

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
 Data File : VL042105.D
 Acq On : 05 Mar 2025 15:37
 Operator : SY/MD
 Sample : Q1483-02DL 8X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/06/2025
 Supervised By :Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 01:09:02 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	2.810	49	157669	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.994	114	354066	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.914	117	290825	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.403	95	211664	9.460	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.600%
Target Compounds						
						Qvalue
3) Chlorodifluoromethane	1.486	51	13846	0.604	ppbv	97
9) Propene	1.496	41	7747m	0.830	ppbv	
11) Trichlorofluoromethane	1.891	101	1739	0.106	ppbv	87
13) Ethanol	1.732	45	190776	321.920	ppbv	93
15) Acetone	1.848	43	273963	19.676	ppbv	100
19) Isopropyl Alcohol	1.900	45	2154653	269.394	ppbv #	33
20) Methylene Chloride	2.075	84	13976	2.654	ppbv	94
25) Ethyl Acetate	2.862	43	11635	0.209	ppbv #	86
34) 2-Butanone	2.583	43	5291m	0.192	ppbv	
38) Trichloroethene	4.590	130	1741m	0.115	ppbv	
43) Methyl Methacrylate	4.930	69	6062m	0.419	ppbv	
52) Tetrachloroethene	8.267	164	56347	4.441	ppbv	93

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

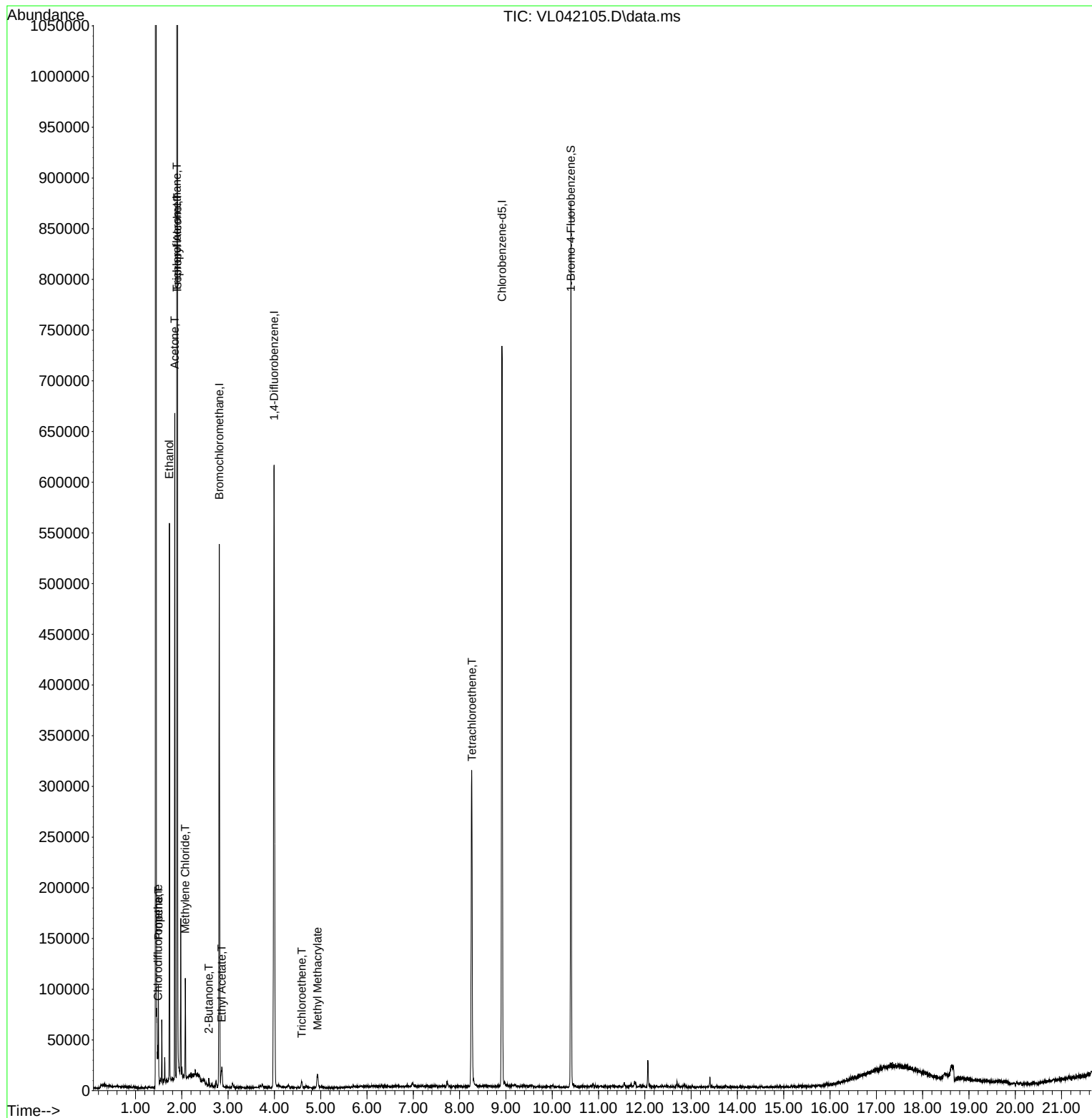
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
Data File : VL042105.D
Acq On : 05 Mar 2025 15:37
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Sample : Q1483-02DL 8X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

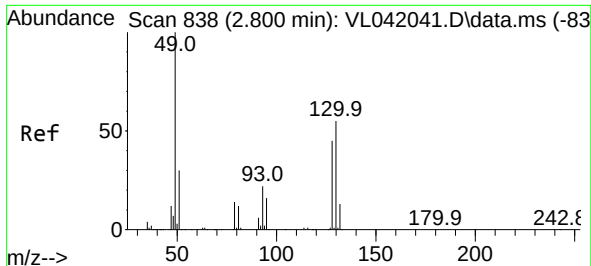
Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Quant Time: Mar 06 01:09:02 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

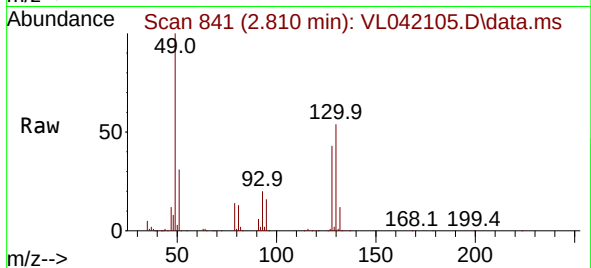
Reviewed By : Semsettin Yesilyurt 03/06/2025
Supervised By : Mahesh Dadoda 03/06/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.810 min Scan# 841
Delta R.T. 0.010 min
Lab File: VL042105.D
Acq: 05 Mar 2025 15:37

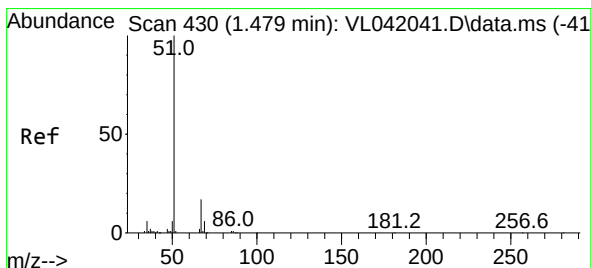
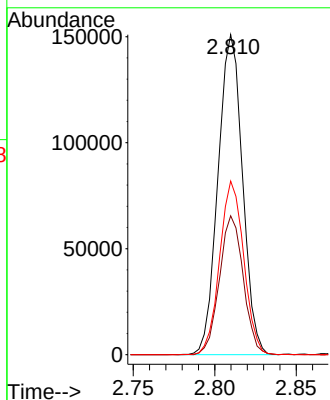
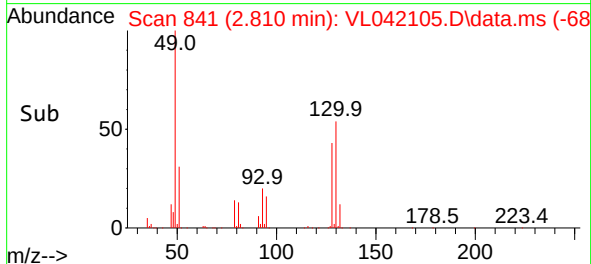
Instrument :
MSVOA_L
ClientSampleId :
IA2DL



Tgt Ion: 49 Resp: 157669
Ion Ratio Lower Upper
49 100
128 42.2 21.6 64.8
130 53.3 27.8 83.4

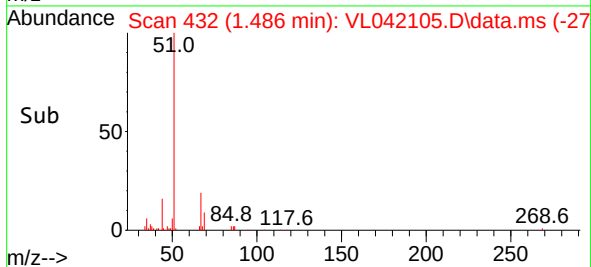
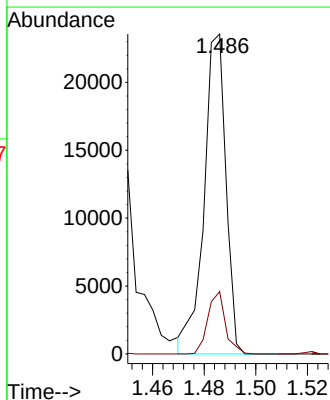
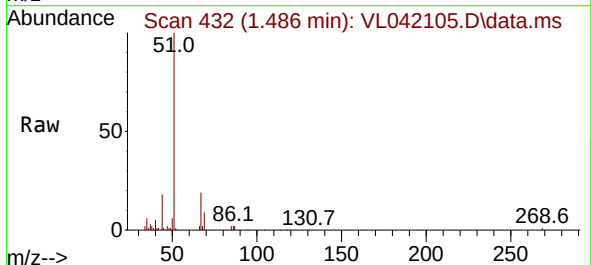
Manual Integrations
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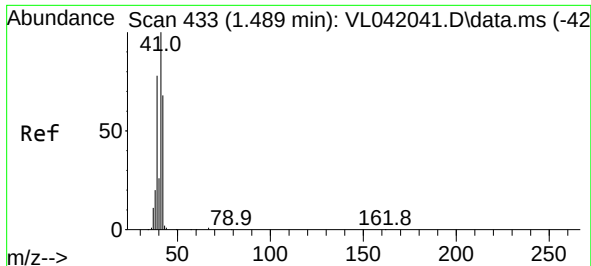
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#3
Chlorodifluoromethane
Concen: 0.604 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.007 min
Lab File: VL042105.D
Acq: 05 Mar 2025 15:37

Tgt Ion: 51 Resp: 13846
Ion Ratio Lower Upper
51 100
67 15.7 13.7 20.5





#9

Propene

Concen: 0.830 ppbv m

RT: 1.496 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042105.D

Acq: 05 Mar 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

Tgt Ion: 41 Resp: 774

Ion Ratio Lower Upper

41 100

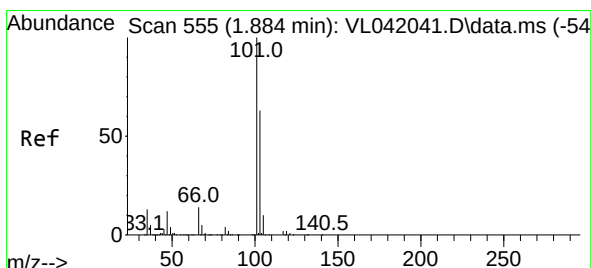
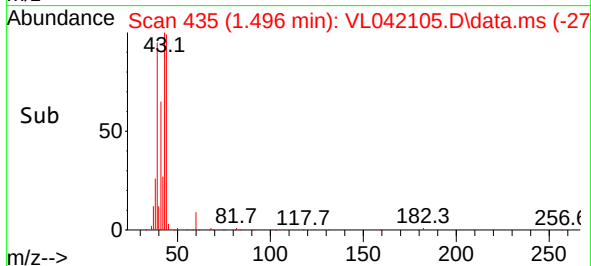
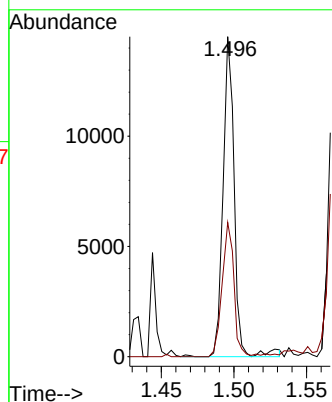
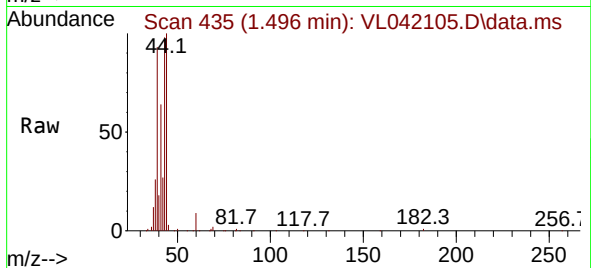
42 2170.5 55.8 83.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#11

Trichlorofluoromethane

Concen: 0.106 ppbv

RT: 1.891 min Scan# 557

Delta R.T. 0.006 min

Lab File: VL042105.D

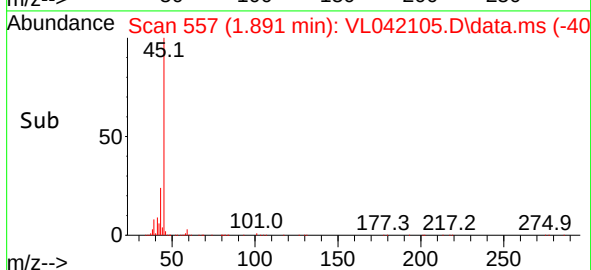
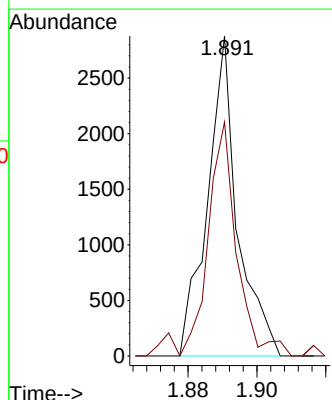
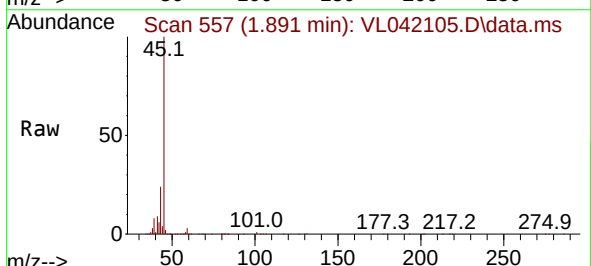
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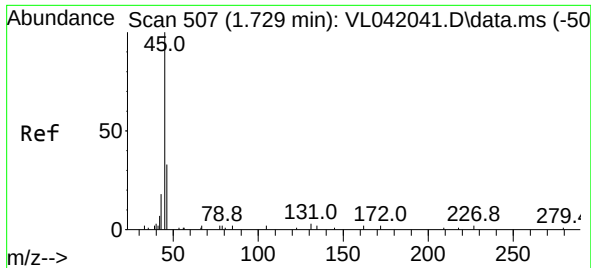
Tgt Ion:101 Resp: 1739

Ion Ratio Lower Upper

101 100

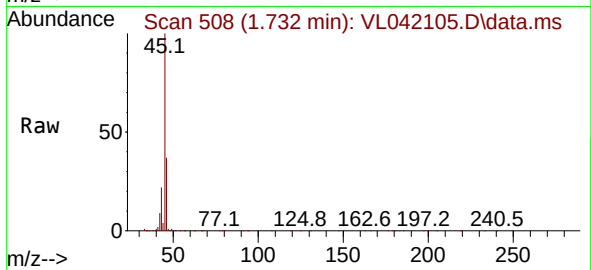
103 73.1 50.6 75.8





#13
Ethanol
Concen: 321.920 ppbv
RT: 1.732 min Scan# 507
Delta R.T. 0.003 min
Lab File: VL042105.D
Acq: 05 Mar 2025 15:37

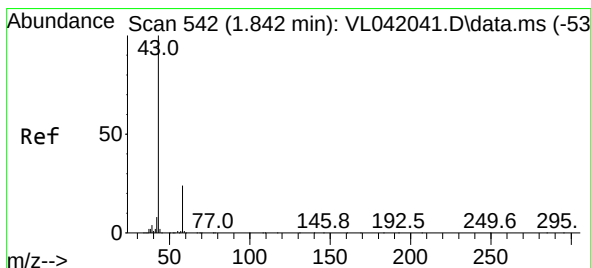
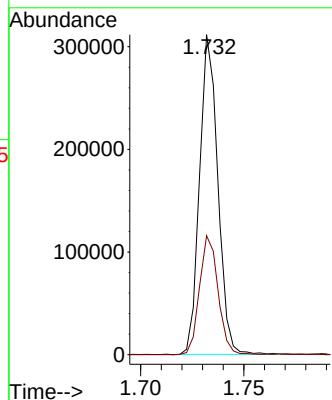
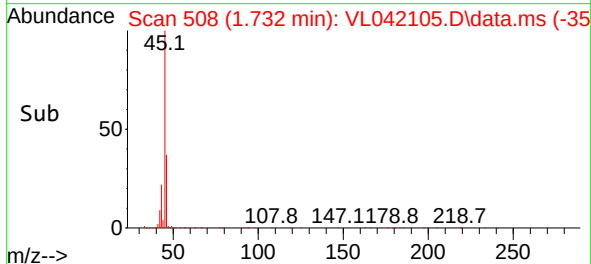
Instrument :
MSVOA_L
ClientSampleId :
IA2DL



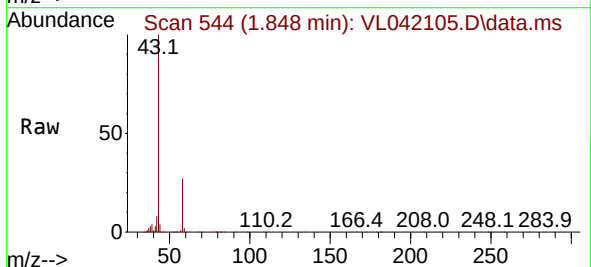
Tgt Ion: 45 Resp: 190776
Ion Ratio Lower Upper
45 100
46 38.4 17.1 68.3

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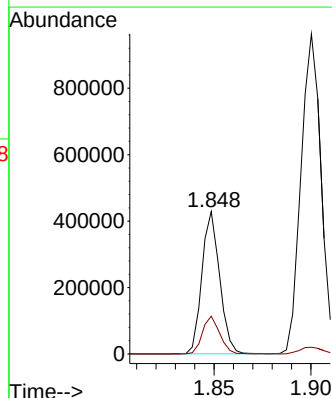
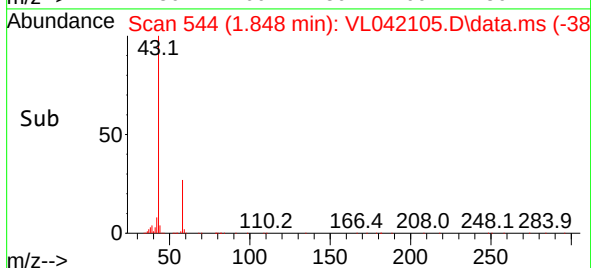
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

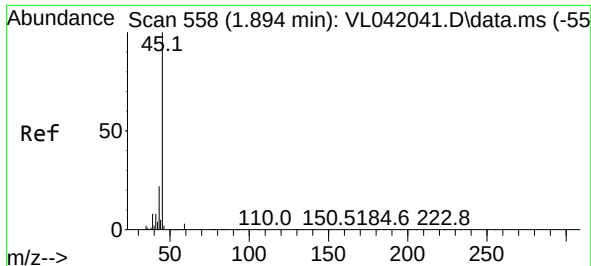


#15
Acetone
Concen: 19.676 ppbv
RT: 1.848 min Scan# 544
Delta R.T. 0.006 min
Lab File: VL042105.D
Acq: 05 Mar 2025 15:37



Tgt Ion: 43 Resp: 273963
Ion Ratio Lower Upper
43 100
58 25.8 20.7 31.1





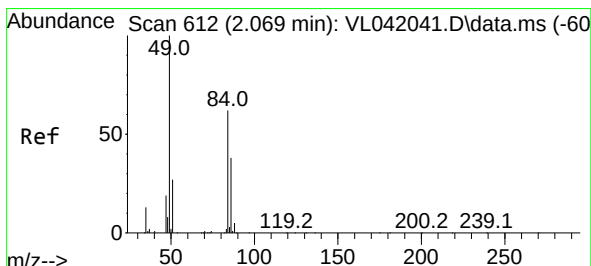
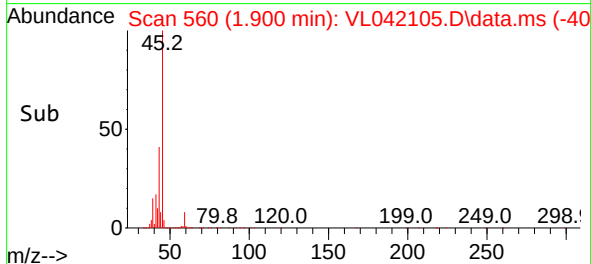
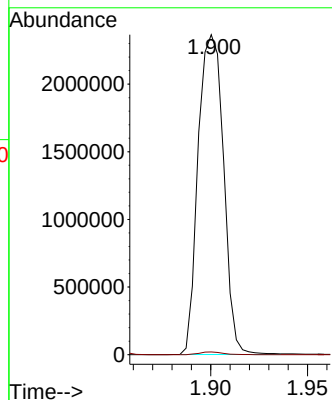
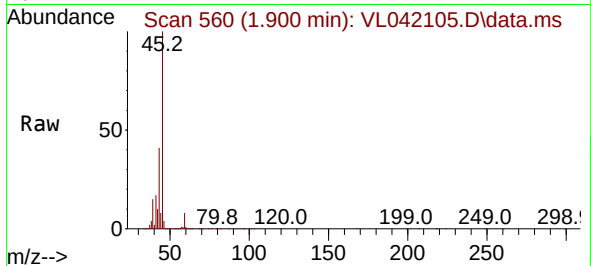
#19
Isopropyl Alcohol
Concen: 269.394 ppbv
RT: 1.900 min Scan# 50
Delta R.T. 0.007 min
Lab File: VL042105.D
Acq: 05 Mar 2025 15:37

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion: 45 Resp: 215465
Ion Ratio Lower Upper
45 100
58 0.8 35.3 52.9

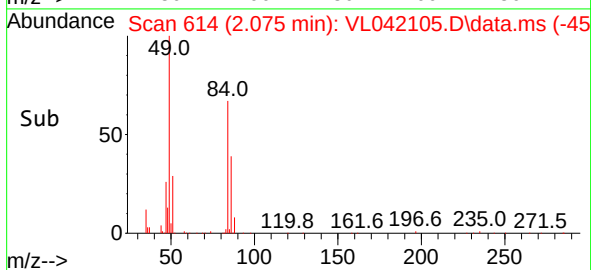
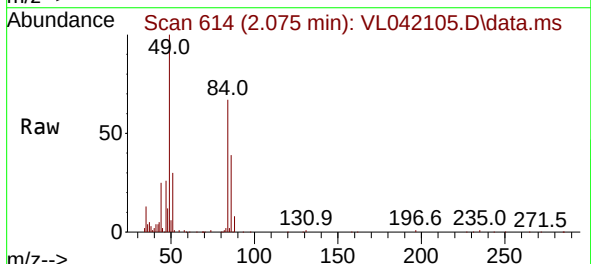
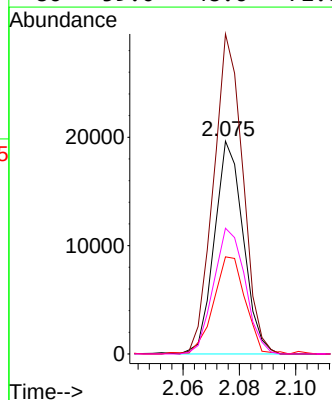
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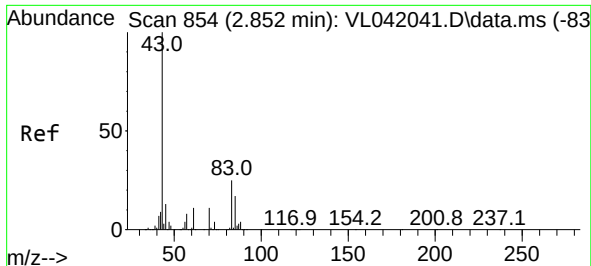
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#20
Methylene Chloride
Concen: 2.654 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.006 min
Lab File: VL042105.D
Acq: 05 Mar 2025 15:37

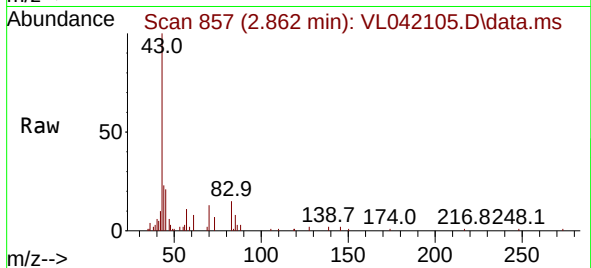
Tgt Ion: 84 Resp: 13976
Ion Ratio Lower Upper
84 100
49 150.3 130.0 195.0
51 45.1 37.4 56.0
86 59.0 48.6 72.8





#25
Ethyl Acetate
Concen: 0.209 ppbv
RT: 2.862 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042105.D
Acq: 05 Mar 2025 15:37

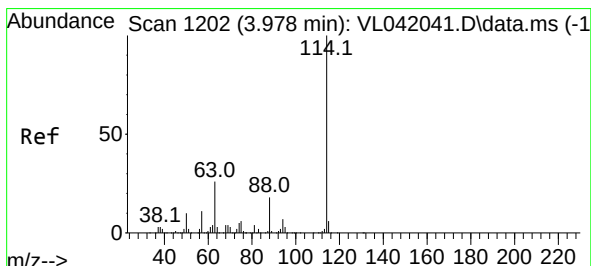
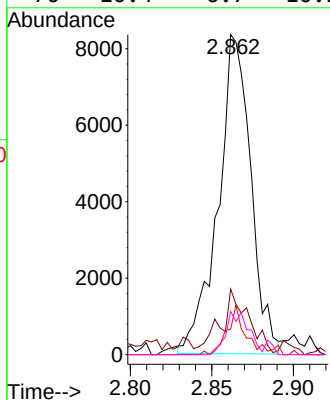
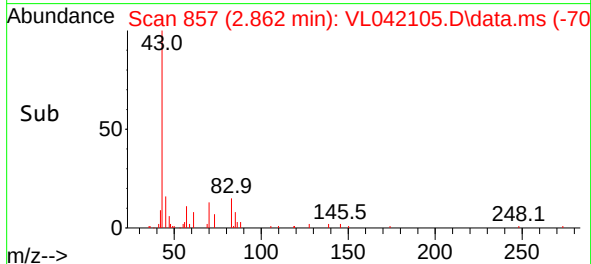
Instrument :
MSVOA_L
ClientSampleId :
IA2DL



Tgt Ion: 43 Resp: 1163
Ion Ratio Lower Upper
43 100
45 22.5 8.1 12.1
61 9.4 7.2 10.8
70 10.4 6.7 10.1#

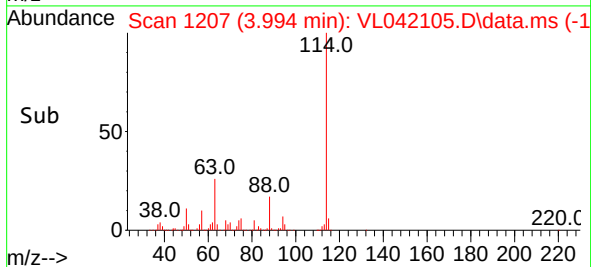
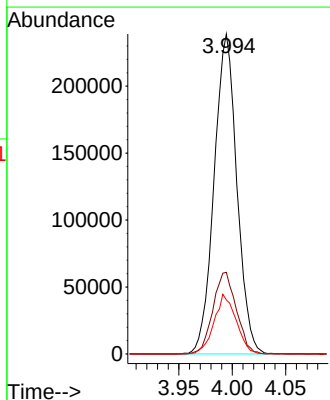
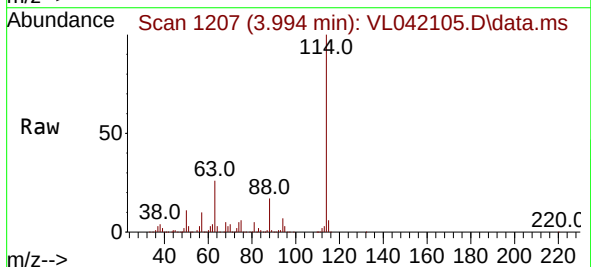
Manual Integrations
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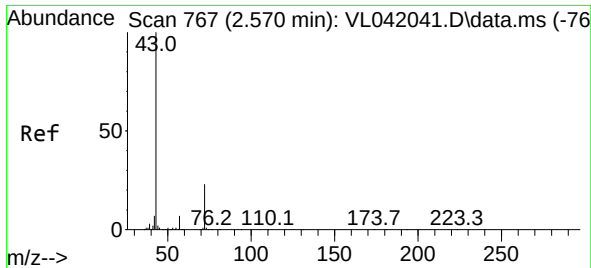
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.994 min Scan# 1207
Delta R.T. 0.016 min
Lab File: VL042105.D
Acq: 05 Mar 2025 15:37

Tgt Ion:114 Resp: 354066
Ion Ratio Lower Upper
114 100
63 26.3 20.1 30.1
88 18.1 14.3 21.5





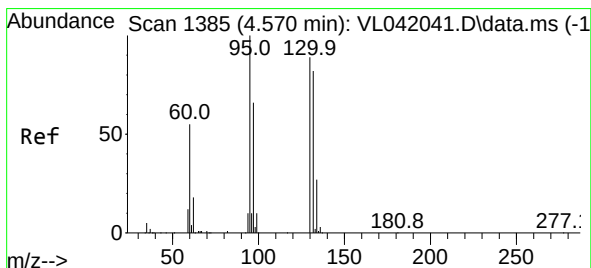
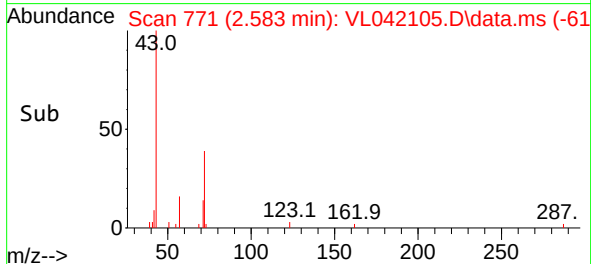
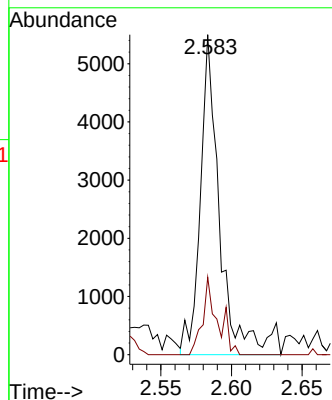
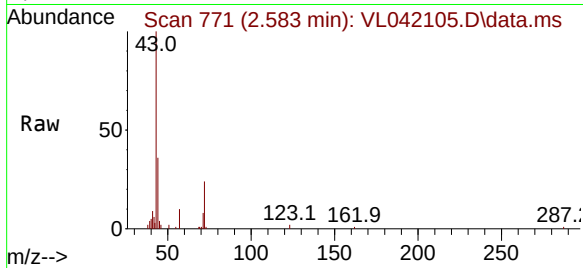
#34
2-Butanone
Concen: 0.192 ppbv m
RT: 2.583 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL042105.D
Acq: 05 Mar 2025 15:37

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion: 43 Resp: 529
Ion Ratio Lower Upper
43 100
72 18.7 18.5 27.7

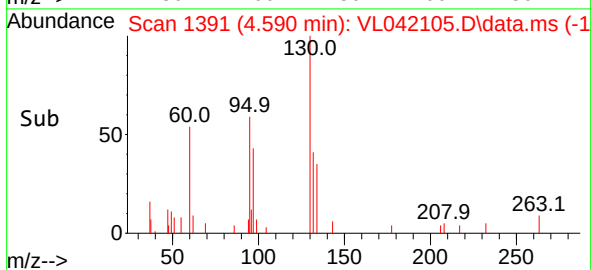
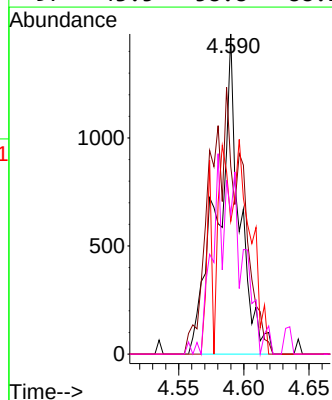
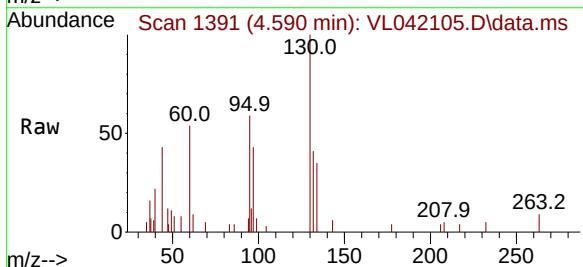
Manual Integrations
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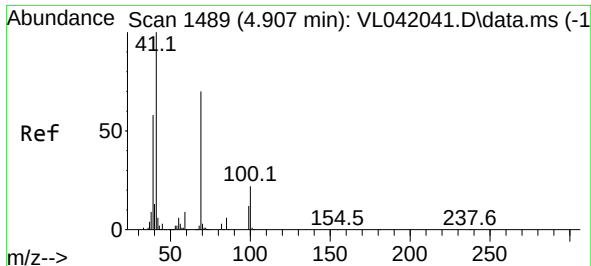
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#38
Trichloroethene
Concen: 0.115 ppbv m
RT: 4.590 min Scan# 1391
Delta R.T. 0.019 min
Lab File: VL042105.D
Acq: 05 Mar 2025 15:37

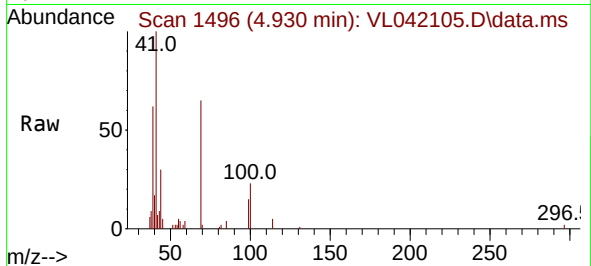
Tgt Ion:130 Resp: 1741
Ion Ratio Lower Upper
130 100
95 58.7 89.5 134.3#
132 41.5 73.8 110.6#
97 43.5 58.8 88.2#





#43
Methyl Methacrylate
Concen: 0.419 ppbv m
RT: 4.930 min Scan# 1489
Delta R.T. 0.023 min
Lab File: VL042105.D
Acq: 05 Mar 2025 15:37

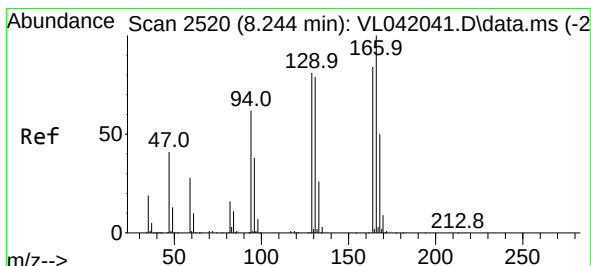
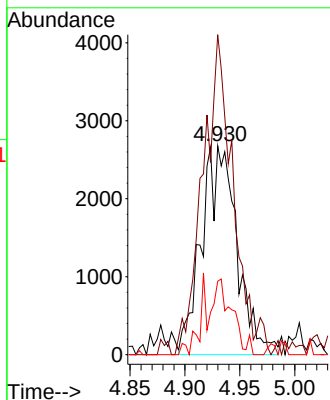
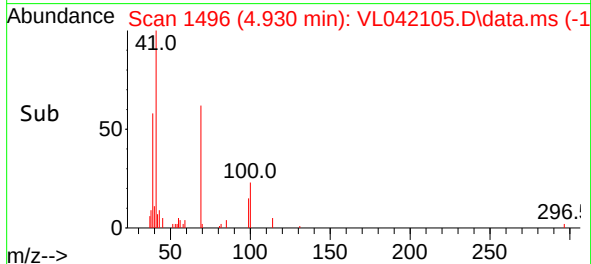
Instrument :
MSVOA_L
ClientSampleId :
IA2DL



Tgt Ion: 69 Resp: 6062
Ion Ratio Lower Upper
69 100
41 131.9 118.2 177.4
100 0.0 27.0 40.4

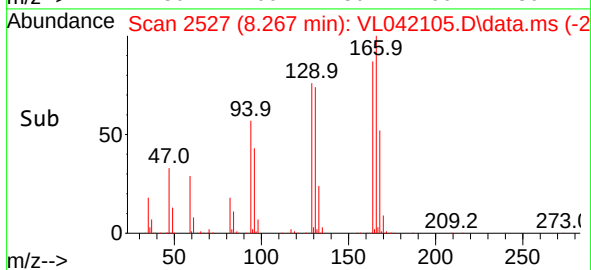
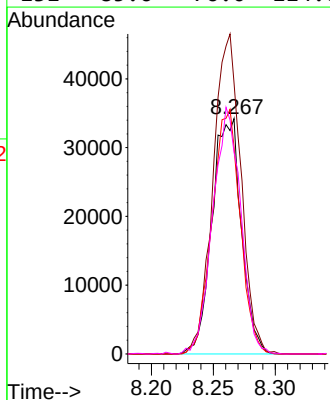
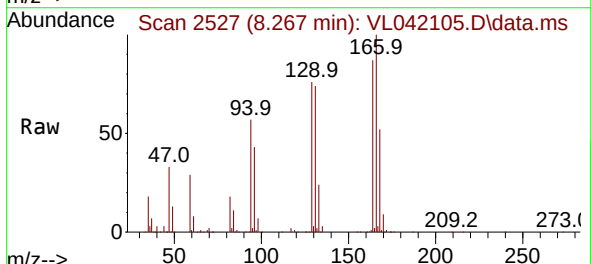
Manual Integrations
APPROVED

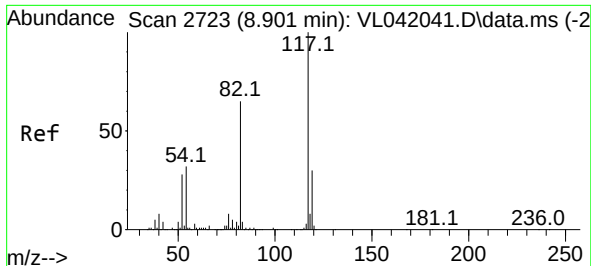
Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#52
Tetrachloroethene
Concen: 4.441 ppbv
RT: 8.267 min Scan# 2527
Delta R.T. 0.023 min
Lab File: VL042105.D
Acq: 05 Mar 2025 15:37

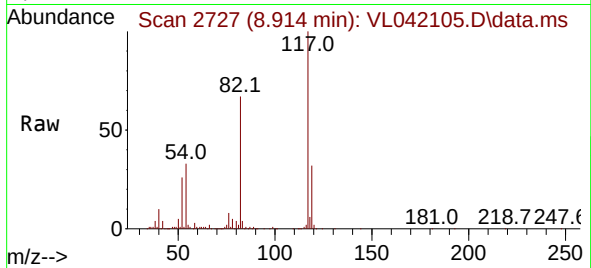
Tgt Ion:164 Resp: 56347
Ion Ratio Lower Upper
164 100
166 115.2 95.7 143.5
129 87.9 77.1 115.7
131 85.6 76.0 114.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.914 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042105.D
Acq: 05 Mar 2025 15:37

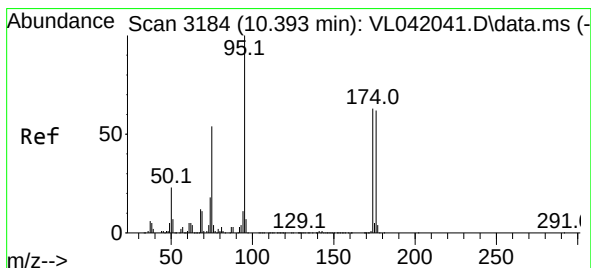
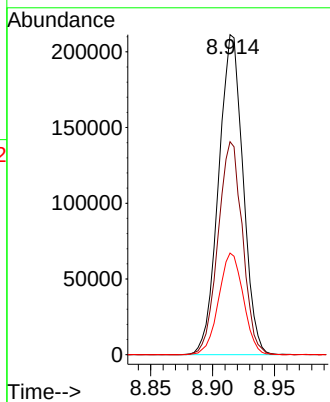
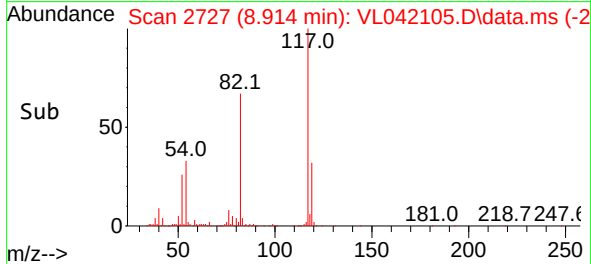
Instrument :
MSVOA_L
ClientSampleId :
IA2DL



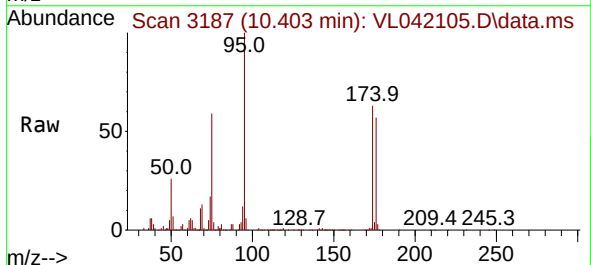
Tgt Ion: 117 Resp: 290825
Ion Ratio Lower Upper
117 100
82 66.5 55.0 82.6
119 32.1 25.9 38.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.460 ppbv
RT: 10.403 min Scan# 3187
Delta R.T. 0.010 min
Lab File: VL042105.D
Acq: 05 Mar 2025 15:37



Tgt Ion: 95 Resp: 211664
Ion Ratio Lower Upper
95 100
174 62.5 51.8 77.6
175 4.4 3.9 5.9

