

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022625\
 Data File : VL042060.D
 Acq On : 26 Feb 2025 14:24
 Operator : SY/MD
 Sample : Q1419-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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

Quant Time: Feb 27 00:30:18 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	2.794	49	153956	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	353365	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	304148	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	247293	10.568	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	3278	0.205	ppbv	95
3) Chlorodifluoromethane	1.480	51	3430	0.153	ppbv #	84
9) Propene	1.489	41	3793	0.416	ppbv	88
10) Heptane	4.988	43	5337m	0.188	ppbv	
13) Ethanol	1.726	45	2738m	4.732	ppbv	
15) Acetone	1.839	43	21957	1.615	ppbv #	83
19) Isopropyl Alcohol	1.894	45	2800m	0.359	ppbv	
20) Methylene Chloride	2.066	84	5332	1.037	ppbv	85
26) Hexane	2.836	57	23263	1.057	ppbv #	31
29) Chloroform	2.852	83	17593	0.594	ppbv	94
34) 2-Butanone	2.567	43	39365	1.430	ppbv	97
38) Trichloroethene	4.561	130	4971m	0.329	ppbv	
51) 2-Hexanone	7.458	43	11752m	0.480	ppbv	
52) Tetrachloroethene	8.244	164	1400742	110.610	ppbv	95
53) Toluene	6.950	91	21458	0.519	ppbv	99
59) m/p-Xylene	9.539	91	6951m	0.156	ppbv	

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

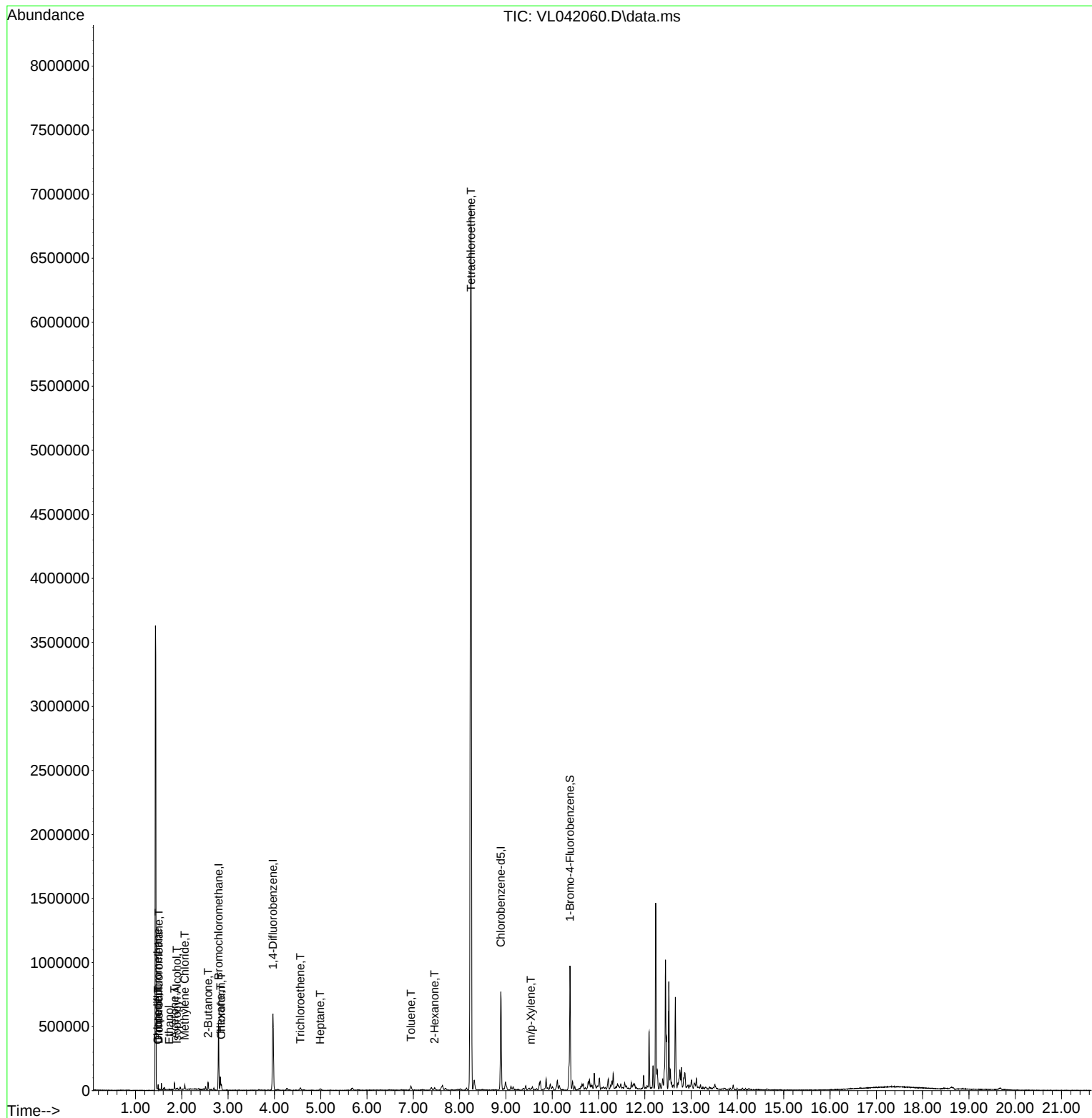
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022625\
Data File : VL042060.D
Acq On : 26 Feb 2025 14:24
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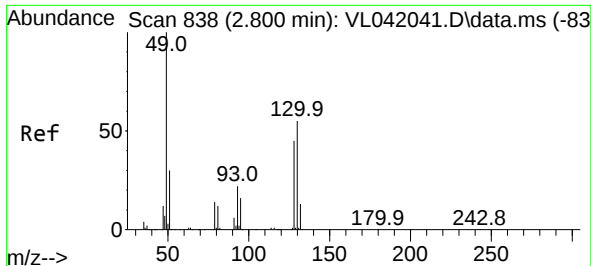
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Feb 27 00:30:18 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

Manual Integrations
APPROVED

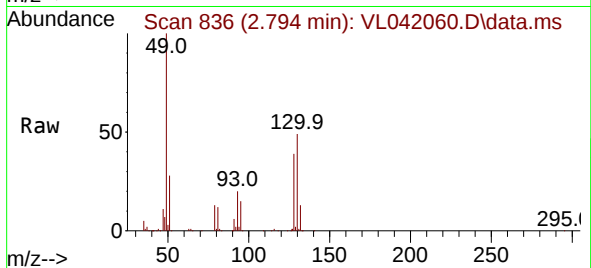
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 836
Delta R.T. -0.006 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

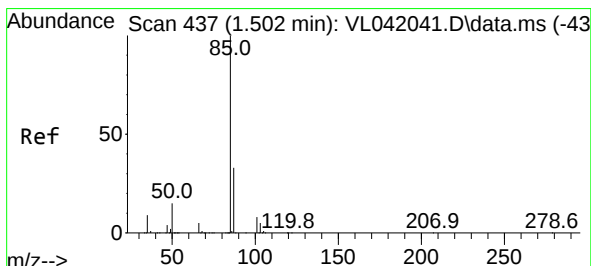
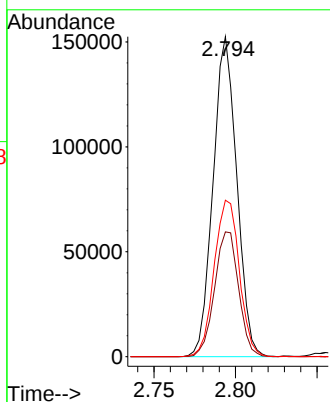
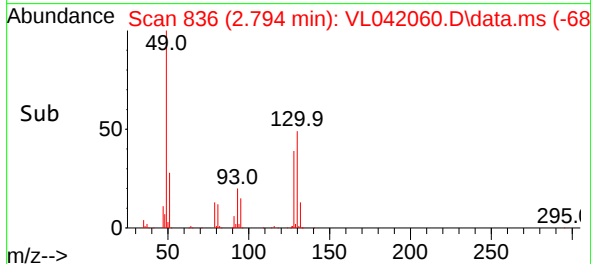
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 153950
Ion Ratio Lower Upper
49 100
128 39.6 21.6 64.8
130 52.0 27.8 83.4

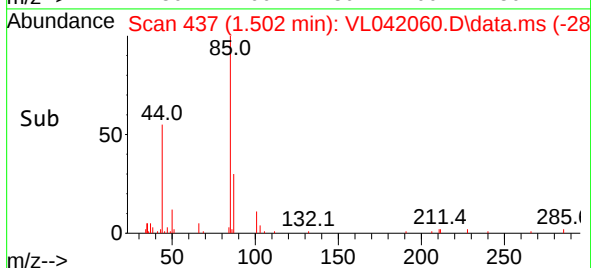
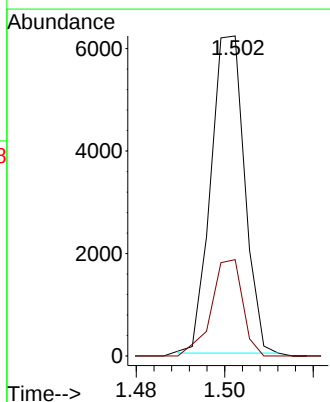
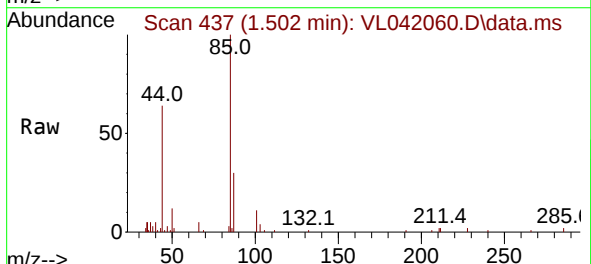
Manual Integrations
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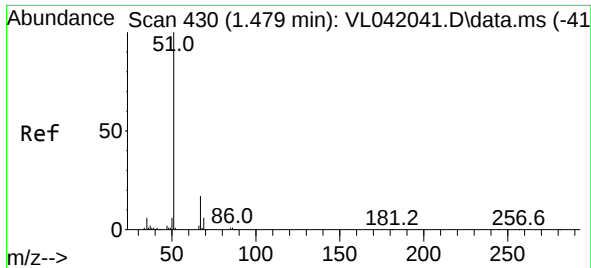
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#2
Dichlorodifluoromethane
Concen: 0.205 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

Tgt Ion: 85 Resp: 3278
Ion Ratio Lower Upper
85 100
87 30.4 26.4 39.6





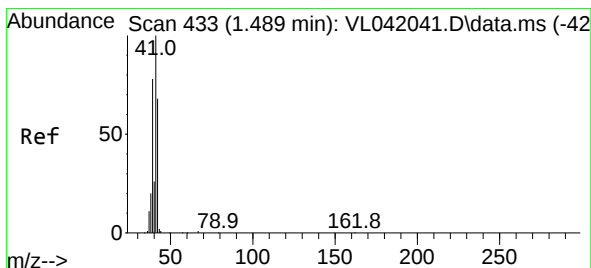
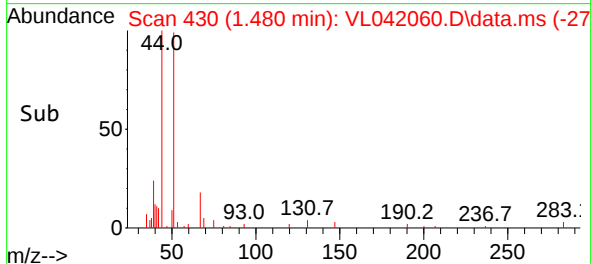
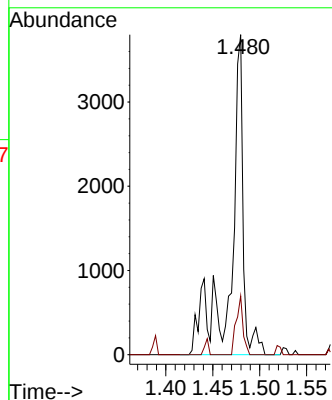
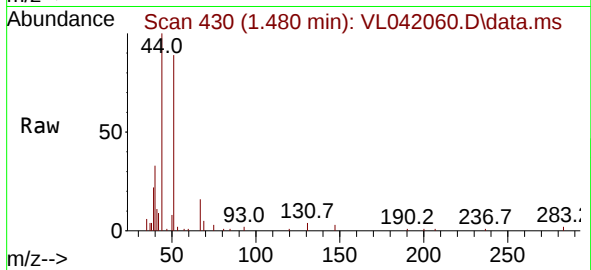
#3
Chlorodifluoromethane
Concen: 0.153 ppbv
RT: 1.480 min Scan# 430
Delta R.T. 0.000 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 51 Resp: 3430
Ion Ratio Lower Upper
51 100
67 10.2 13.7 20.5

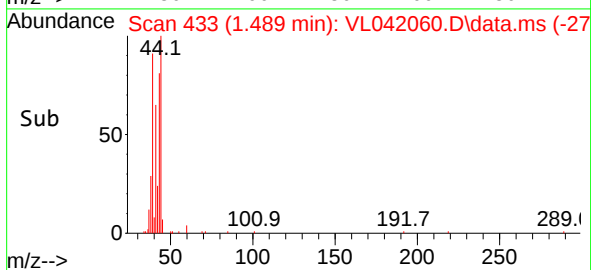
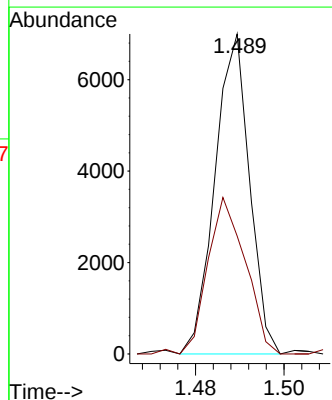
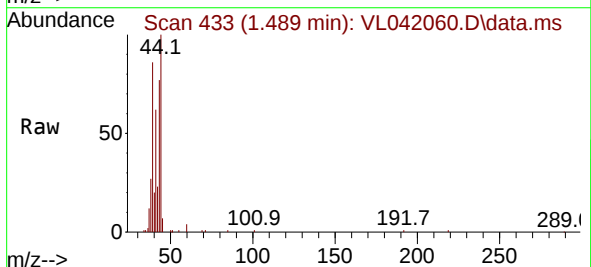
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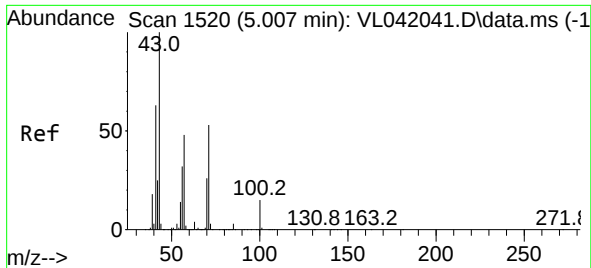
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#9
Propene
Concen: 0.416 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.000 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

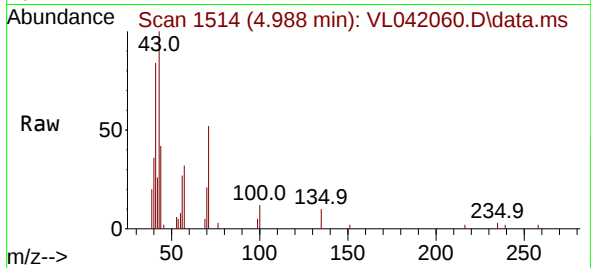
Tgt Ion: 41 Resp: 3793
Ion Ratio Lower Upper
41 100
42 60.1 55.8 83.6





#10
Heptane
Concen: 0.188 ppbv m
RT: 4.988 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

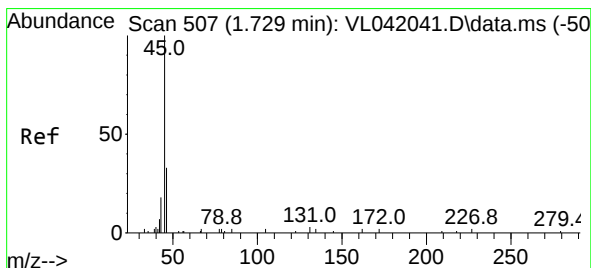
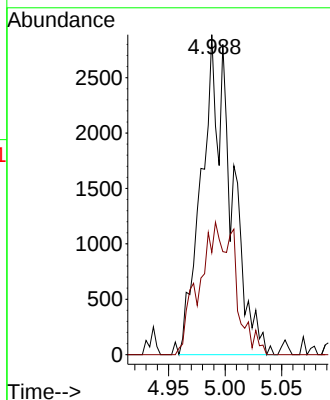
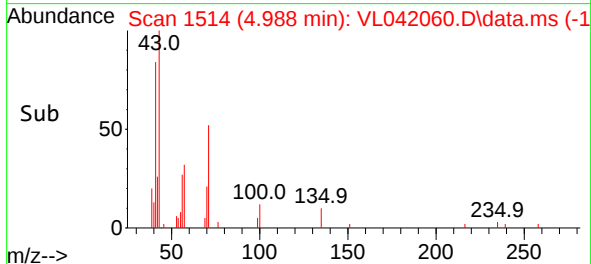
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 533
Ion Ratio Lower Upper
43 100
57 0.0 39.4 59.0

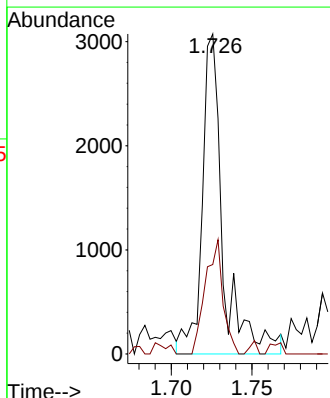
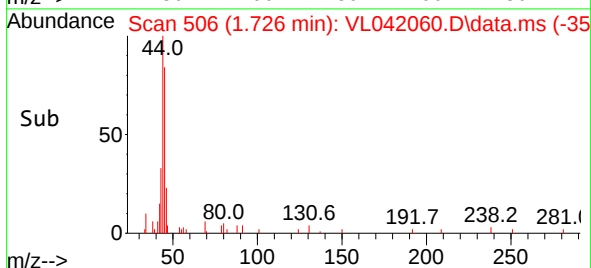
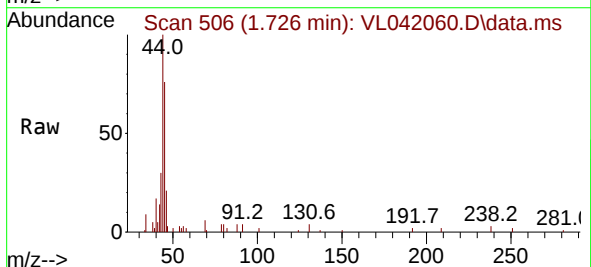
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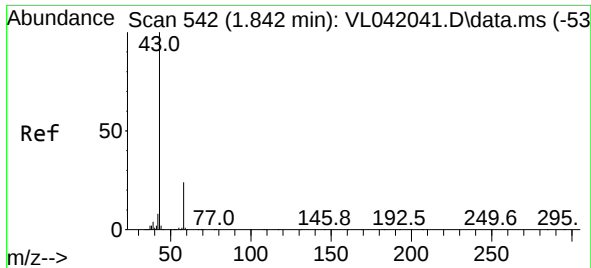
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#13
Ethanol
Concen: 4.732 ppbv m
RT: 1.726 min Scan# 506
Delta R.T. -0.003 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

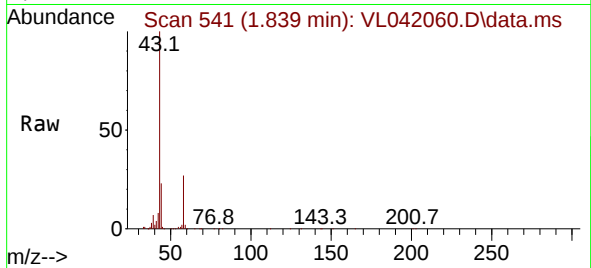
Tgt Ion: 45 Resp: 2738
Ion Ratio Lower Upper
45 100
46 3228.0 17.1 68.3#





#15
Acetone
Concen: 1.615 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

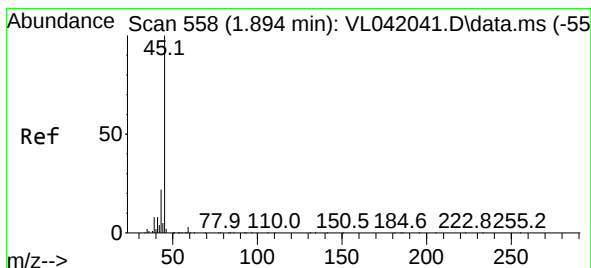
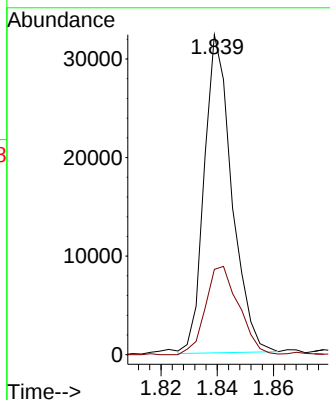
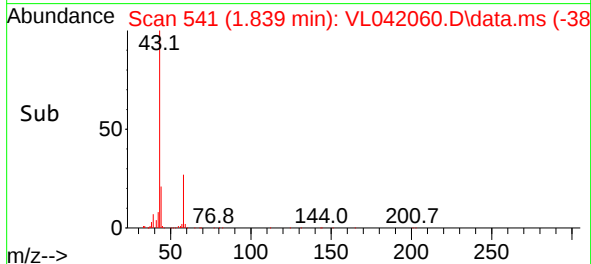
Instrument :
MSVOA_L
ClientSampleId :
SV1



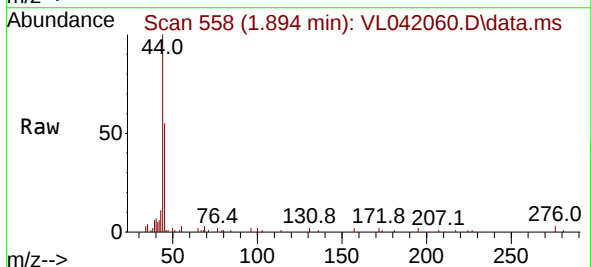
Tgt Ion: 43 Resp: 2195
Ion Ratio Lower Upper
43 100
58 34.3 20.7 31.1

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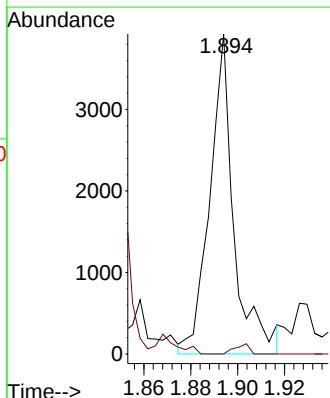
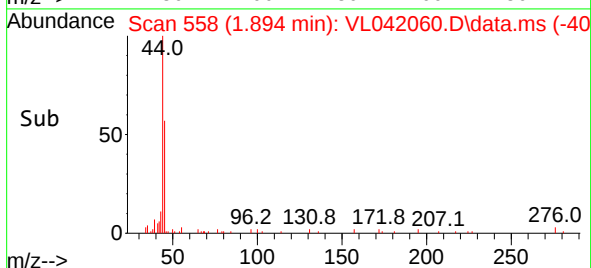
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

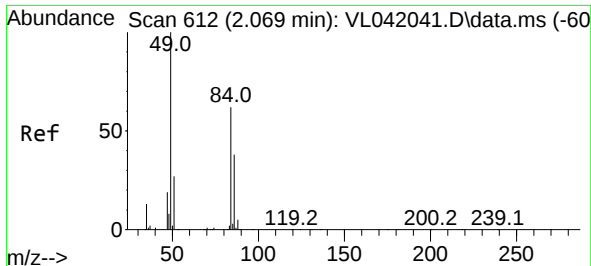


#19
Isopropyl Alcohol
Concen: 0.359 ppbv m
RT: 1.894 min Scan# 558
Delta R.T. 0.000 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24



Tgt Ion: 45 Resp: 2800
Ion Ratio Lower Upper
45 100
58 27.6 35.3 52.9





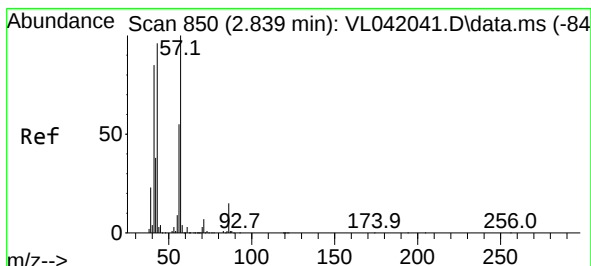
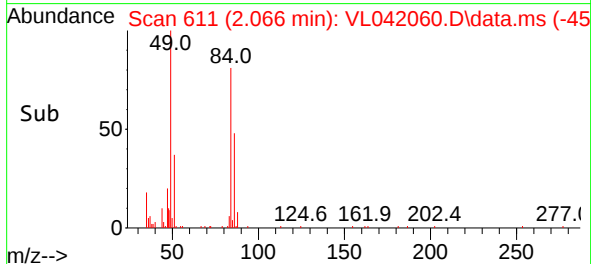
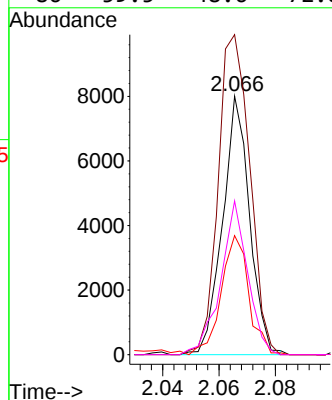
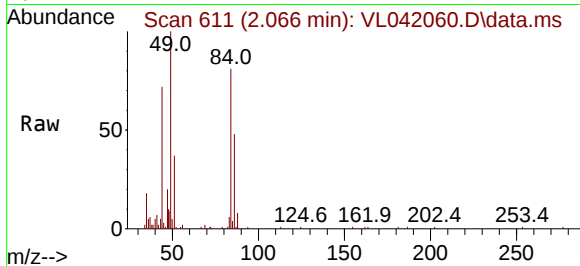
#20
Methylene Chloride
Concen: 1.037 ppbv
RT: 2.066 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 84 Resp: 5332
Ion Ratio Lower Upper
84 100
49 130.0 130.0 195.0
51 45.3 37.4 56.0
86 59.5 48.6 72.8

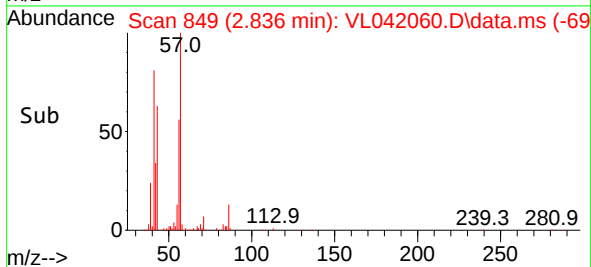
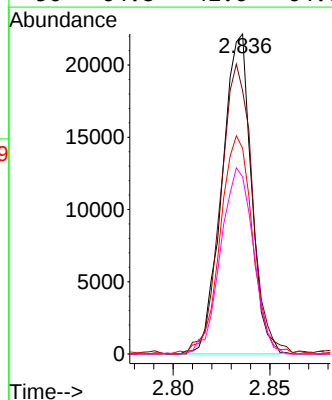
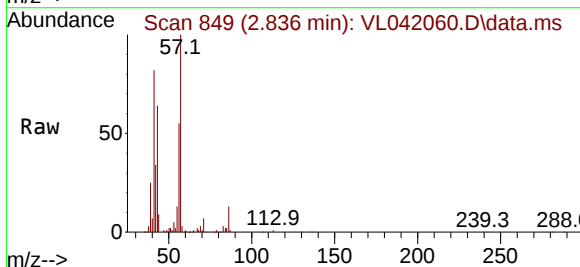
Manual Integrations
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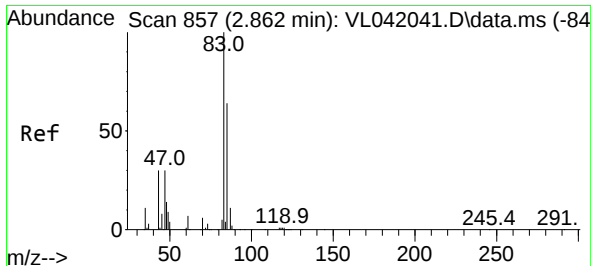
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#26
Hexane
Concen: 1.057 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

Tgt Ion: 57 Resp: 23263
Ion Ratio Lower Upper
57 100
41 100.1 70.6 106.0
43 76.0 199.4 299.0#
56 64.8 42.6 64.0#





#29

Chloroform

Concen: 0.594 ppbv

RT: 2.852 min Scan# 81

Delta R.T. -0.010 min

Lab File: VL042060.D

Acq: 26 Feb 2025 14:24

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 83 Resp: 1759

Ion Ratio Lower Upper

83 100

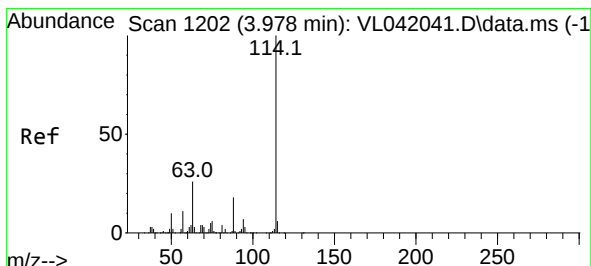
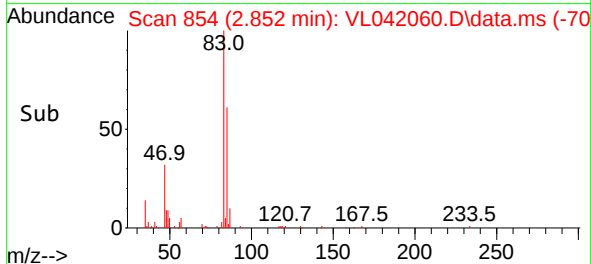
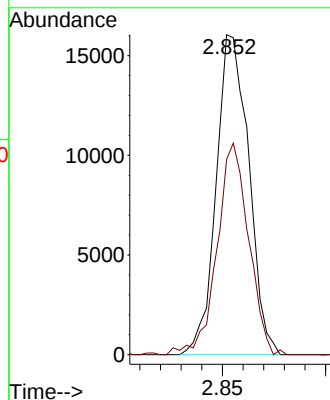
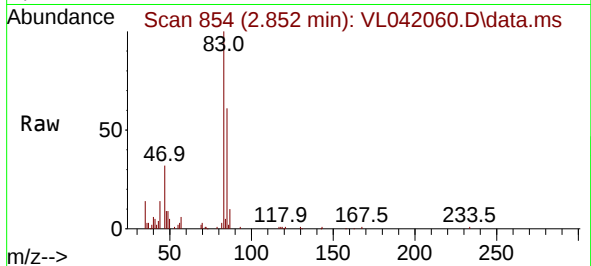
85 59.6 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2025

Supervised By :Mahesh Dadoda 02/27/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.969 min Scan# 1199

Delta R.T. -0.009 min

Lab File: VL042060.D

Acq: 26 Feb 2025 14:24

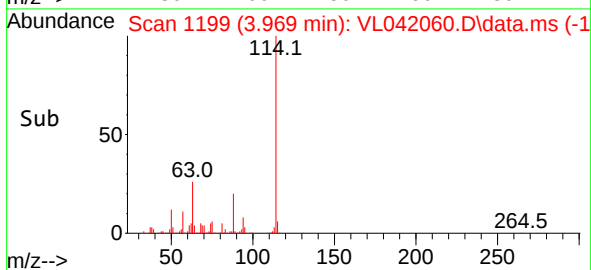
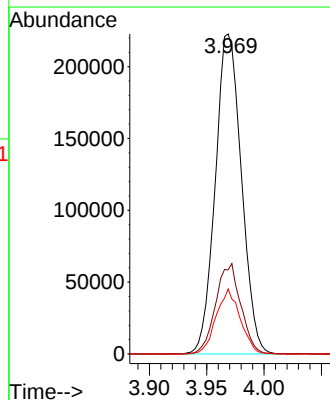
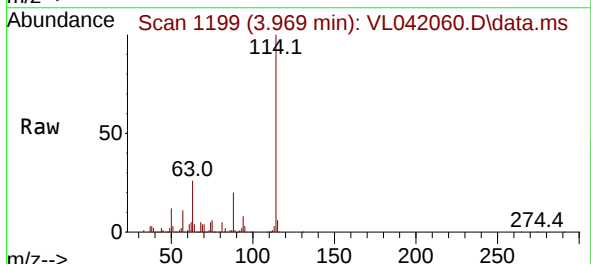
Tgt Ion:114 Resp: 353365

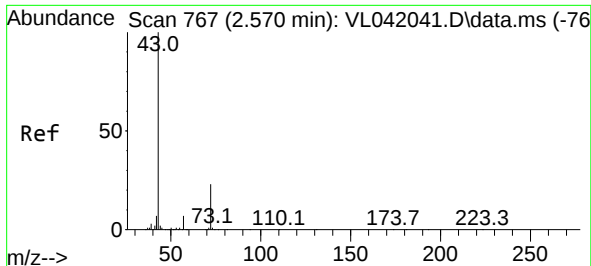
Ion Ratio Lower Upper

114 100

63 27.1 20.1 30.1

88 18.7 14.3 21.5





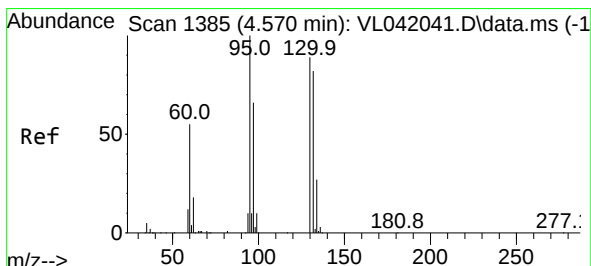
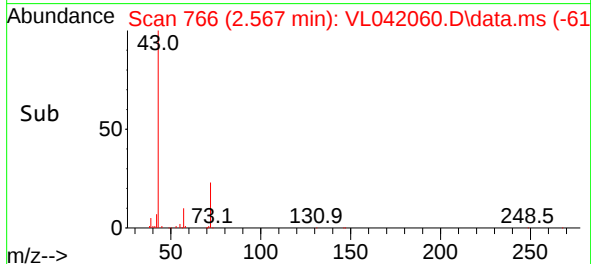
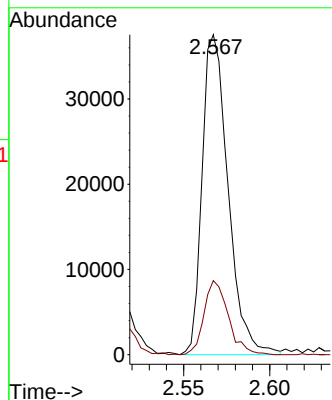
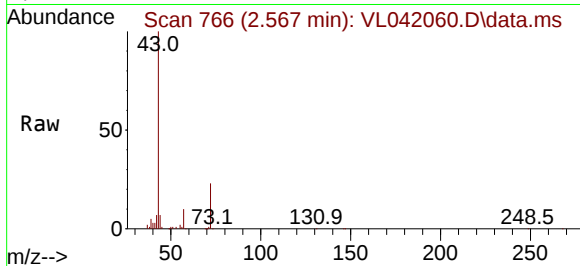
#34
2-Butanone
Concen: 1.430 ppbv
RT: 2.567 min Scan# 767
Delta R.T. -0.003 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 3936
Ion Ratio Lower Upper
43 100
72 21.7 18.5 27.7

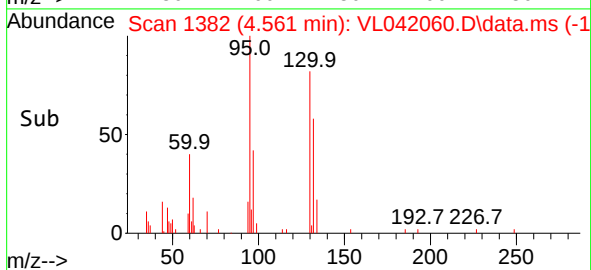
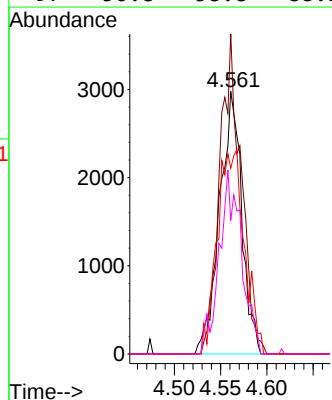
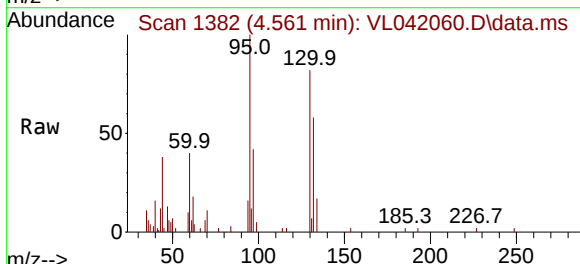
Manual Integrations
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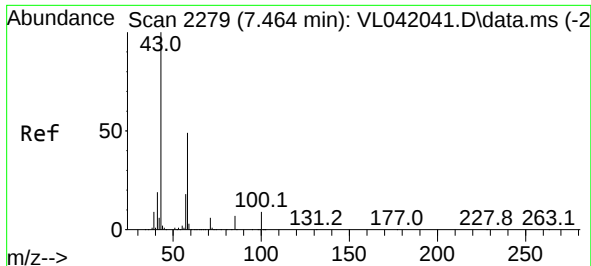
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#38
Trichloroethene
Concen: 0.329 ppbv m
RT: 4.561 min Scan# 1382
Delta R.T. -0.009 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

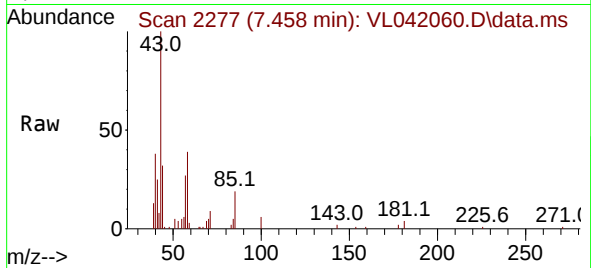
Tgt Ion:130 Resp: 4971
Ion Ratio Lower Upper
130 100
95 121.9 89.5 134.3
132 70.7 73.8 110.6#
97 50.8 58.8 88.2#





#51
2-Hexanone
Concen: 0.480 ppbv m
RT: 7.458 min Scan# 211
Delta R.T. -0.006 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

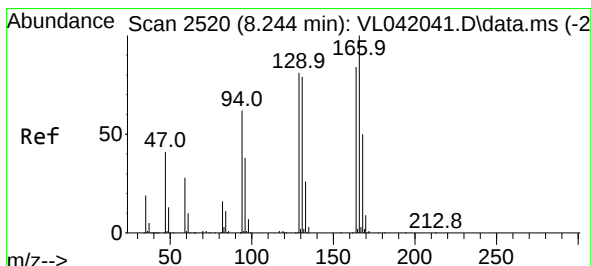
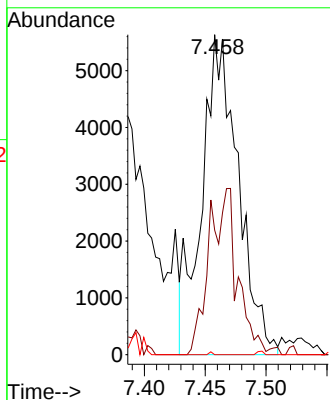
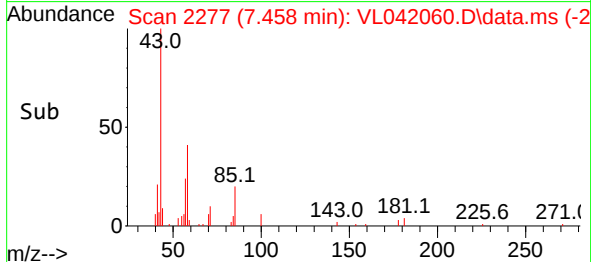
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 11752
Ion Ratio Lower Upper
43 100
58 0.0 39.0 58.6
98 0.0 0.1 0.1

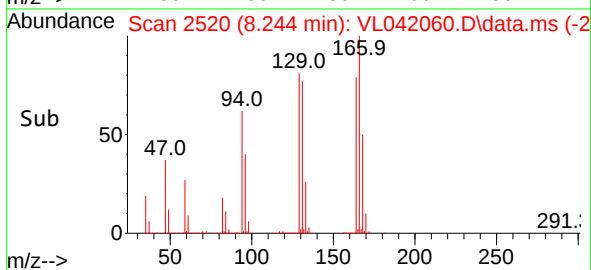
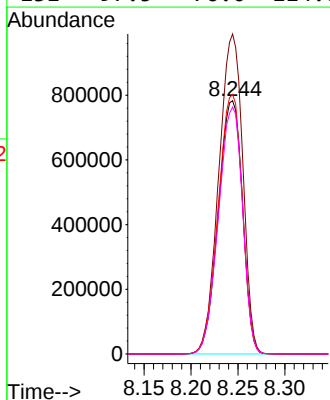
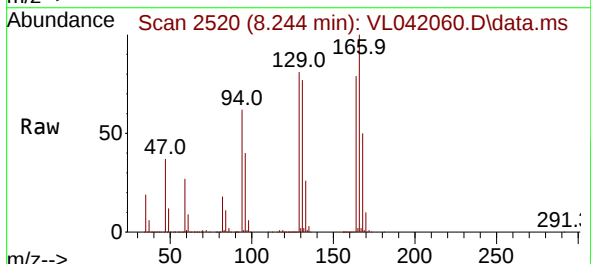
Manual Integrations
APPROVED

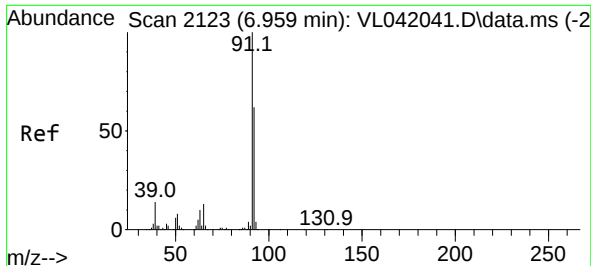
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#52
Tetrachloroethene
Concen: 110.610 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

Tgt Ion:164 Resp: 1400742
Ion Ratio Lower Upper
164 100
166 126.4 95.7 143.5
129 102.5 77.1 115.7
131 97.5 76.0 114.0





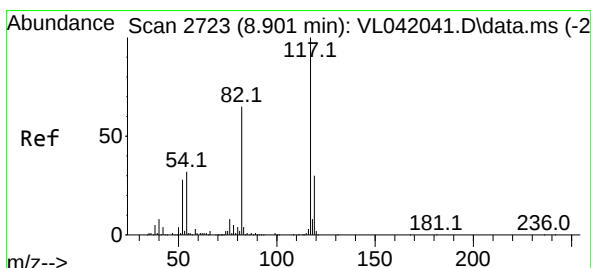
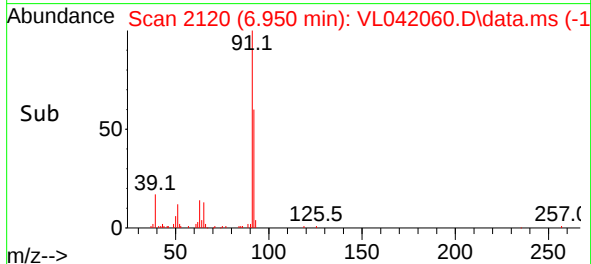
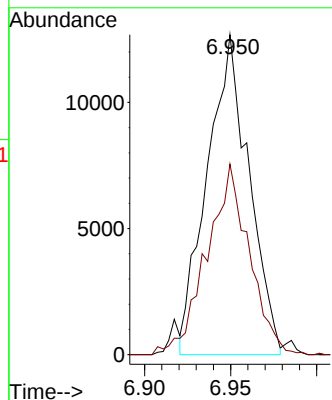
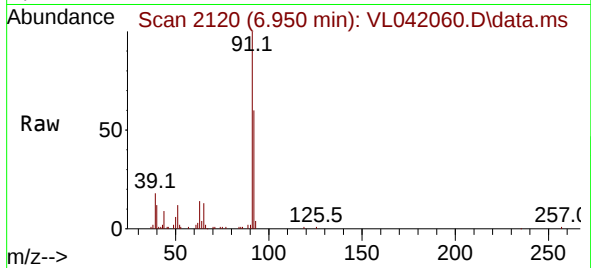
#53
Toluene
Concen: 0.519 ppbv
RT: 6.950 min Scan# 2123
Delta R.T. -0.010 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 21458
Ion Ratio Lower Upper
91 100
92 60.4 49.0 73.6

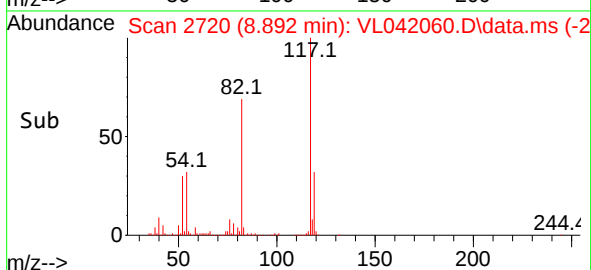
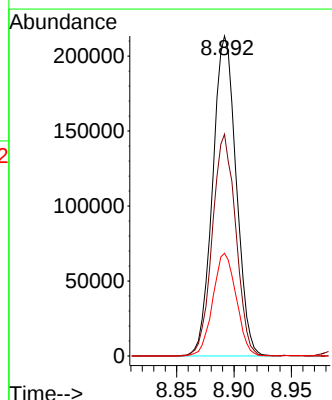
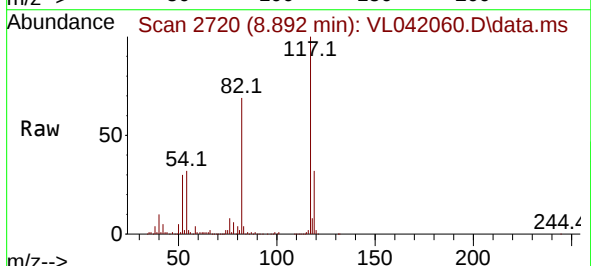
Manual Integrations
APPROVED

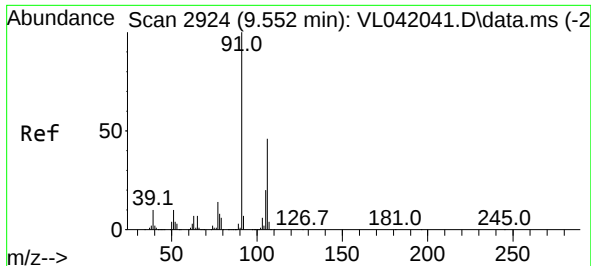
Reviewed By :Semsettin Yesilyurt 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 2720
Delta R.T. -0.009 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

Tgt Ion:117 Resp: 304148
Ion Ratio Lower Upper
117 100
82 69.1 55.0 82.6
119 32.0 25.9 38.9





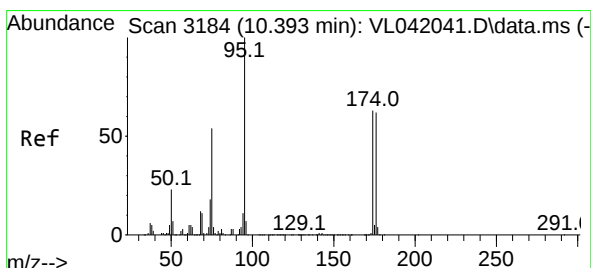
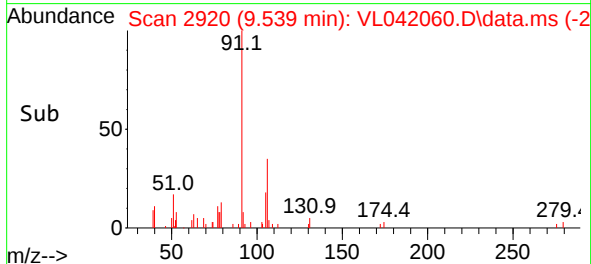
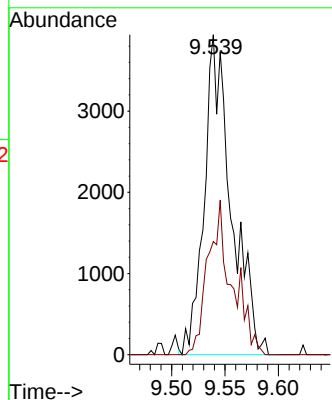
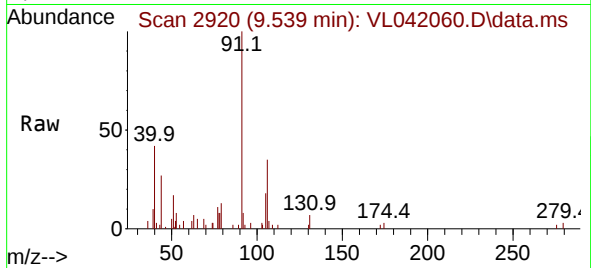
#59
m/p-Xylene
Concen: 0.156 ppbv m
RT: 9.539 min Scan# 2924
Delta R.T. -0.013 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 695
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.568 ppbv
RT: 10.384 min Scan# 3181
Delta R.T. -0.009 min
Lab File: VL042060.D
Acq: 26 Feb 2025 14:24

Tgt Ion: 95 Resp: 247293
Ion Ratio Lower Upper
95 100
174 62.2 51.8 77.6
175 4.2 3.9 5.9

