

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042283.D
 Acq On : 09 Apr 2025 02:51
 Operator : SY/MD
 Sample : Q1728-10 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B14-4-04022025

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/09/2025
 Supervised By :Semsettin Yesilyurt 04/10/2025

Quant Time: Apr 09 05:22:36 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	155290	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	388359	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	341830	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	287523	10.243	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	5799	0.253	ppbv	98
3) Chlorodifluoromethane	1.476	51	3190m	0.136	ppbv	
4) Chloromethane	1.535	50	2332	0.249	ppbv	97
9) Propene	1.489	41	5720m	0.533	ppbv	
11) Trichlorofluoromethane	1.878	101	2544m	0.114	ppbv	
13) Ethanol	1.722	45	7713	7.600	ppbv #	27
15) Acetone	1.836	43	276321	12.723	ppbv	97
19) Isopropyl Alcohol	1.887	45	274802	22.426	ppbv #	33
20) Methylene Chloride	2.062	84	29400	3.635	ppbv	87
26) Hexane	2.829	57	17021	0.782	ppbv #	33
34) 2-Butanone	2.564	43	9233	0.328	ppbv	95
35) Carbon Tetrachloride	3.768	117	1164m	0.038	ppbv	
53) Toluene	6.937	91	12300	0.270	ppbv	97
58) Ethyl Benzene	9.358	91	12642	0.208	ppbv #	85
59) m/p-Xylene	9.532	91	39977	0.825	ppbv	99
60) o-Xylene	9.966	91	9522	0.196	ppbv	99
61) Styrene	9.866	104	2930m	0.122	ppbv	
74) 1,2,4-Trimethylbenzene	11.539	105	6419	0.105	ppbv #	61

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

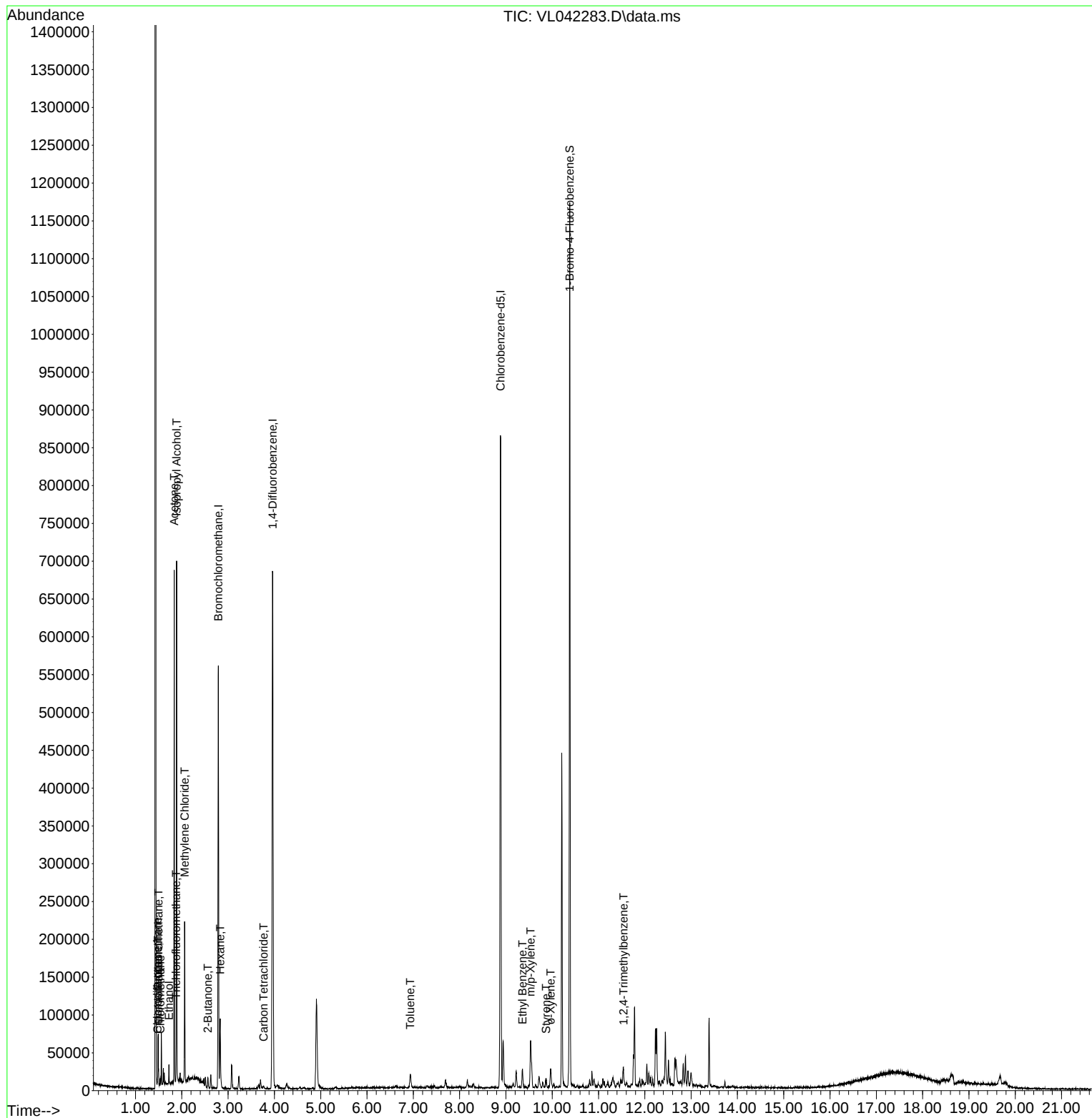
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042283.D
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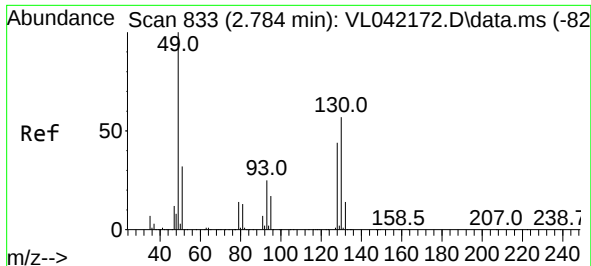
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-4-04022025

Quant Time: Apr 09 05:22:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

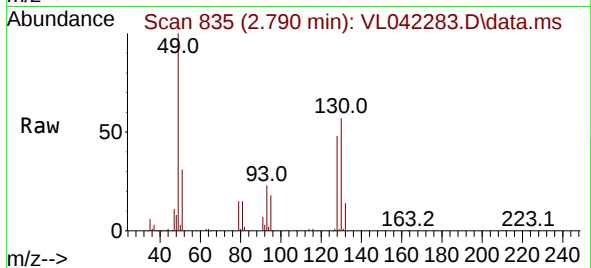
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

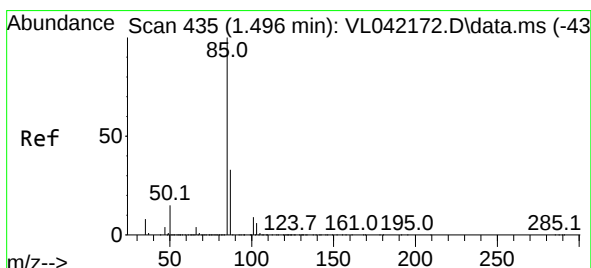
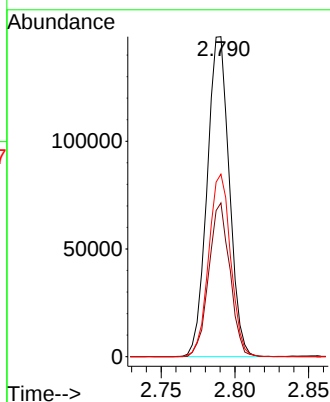
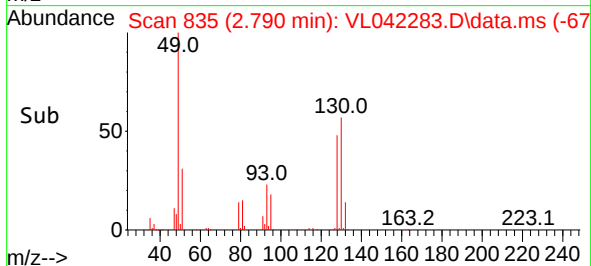
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-4-04022025



Tgt Ion: 49 Resp: 155290
Ion Ratio Lower Upper
49 100
128 45.8 22.9 68.5
130 56.6 28.8 86.4

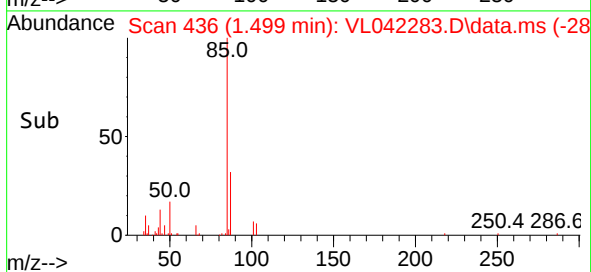
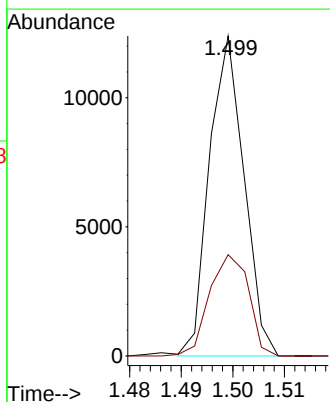
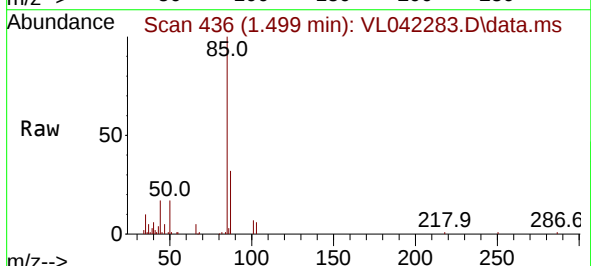
Manual Integrations
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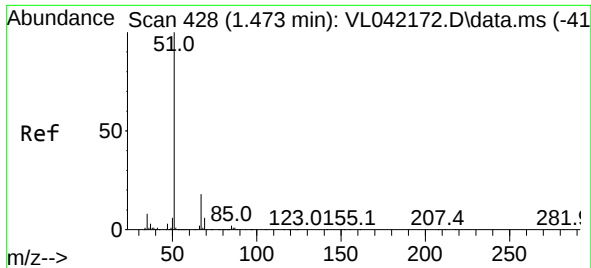
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#2
Dichlorodifluoromethane
Concen: 0.253 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

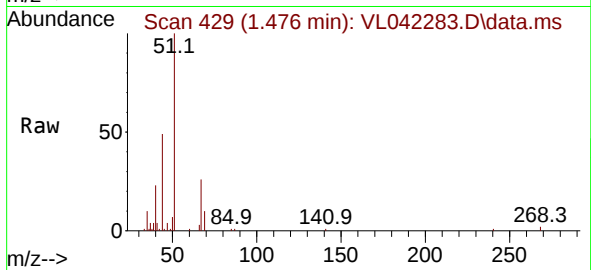
Tgt Ion: 85 Resp: 5799
Ion Ratio Lower Upper
85 100
87 31.7 26.1 39.1





#3
Chlorodifluoromethane
Concen: 0.136 ppbv m
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

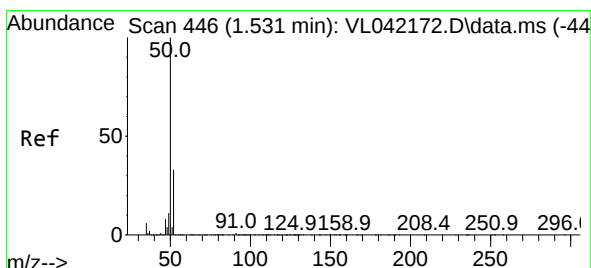
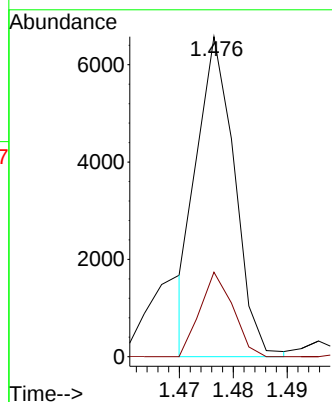
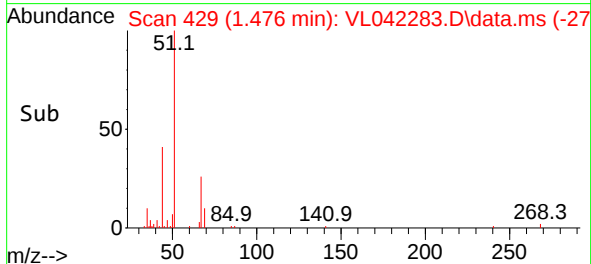
Instrument :
MSVOA_L
ClientSampleId :
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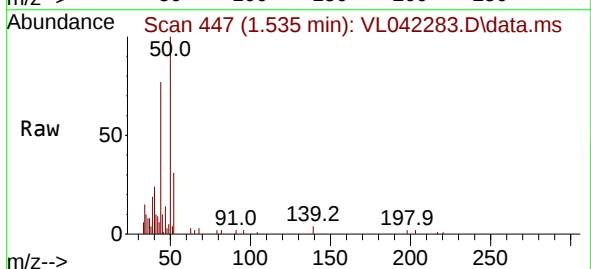
Tgt Ion: 51 Resp: 3190
Ion Ratio Lower Upper
51 100
67 23.6 15.0 22.6

Manual Integrations
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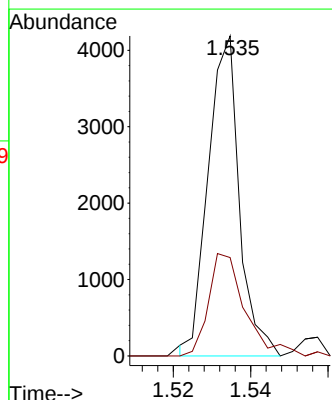
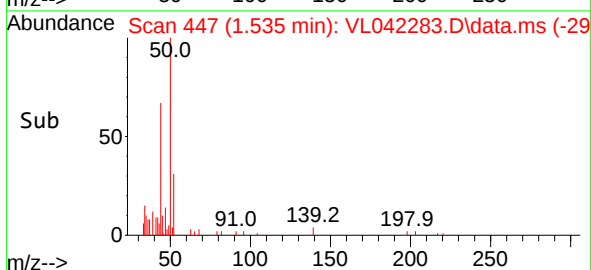
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025

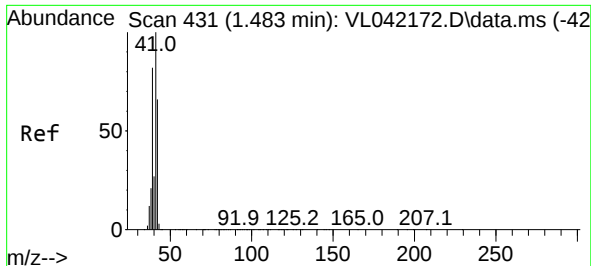


#4
Chloromethane
Concen: 0.249 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51



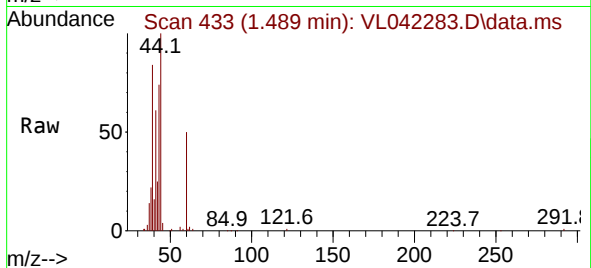
Tgt Ion: 50 Resp: 2332
Ion Ratio Lower Upper
50 100
52 30.8 26.1 39.1





#9
Propene
Concen: 0.533 ppbv m
RT: 1.489 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

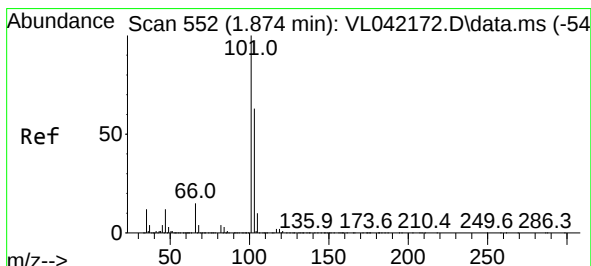
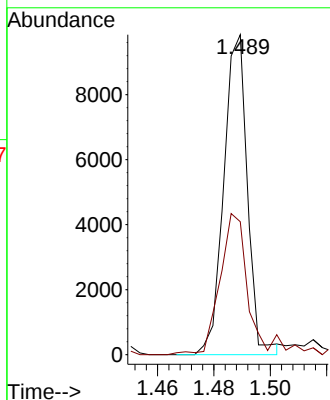
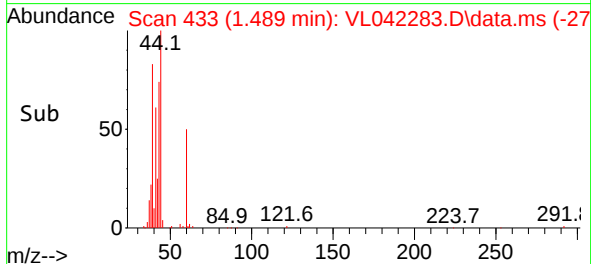
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-4-04022025



Tgt Ion: 41 Resp: 5720
Ion Ratio Lower Upper
41 100
42 292.1 55.4 83.2

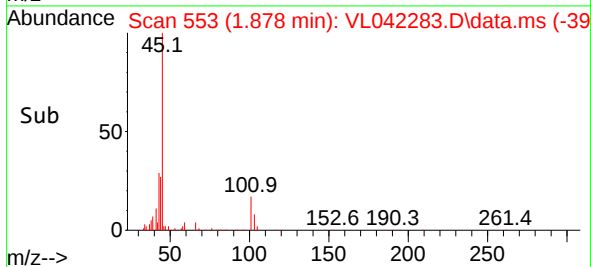
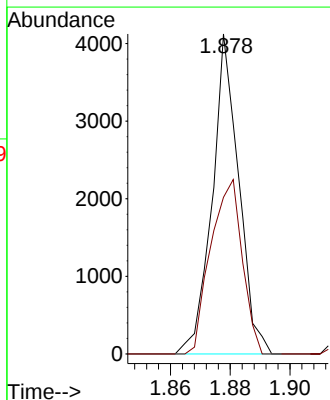
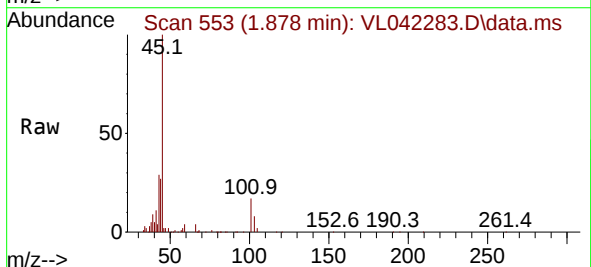
Manual Integrations
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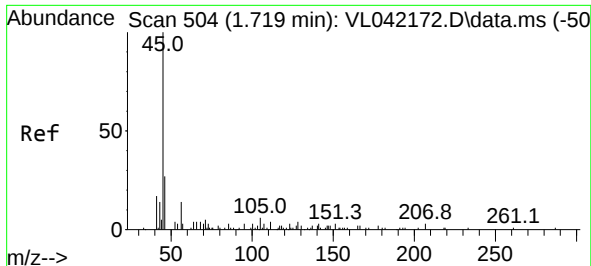
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#11
Trichlorofluoromethane
Concen: 0.114 ppbv m
RT: 1.878 min Scan# 553
Delta R.T. 0.003 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

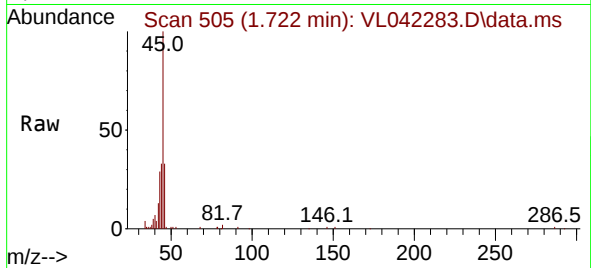
Tgt Ion:101 Resp: 2544
Ion Ratio Lower Upper
101 100
103 49.0 50.2 75.2





#13
Ethanol
Concen: 7.600 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

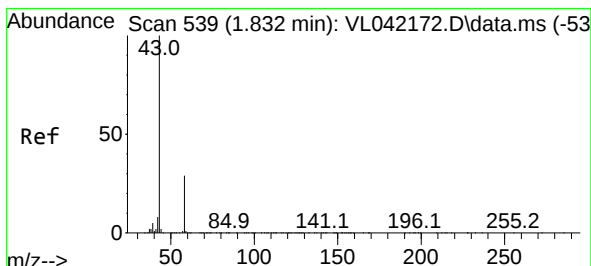
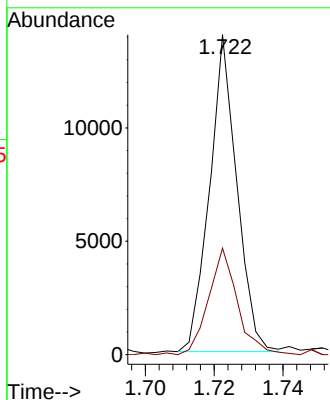
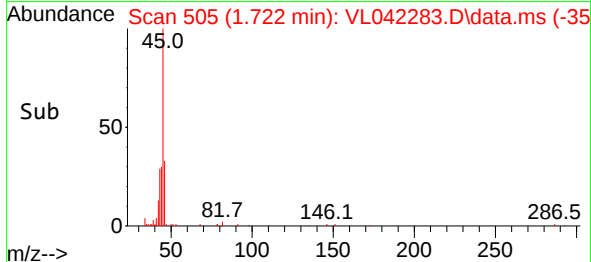
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-4-04022025



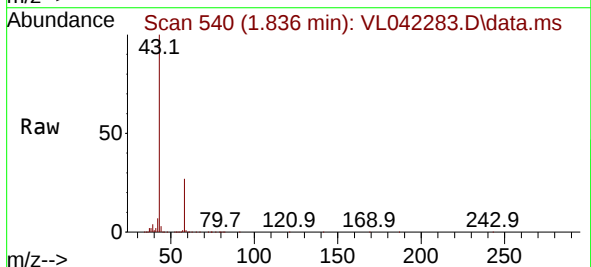
Tgt Ion: 45 Resp: 7711
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8

Manual Integrations
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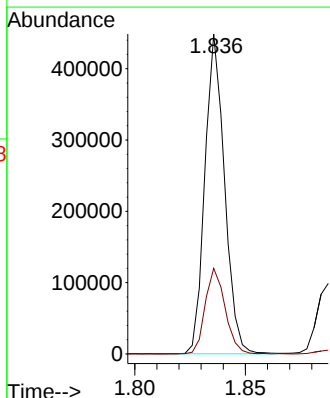
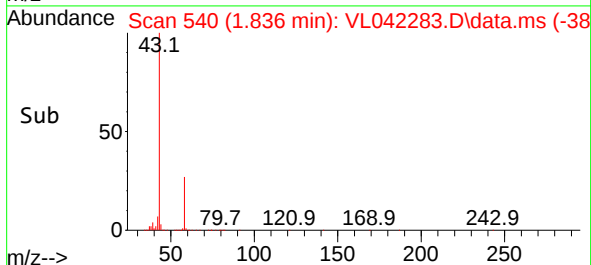
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025

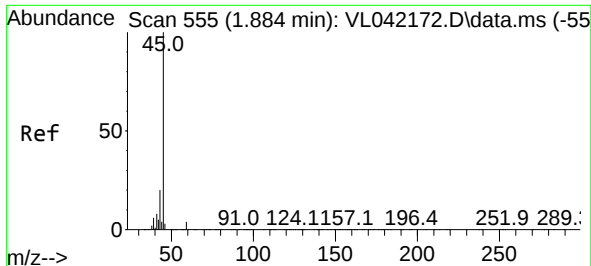


#15
Acetone
Concen: 12.723 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51



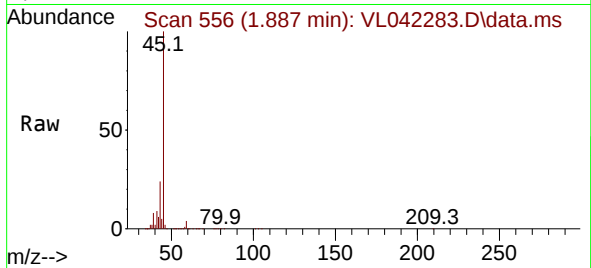
Tgt Ion: 43 Resp: 276321
Ion Ratio Lower Upper
43 100
58 27.2 23.2 34.8





#19
Isopropyl Alcohol
Concen: 22.426 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

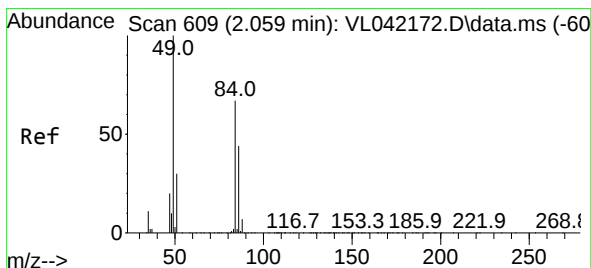
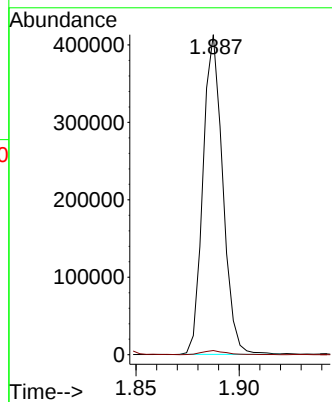
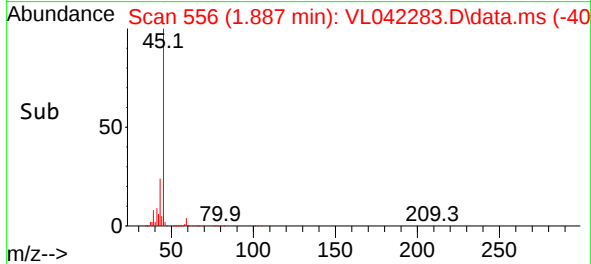
Instrument :
MSVOA_L
ClientSampleId :
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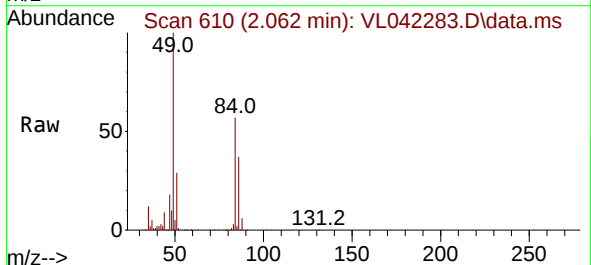
Tgt Ion: 45 Resp: 27480
Ion Ratio Lower Upper
45 100
58 1.6 36.9 55.3

Manual Integrations
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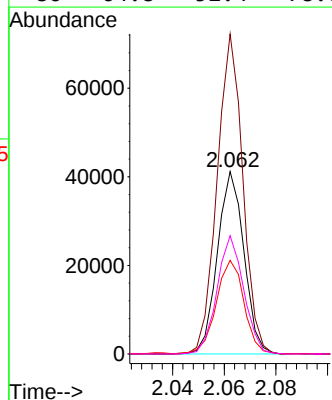
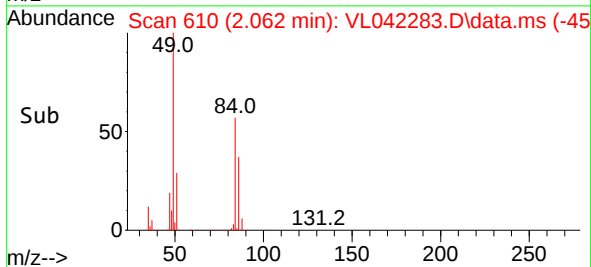
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025

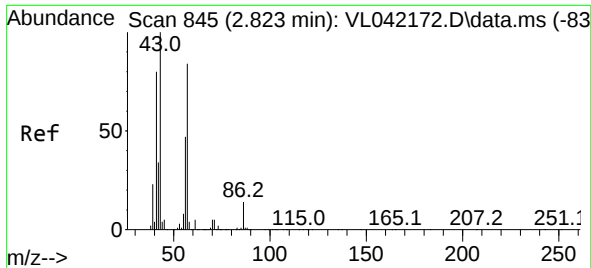


#20
Methylene Chloride
Concen: 3.635 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51



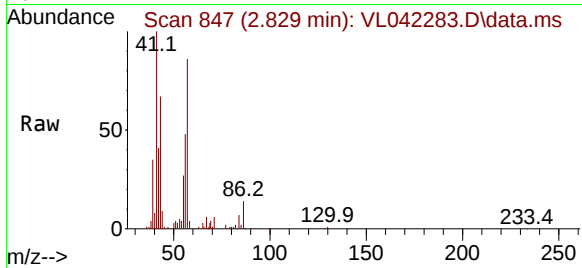
Tgt Ion: 84 Resp: 29400
Ion Ratio Lower Upper
84 100
49 175.5 120.2 180.4
51 51.2 37.4 56.0
86 64.8 52.4 78.6





#26
Hexane
Concen: 0.782 ppbv
RT: 2.829 min Scan# 845
Delta R.T. 0.007 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

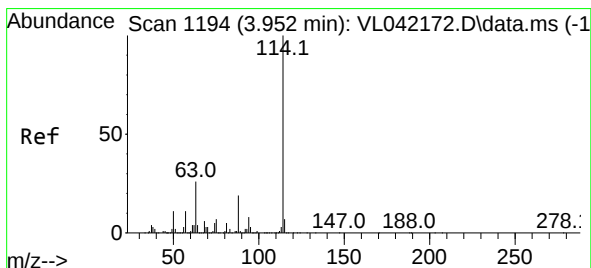
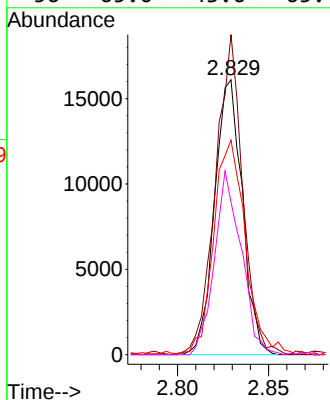
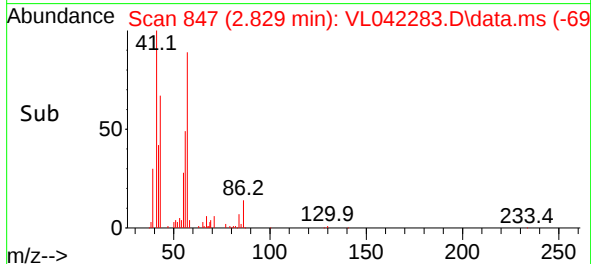
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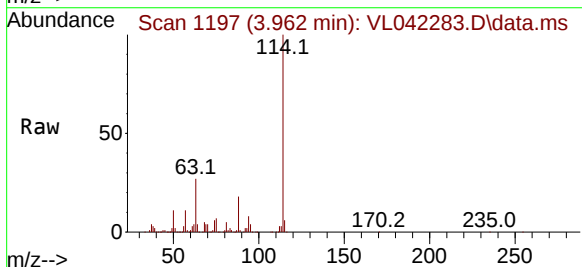
Tgt Ion: 57 Resp: 1702
Ion Ratio Lower Upper
57 100
41 115.7 76.6 114.8
43 90.5 207.8 311.8
56 65.0 43.6 65.4

Manual Integrations
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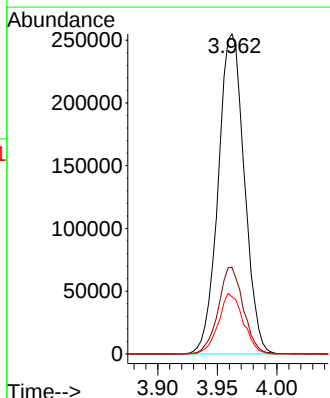
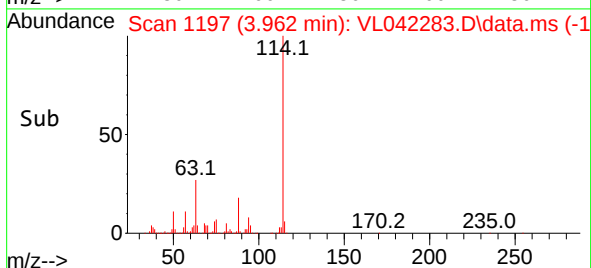
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025

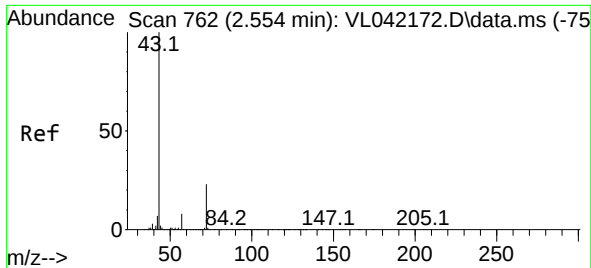


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.010 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51



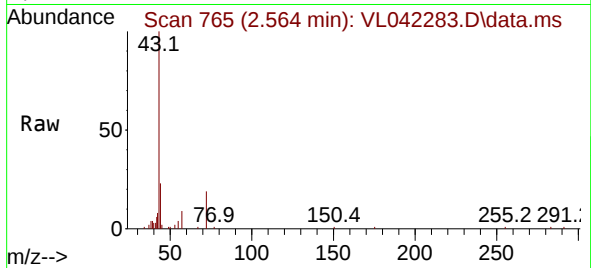
Tgt Ion:114 Resp: 388359
Ion Ratio Lower Upper
114 100
63 26.0 20.7 31.1
88 17.9 15.0 22.4





#34
2-Butanone
Concen: 0.328 ppbv
RT: 2.564 min Scan# 70
Delta R.T. 0.010 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

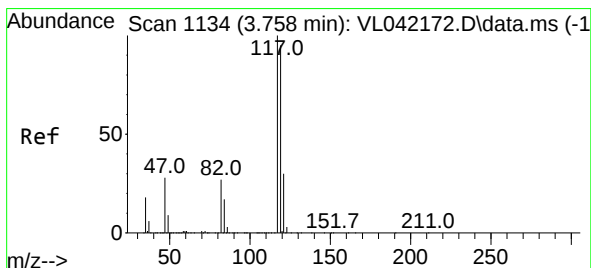
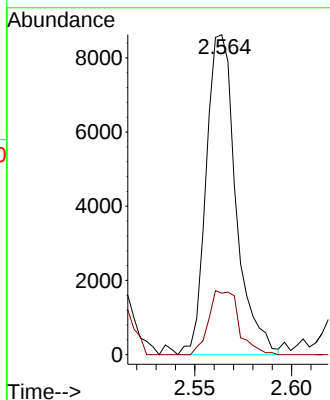
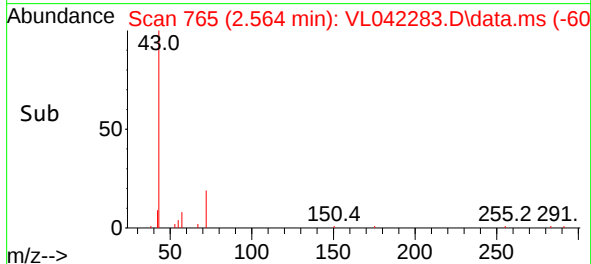
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ClientSampleId :
SSSG-B14-4-04022025



Tgt Ion: 43 Resp: 923
Ion Ratio Lower Upper
43 100
72 20.1 18.2 27.2

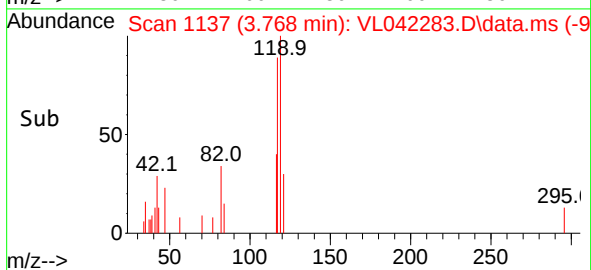
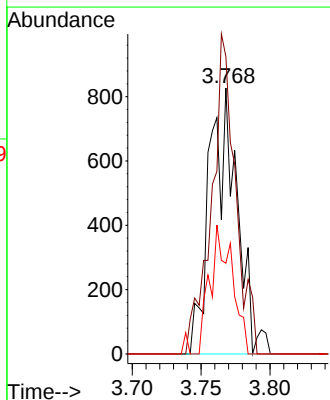
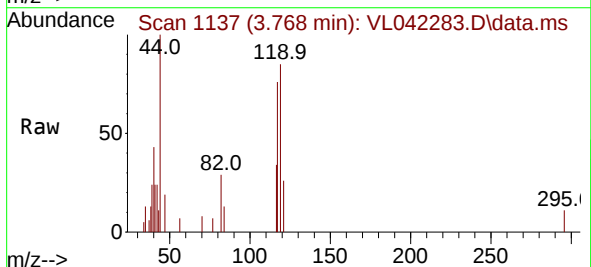
Manual Integrations
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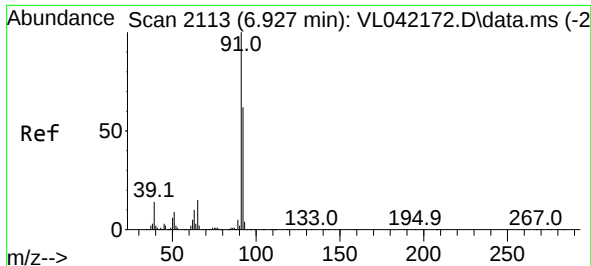
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#35
Carbon Tetrachloride
Concen: 0.038 ppbv m
RT: 3.768 min Scan# 1137
Delta R.T. 0.010 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

Tgt Ion:117 Resp: 1164
Ion Ratio Lower Upper
117 100
119 111.9 76.2 114.2
121 34.1 24.2 36.4





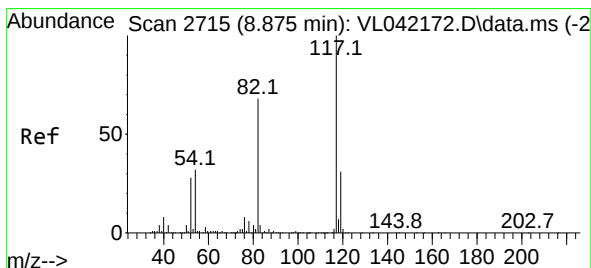
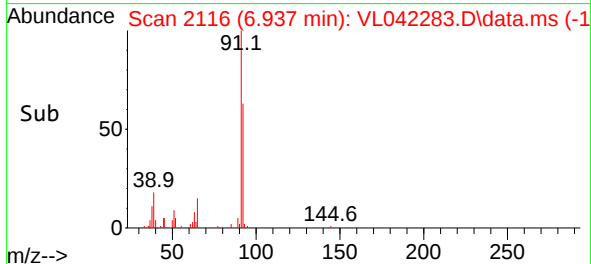
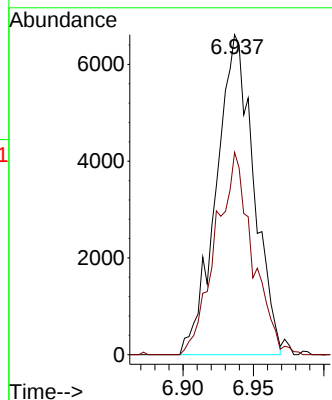
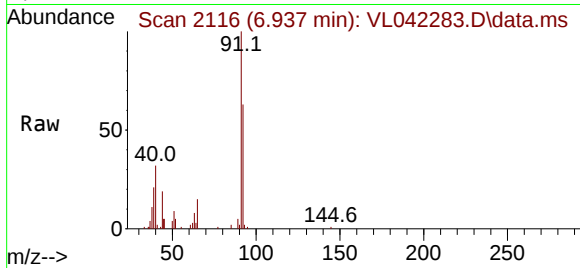
#53
Toluene
Concen: 0.270 ppbv
RT: 6.937 min Scan# 2113
Delta R.T. 0.010 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-4-04022025

Tgt Ion: 91 Resp: 12300
Ion Ratio Lower Upper
91 100
92 62.5 48.4 72.6

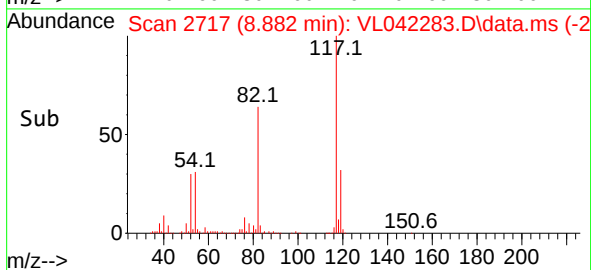
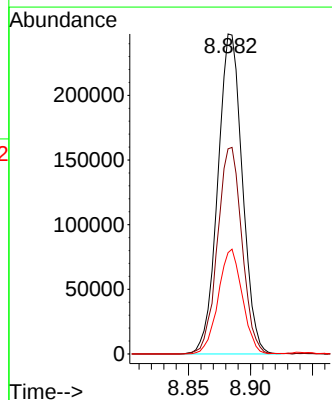
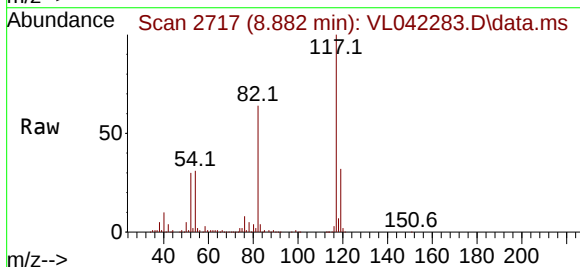
Manual Integrations
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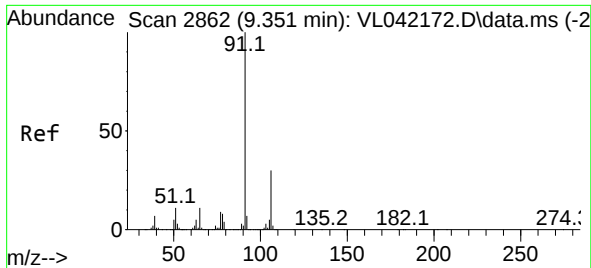
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.007 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

Tgt Ion:117 Resp: 341830
Ion Ratio Lower Upper
117 100
82 64.4 55.8 83.6
119 32.1 25.5 38.3





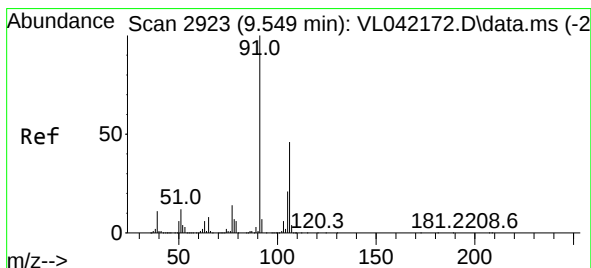
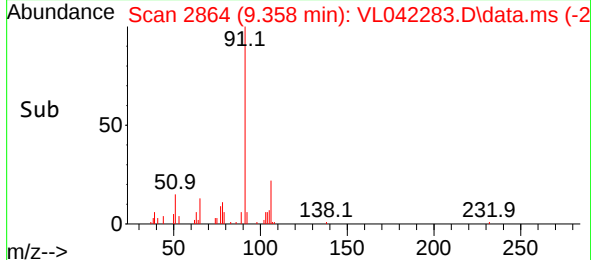
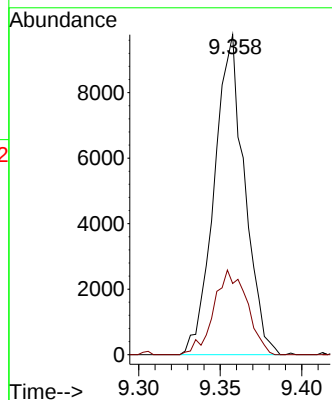
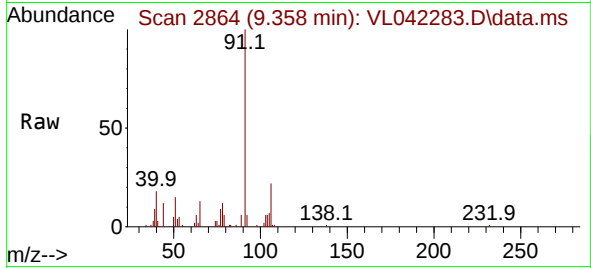
#58
Ethyl Benzene
Concen: 0.208 ppbv
RT: 9.358 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-4-04022025

Tgt Ion: 91 Resp: 1264
Ion Ratio Lower Upper
91 100
106 22.2 24.2 36.2

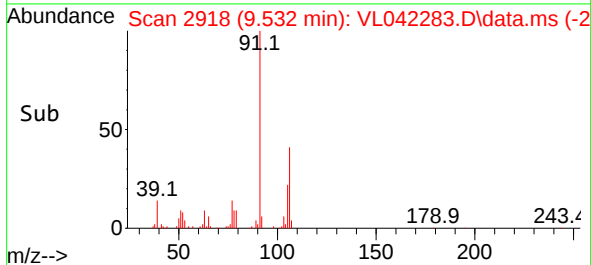
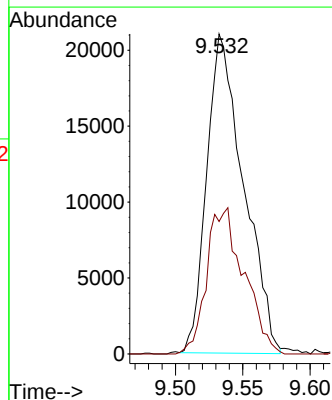
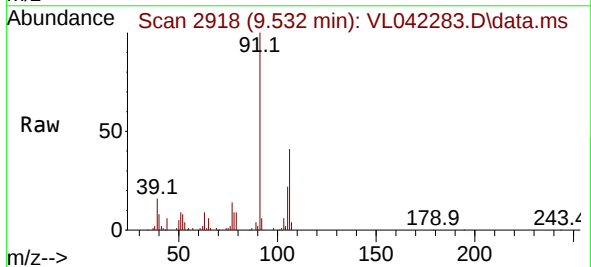
Manual Integrations
APPROVED

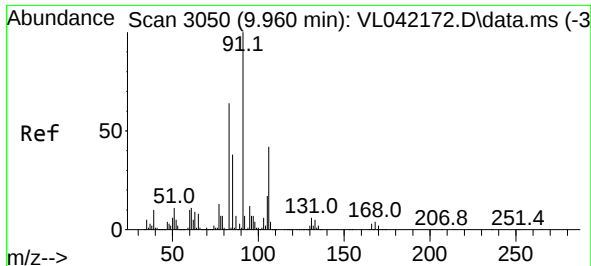
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#59
m/p-Xylene
Concen: 0.825 ppbv
RT: 9.532 min Scan# 2918
Delta R.T. -0.016 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

Tgt Ion: 91 Resp: 39977
Ion Ratio Lower Upper
91 100
106 46.4 36.4 54.6





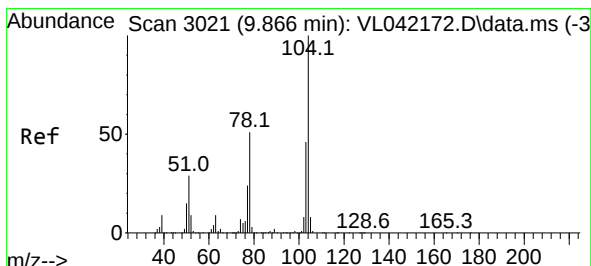
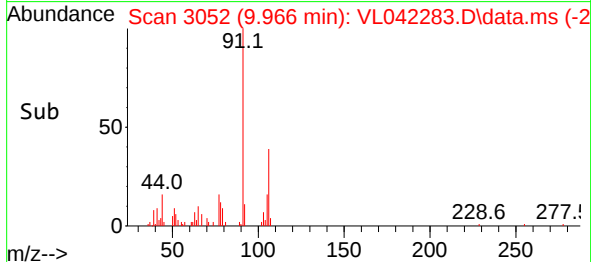
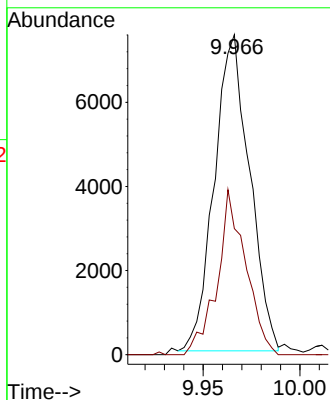
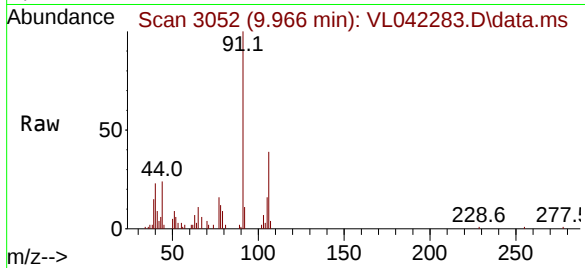
#60
o-Xylene
Concen: 0.196 ppbv
RT: 9.966 min Scan# 3050
Delta R.T. 0.007 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

Instrument : MSVOA_L
ClientSampleId : SSSG-B14-4-04022025

Tgt Ion: 91 Resp: 952
Ion Ratio Lower Upper
91 100
106 42.3 20.8 62.5

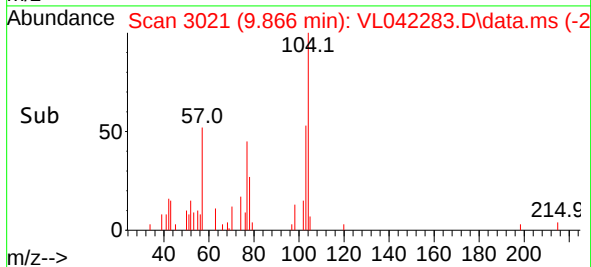
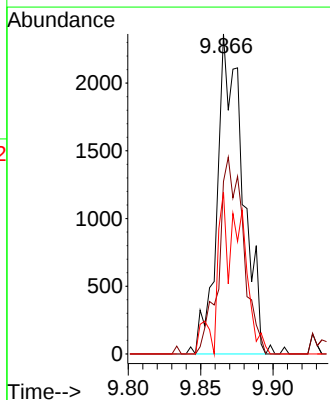
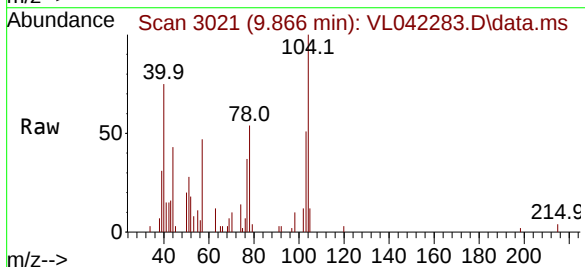
Manual Integrations
APPROVED

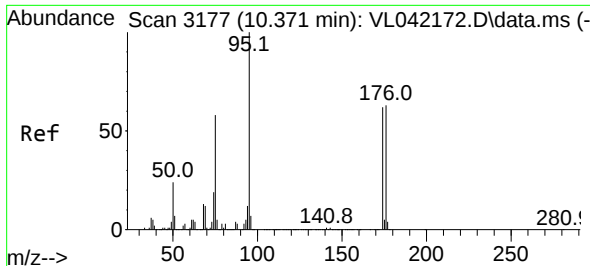
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#61
Styrene
Concen: 0.122 ppbv m
RT: 9.866 min Scan# 3021
Delta R.T. 0.000 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

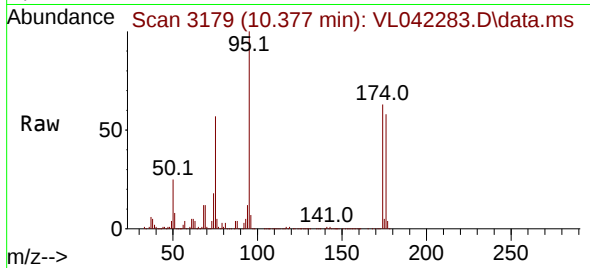
Tgt Ion:104 Resp: 2930
Ion Ratio Lower Upper
104 100
78 0.0 41.8 62.6#
103 0.0 37.0 55.4#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.243 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.007 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

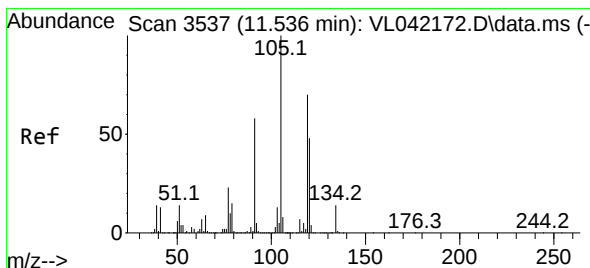
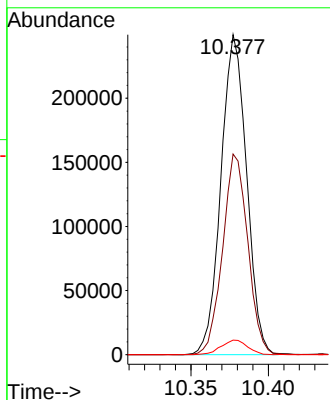
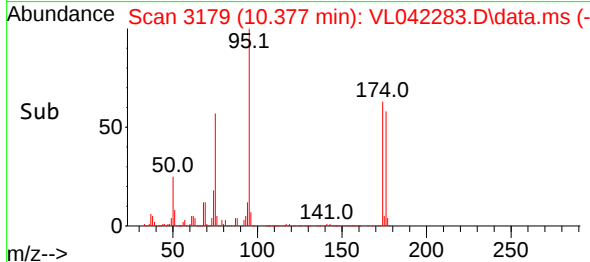
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-4-04022025



Tgt Ion: 95 Resp: 28752
Ion Ratio Lower Upper
95 100
174 61.8 50.6 76.0
175 4.7 3.8 5.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.105 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042283.D
Acq: 09 Apr 2025 02:51

Tgt Ion:105 Resp: 6419
Ion Ratio Lower Upper
105 100
120 37.3 38.6 58.0#
91 7.2 46.2 69.2#
77 17.6 18.6 27.8#

