.317	ppbv #	86
4) Chloromethane	1.538	50	2383	0.400	ppbv	92
9) Propene	1.489	41	3577m	0.390	ppbv	
13) Ethanol	1.729	45	8930	15.352	ppbv	99
15) Acetone	1.842	43	35219	2.577	ppbv	98
19) Isopropyl Alcohol	1.894	45	10182	1.297	ppbv #	26
20) Methylene Chloride	2.072	84	3176	0.614	ppbv #	81
26) Hexane	2.839	57	3474	0.157	ppbv #	56
34) 2-Butanone	2.573	43	5418	0.193	ppbv	94
53) Toluene	6.956	91	7738m	0.184	ppbv	

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

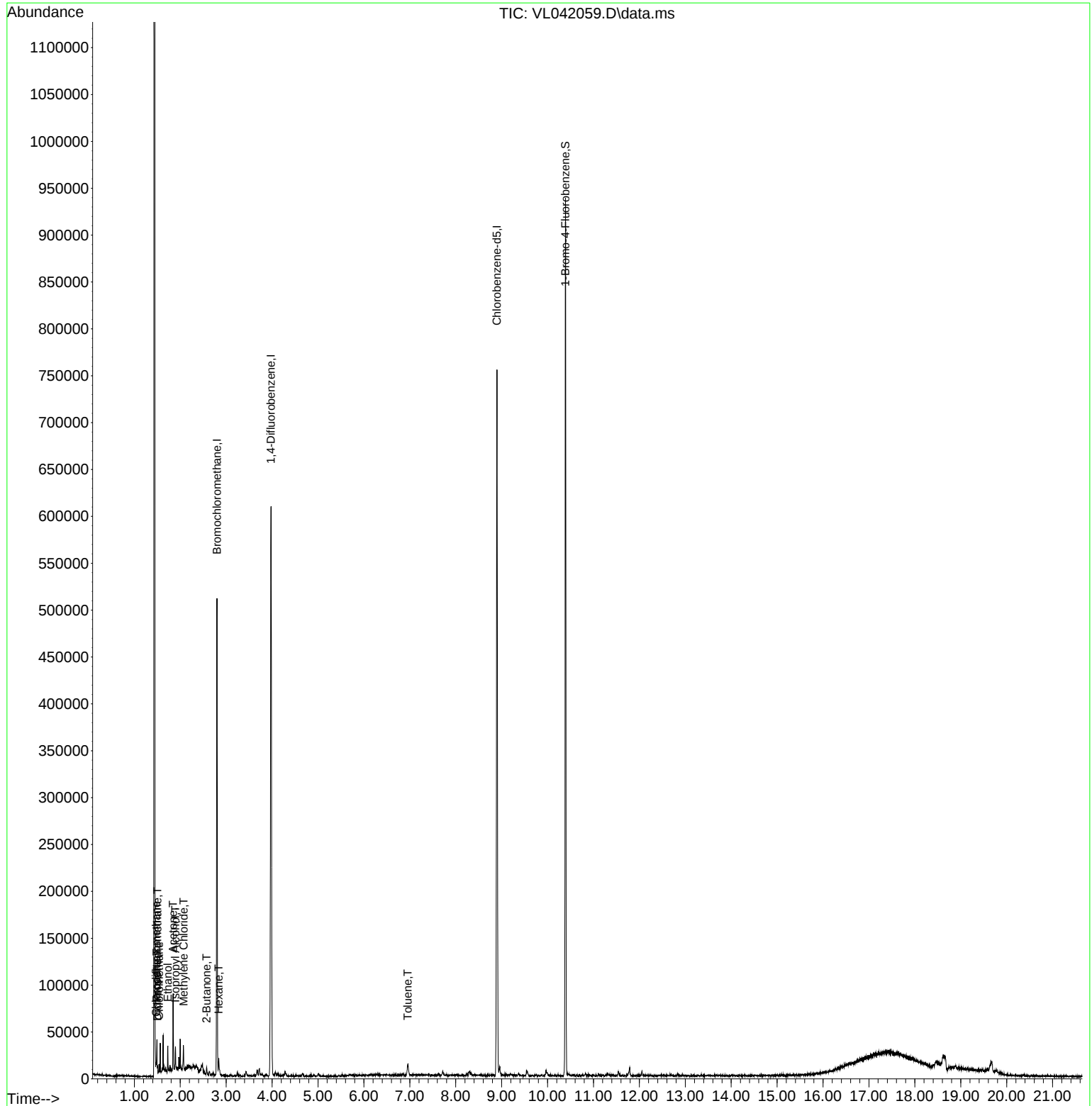
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022625\
Data File : VL042059.D
Acq On : 26 Feb 2025 13:52
Operator : SY/MD
Sample : Q1430-06DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

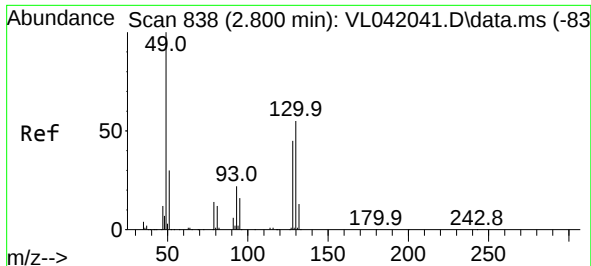
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Quant Time: Feb 27 00:29:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration





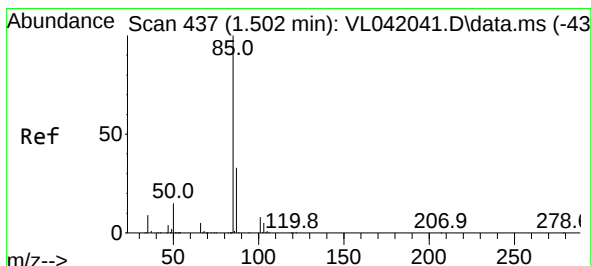
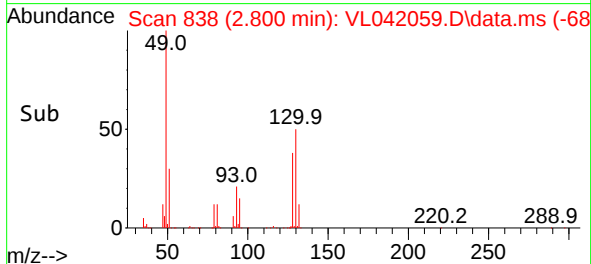
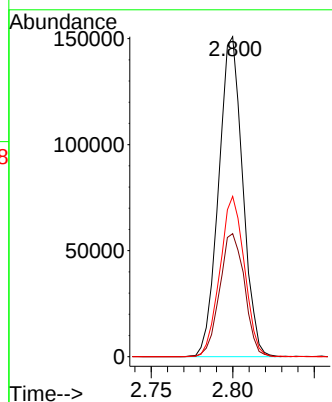
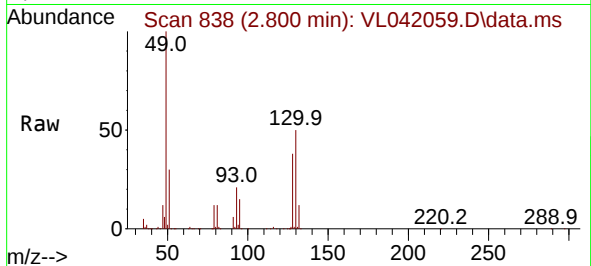
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. -0.000 min
Lab File: VL042059.D
Acq: 26 Feb 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Tgt Ion: 49 Resp: 15476
Ion Ratio Lower Upper
49 100
128 39.9 21.6 64.8
130 51.0 27.8 83.4

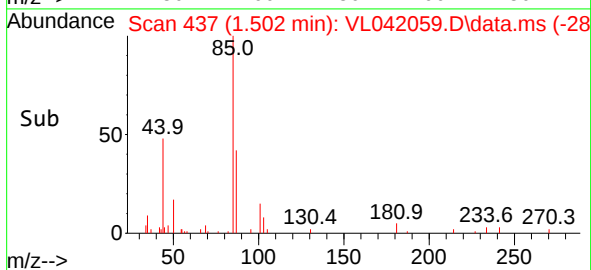
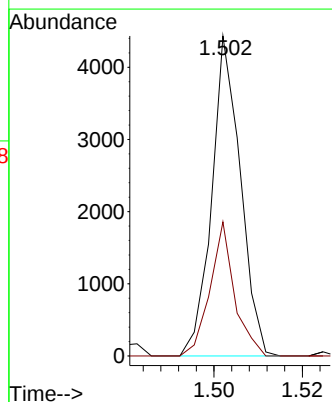
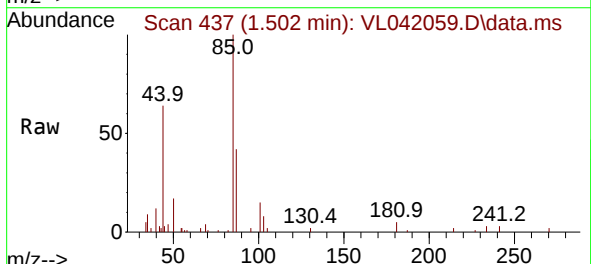
Manual Integrations
APPROVED

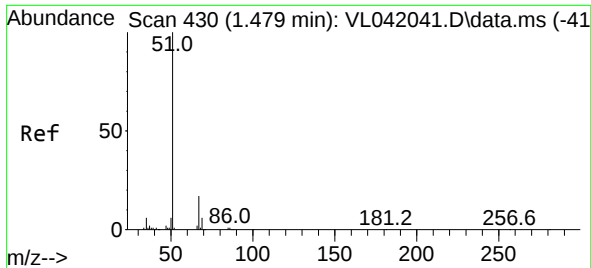
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#2
Dichlorodifluoromethane
Concen: 0.124 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042059.D
Acq: 26 Feb 2025 13:52

Tgt Ion: 85 Resp: 1994
Ion Ratio Lower Upper
85 100
87 41.9 26.4 39.6#





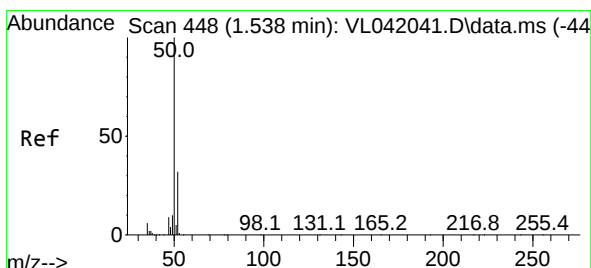
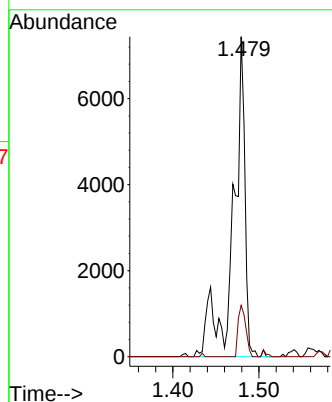
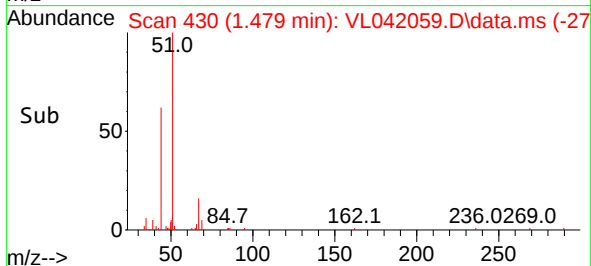
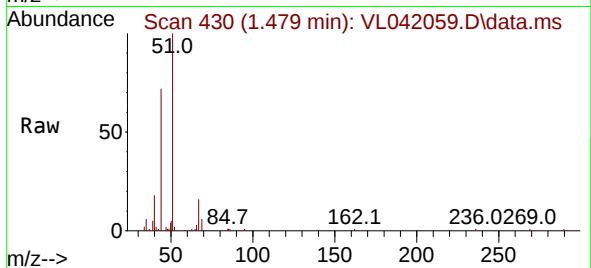
#3
Chlorodifluoromethane
Concen: 0.317 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042059.D
Acq: 26 Feb 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Tgt Ion: 51 Resp: 7130
Ion Ratio Lower Upper
51 100
67 10.9 13.7 20.5

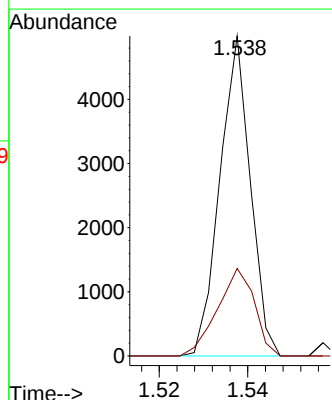
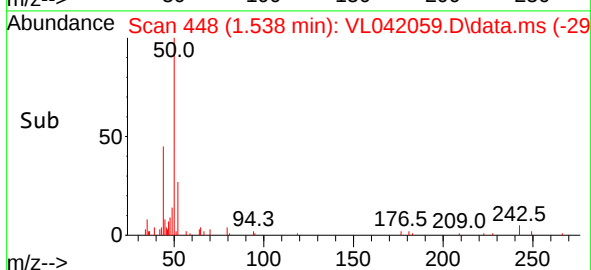
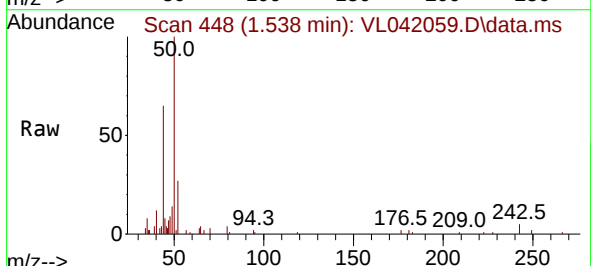
Manual Integrations
APPROVED

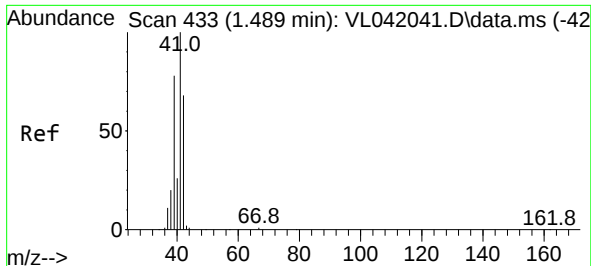
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#4
Chloromethane
Concen: 0.400 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042059.D
Acq: 26 Feb 2025 13:52

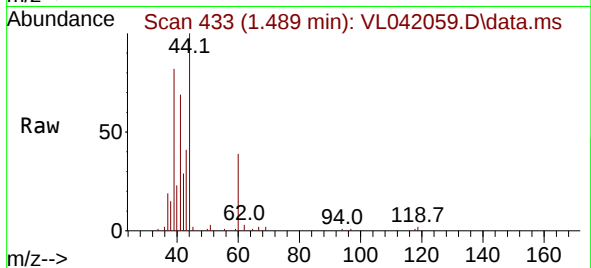
Tgt Ion: 50 Resp: 2383
Ion Ratio Lower Upper
50 100
52 27.3 25.4 38.0





#9
 Propene
 Concen: 0.390 ppbv m
 RT: 1.489 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042059.D
 Acq: 26 Feb 2025 13:52

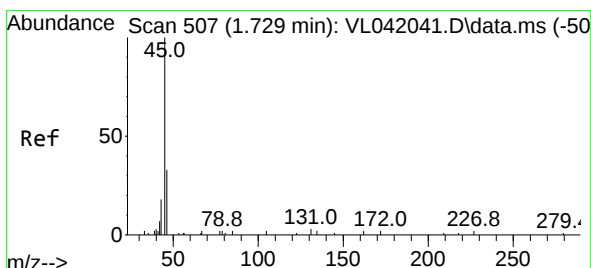
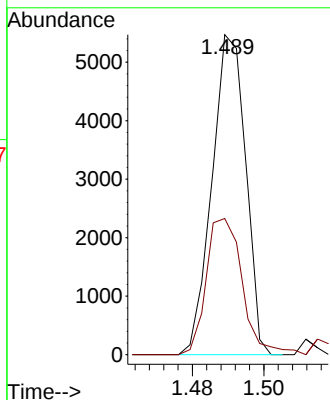
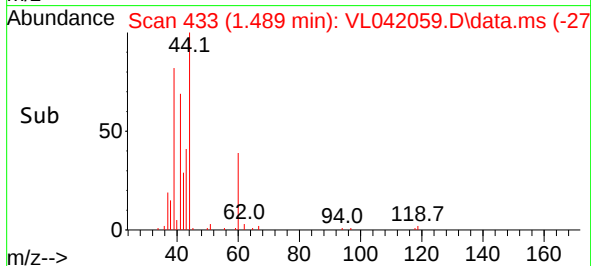
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL



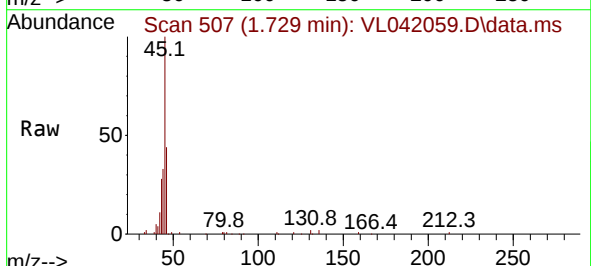
Tgt Ion: 41 Resp: 357
 Ion Ratio Lower Upper
 41 100
 42 17.3 55.8 83.6

Manual Integrations
 APPROVED

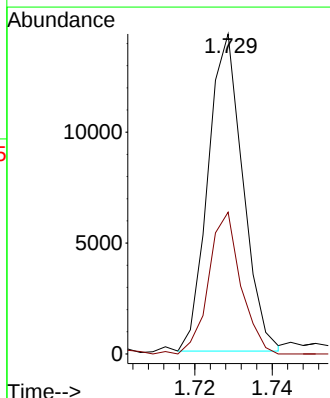
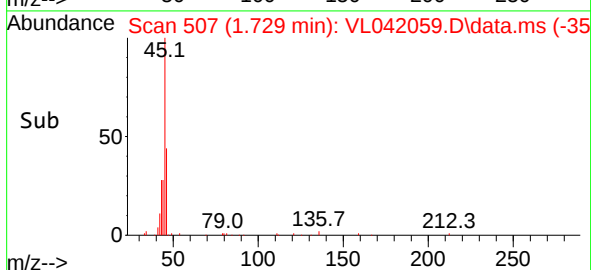
Reviewed By :Semsettin Yesilyurt 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025

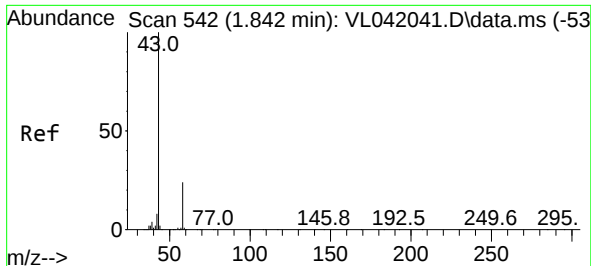


#13
 Ethanol
 Concen: 15.352 ppbv
 RT: 1.729 min Scan# 507
 Delta R.T. -0.000 min
 Lab File: VL042059.D
 Acq: 26 Feb 2025 13:52



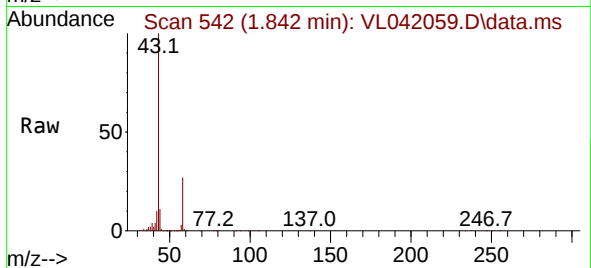
Tgt Ion: 45 Resp: 8930
 Ion Ratio Lower Upper
 45 100
 46 41.8 17.1 68.3





#15
Acetone
Concen: 2.577 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042059.D
Acq: 26 Feb 2025 13:52

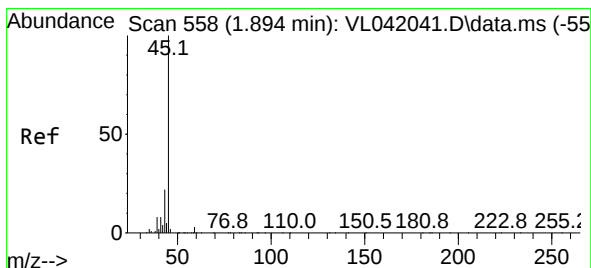
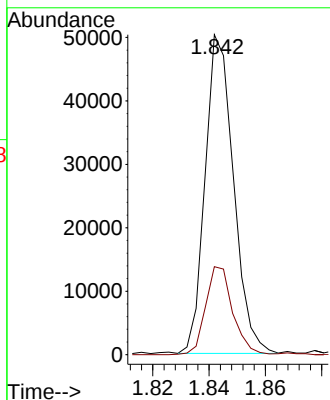
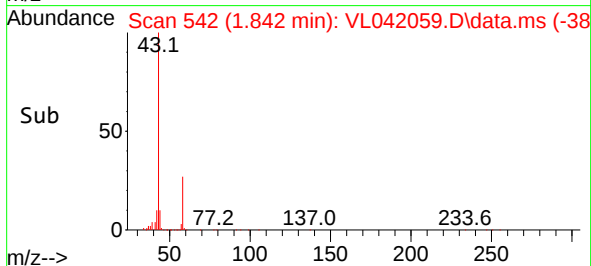
Instrument :
MSVOA_L
ClientSampleId :
OA1DL



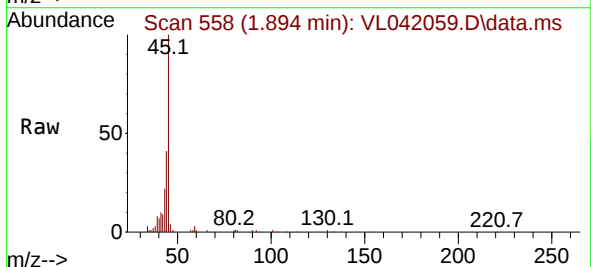
Tgt Ion: 43 Resp: 35219
Ion Ratio Lower Upper
43 100
58 26.9 20.7 31.1

Manual Integrations
APPROVED

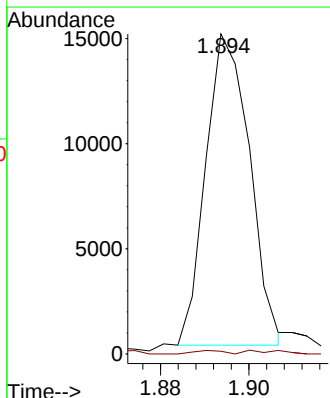
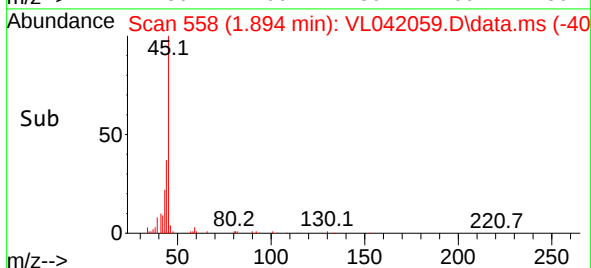
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

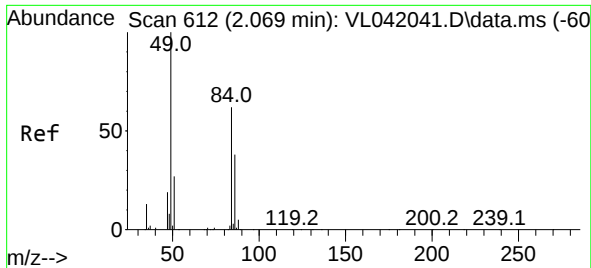


#19
Isopropyl Alcohol
Concen: 1.297 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.000 min
Lab File: VL042059.D
Acq: 26 Feb 2025 13:52



Tgt Ion: 45 Resp: 10182
Ion Ratio Lower Upper
45 100
58 92.3 35.3 52.9#





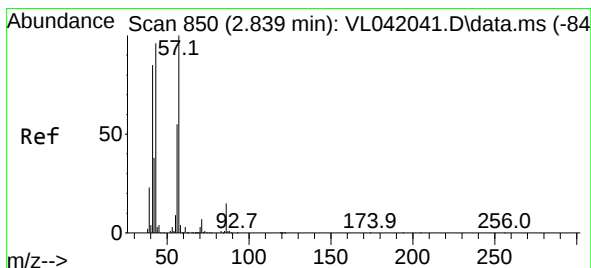
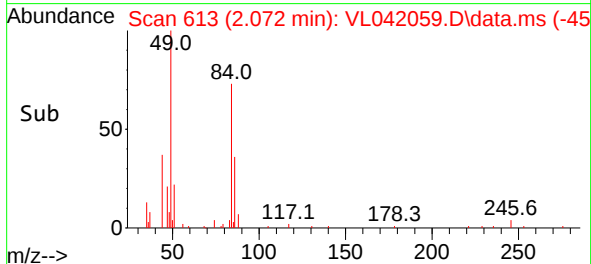
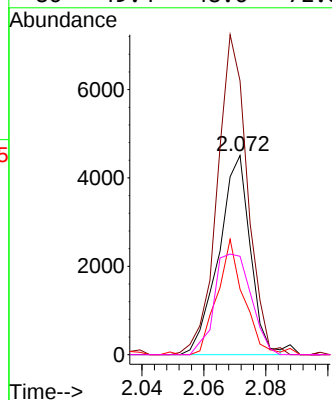
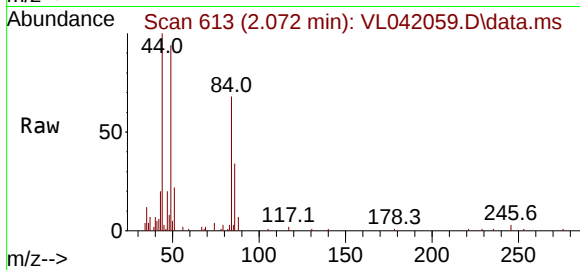
#20
Methylene Chloride
Concen: 0.614 ppbv
RT: 2.072 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL042059.D
Acq: 26 Feb 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Tgt Ion: 84 Resp: 3170
Ion Ratio Lower Upper
84 100
49 136.3 130.0 195.0
51 32.9 37.4 56.0
86 49.4 48.6 72.8

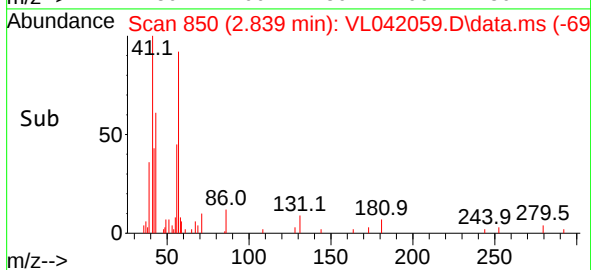
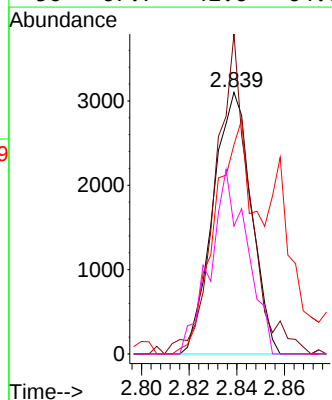
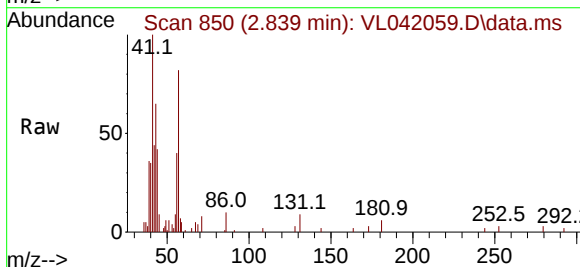
Manual Integrations
APPROVED

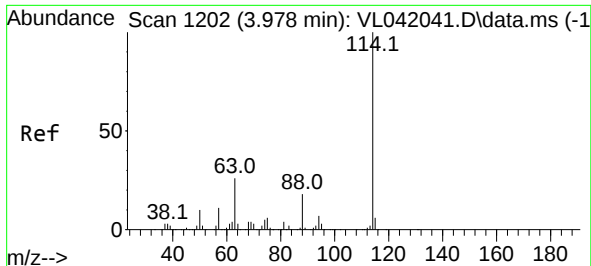
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#26
Hexane
Concen: 0.157 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042059.D
Acq: 26 Feb 2025 13:52

Tgt Ion: 57 Resp: 3474
Ion Ratio Lower Upper
57 100
41 110.2 70.6 106.0#
43 151.2 199.4 299.0#
56 67.7 42.6 64.0#





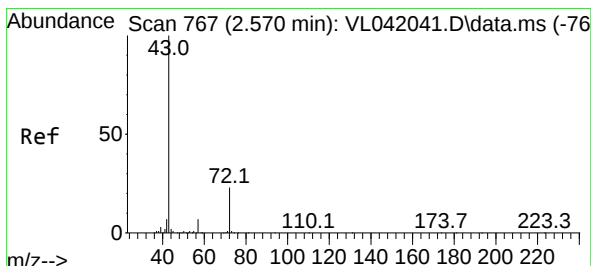
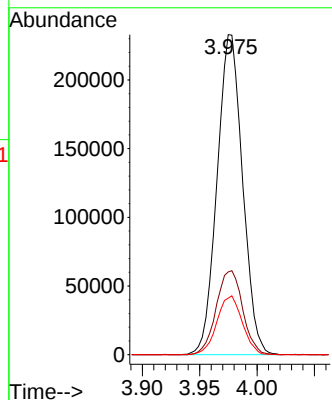
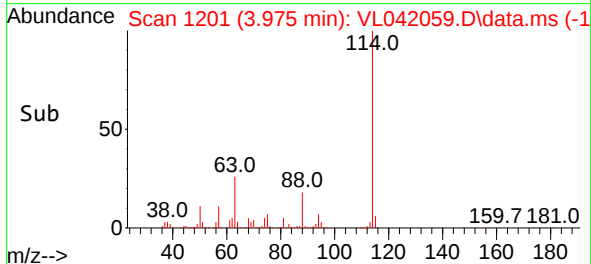
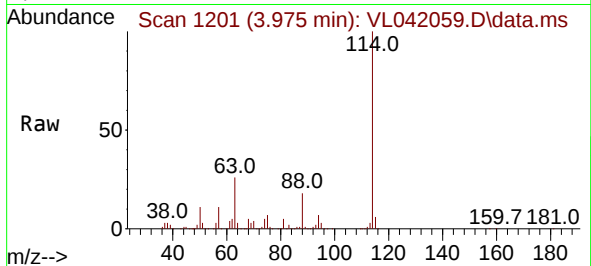
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 114
Delta R.T. -0.003 min
Lab File: VL042059.D
Acq: 26 Feb 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Tgt Ion:114 Resp: 360278
Ion Ratio Lower Upper
114 100
63 27.3 20.1 30.1
88 18.3 14.3 21.5

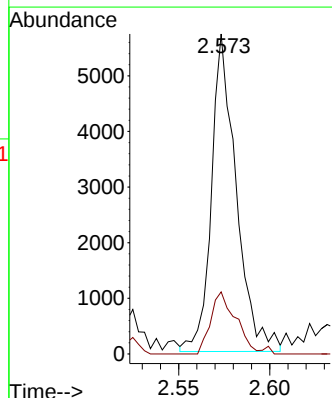
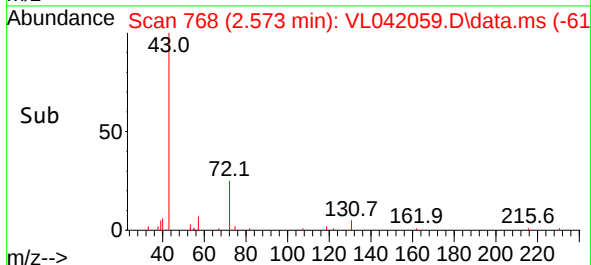
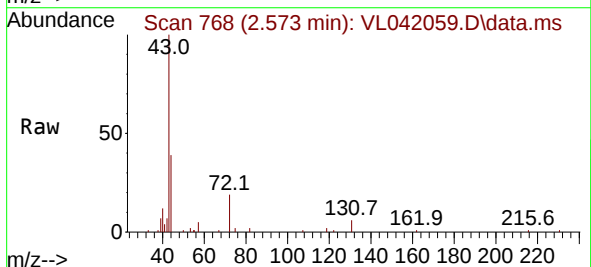
Manual Integrations
APPROVED

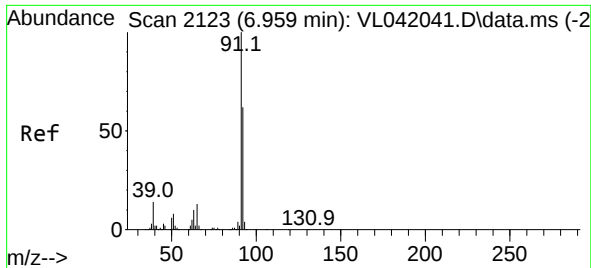
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#34
2-Butanone
Concen: 0.193 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.003 min
Lab File: VL042059.D
Acq: 26 Feb 2025 13:52

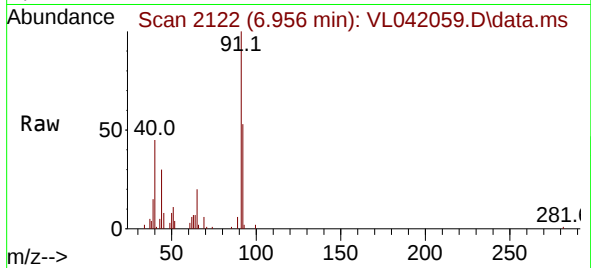
Tgt Ion: 43 Resp: 5418
Ion Ratio Lower Upper
43 100
72 20.4 18.5 27.7





#53
Toluene
Concen: 0.184 ppbv m
RT: 6.956 min Scan# 2123
Delta R.T. -0.003 min
Lab File: VL042059.D
Acq: 26 Feb 2025 13:52

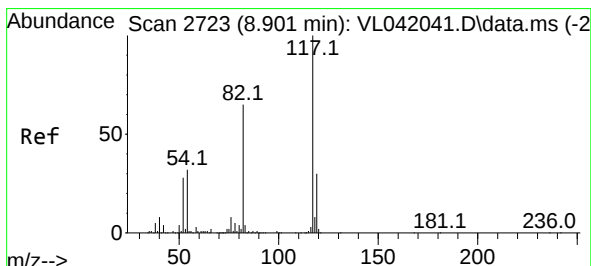
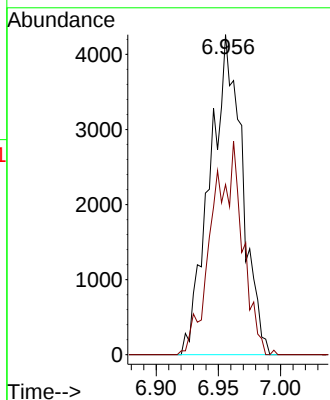
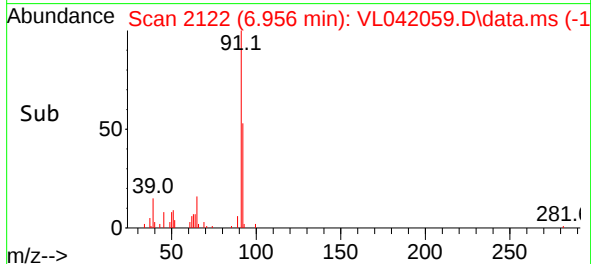
Instrument :
MSVOA_L
ClientSampleId :
OA1DL



Tgt Ion: 91 Resp: 7738
Ion Ratio Lower Upper
91 100
92 62.3 49.0 73.6

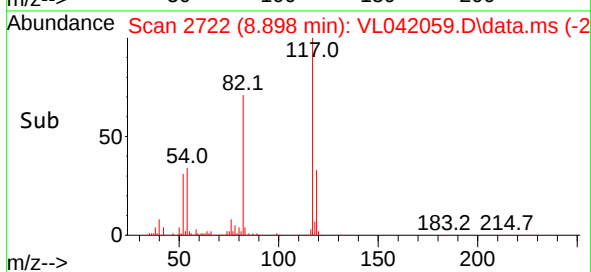
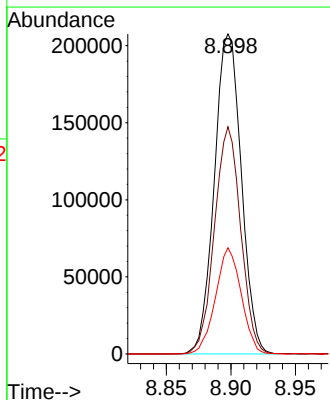
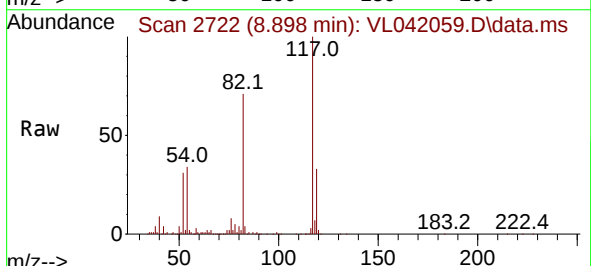
Manual Integrations
APPROVED

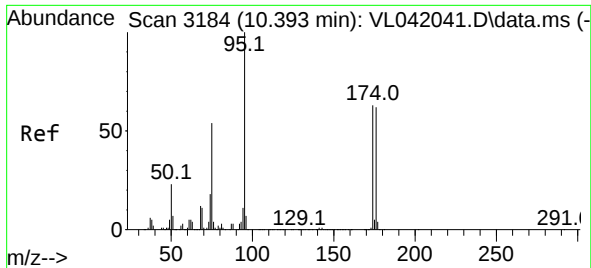
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042059.D
Acq: 26 Feb 2025 13:52

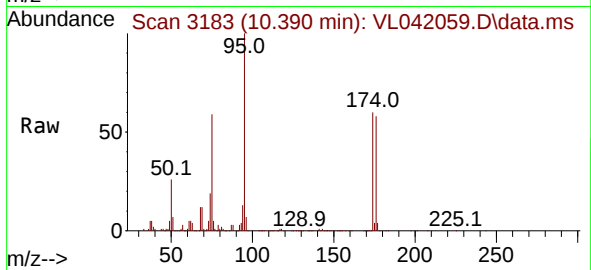
Tgt Ion:117 Resp: 302318
Ion Ratio Lower Upper
117 100
82 68.9 55.0 82.6
119 31.7 25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.174 ppbv
 RT: 10.390 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL042059.D
 Acq: 26 Feb 2025 13:52

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL



Tgt Ion: 95 Resp: 236630
 Ion Ratio Lower Upper
 95 100
 174 60.7 51.8 77.6
 175 4.3 3.9 5.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025

