

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042121.D
 Acq On : 10 Mar 2025 12:59
 Operator : SY/MD
 Sample : Q1532-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/11/2025
 Supervised By :Mahesh Dadoda 03/11/2025

Quant Time: Mar 11 01:23:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	2.800	49	161577	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	375440	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	321830	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	253211	10.227	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.300%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.505	85	8597	0.512	ppbv	98
3) Chlorodifluoromethane	1.482	51	5866m	0.250	ppbv	
4) Chloromethane	1.538	50	3305	0.532	ppbv	94
9) Propene	1.492	41	7521m	0.786	ppbv	
11) Trichlorofluoromethane	1.887	101	4307	0.256	ppbv	100
13) Ethanol	1.728	45	28335	46.657	ppbv	99
15) Acetone	1.845	43	102118	7.157	ppbv	100
19) Isopropyl Alcohol	1.894	45	61180	7.464	ppbv	98
20) Methylene Chloride	2.072	84	8920	1.653	ppbv	89
25) Ethyl Acetate	2.855	43	14868	0.260	ppbv #	96
34) 2-Butanone	2.573	43	19052	0.651	ppbv	97
35) Carbon Tetrachloride	3.777	117	1796m	0.069	ppbv	
36) Benzene	3.680	78	4940m	0.126	ppbv	
52) Tetrachloroethene	8.244	164	1656m	0.123	ppbv	
53) Toluene	6.965	91	17418m	0.397	ppbv	
59) m/p-Xylene	9.555	91	16147m	0.342	ppbv	

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

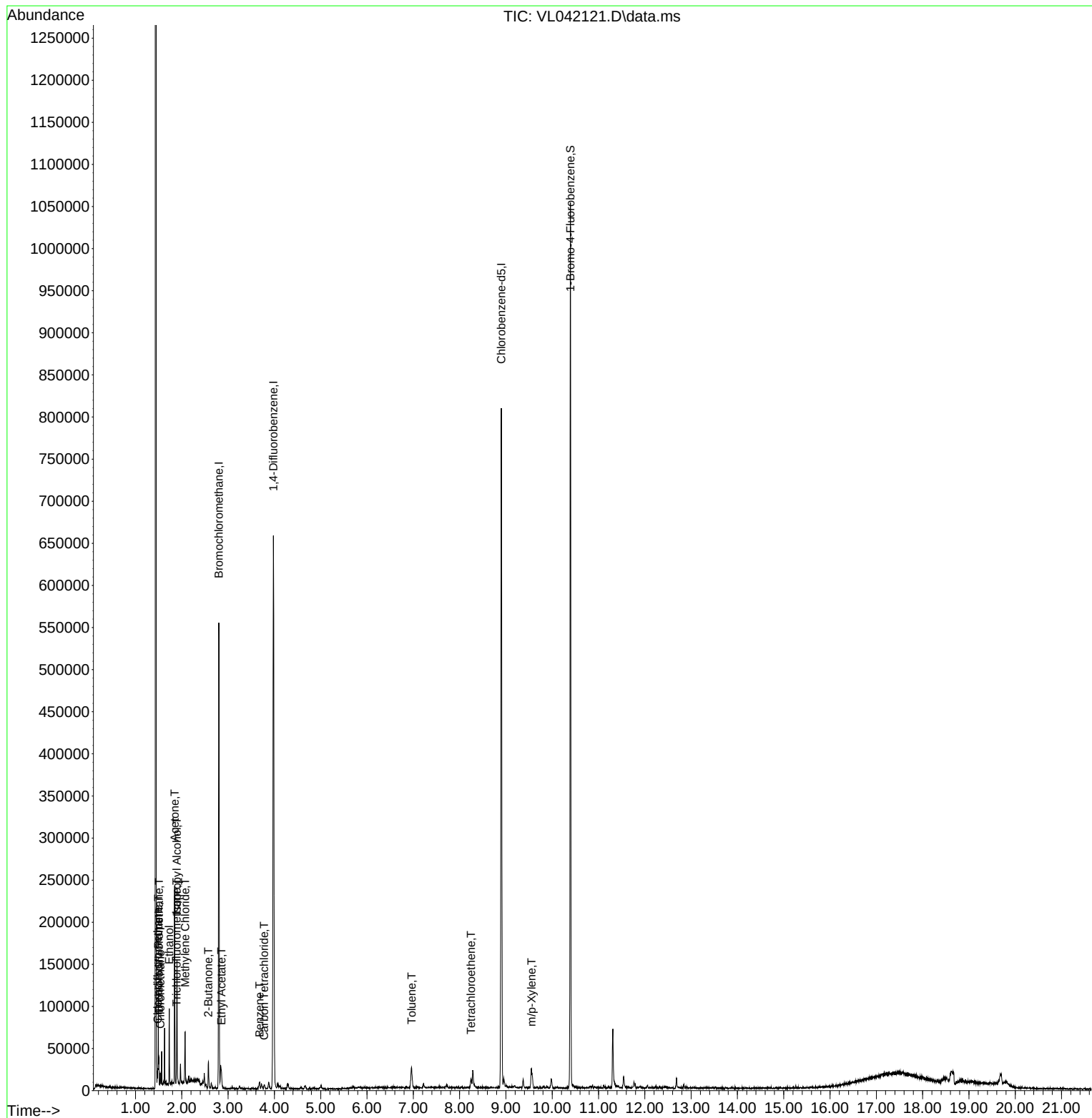
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
Data File : VL042121.D
Acq On : 10 Mar 2025 12:59
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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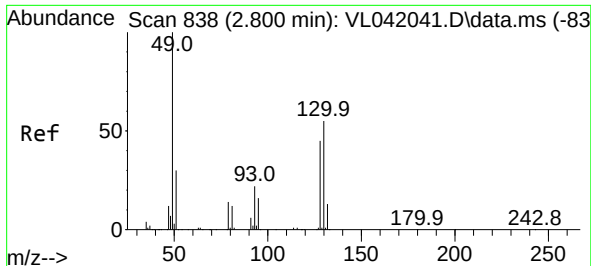
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Mar 11 01:23:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

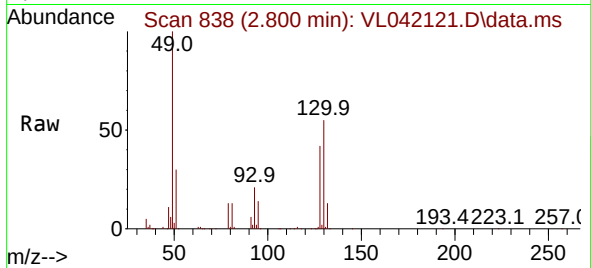
Reviewed By : Semsettin Yesilyurt 03/11/2025
Supervised By : Mahesh Dadoda 03/11/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59

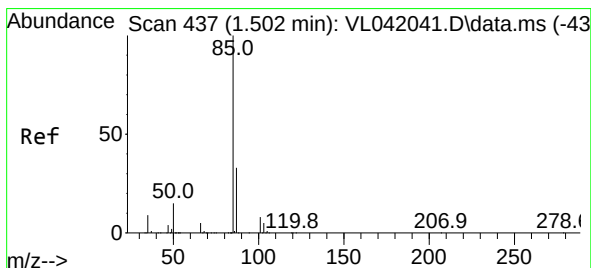
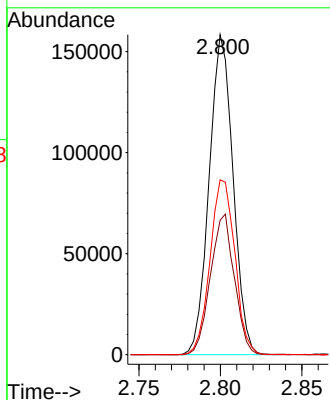
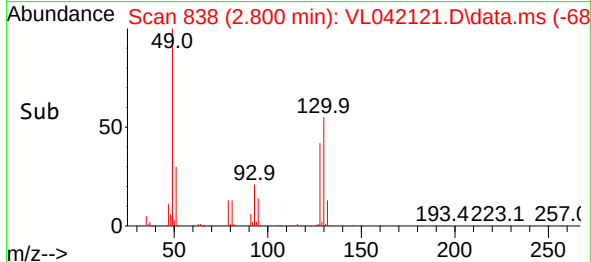
Instrument :
MSVOA_L
ClientSampleId :
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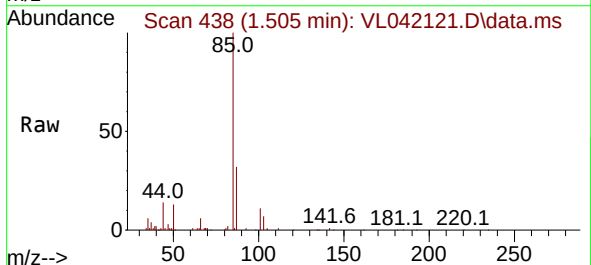
Tgt Ion: 49 Resp: 16157
Ion Ratio Lower Upper
49 100
128 43.9 21.6 64.8
130 56.8 27.8 83.4

Manual Integrations
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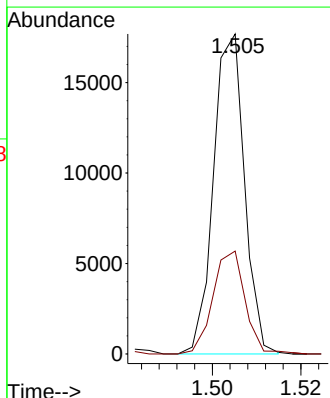
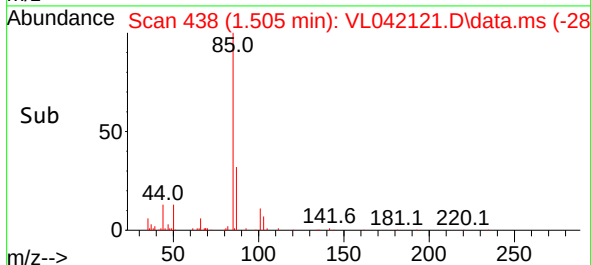
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

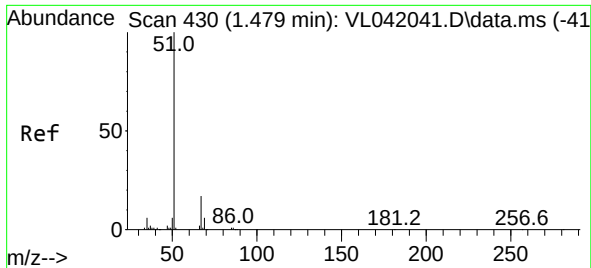


#2
Dichlorodifluoromethane
Concen: 0.512 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59



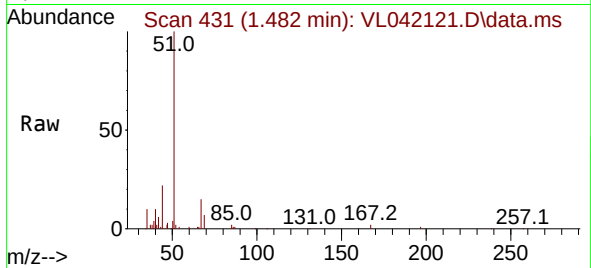
Tgt Ion: 85 Resp: 8597
Ion Ratio Lower Upper
85 100
87 32.1 26.4 39.6





#3
Chlorodifluoromethane
Concen: 0.250 ppbv m
RT: 1.482 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59

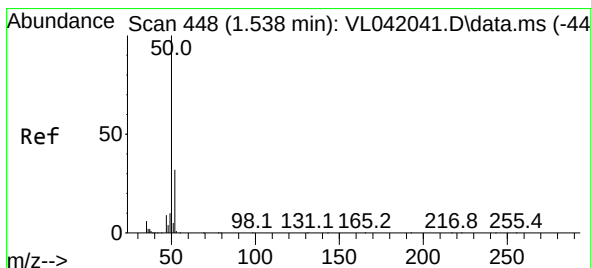
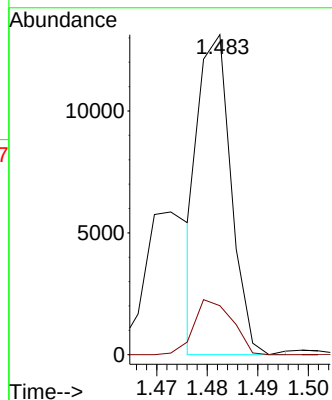
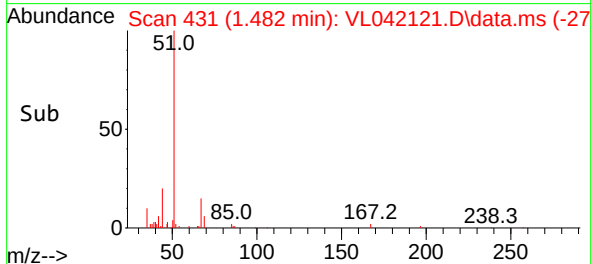
Instrument :
MSVOA_L
ClientSampleId :
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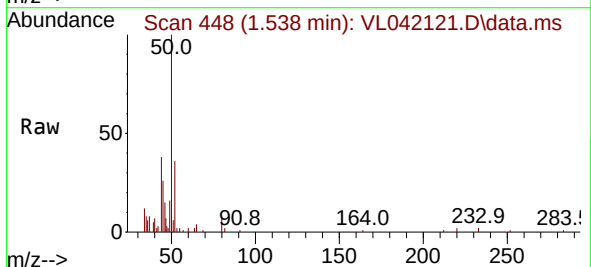
Tgt Ion: 51 Resp: 5860
Ion Ratio Lower Upper
51 100
67 1.4 13.7 20.5

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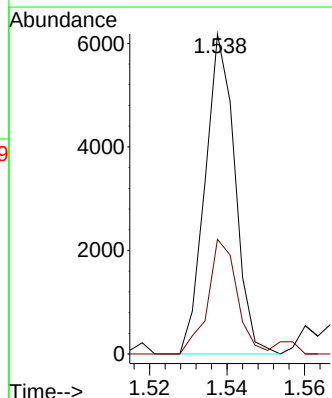
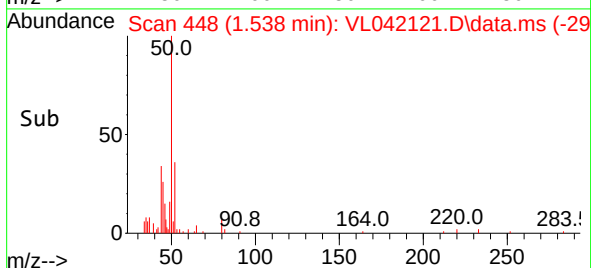
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

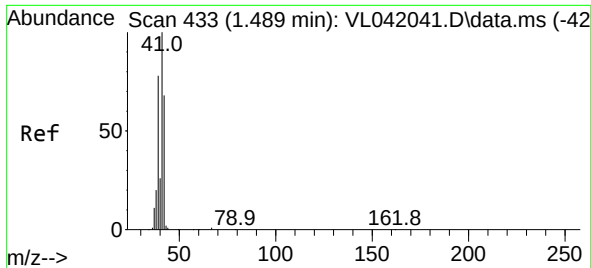


#4
Chloromethane
Concen: 0.532 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59



Tgt Ion: 50 Resp: 3305
Ion Ratio Lower Upper
50 100
52 34.8 25.4 38.0





#9

Propene

Concen: 0.786 ppbv m

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042121.D

Acq: 10 Mar 2025 12:59

Instrument :

MSVOA_L

ClientSampleId :

1

Tgt Ion: 41 Resp: 752

Ion Ratio Lower Upper

41 100

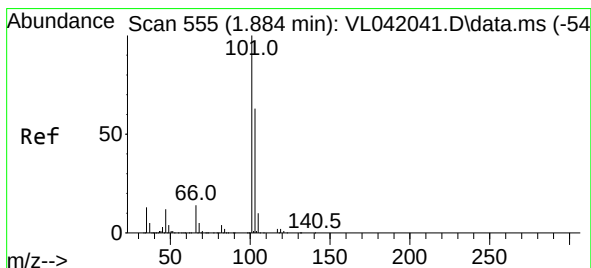
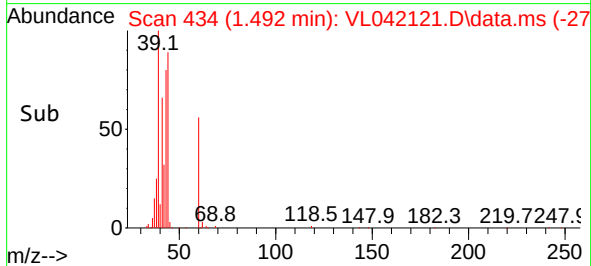
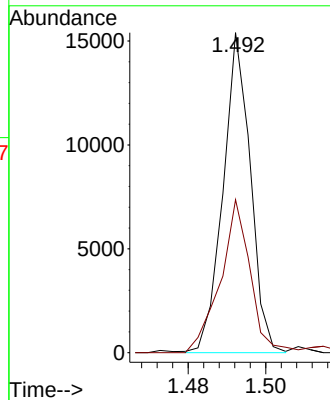
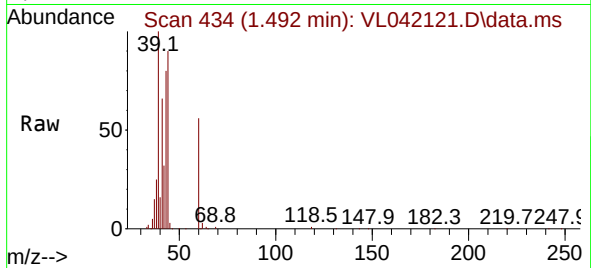
42 54.4 55.8 83.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/11/2025

Supervised By :Mahesh Dadoda 03/11/2025



#11

Trichlorofluoromethane

Concen: 0.256 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL042121.D

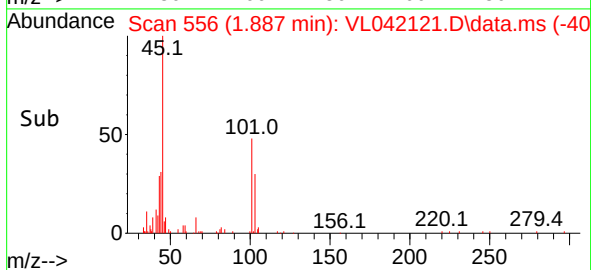
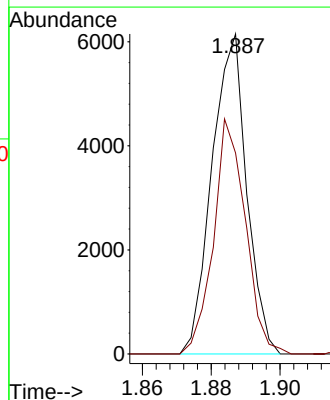
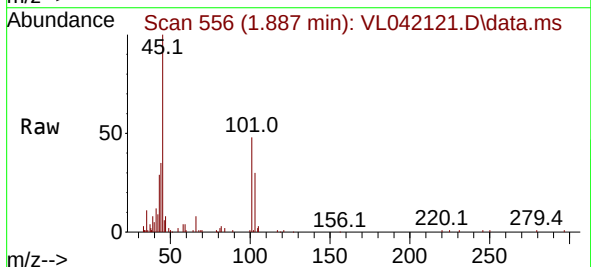
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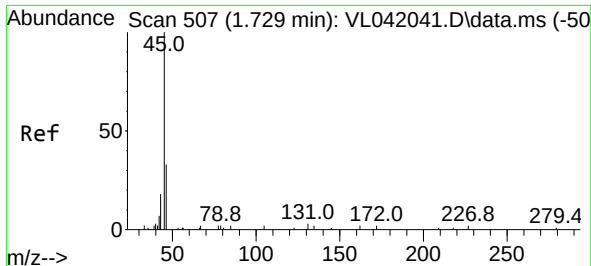
Tgt Ion:101 Resp: 4307

Ion Ratio Lower Upper

101 100

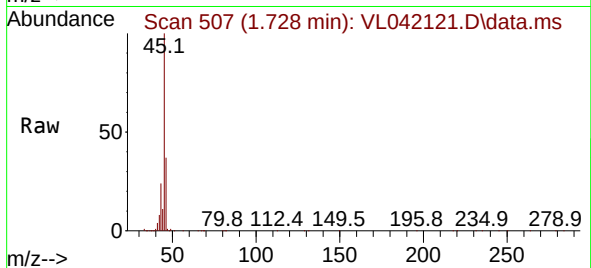
103 62.8 50.6 75.8





#13
Ethanol
Concen: 46.657 ppbv
RT: 1.728 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59

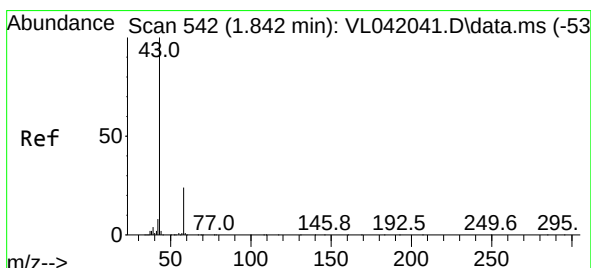
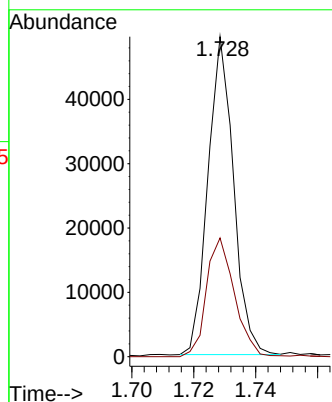
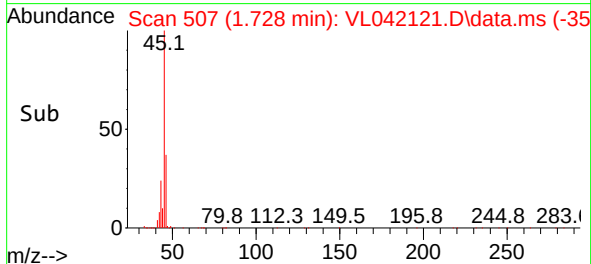
Instrument :
MSVOA_L
ClientSampleId :
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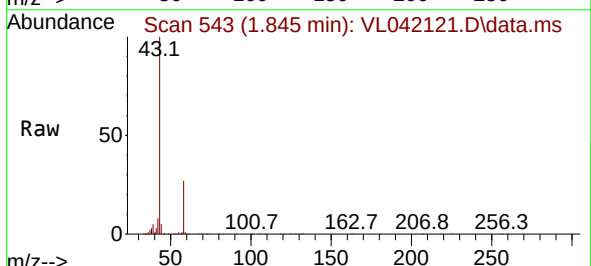
Tgt Ion: 45 Resp: 28335
Ion Ratio Lower Upper
45 100
46 41.8 17.1 68.3

Manual Integrations
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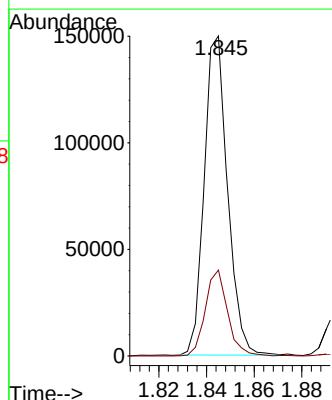
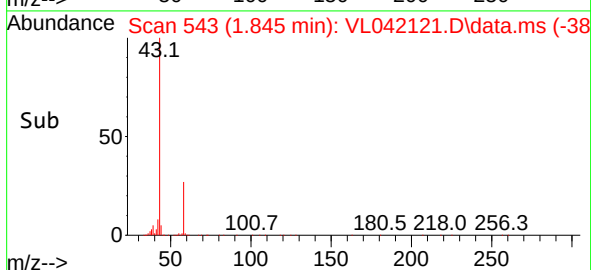
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

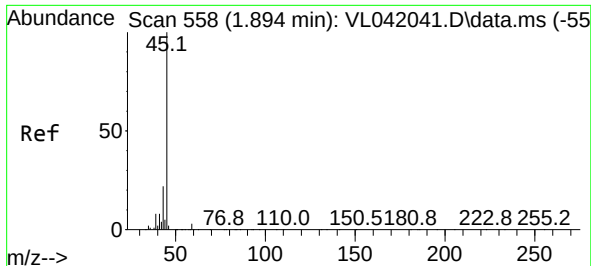


#15
Acetone
Concen: 7.157 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59



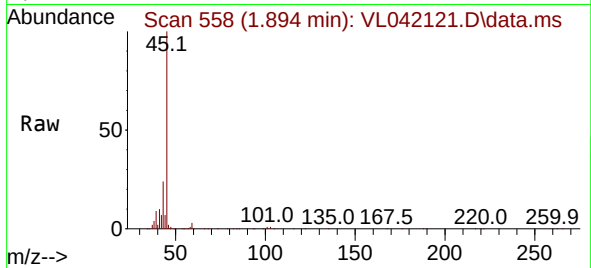
Tgt Ion: 43 Resp: 102118
Ion Ratio Lower Upper
43 100
58 25.8 20.7 31.1





#19
Isopropyl Alcohol
Concen: 7.464 ppbv
RT: 1.894 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59

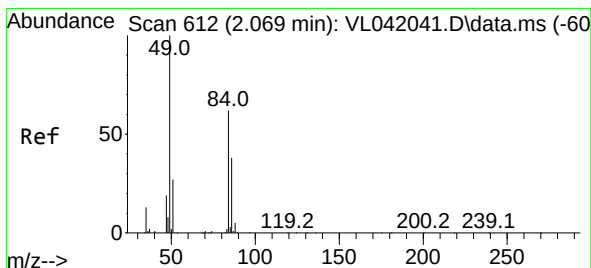
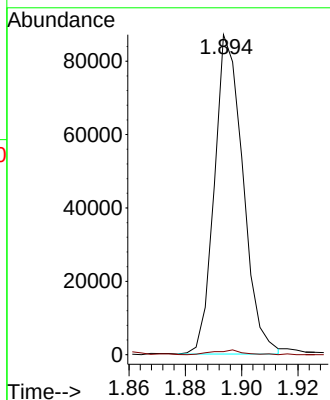
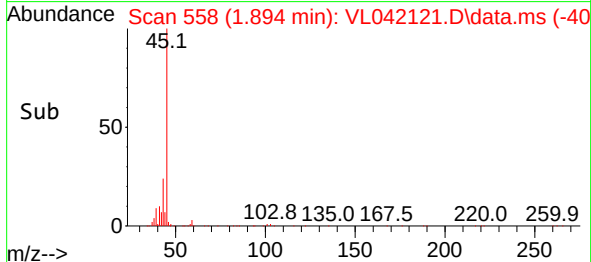
Instrument :
MSVOA_L
ClientSampleId :
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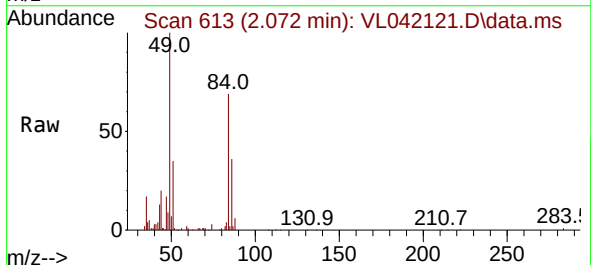
Tgt Ion: 45 Resp: 61180
Ion Ratio Lower Upper
45 100
58 43.0 35.3 52.9

Manual Integrations
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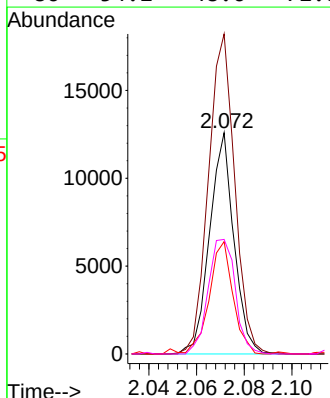
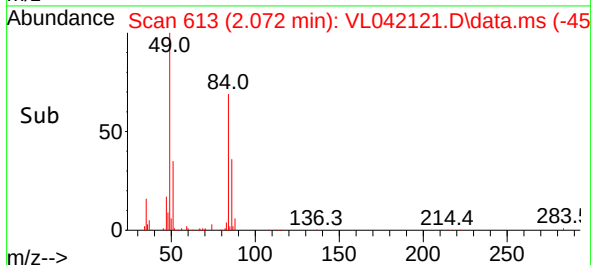
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

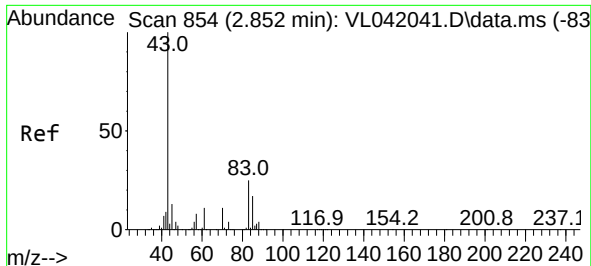


#20
Methylene Chloride
Concen: 1.653 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59



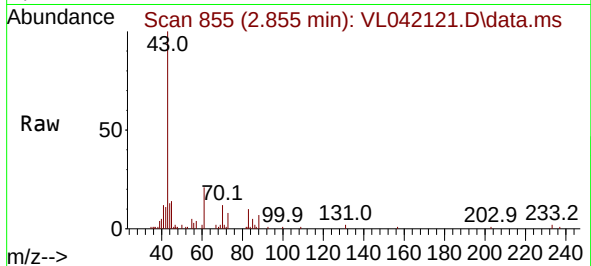
Tgt Ion: 84 Resp: 8920
Ion Ratio Lower Upper
84 100
49 144.0 130.0 195.0
51 50.1 37.4 56.0
86 54.2 48.6 72.8





#25
Ethyl Acetate
Concen: 0.260 ppbv
RT: 2.855 min Scan# 854
Delta R.T. 0.003 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59

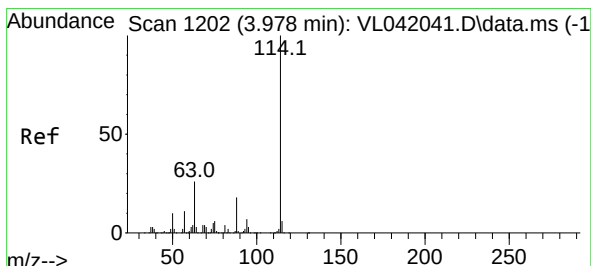
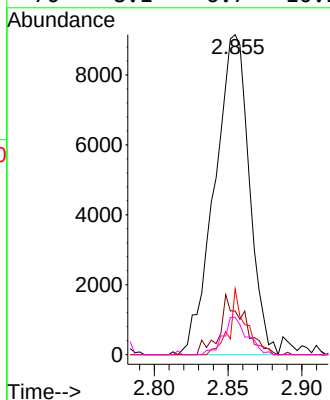
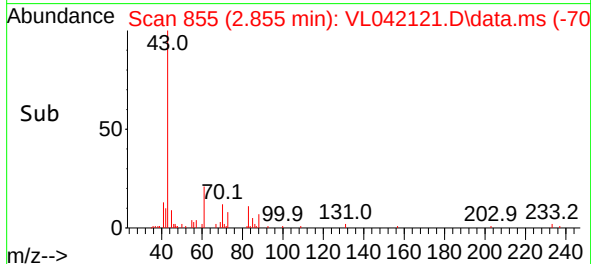
Instrument :
MSVOA_L
ClientSampleId :
1



Tgt Ion: 43 Resp: 1486
Ion Ratio Lower Upper
43 100
45 13.4 8.1 12.1
61 9.7 7.2 10.8
70 8.1 6.7 10.1

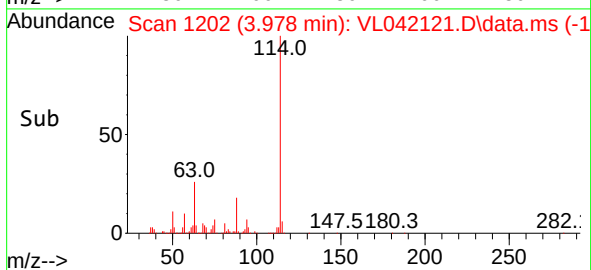
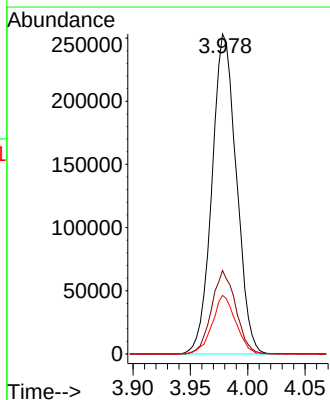
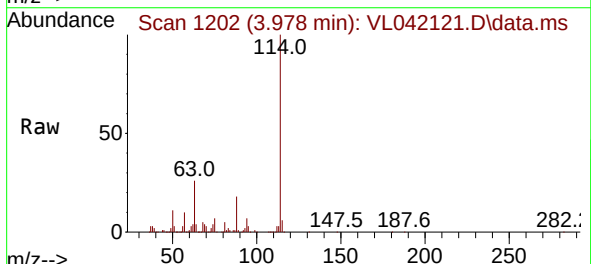
Manual Integrations
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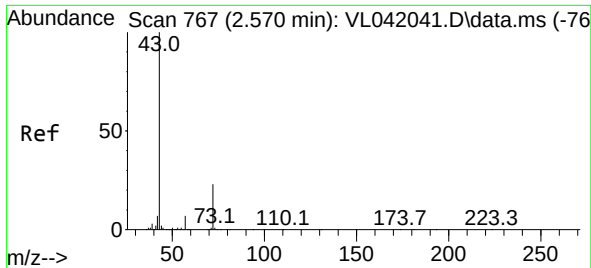
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. -0.000 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59

Tgt Ion:114 Resp: 375440
Ion Ratio Lower Upper
114 100
63 25.8 20.1 30.1
88 17.7 14.3 21.5





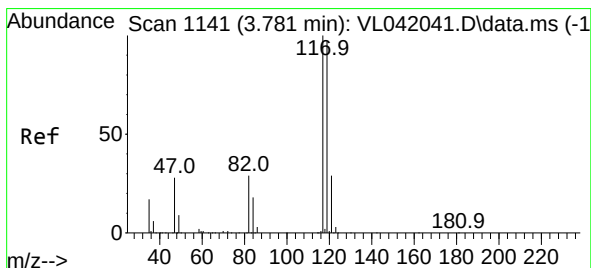
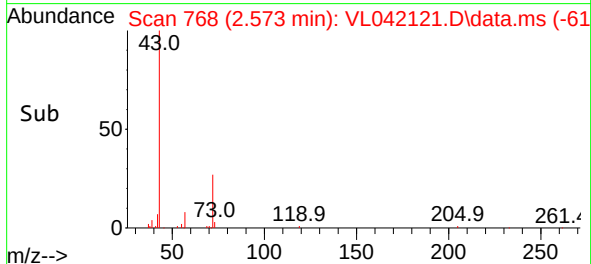
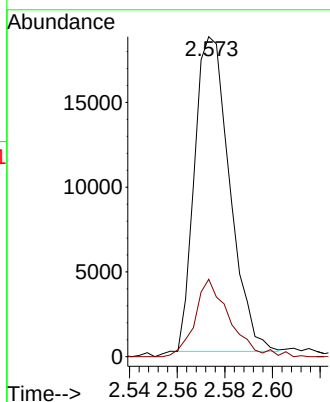
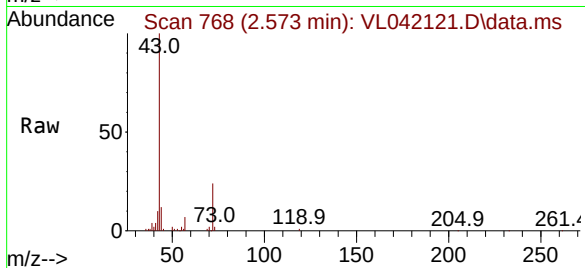
#34
2-Butanone
Concen: 0.651 ppbv
RT: 2.573 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
1

Tgt Ion: 43 Resp: 1905
Ion Ratio Lower Upper
43 100
72 24.4 18.5 27.7

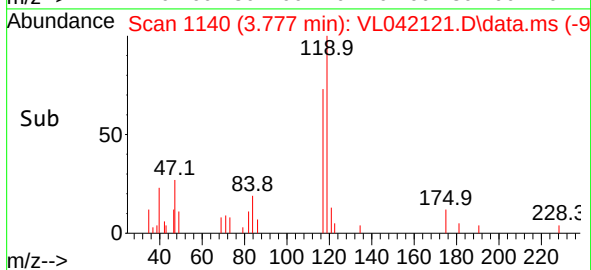
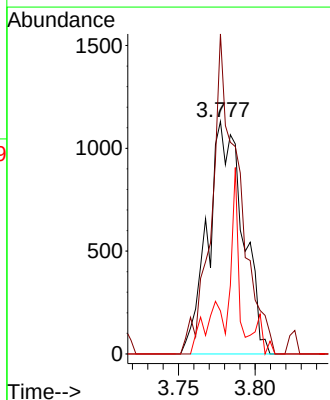
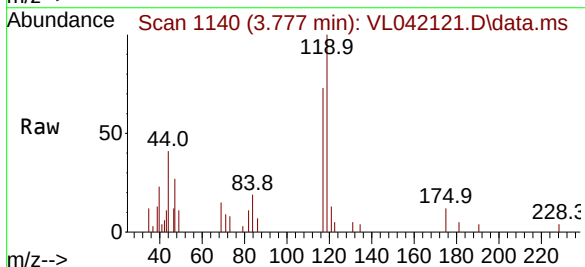
Manual Integrations
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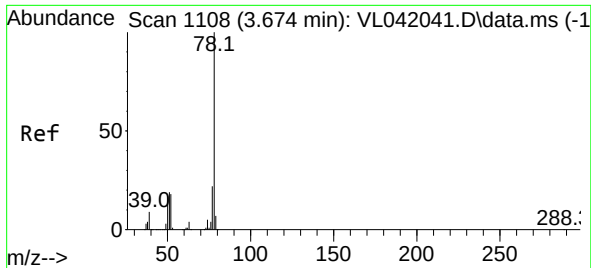
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 3.777 min Scan# 1140
Delta R.T. -0.003 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59

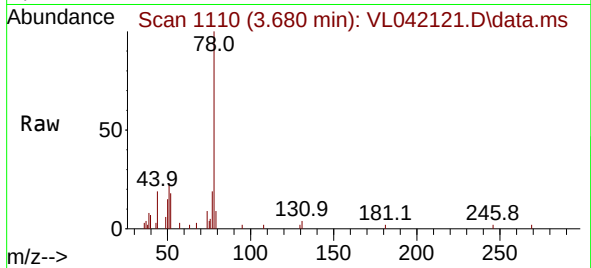
Tgt Ion:117 Resp: 1796
Ion Ratio Lower Upper
117 100
119 137.7 77.8 116.8#
121 18.5 23.4 35.0#





#36
Benzene
Concen: 0.126 ppbv m
RT: 3.680 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59

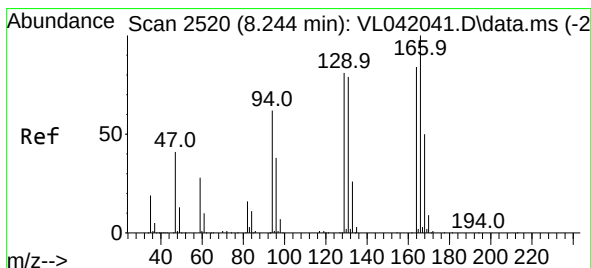
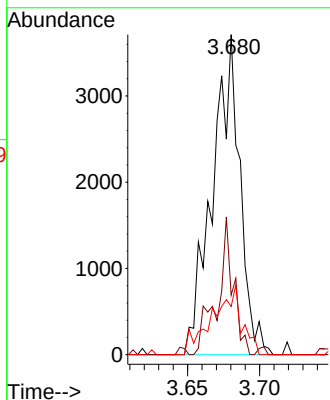
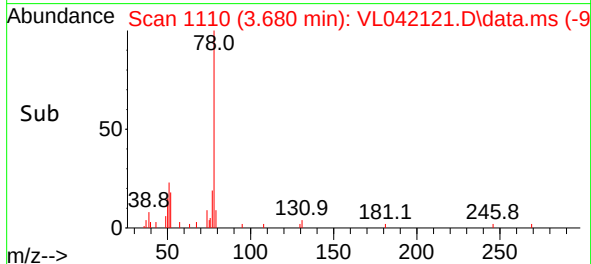
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 78 Resp: 4940
Ion Ratio Lower Upper
78 100
77 18.6 17.7 26.5
50 15.1 13.9 20.9

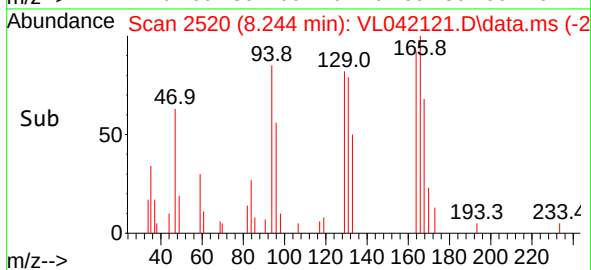
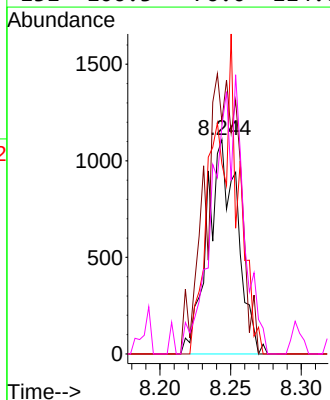
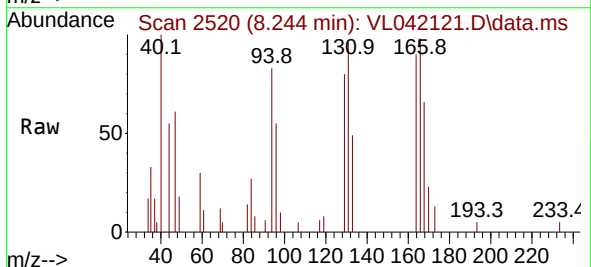
Manual Integrations
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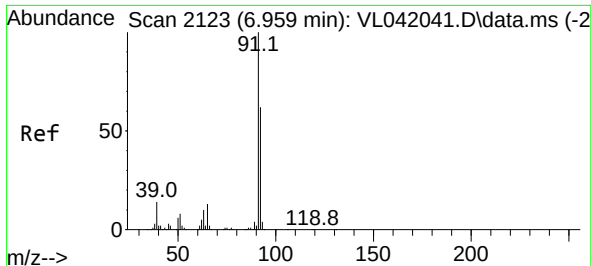
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#52
Tetrachloroethene
Concen: 0.123 ppbv m
RT: 8.244 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59

Tgt Ion:164 Resp: 1656
Ion Ratio Lower Upper
164 100
166 108.7 95.7 143.5
129 88.8 77.1 115.7
131 106.3 76.0 114.0





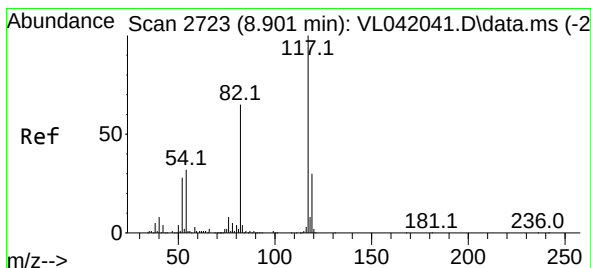
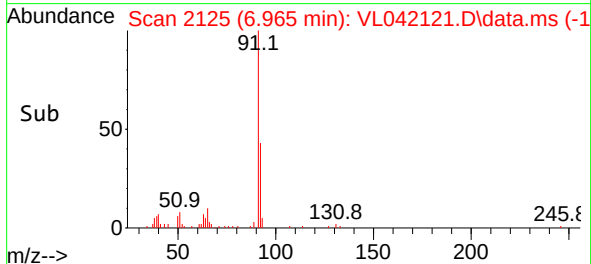
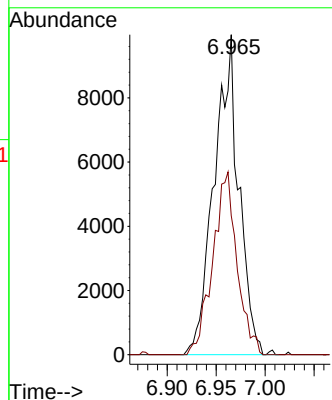
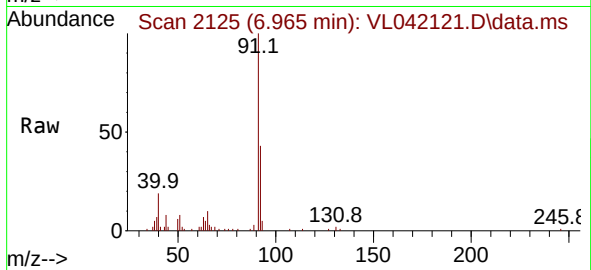
#53
Toluene
Concen: 0.397 ppbv m
RT: 6.965 min Scan# 2125
Delta R.T. 0.006 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
1

Tgt Ion: 91 Resp: 17418
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.6

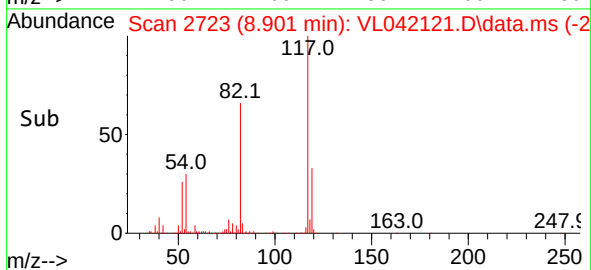
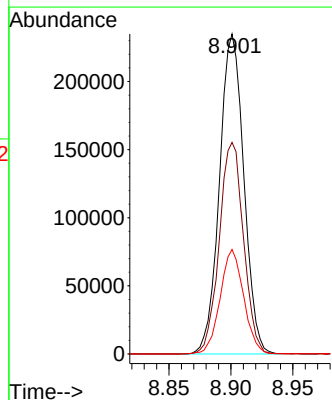
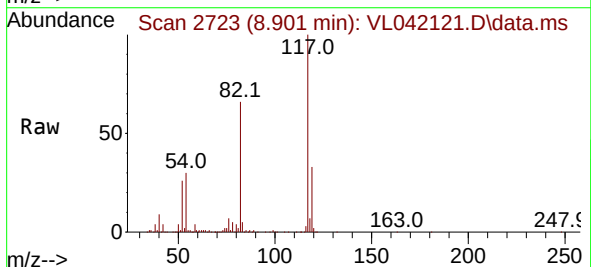
Manual Integrations
APPROVED

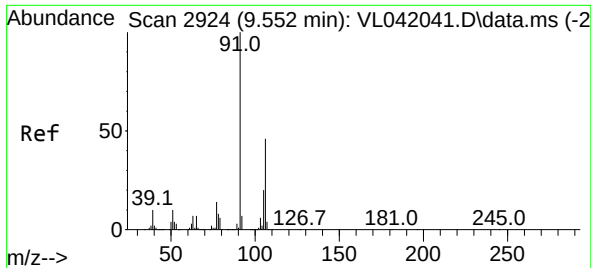
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59

Tgt Ion:117 Resp: 321830
Ion Ratio Lower Upper
117 100
82 65.8 55.0 82.6
119 31.7 25.9 38.9





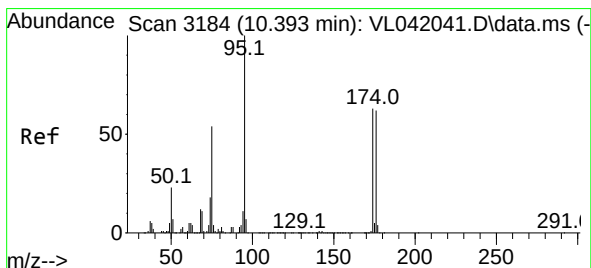
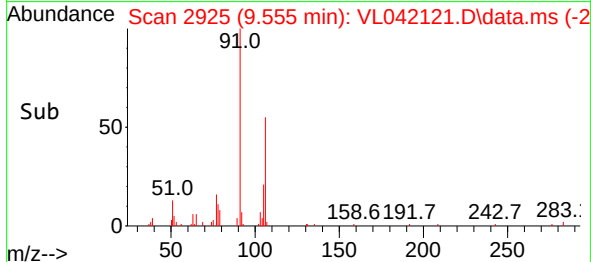
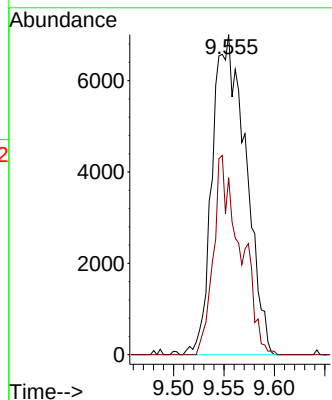
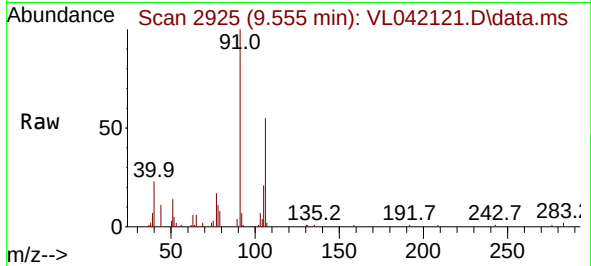
#59
m/p-Xylene
Concen: 0.342 ppbv m
RT: 9.555 min Scan# 2925
Delta R.T. 0.003 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59

Instrument :
MSVOA_L
ClientSampleId :
1

Tgt Ion: 91 Resp: 1614
Ion Ratio Lower Upper
91 100
106 50.1 0.0 0.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.227 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042121.D
Acq: 10 Mar 2025 12:59

Tgt Ion: 95 Resp: 253211
Ion Ratio Lower Upper
95 100
174 65.1 51.8 77.6
175 4.7 3.9 5.9

