

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042085.D
 Acq On : 03 Mar 2025 19:28
 Operator : SY/MD
 Sample : Q1430-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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

Quant Time: Mar 04 00:21:54 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	2.787	49	160113	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.956	114	354605	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.879	117	302162	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	228590	9.833	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.496	85	2013	0.121	ppbv	96
9) Propene	1.483	41	3577	0.377	ppbv	98
11) Trichlorofluoromethane	1.875	101	2921	0.175	ppbv #	79
13) Ethanol	1.719	45	46249	76.851	ppbv	92
15) Acetone	1.836	43	42438	3.001	ppbv #	86
17) tert-Butyl alcohol	2.043	59	2090	0.118	ppbv #	70
19) Isopropyl Alcohol	1.887	45	6368m	0.784	ppbv	
20) Methylene Chloride	2.059	84	4683	0.876	ppbv	87
26) Hexane	2.829	57	5333	0.233	ppbv #	43
34) 2-Butanone	2.557	43	78799	2.852	ppbv	96
36) Benzene	3.648	78	6870m	0.185	ppbv	
50) 4-Methyl-2-Pentanone	5.758	43	7765m	0.217	ppbv	
51) 2-Hexanone	7.442	43	6585m	0.268	ppbv	
52) Tetrachloroethene	8.225	164	16785	1.321	ppbv	95
53) Toluene	6.933	91	27385m	0.660	ppbv	
59) m/p-Xylene	9.529	91	13524m	0.305	ppbv	
60) o-Xylene	9.960	91	5424m	0.122	ppbv	
74) 1,2,4-Trimethylbenzene	11.529	105	5489	0.103	ppbv #	57

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

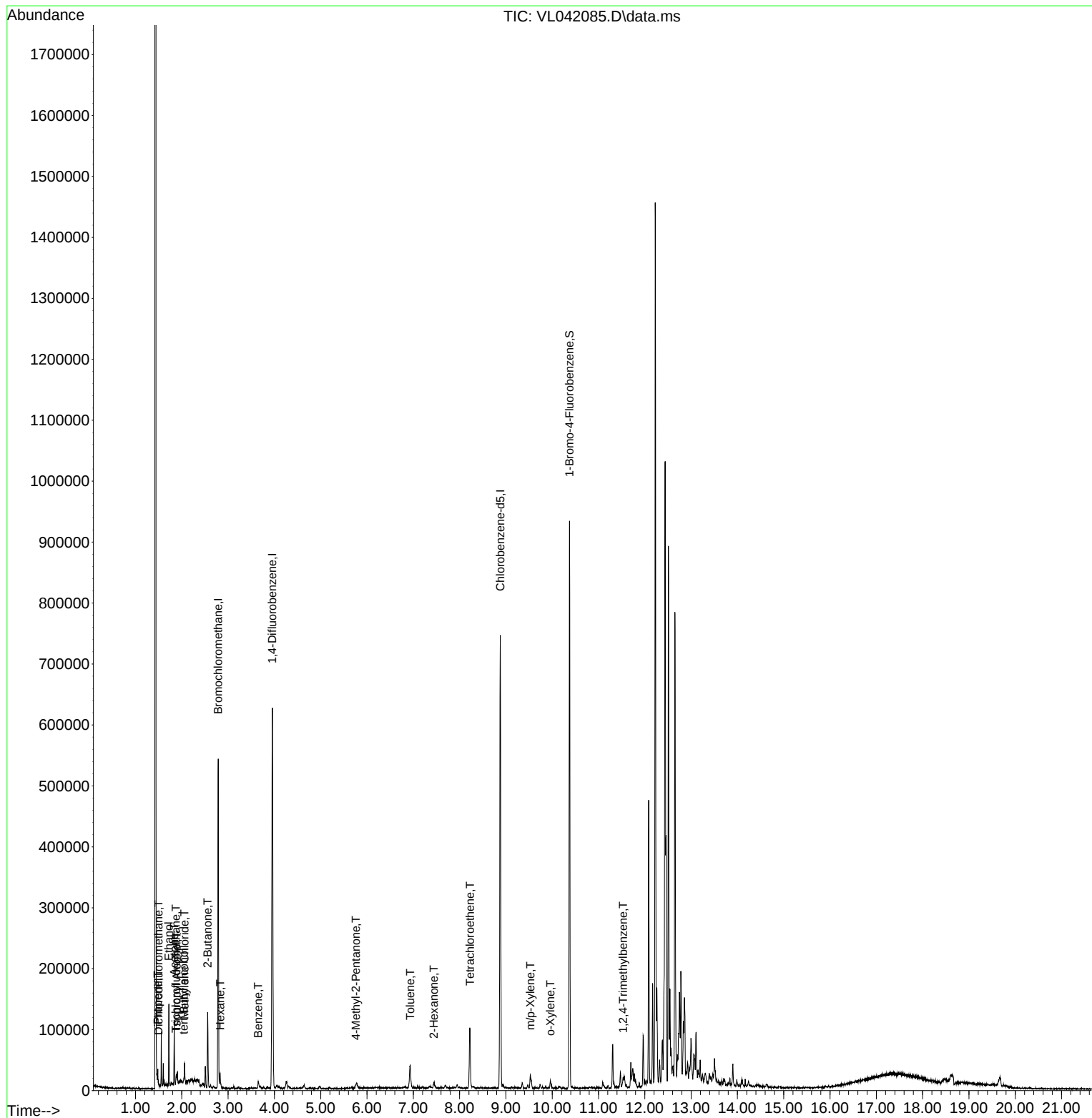
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
Data File : VL042085.D
Acq On : 03 Mar 2025 19:28
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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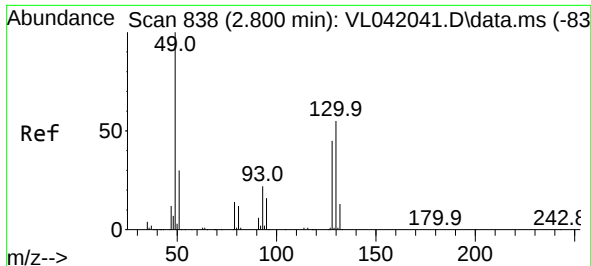
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Mar 04 00:21:54 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

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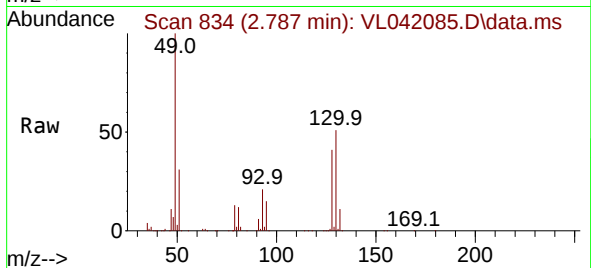
Reviewed By : Semsettin Yesilyurt 03/04/2025
Supervised By : Mahesh Dadoda 03/05/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 811
Delta R.T. -0.013 min
Lab File: VL042085.D
Acq: 03 Mar 2025 19:28

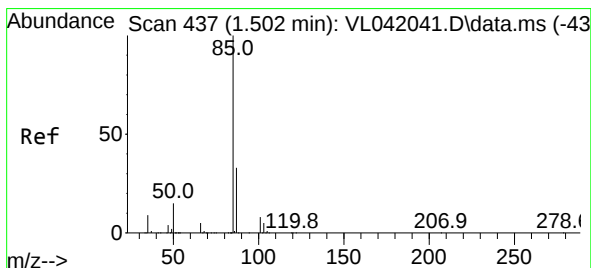
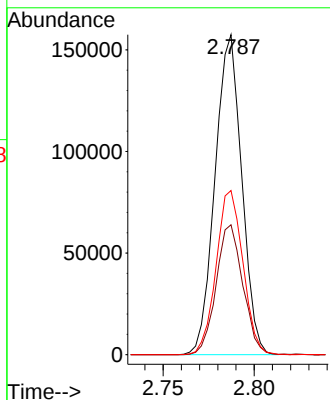
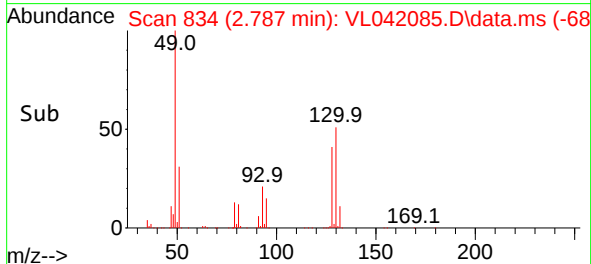
Instrument :
MSVOA_L
ClientSampleId :
SV1



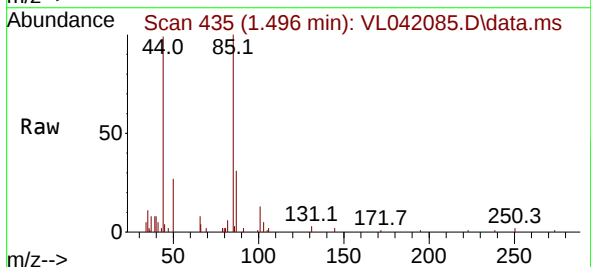
Tgt Ion: 49 Resp: 16011
Ion Ratio Lower Upper
49 100
128 40.6 21.6 64.8
130 51.6 27.8 83.4

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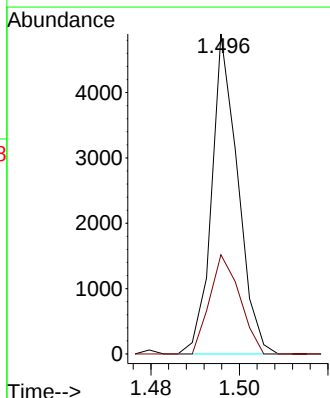
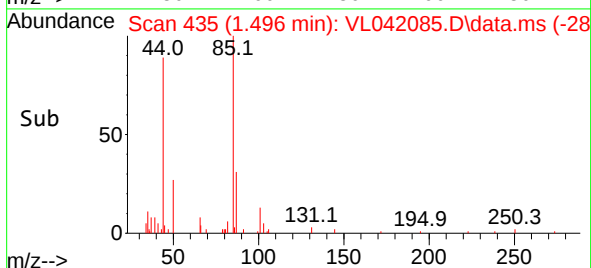
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025

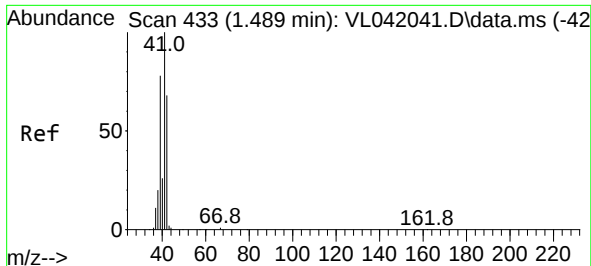


#2
Dichlorodifluoromethane
Concen: 0.121 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.006 min
Lab File: VL042085.D
Acq: 03 Mar 2025 19:28



Tgt Ion: 85 Resp: 2013
Ion Ratio Lower Upper
85 100
87 31.0 26.4 39.6





#9

Propene

Concen: 0.377 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL042085.D

Acq: 03 Mar 2025 19:28

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 41 Resp: 357

Ion Ratio Lower Upper

41 100

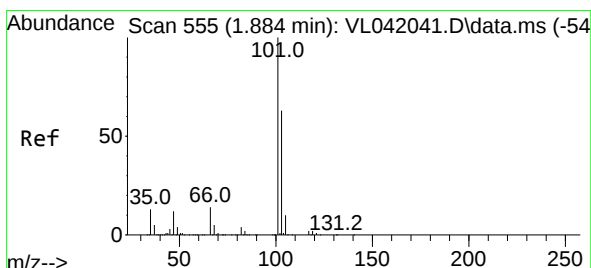
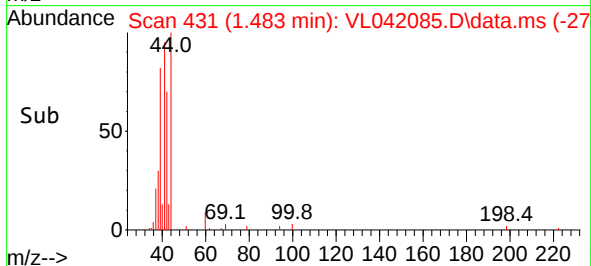
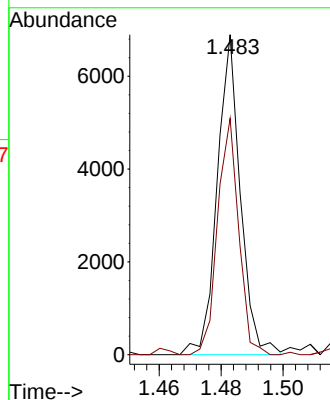
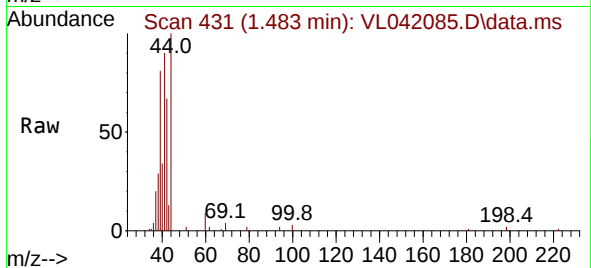
42 68.4 55.8 83.6

Manual Integrations

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Supervised By :Mahesh Dadoda 03/05/2025



#11

Trichlorofluoromethane

Concen: 0.175 ppbv

RT: 1.875 min Scan# 552

Delta R.T. -0.010 min

Lab File: VL042085.D

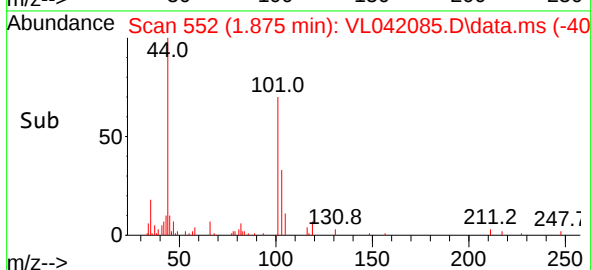
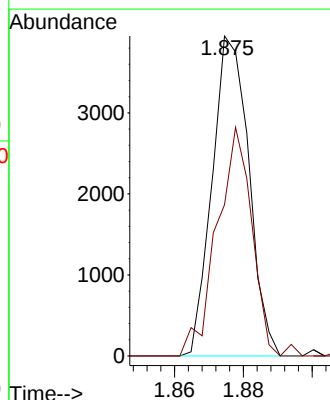
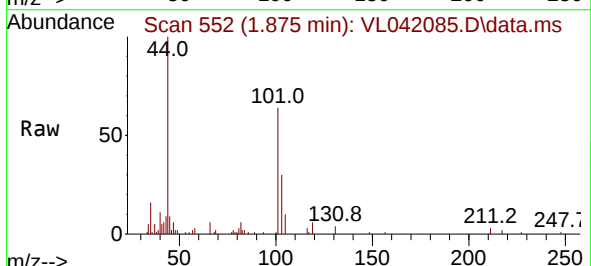
Acq: 03 Mar 2025 19:28

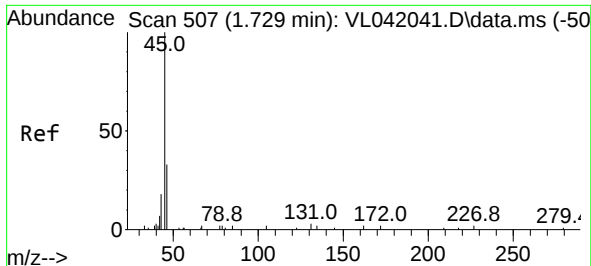
Tgt Ion:101 Resp: 2921

Ion Ratio Lower Upper

101 100

103 47.3 50.6 75.8#





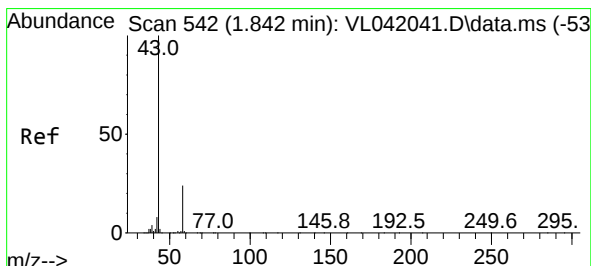
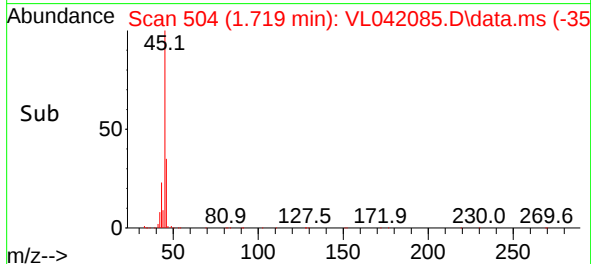
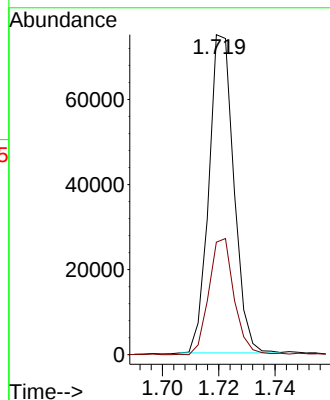
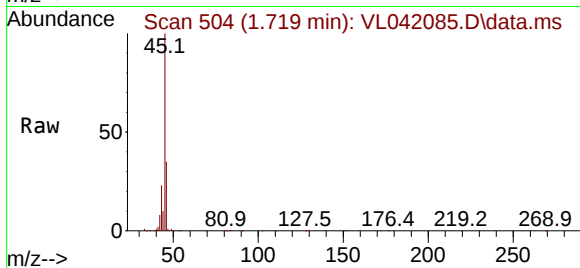
#13
Ethanol
Concen: 76.851 ppbv
RT: 1.719 min Scan# 507
Delta R.T. -0.010 min
Lab File: VL042085.D
Acq: 03 Mar 2025 19:28

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 46249
Ion Ratio Lower Upper
45 100
46 37.7 17.1 68.3

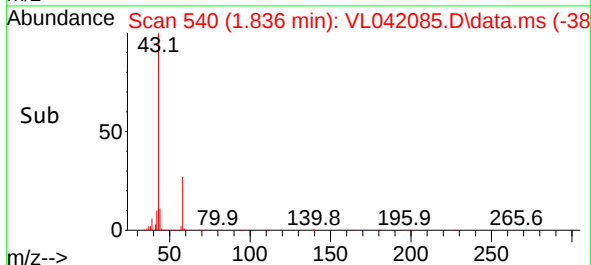
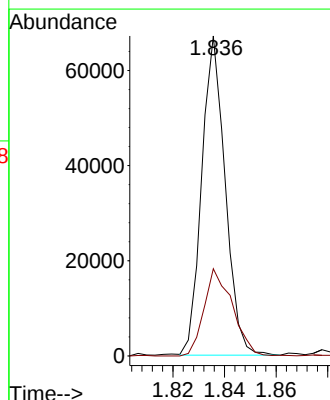
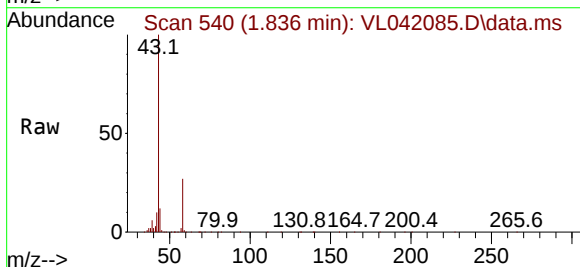
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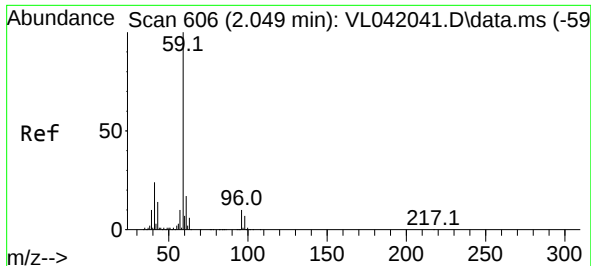
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#15
Acetone
Concen: 3.001 ppbv
RT: 1.836 min Scan# 540
Delta R.T. -0.006 min
Lab File: VL042085.D
Acq: 03 Mar 2025 19:28

Tgt Ion: 43 Resp: 42438
Ion Ratio Lower Upper
43 100
58 33.1 20.7 31.1#





#17

tert-Butyl alcohol

Concen: 0.118 ppbv

RT: 2.043 min Scan# 606

Delta R.T. -0.006 min

Lab File: VL042085.D

Acq: 03 Mar 2025 19:28

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 59 Resp: 2090

Ion Ratio Lower Upper

59 100

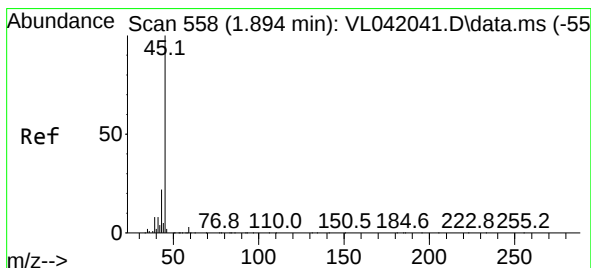
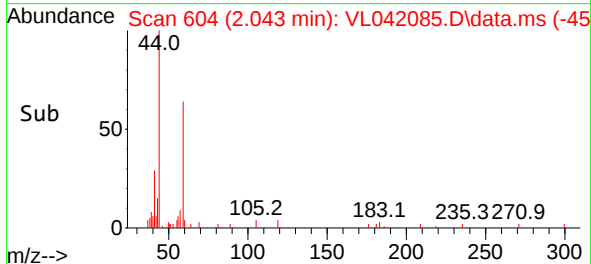
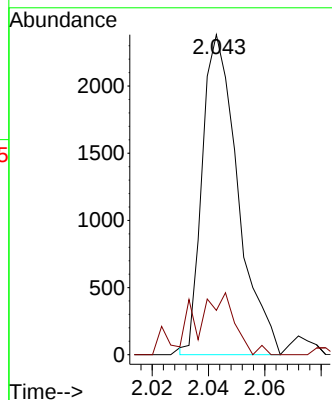
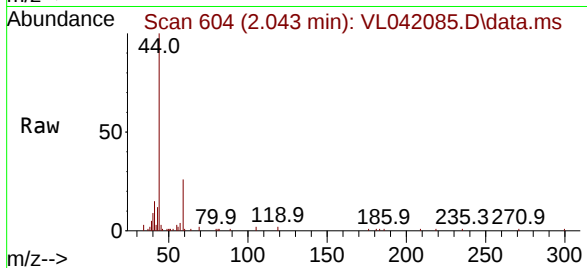
57 23.2 9.3 13.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/04/2025

Supervised By :Mahesh Dadoda 03/05/2025



#19

Isopropyl Alcohol

Concen: 0.784 ppbv m

RT: 1.887 min Scan# 556

Delta R.T. -0.006 min

Lab File: VL042085.D

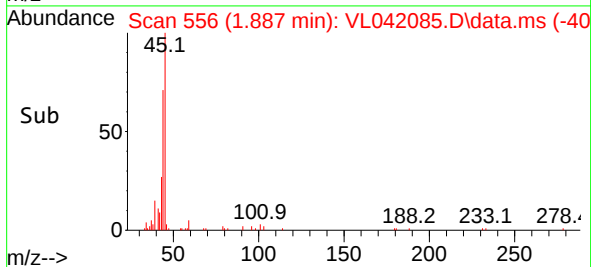
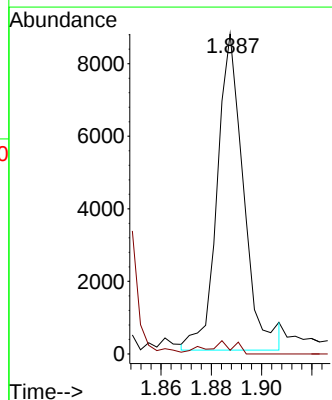
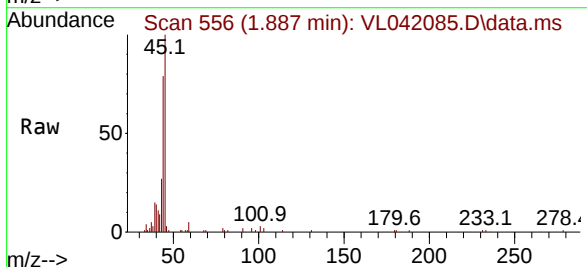
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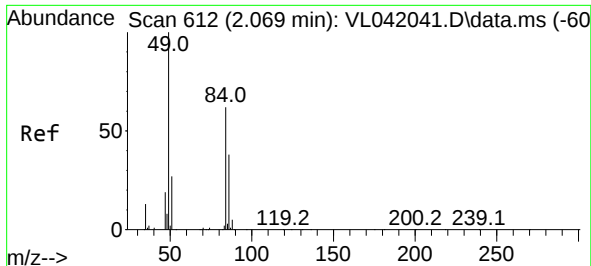
Tgt Ion: 45 Resp: 6368

Ion Ratio Lower Upper

45 100

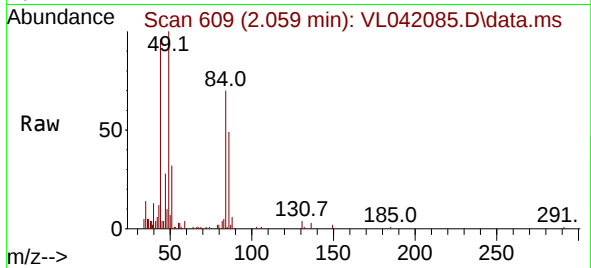
58 221.0 35.3 52.9





#20
Methylene Chloride
Concen: 0.876 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL042085.D
Acq: 03 Mar 2025 19:28

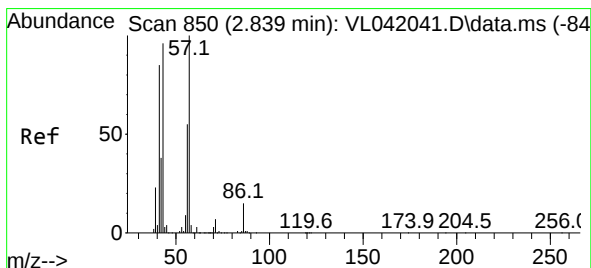
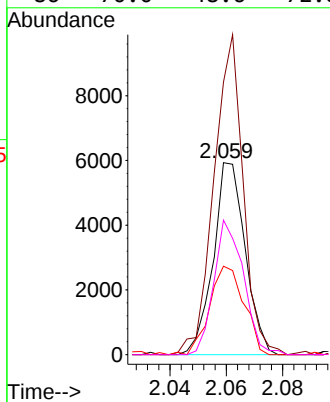
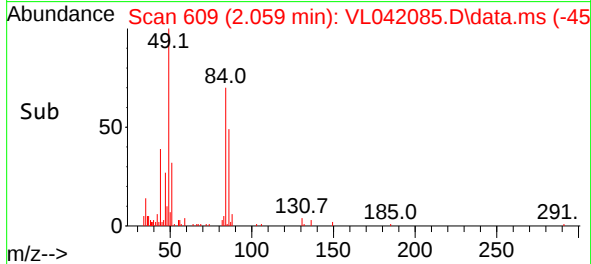
Instrument :
MSVOA_L
ClientSampleId :
SV1



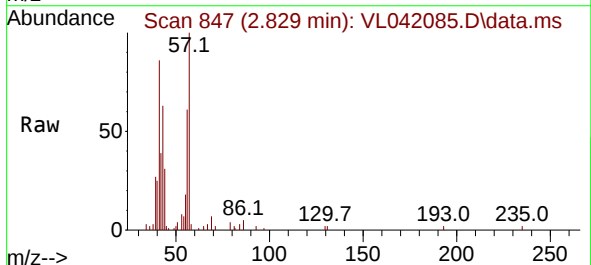
Tgt Ion: 84 Resp: 4683
Ion Ratio Lower Upper
84 100
49 140.7 130.0 195.0
51 46.1 37.4 56.0
86 70.0 48.6 72.8

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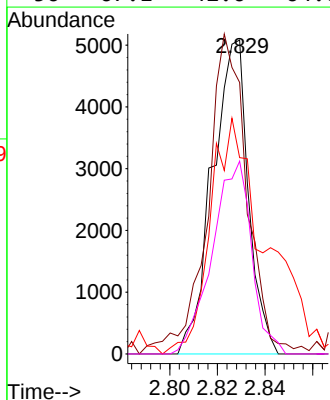
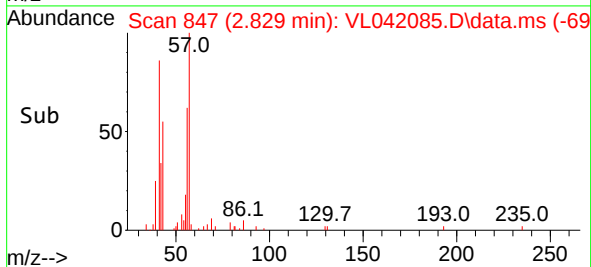
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025

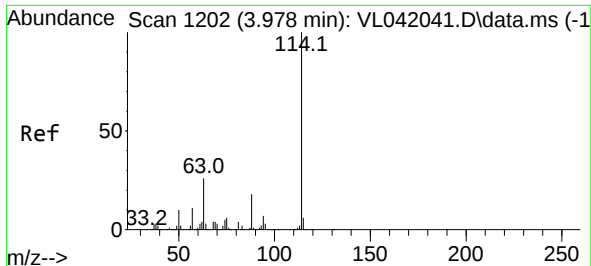


#26
Hexane
Concen: 0.233 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.010 min
Lab File: VL042085.D
Acq: 03 Mar 2025 19:28



Tgt Ion: 57 Resp: 5333
Ion Ratio Lower Upper
57 100
41 117.0 70.6 106.0#
43 119.4 199.4 299.0#
56 67.1 42.6 64.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.023 min

Lab File: VL042085.D

Acq: 03 Mar 2025 19:28

Instrument :

MSVOA_L

ClientSampleId :

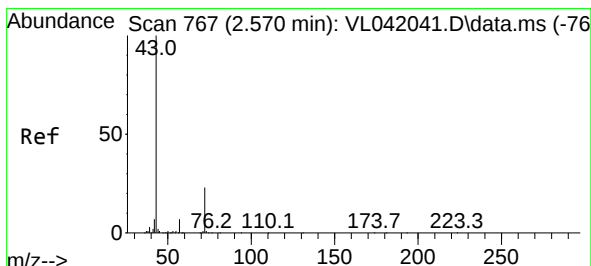
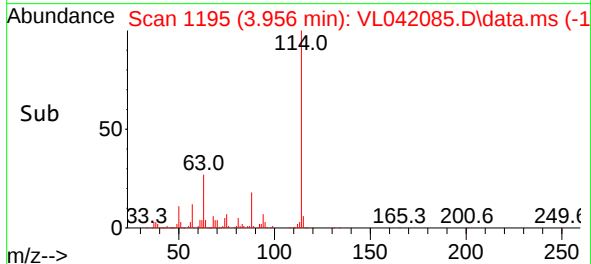
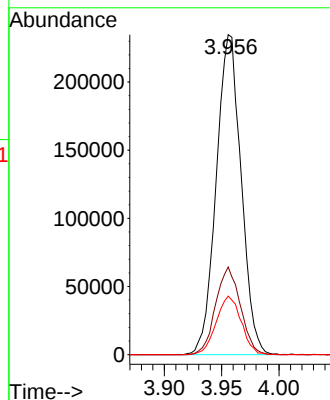
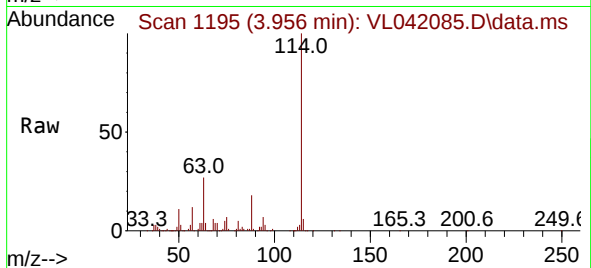
SV1

Tgt Ion:114 Resp: 354609
 Ion Ratio Lower Upper
 114 100
 63 27.3 20.1 30.1
 88 18.4 14.3 21.5

Manual Integrations

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



#34

2-Butanone

Concen: 2.852 ppbv

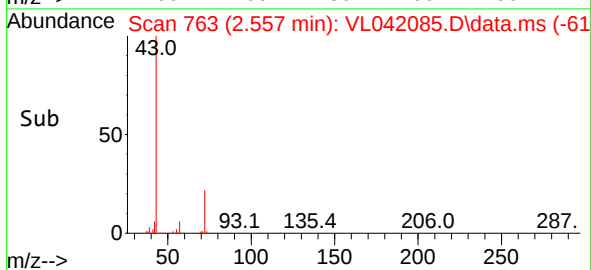
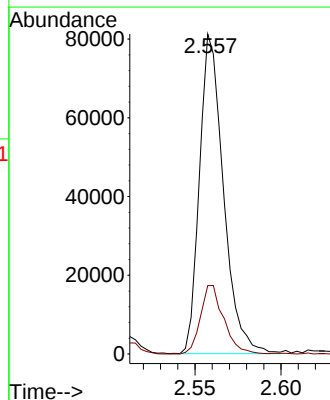
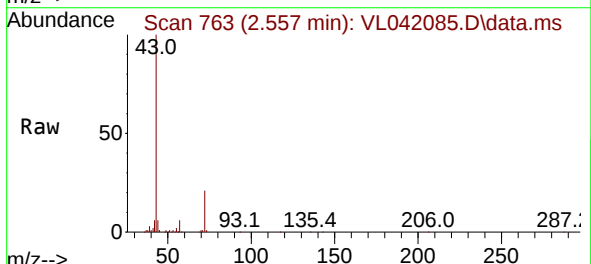
RT: 2.557 min Scan# 763

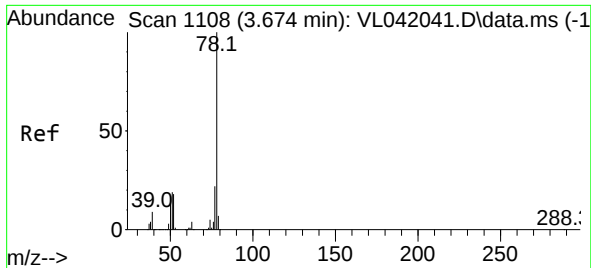
Delta R.T. -0.013 min

Lab File: VL042085.D

Acq: 03 Mar 2025 19:28

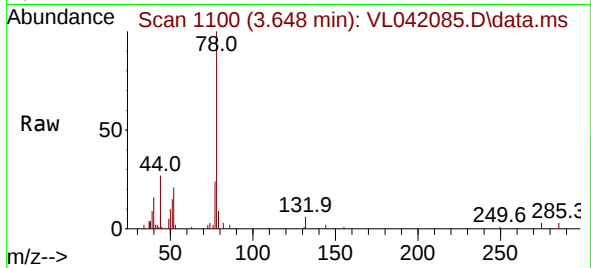
Tgt Ion: 43 Resp: 78799
 Ion Ratio Lower Upper
 43 100
 72 21.1 18.5 27.7





#36
Benzene
Concen: 0.185 ppbv m
RT: 3.648 min Scan# 1108
Delta R.T. -0.026 min
Lab File: VL042085.D
Acq: 03 Mar 2025 19:28

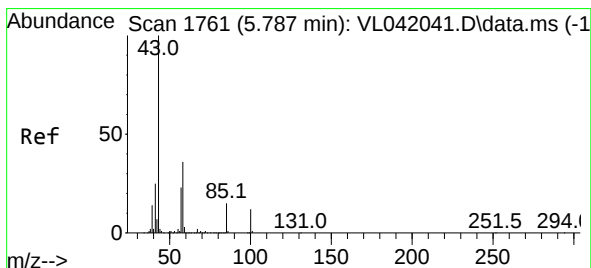
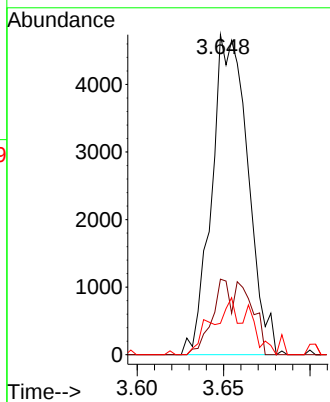
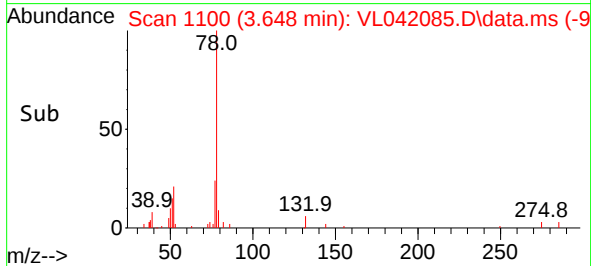
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 78 Resp: 6870
Ion Ratio Lower Upper
78 100
77 23.6 17.7 26.5
50 9.8 13.9 20.9

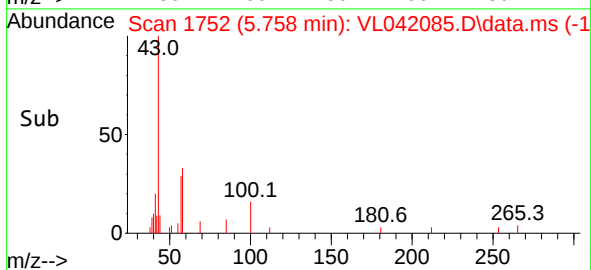
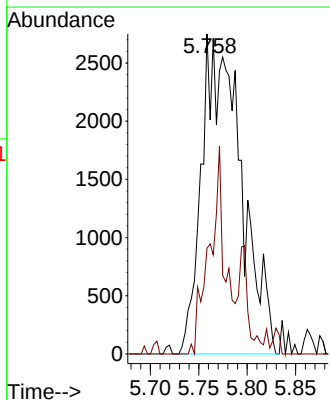
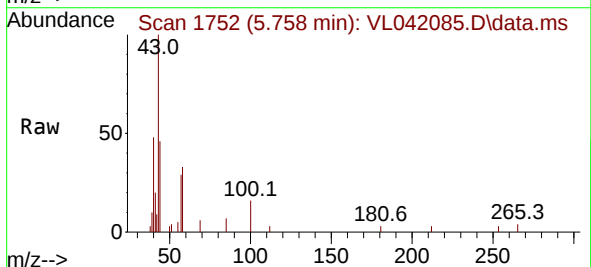
Manual Integrations
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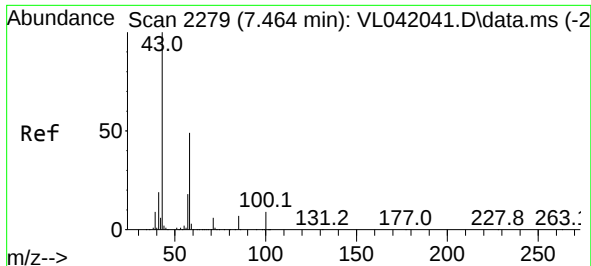
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#50
4-Methyl-2-Pentanone
Concen: 0.217 ppbv m
RT: 5.758 min Scan# 1752
Delta R.T. -0.029 min
Lab File: VL042085.D
Acq: 03 Mar 2025 19:28

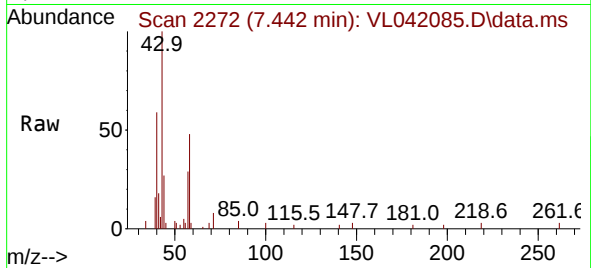
Tgt Ion: 43 Resp: 7765
Ion Ratio Lower Upper
43 100
58 0.0 29.3 43.9





#51
2-Hexanone
Concen: 0.268 ppbv m
RT: 7.442 min Scan# 2114
Delta R.T. -0.023 min
Lab File: VL042085.D
Acq: 03 Mar 2025 19:28

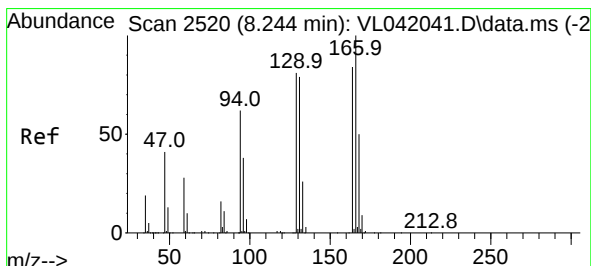
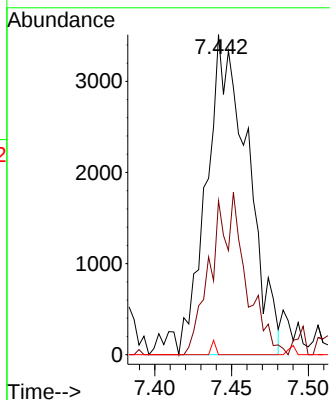
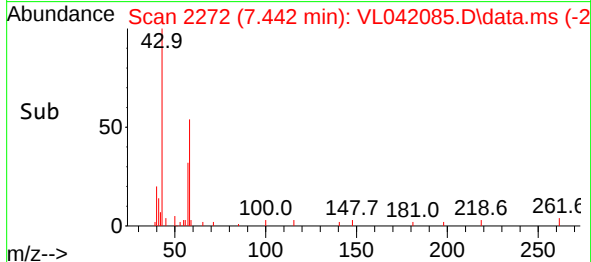
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 658
Ion Ratio Lower Upper
43 100
58 0.0 39.0 58.6
98 0.0 0.1 0.1

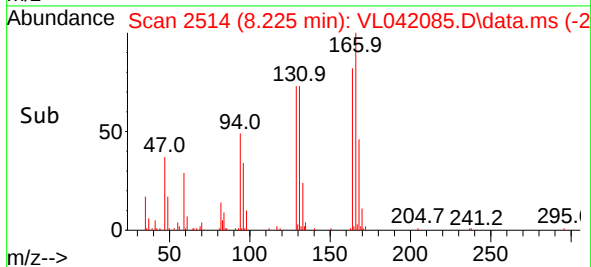
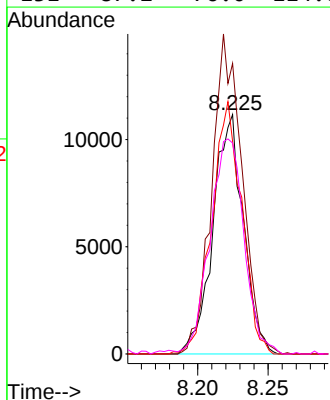
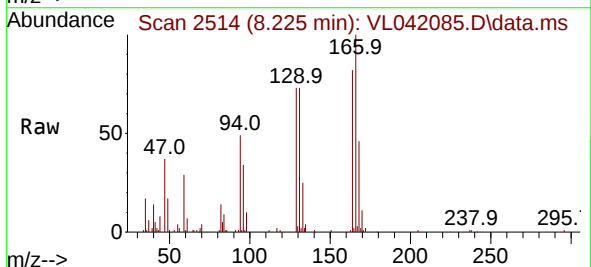
Manual Integrations
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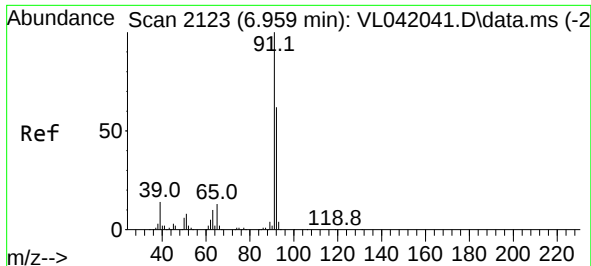
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025



#52
Tetrachloroethene
Concen: 1.321 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. -0.019 min
Lab File: VL042085.D
Acq: 03 Mar 2025 19:28

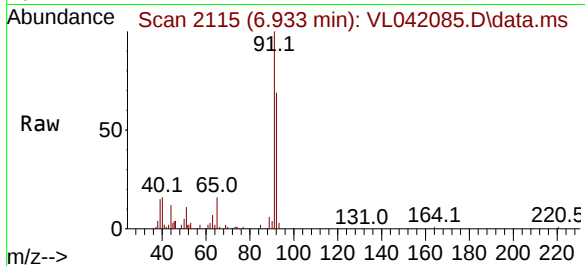
Tgt Ion:164 Resp: 16785
Ion Ratio Lower Upper
164 100
166 121.4 95.7 143.5
129 88.8 77.1 115.7
131 87.2 76.0 114.0





#53
Toluene
Concen: 0.660 ppbv m
RT: 6.933 min Scan# 2115
Delta R.T. -0.026 min
Lab File: VL042085.D
Acq: 03 Mar 2025 19:28

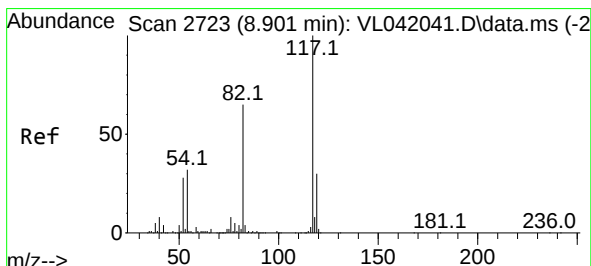
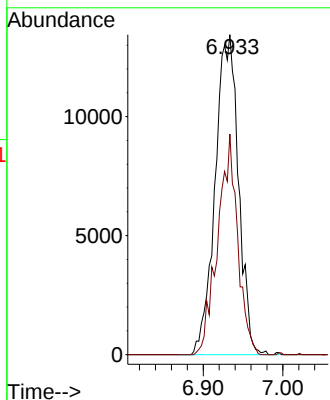
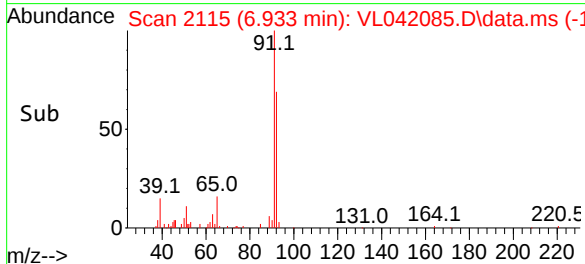
Instrument :
MSVOA_L
ClientSampleId :
SV1



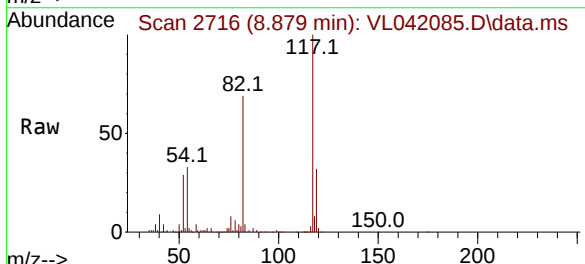
Tgt Ion: 91 Resp: 2738
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.6

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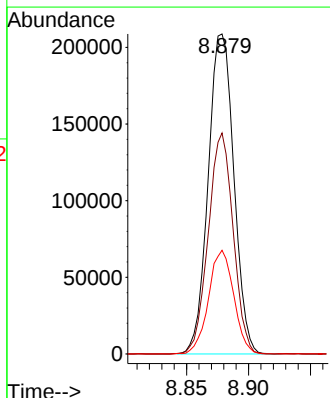
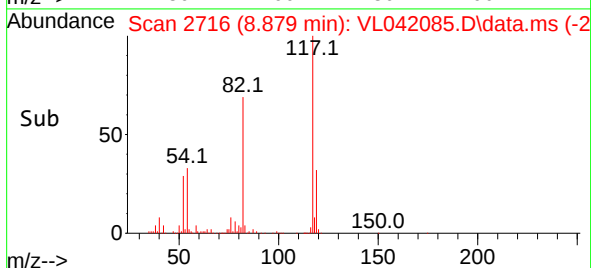
Reviewed By :Semsettin Yesilyurt 03/04/2025
Supervised By :Mahesh Dadoda 03/05/2025

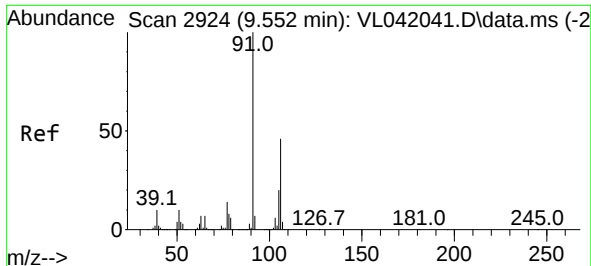


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2716
Delta R.T. -0.023 min
Lab File: VL042085.D
Acq: 03 Mar 2025 19:28



Tgt Ion:117 Resp: 302162
Ion Ratio Lower Upper
117 100
82 66.8 55.0 82.6
119 31.8 25.9 38.9





#59

m/p-Xylene

Concen: 0.305 ppbv m

RT: 9.529 min Scan# 2917

Delta R.T. -0.023 min

Lab File: VL042085.D

Acq: 03 Mar 2025 19:28

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 13524

Ion Ratio Lower Upper

91 100

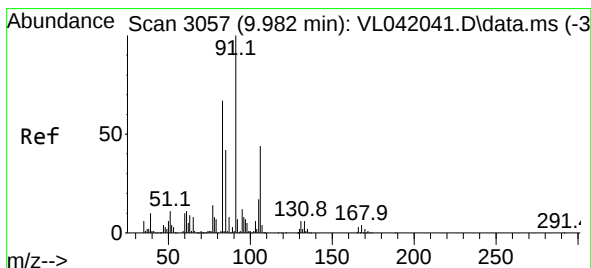
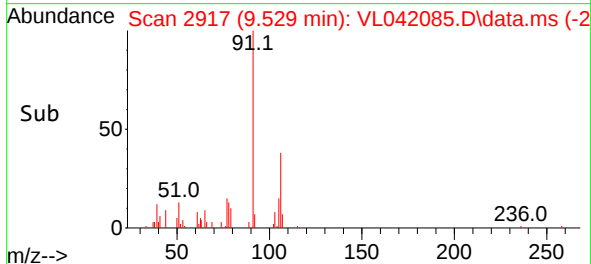
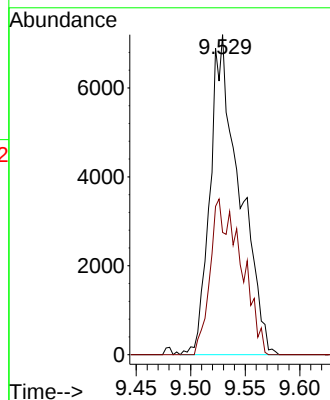
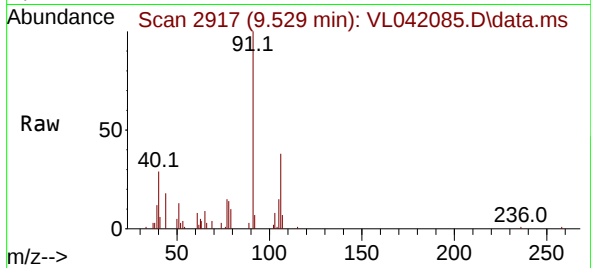
106 51.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/04/2025

Supervised By :Mahesh Dadoda 03/05/2025



#60

o-Xylene

Concen: 0.122 ppbv m

RT: 9.960 min Scan# 3050

Delta R.T. -0.023 min

Lab File: VL042085.D

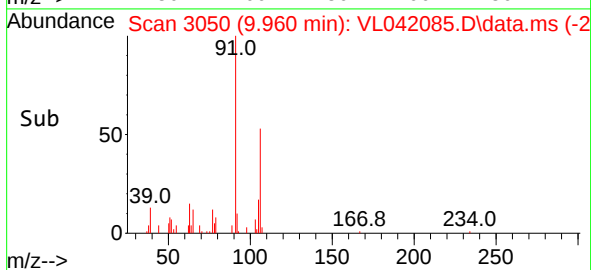
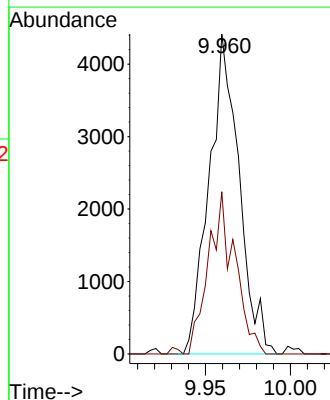
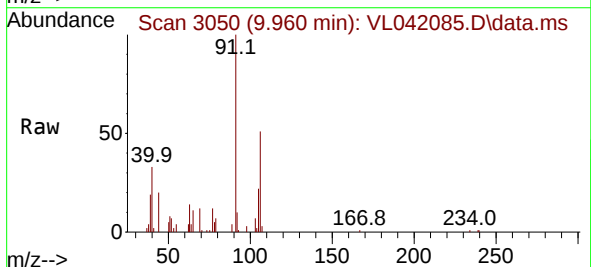
Acq: 03 Mar 2025 19:28

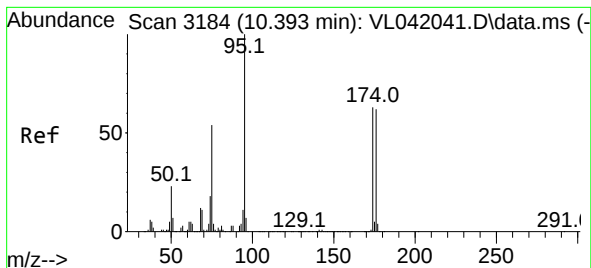
Tgt Ion: 91 Resp: 5424

Ion Ratio Lower Upper

91 100

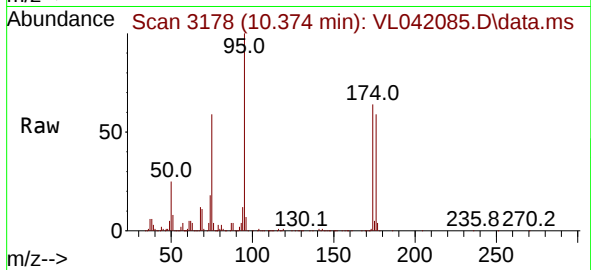
106 45.3 22.3 66.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.833 ppbv
RT: 10.374 min Scan# 3184
Delta R.T. -0.019 min
Lab File: VL042085.D
Acq: 03 Mar 2025 19:28

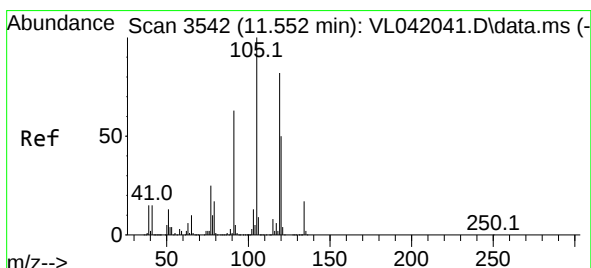
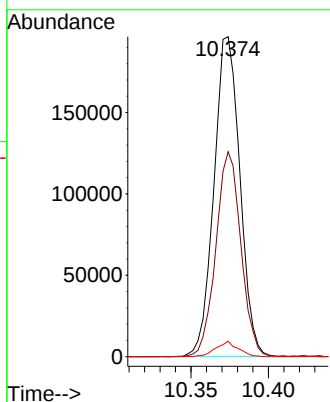
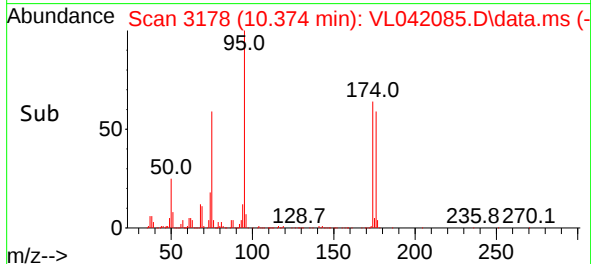
Instrument :
MSVOA_L
ClientSampleId :
SV1



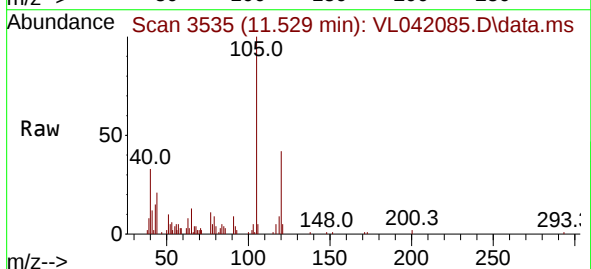
Tgt Ion: 95 Resp: 228590
Ion Ratio Lower Upper
95 100
174 62.1 51.8 77.6
175 4.2 3.9 5.9

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: 11.529 min Scan# 3535
Delta R.T. -0.023 min
Lab File: VL042085.D
Acq: 03 Mar 2025 19:28



Tgt Ion:105 Resp: 5489
Ion Ratio Lower Upper
105 100
120 40.4 40.2 60.2
91 8.3 51.4 77.2#
77 10.5 20.1 30.1#

