

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042087.D
 Acq On : 03 Mar 2025 20:29
 Operator : SY/MD
 Sample : Q1430-01DUP 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/04/2025
 Supervised By :Mahesh Dadoda 03/05/2025

Quant Time: Mar 04 03:39:33 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	2.784	49	157351	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.955	114	351741	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.875	117	297676	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	225052	9.827	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	2219m	0.136	ppbv	
9) Propene	1.483	41	4028	0.432	ppbv	85
11) Trichlorofluoromethane	1.877	101	3052	0.186	ppbv	92
13) Ethanol	1.719	45	45923	77.648	ppbv	90
15) Acetone	1.835	43	40323	2.902	ppbv #	80
17) tert-Butyl alcohol	2.046	59	2503	0.144	ppbv #	89
19) Isopropyl Alcohol	1.887	45	6742	0.845	ppbv #	1
20) Methylene Chloride	2.059	84	4825	0.918	ppbv #	86
26) Hexane	2.826	57	5289	0.235	ppbv #	42
34) 2-Butanone	2.557	43	75267	2.747	ppbv	94
36) Benzene	3.648	78	6586m	0.179	ppbv	
50) 4-Methyl-2-Pentanone	5.765	43	7751m	0.219	ppbv	
51) 2-Hexanone	7.441	43	7066m	0.290	ppbv	
52) Tetrachloroethene	8.221	164	16346	1.297	ppbv	98
53) Toluene	6.927	91	25126m	0.611	ppbv	
59) m/p-Xylene	9.526	91	12422m	0.285	ppbv	
60) o-Xylene	9.963	91	4793	0.109	ppbv	93
74) 1,2,4-Trimethylbenzene	11.536	105	5413	0.103	ppbv #	56

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

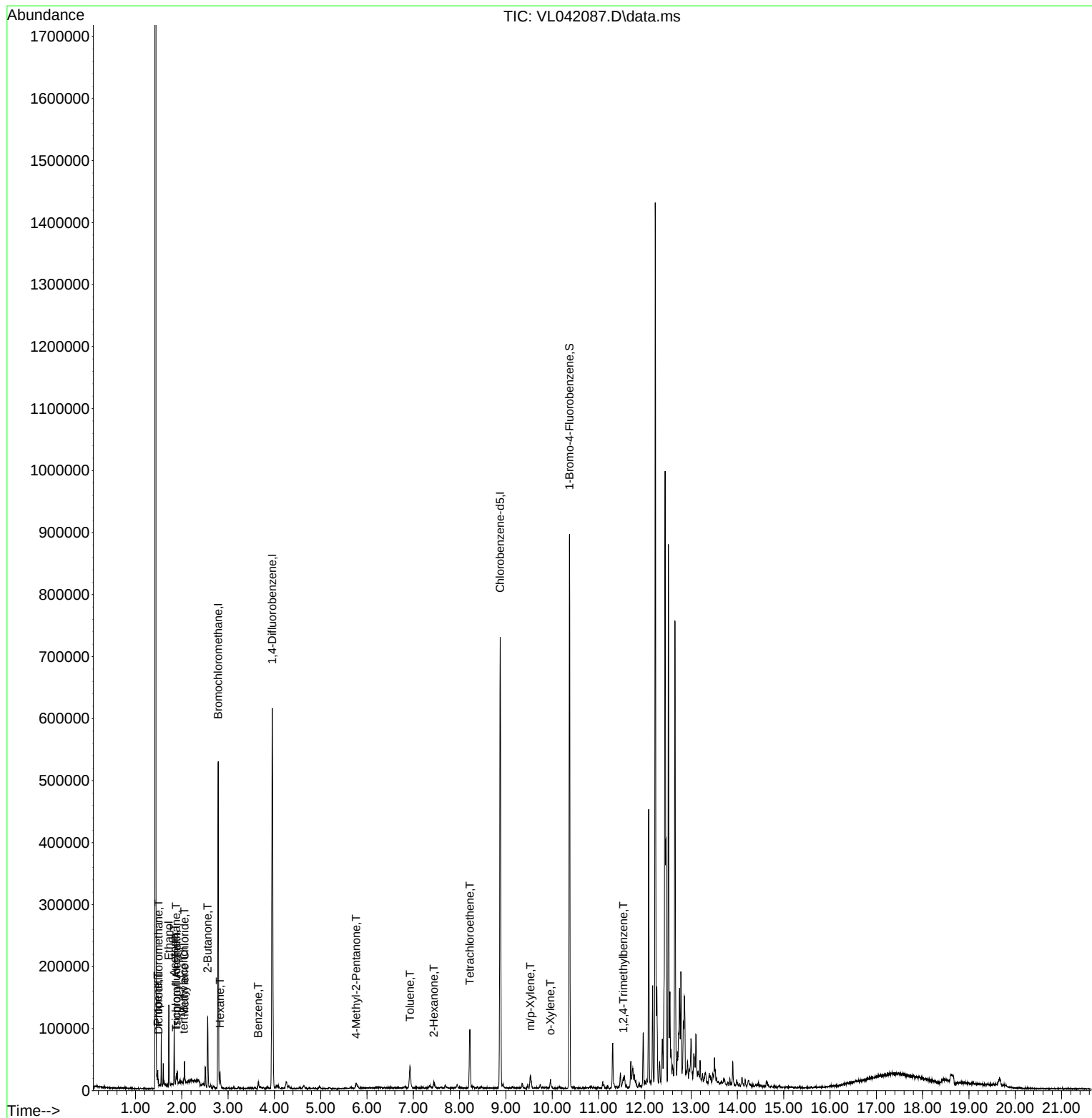
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
Data File : VL042087.D
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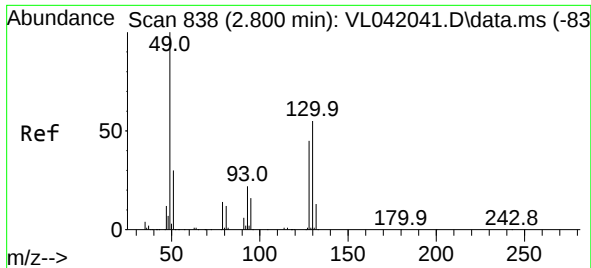
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Quant Time: Mar 04 03:39:33 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
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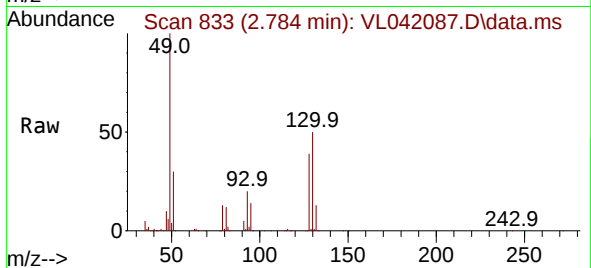
Reviewed By : Semsettin Yesilyurt 03/04/2025
Supervised By : Mahesh Dadoda 03/05/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.016 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

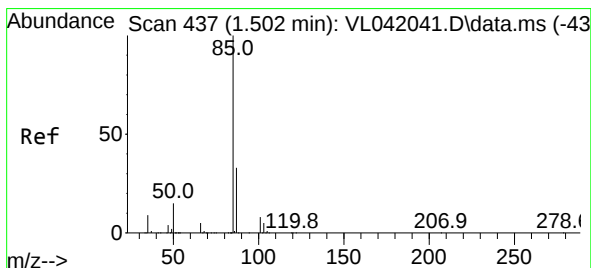
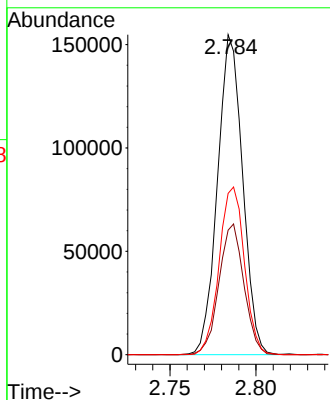
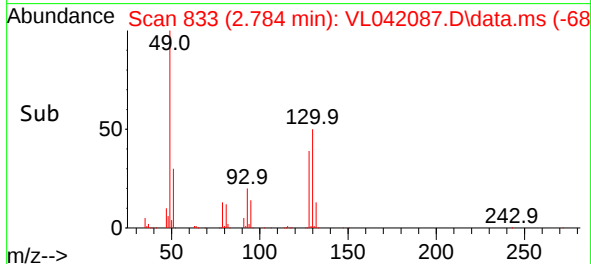
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP



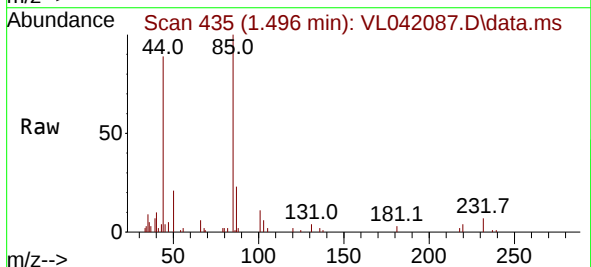
Tgt Ion: 49 Resp: 15735
Ion Ratio Lower Upper
49 100
128 40.5 21.6 64.8
130 52.8 27.8 83.4

Manual Integrations
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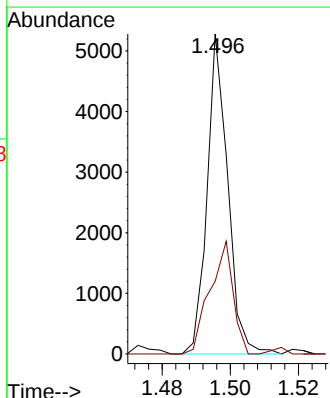
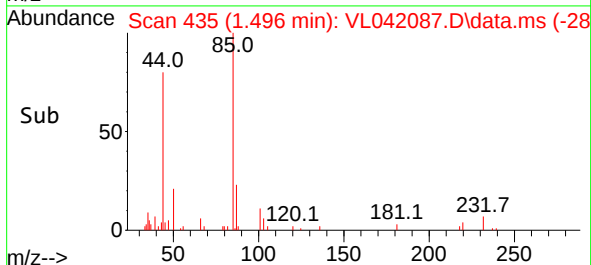
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025

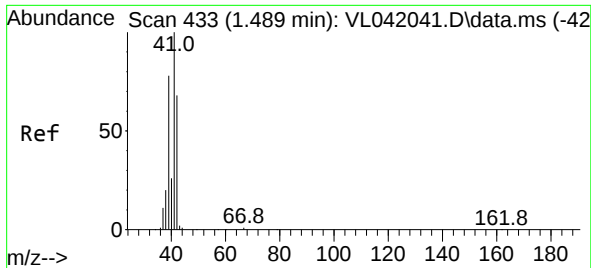


#2
Dichlorodifluoromethane
Concen: 0.136 ppbv m
RT: 1.496 min Scan# 435
Delta R.T. -0.007 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29



Tgt Ion: 85 Resp: 2219
Ion Ratio Lower Upper
85 100
87 22.7 26.4 39.6





#9

Propene

Concen: 0.432 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL042087.D

Acq: 03 Mar 2025 20:29

Instrument :

MSVOA_L

ClientSampleId :

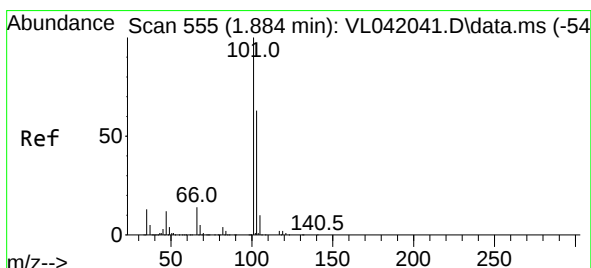
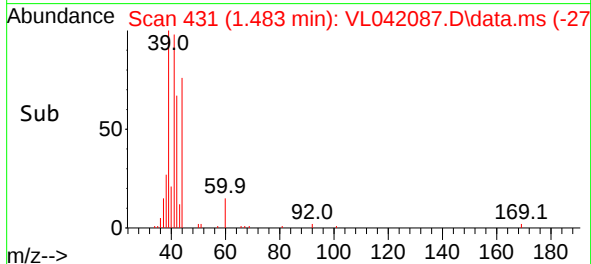
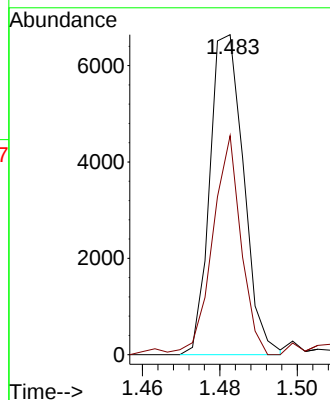
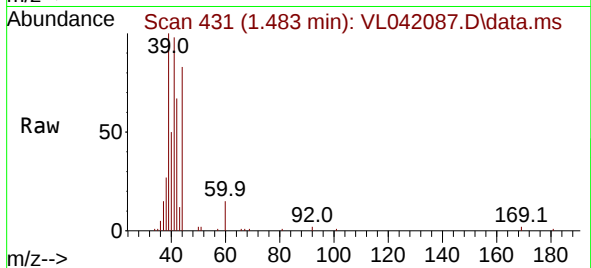
SV1DUP

Tgt Ion: 41 Resp: 4028
 Ion Ratio Lower Upper
 41 100
 42 57.4 55.8 83.6

Manual Integrations

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 Supervised By :Mahesh Dadoda 03/05/2025



#11

Trichlorofluoromethane

Concen: 0.186 ppbv

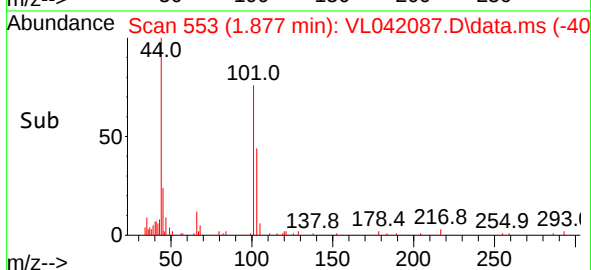
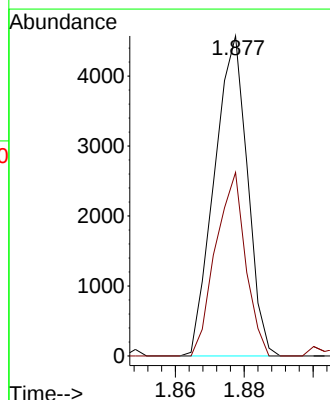
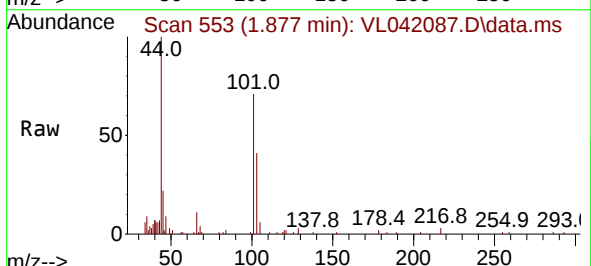
RT: 1.877 min Scan# 553

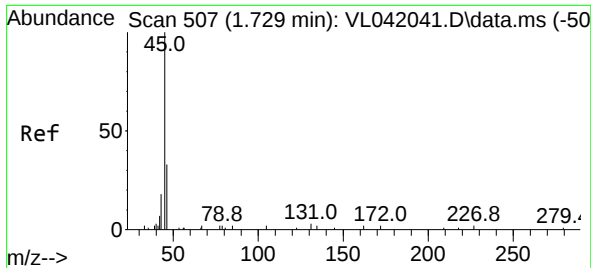
Delta R.T. -0.007 min

Lab File: VL042087.D

Acq: 03 Mar 2025 20:29

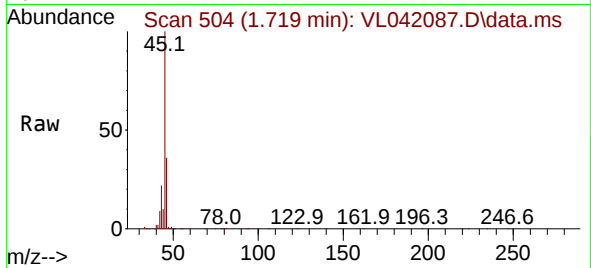
Tgt Ion:101 Resp: 3052
 Ion Ratio Lower Upper
 101 100
 103 57.4 50.6 75.8





#13
Ethanol
Concen: 77.648 ppbv
RT: 1.719 min Scan# 507
Delta R.T. -0.010 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

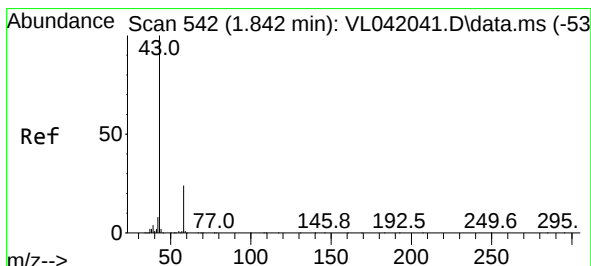
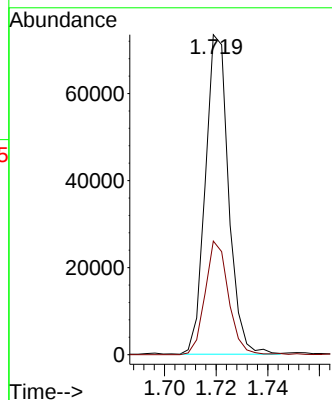
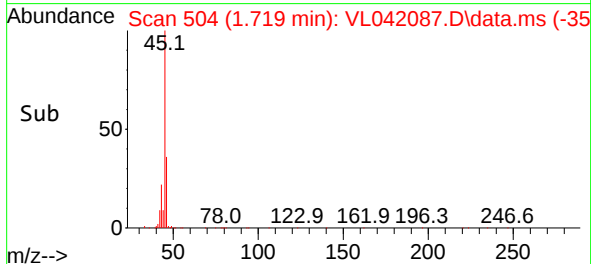
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP



Tgt Ion: 45 Resp: 45923
Ion Ratio Lower Upper
45 100
46 36.2 17.1 68.3

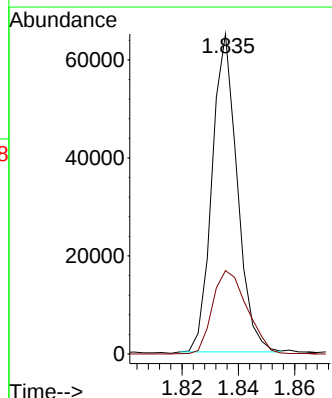
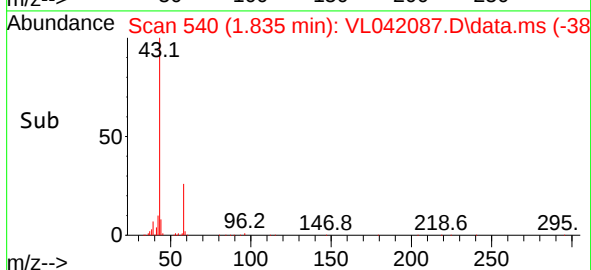
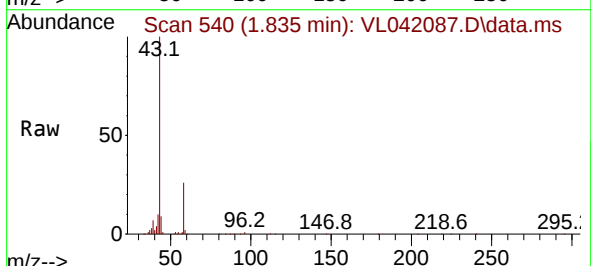
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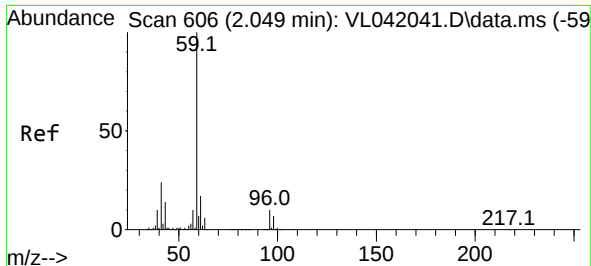
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#15
Acetone
Concen: 2.902 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.007 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion: 43 Resp: 40323
Ion Ratio Lower Upper
43 100
58 36.0 20.7 31.1#





#17

tert-Butyl alcohol

Concen: 0.144 ppbv

RT: 2.046 min Scan# 606

Delta R.T. -0.003 min

Lab File: VL042087.D

Acq: 03 Mar 2025 20:29

Instrument :

MSVOA_L

ClientSampleId :

SV1DUP

Tgt Ion: 59 Resp: 2500

Ion Ratio Lower Upper

59 100

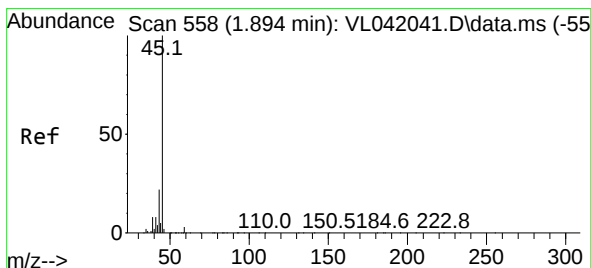
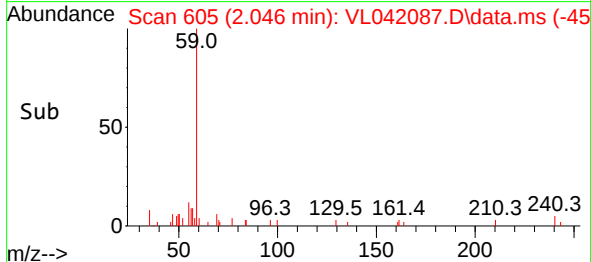
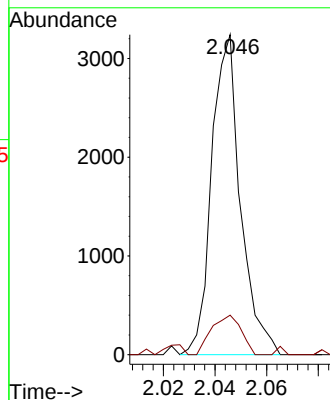
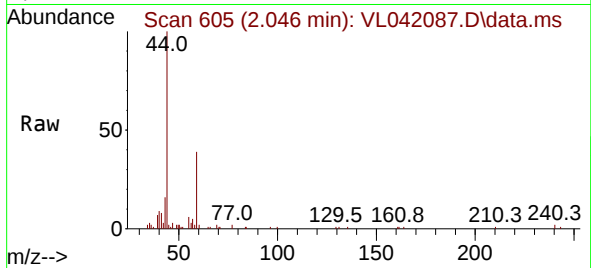
57 15.7 9.3 13.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/04/2025

Supervised By :Mahesh Dadoda 03/05/2025



#19

Isopropyl Alcohol

Concen: 0.845 ppbv

RT: 1.887 min Scan# 556

Delta R.T. -0.007 min

Lab File: VL042087.D

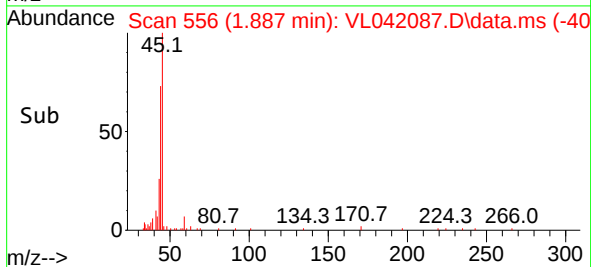
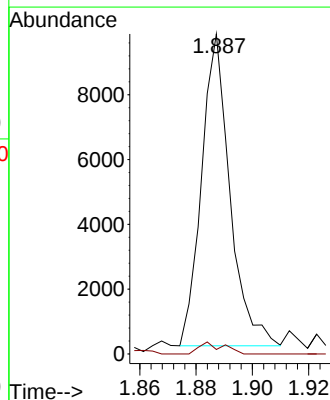
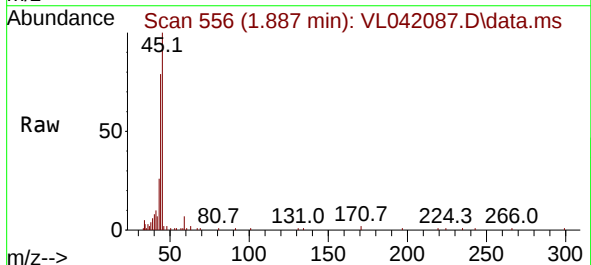
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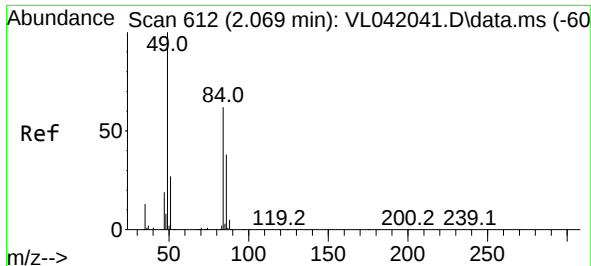
Tgt Ion: 45 Resp: 6742

Ion Ratio Lower Upper

45 100

58 215.4 35.3 52.9





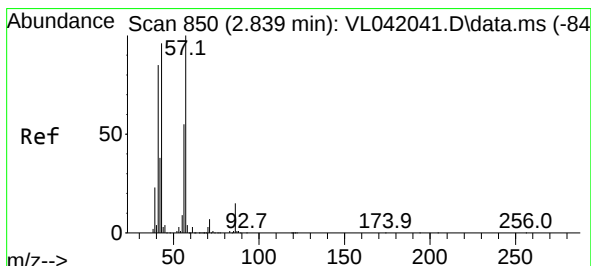
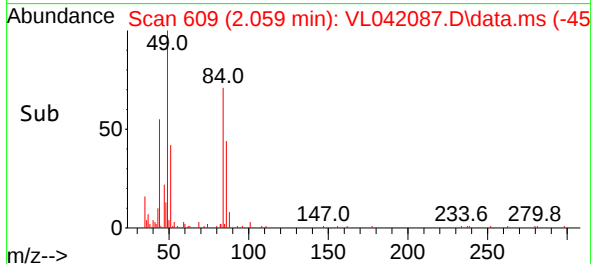
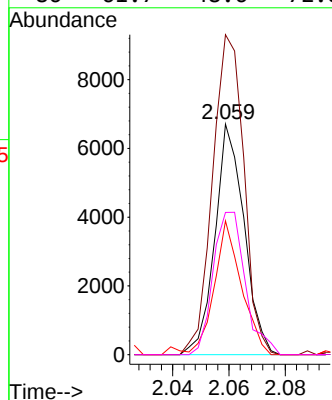
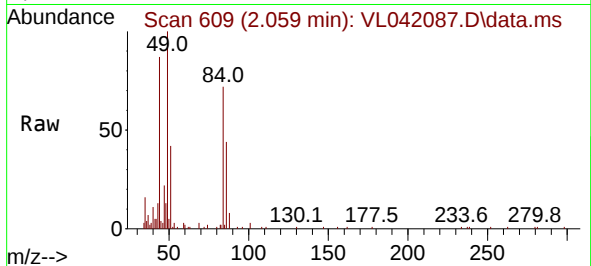
#20
Methylene Chloride
Concen: 0.918 ppbv
RT: 2.059 min Scan# 612
Delta R.T. -0.010 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion: 84 Resp: 4829
Ion Ratio Lower Upper
84 100
49 138.8 130.0 195.0
51 58.1 37.4 56.0
86 61.7 48.6 72.8

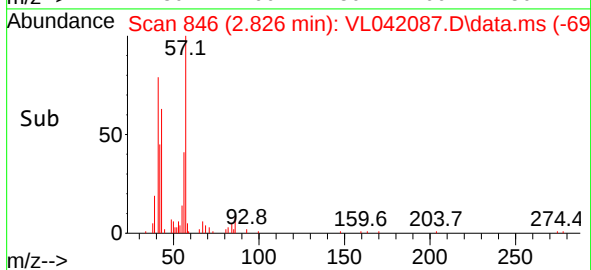
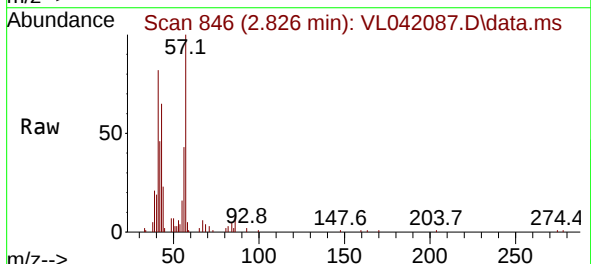
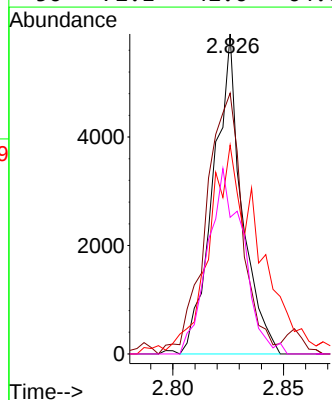
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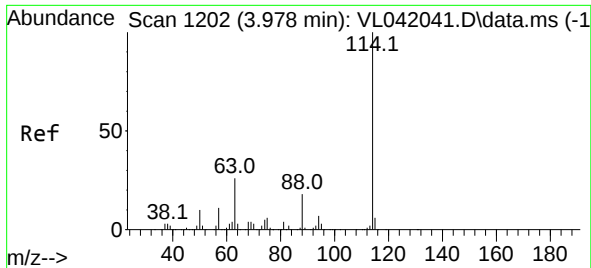
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#26
Hexane
Concen: 0.235 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.013 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

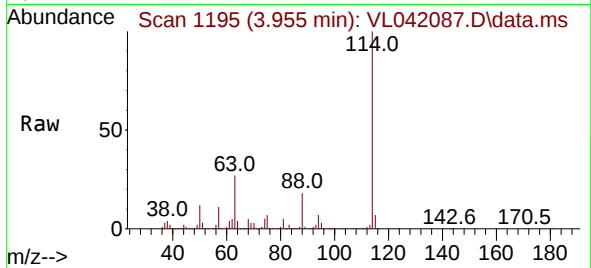
Tgt Ion: 57 Resp: 5289
Ion Ratio Lower Upper
57 100
41 118.2 70.6 106.0#
43 120.1 199.4 299.0#
56 72.1 42.6 64.0#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.023 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

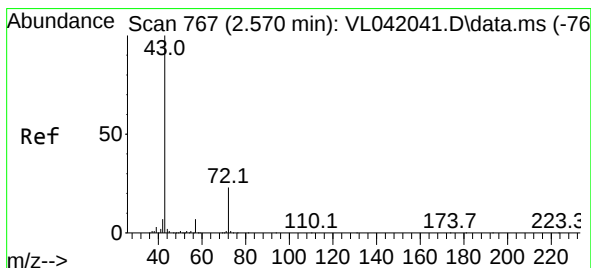
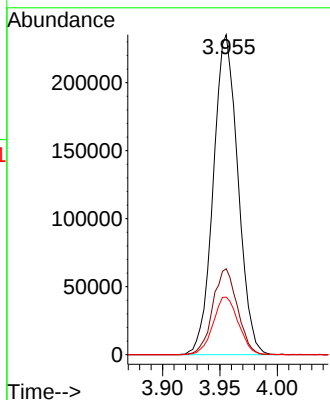
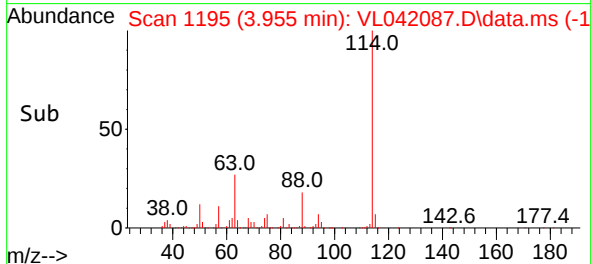
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP



Tgt Ion:114 Resp: 35174
Ion Ratio Lower Upper
114 100
63 26.9 20.1 30.1
88 18.5 14.3 21.5

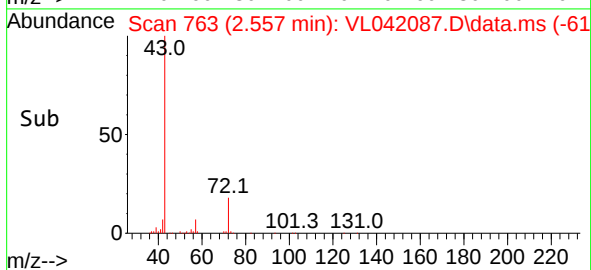
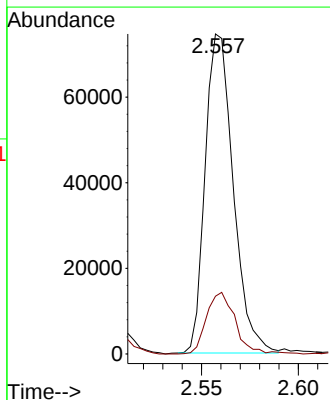
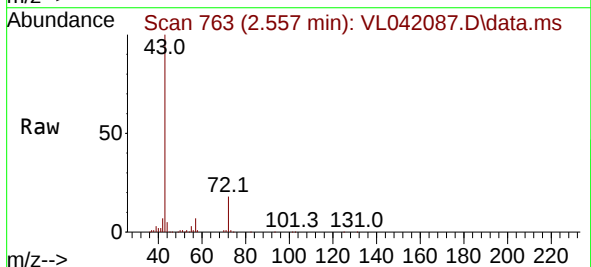
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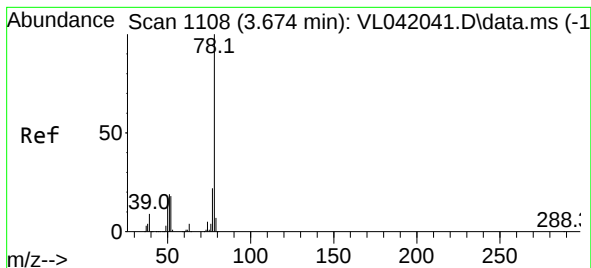
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#34
2-Butanone
Concen: 2.747 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.013 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion: 43 Resp: 75267
Ion Ratio Lower Upper
43 100
72 20.0 18.5 27.7





#36

Benzene

Concen: 0.179 ppbv m

RT: 3.648 min Scan# 1108

Delta R.T. -0.026 min

Lab File: VL042087.D

Acq: 03 Mar 2025 20:29

Instrument :

MSVOA_L

ClientSampleId :

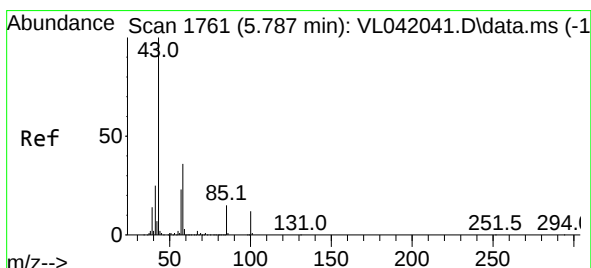
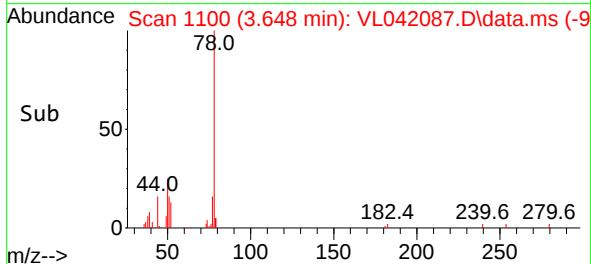
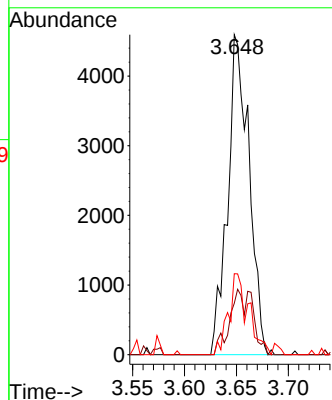
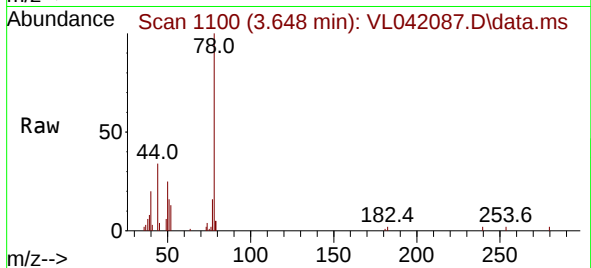
SV1DUP

Tgt Ion: 78	Resp: 6580
Ion Ratio	Lower Upper
78 100	
77 16.1	17.7 26.5
50 25.3	13.9 20.9

Manual Integrations

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Supervised By :Mahesh Dadoda 03/05/2025



#50

4-Methyl-2-Pentanone

Concen: 0.219 ppbv m

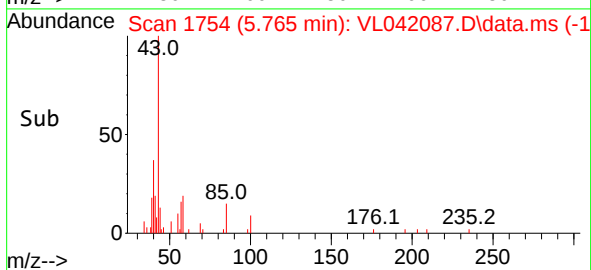
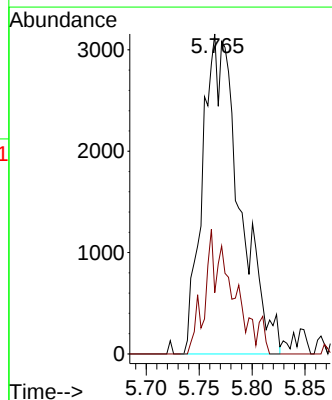
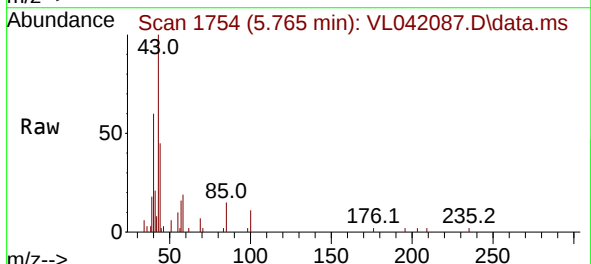
RT: 5.765 min Scan# 1754

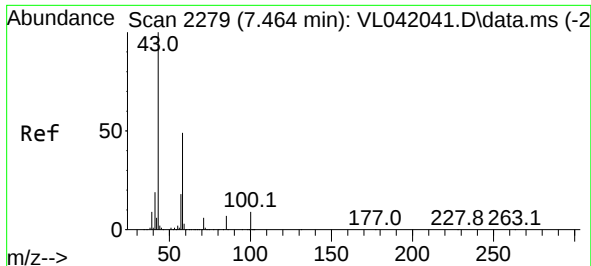
Delta R.T. -0.023 min

Lab File: VL042087.D

Acq: 03 Mar 2025 20:29

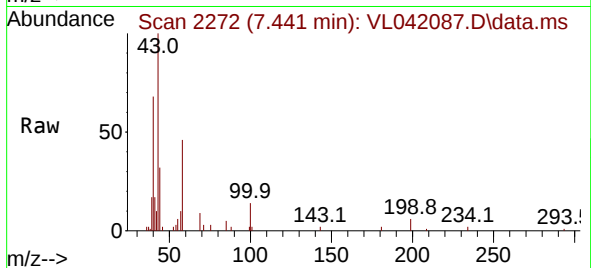
Tgt Ion: 43	Resp: 7751
Ion Ratio	Lower Upper
43 100	
58 29.5	29.3 43.9





#51
2-Hexanone
Concen: 0.290 ppbv m
RT: 7.441 min Scan# 2113
Delta R.T. -0.023 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

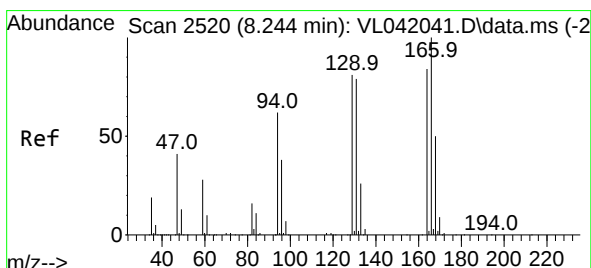
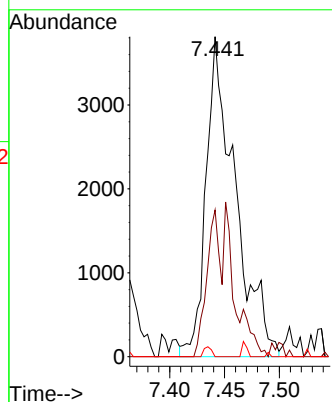
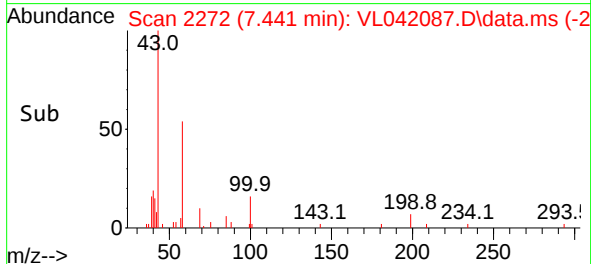
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP



Tgt Ion: 43 Resp: 7060
Ion Ratio Lower Upper
43 100
58 0.0 39.0 58.6
98 0.0 0.1 0.1

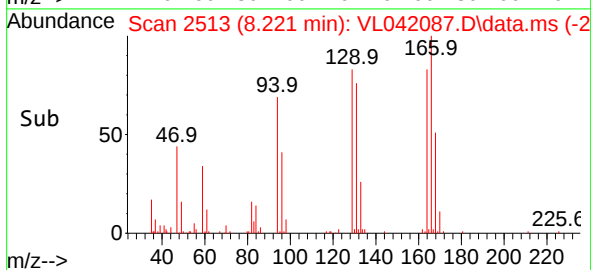
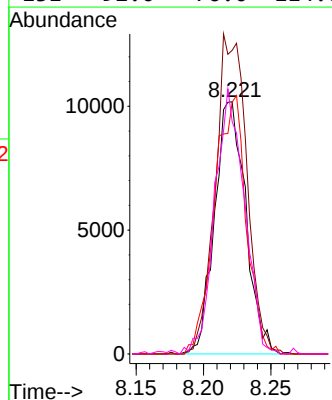
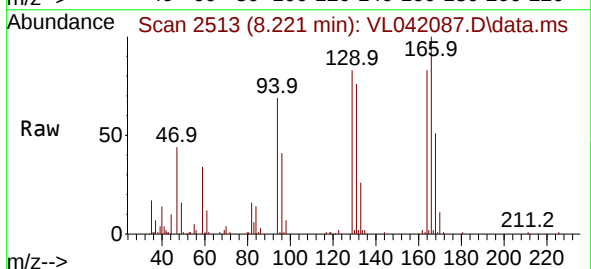
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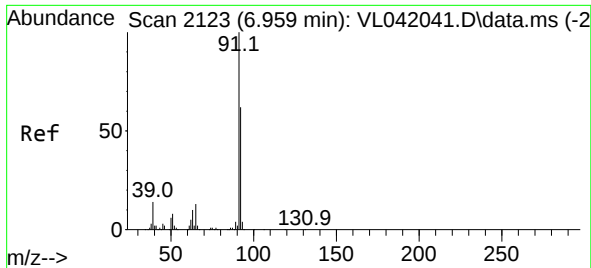
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#52
Tetrachloroethene
Concen: 1.297 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.023 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion:164 Resp: 16346
Ion Ratio Lower Upper
164 100
166 120.4 95.7 143.5
129 99.9 77.1 115.7
131 92.0 76.0 114.0





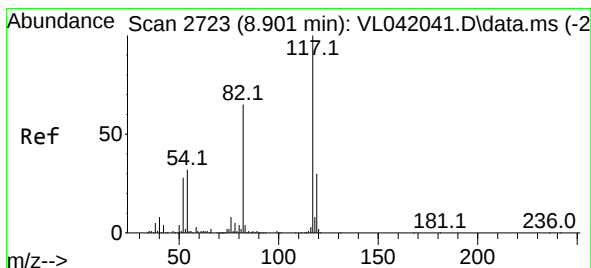
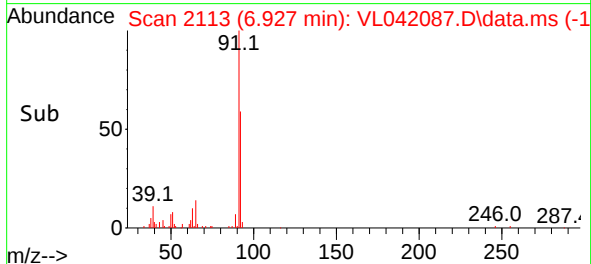
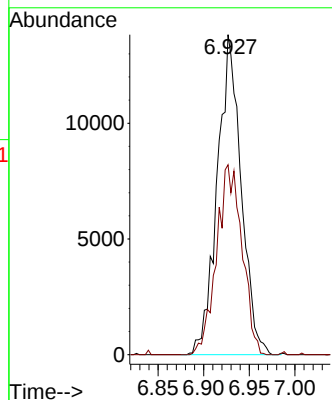
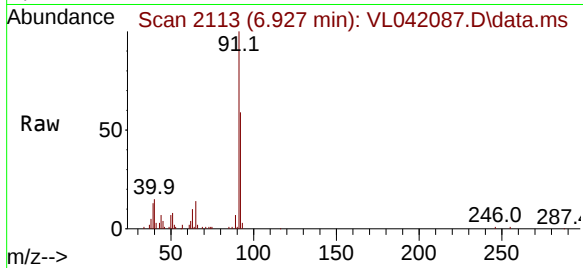
#53
Toluene
Concen: 0.611 ppbv m
RT: 6.927 min Scan# 2113
Delta R.T. -0.032 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tgt Ion: 91 Resp: 25120
Ion Ratio Lower Upper
91 100
92 63.5 49.0 73.6

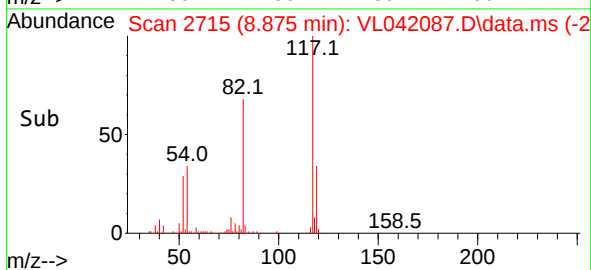
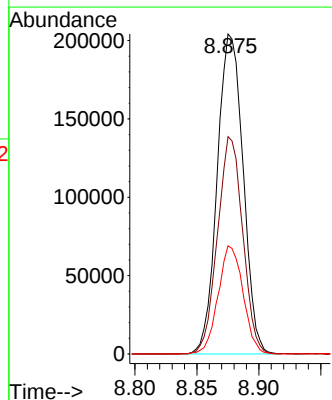
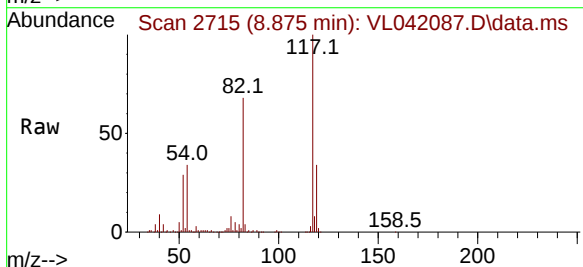
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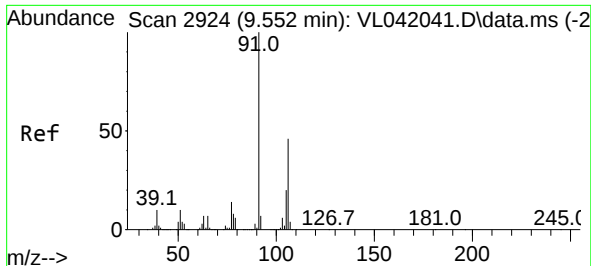
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.026 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion:117 Resp: 297676
Ion Ratio Lower Upper
117 100
82 66.2 55.0 82.6
119 32.5 25.9 38.9





#59

m/p-Xylene

Concen: 0.285 ppbv m

RT: 9.526 min Scan# 2916

Delta R.T. -0.026 min

Lab File: VL042087.D

Acq: 03 Mar 2025 20:29

Instrument :

MSVOA_L

ClientSampleId :

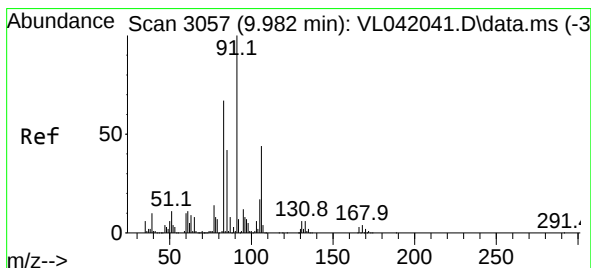
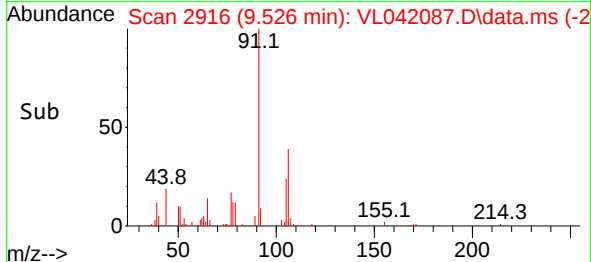
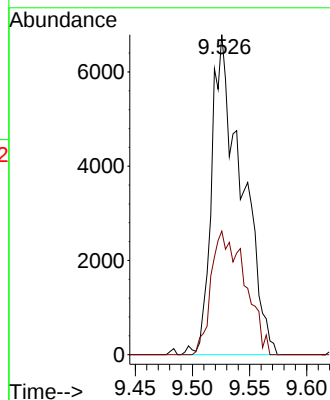
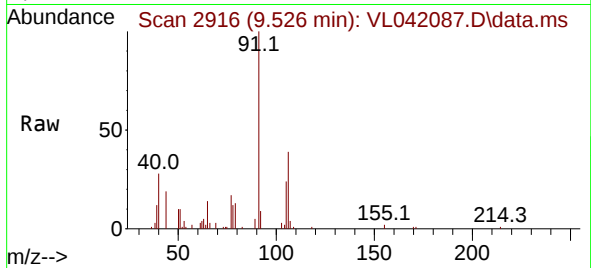
SV1DUP

Tgt Ion: 91 Resp: 1242
 Ion Ratio Lower Upper
 91 100
 106 43.3 0.0 0.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/04/2025
 Supervised By :Mahesh Dadoda 03/05/2025



#60

o-Xylene

Concen: 0.109 ppbv

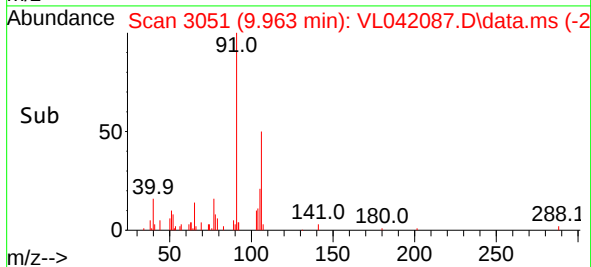
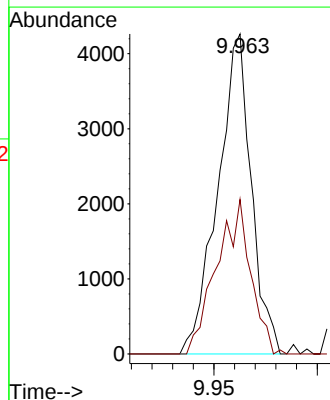
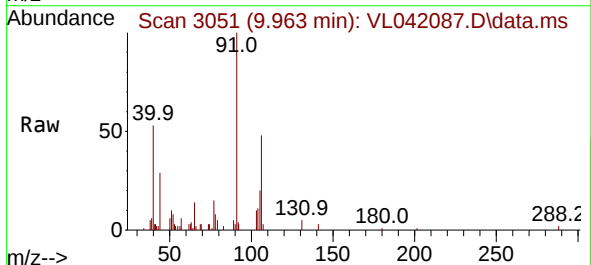
RT: 9.963 min Scan# 3051

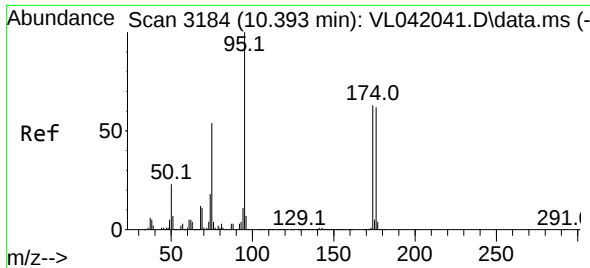
Delta R.T. -0.020 min

Lab File: VL042087.D

Acq: 03 Mar 2025 20:29

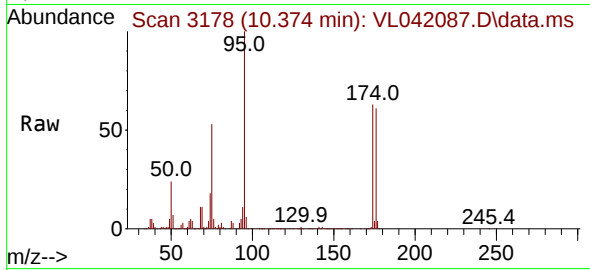
Tgt Ion: 91 Resp: 4793
 Ion Ratio Lower Upper
 91 100
 106 49.2 22.3 66.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.827 ppbv
RT: 10.374 min Scan# 3184
Delta R.T. -0.020 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

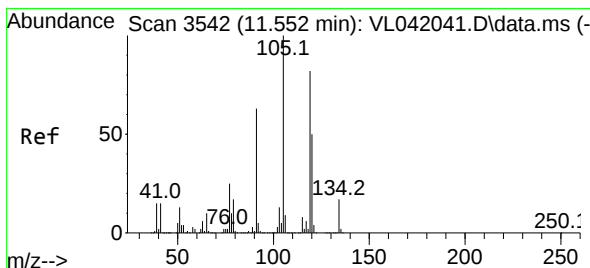
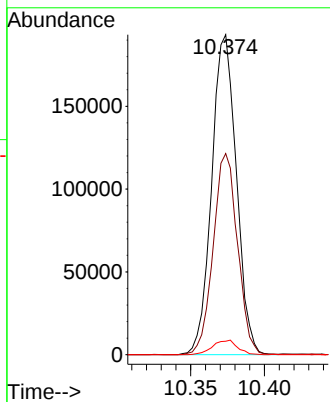
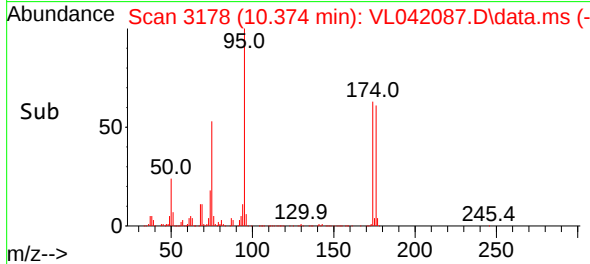
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP



Tgt Ion: 95 Resp: 225052
Ion Ratio Lower Upper
95 100
174 62.2 51.8 77.6
175 4.6 3.9 5.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.103 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.016 min
Lab File: VL042087.D
Acq: 03 Mar 2025 20:29

Tgt Ion:105 Resp: 5413
Ion Ratio Lower Upper
105 100
120 30.7 40.2 60.2#
91 14.3 51.4 77.2#
77 13.3 20.1 30.1#

