

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042127.D
 Acq On : 10 Mar 2025 16:15
 Operator : SY/MD
 Sample : Q1532-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 4

Manual Integrations
 APPROVED

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

Quant Time: Mar 11 01:26:48 2025

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 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	2.800	49	162703	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	379717	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	323671	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	255866	10.275	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	8600	0.508	ppbv	98
3) Chlorodifluoromethane	1.483	51	5780m	0.244	ppbv	
4) Chloromethane	1.538	50	3589	0.574	ppbv	95
9) Propene	1.492	41	13301m	1.381	ppbv	
11) Trichlorofluoromethane	1.884	101	4374	0.258	ppbv	94
13) Ethanol	1.729	45	14167	23.166	ppbv	99
15) Acetone	1.845	43	82899	5.770	ppbv	98
17) tert-Butyl alcohol	2.055	59	2587	0.144	ppbv #	86
19) Isopropyl Alcohol	1.897	45	14092	1.707	ppbv #	1
20) Methylene Chloride	2.072	84	18587	3.420	ppbv	97
26) Hexane	2.842	57	9963m	0.428	ppbv	
34) 2-Butanone	2.573	43	16205	0.548	ppbv	97
35) Carbon Tetrachloride	3.774	117	1880m	0.072	ppbv	
36) Benzene	3.677	78	6120	0.154	ppbv	96
52) Tetrachloroethene	8.247	164	872m	0.064	ppbv	
53) Toluene	6.965	91	19451	0.438	ppbv	96
59) m/p-Xylene	9.551	91	14475m	0.305	ppbv	

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

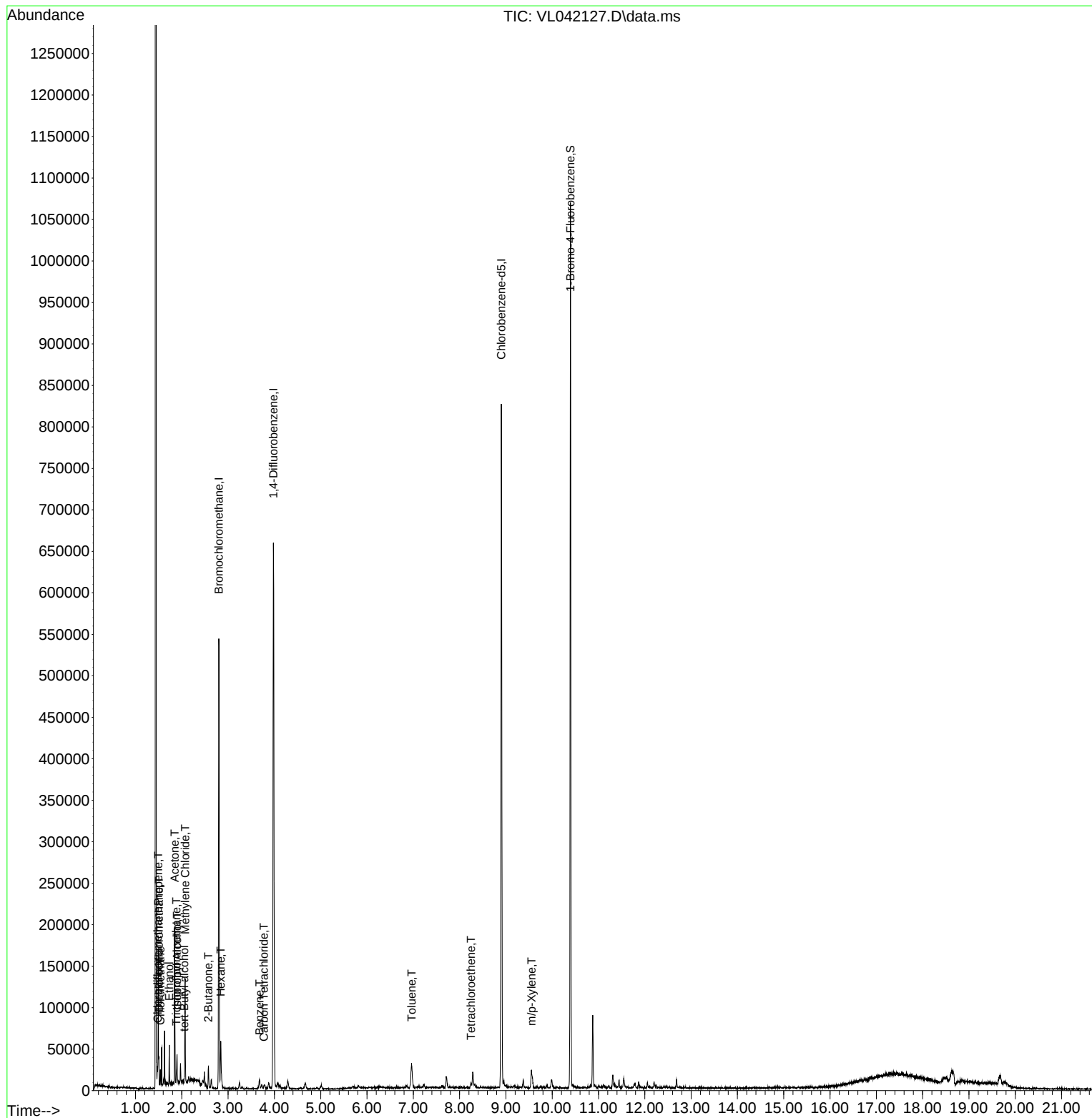
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
Data File : VL042127.D
Acq On : 10 Mar 2025 16:15
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ALS Vial : 1 Sample Multiplier: 1

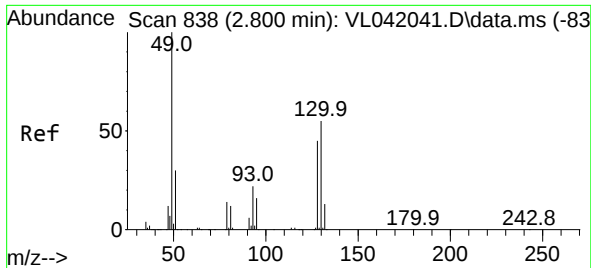
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Mar 11 01:26:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

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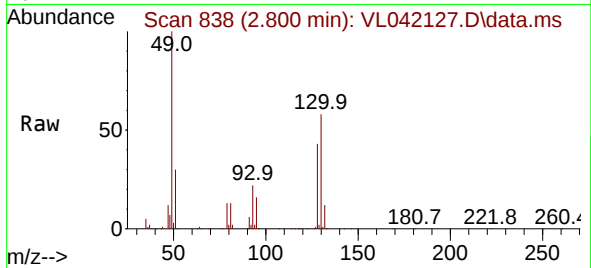
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. -0.000 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15

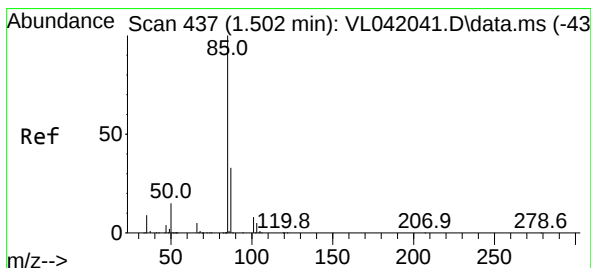
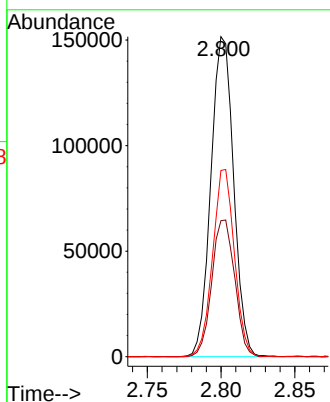
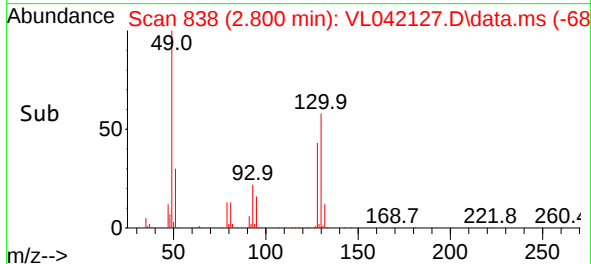
Instrument :
MSVOA_L
ClientSampleId :
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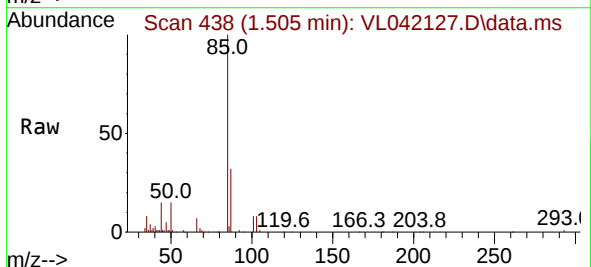
Tgt Ion: 49 Resp: 162700
Ion Ratio Lower Upper
49 100
128 43.0 21.6 64.8
130 56.1 27.8 83.4

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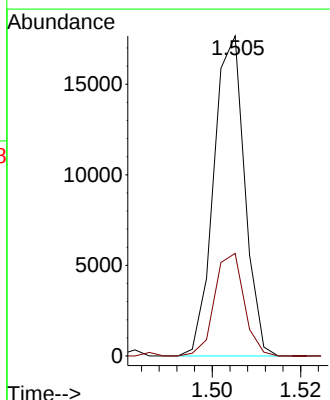
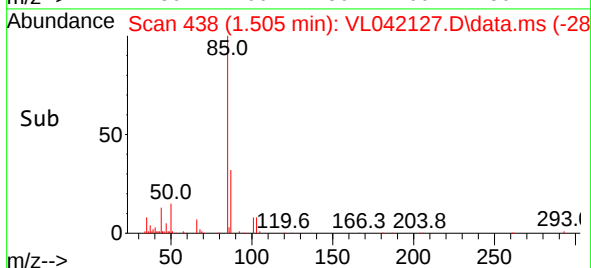
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

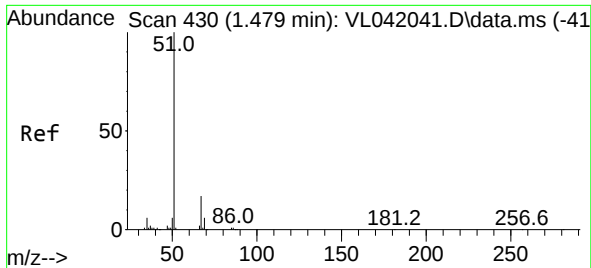


#2
Dichlorodifluoromethane
Concen: 0.508 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15



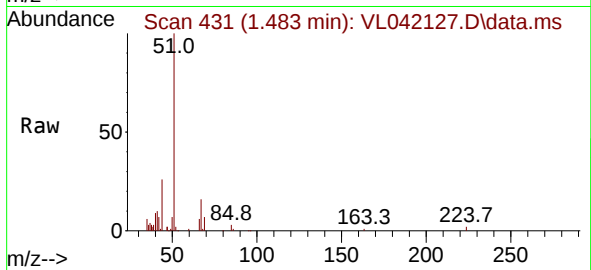
Tgt Ion: 85 Resp: 8600
Ion Ratio Lower Upper
85 100
87 32.1 26.4 39.6





#3
Chlorodifluoromethane
Concen: 0.244 ppbv m
RT: 1.483 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15

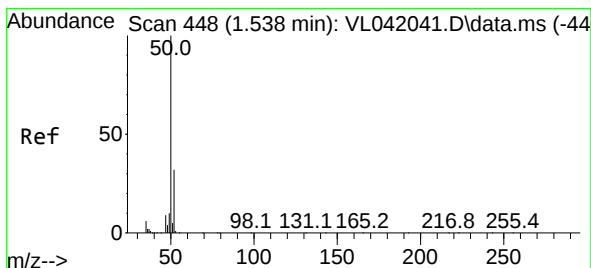
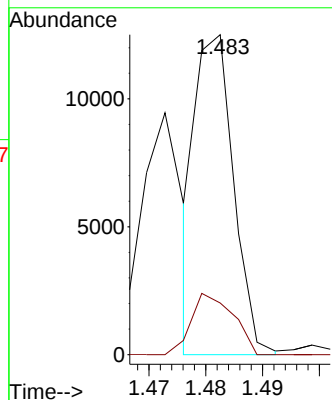
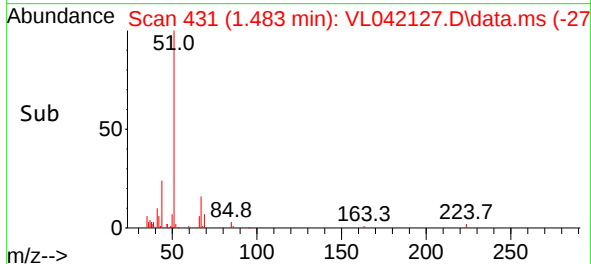
Instrument :
MSVOA_L
ClientSampleId :
4



Tgt Ion: 51 Resp: 5780
Ion Ratio Lower Upper
51 100
67 2.1 13.7 20.5

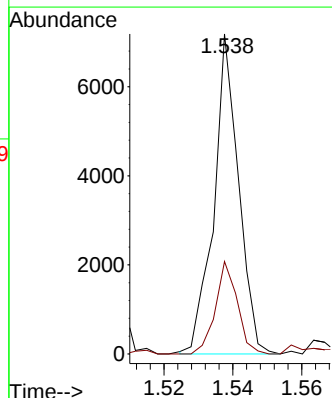
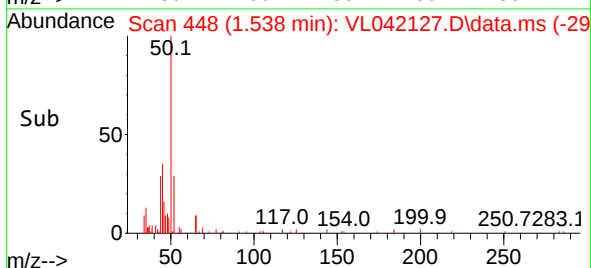
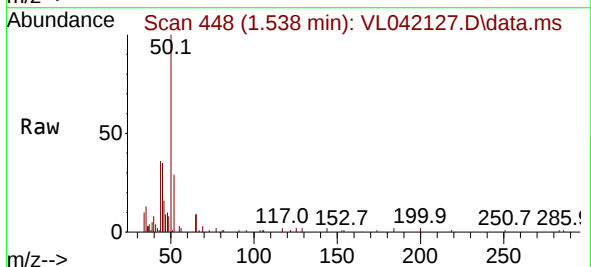
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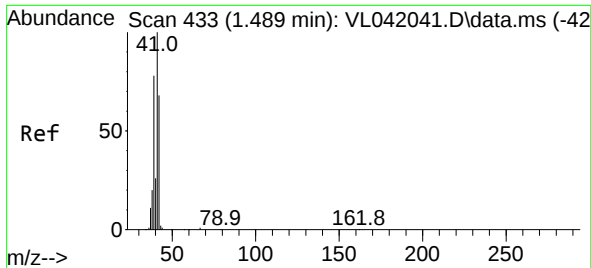
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#4
Chloromethane
Concen: 0.574 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15

Tgt Ion: 50 Resp: 3589
Ion Ratio Lower Upper
50 100
52 28.9 25.4 38.0





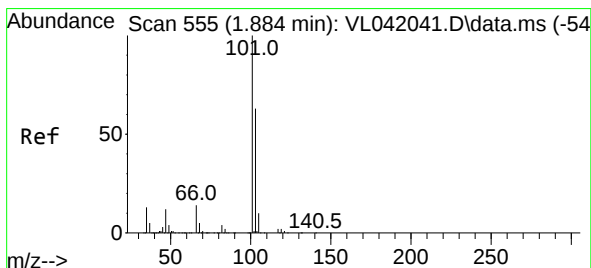
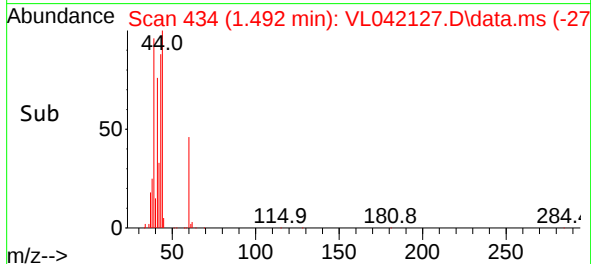
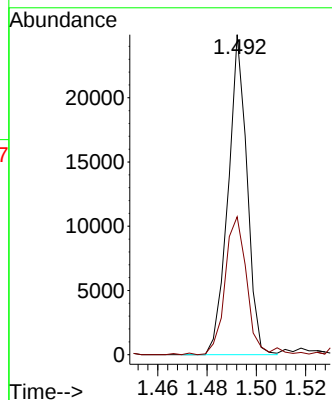
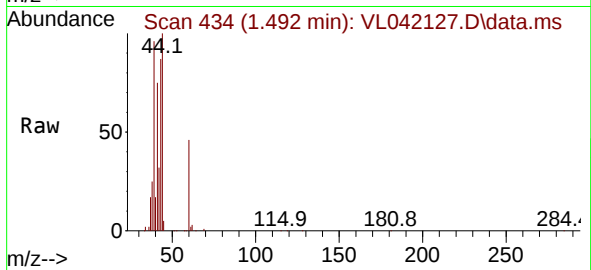
#9
 Propene
 Concen: 1.381 ppbv m
 RT: 1.492 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042127.D
 Acq: 10 Mar 2025 16:15

Instrument :
 MSVOA_L
 ClientSampleId :
 4

Tgt Ion: 41 Resp: 1330
 Ion Ratio Lower Upper
 41 100
 42 7.7 55.8 83.6

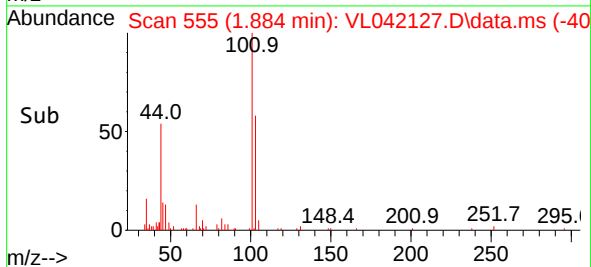
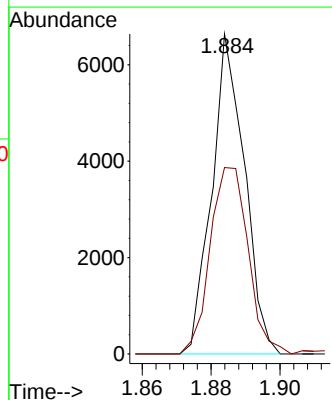
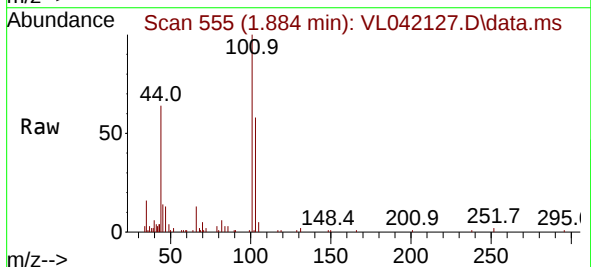
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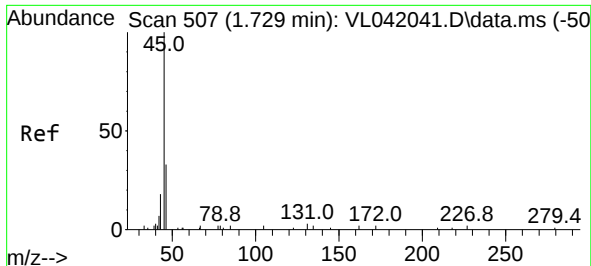
Reviewed By :Semsettin Yesilyurt 03/11/2025
 Supervised By :Mahesh Dadoda 03/11/2025



#11
 Trichlorofluoromethane
 Concen: 0.258 ppbv
 RT: 1.884 min Scan# 555
 Delta R.T. -0.000 min
 Lab File: VL042127.D
 Acq: 10 Mar 2025 16:15

Tgt Ion:101 Resp: 4374
 Ion Ratio Lower Upper
 101 100
 103 58.3 50.6 75.8





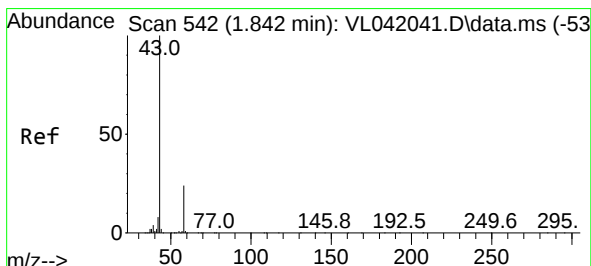
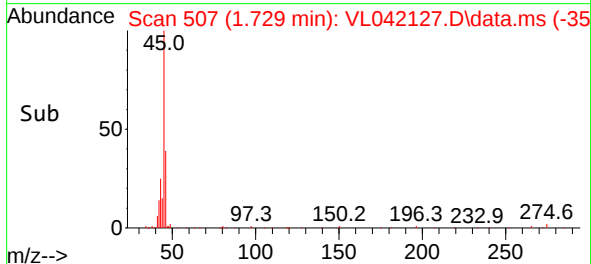
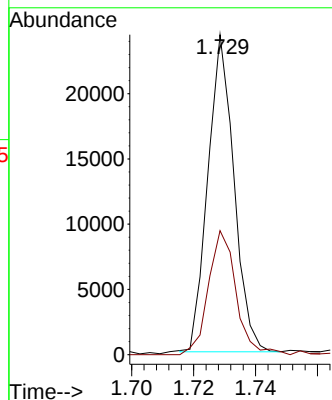
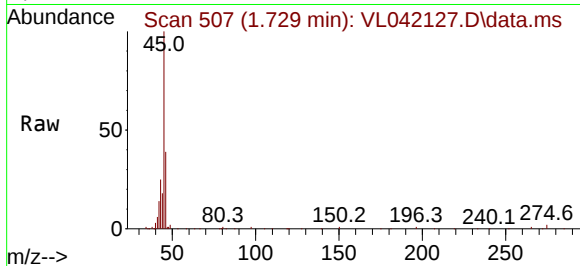
#13
Ethanol
Concen: 23.166 ppbv
RT: 1.729 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15

Instrument :
MSVOA_L
ClientSampleId :
4

Tgt Ion: 45 Resp: 1416
Ion Ratio Lower Upper
45 100
46 43.5 17.1 68.3

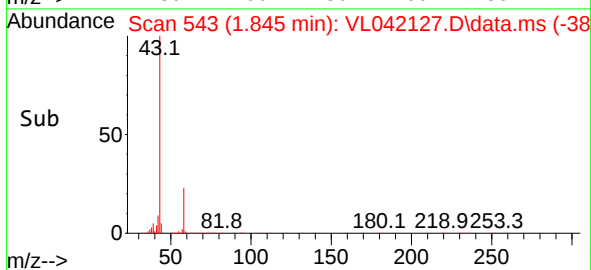
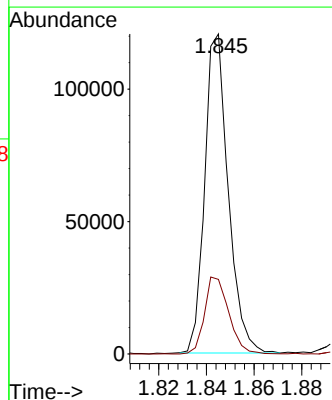
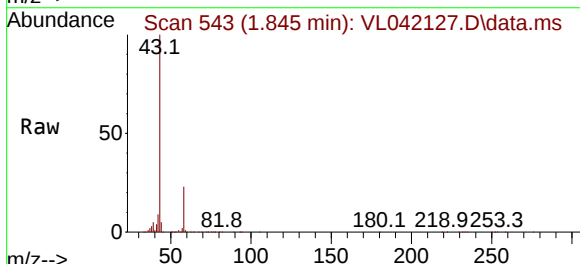
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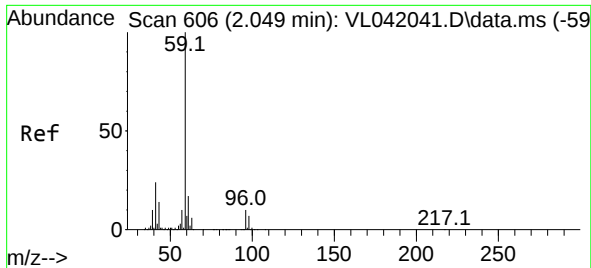
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#15
Acetone
Concen: 5.770 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15

Tgt Ion: 43 Resp: 82899
Ion Ratio Lower Upper
43 100
58 24.9 20.7 31.1





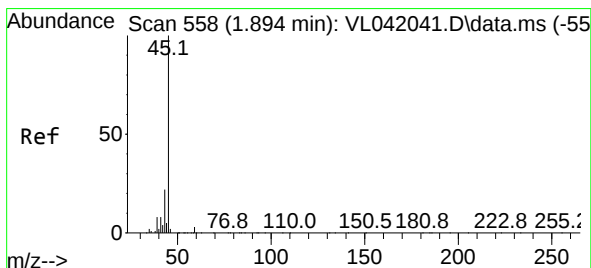
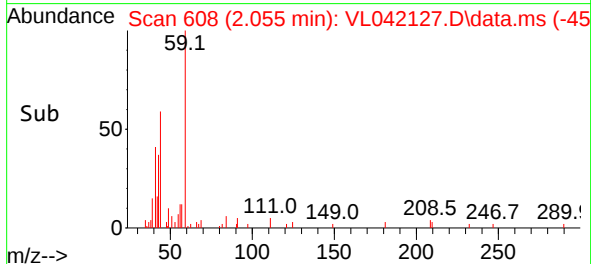
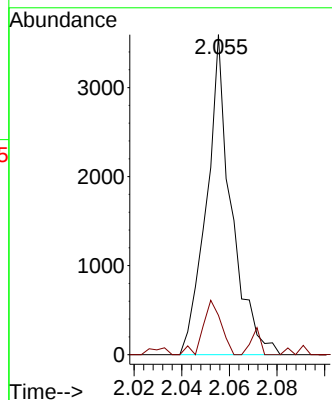
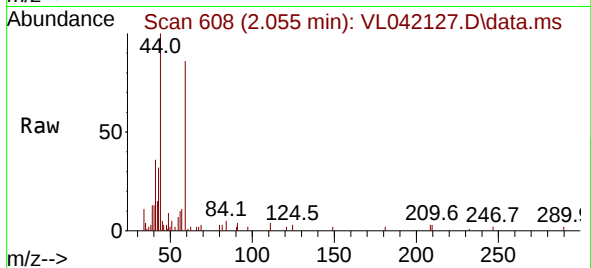
#17
tert-Butyl alcohol
Concen: 0.144 ppbv
RT: 2.055 min Scan# 606
Delta R.T. 0.006 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15

Instrument :
MSVOA_L
ClientSampleId :
4

Tgt Ion: 59 Resp: 258
Ion Ratio Lower Upper
59 100
57 17.1 9.3 13.9

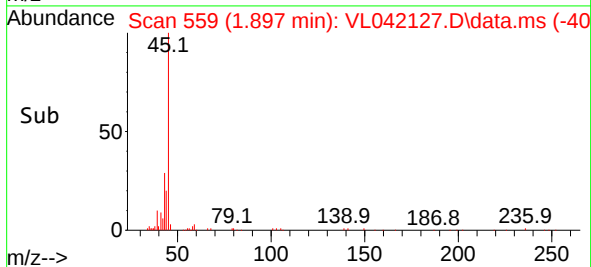
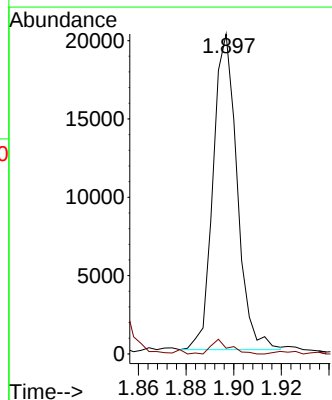
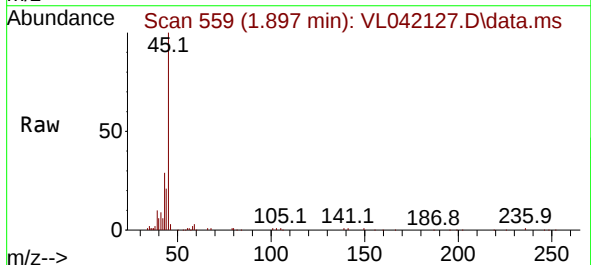
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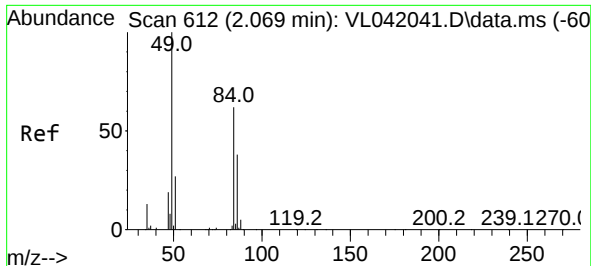
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#19
Isopropyl Alcohol
Concen: 1.707 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.003 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15

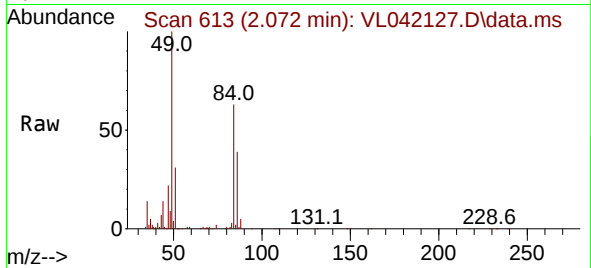
Tgt Ion: 45 Resp: 14092
Ion Ratio Lower Upper
45 100
58 146.3 35.3 52.9





#20
Methylene Chloride
Concen: 3.420 ppbv
RT: 2.072 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15

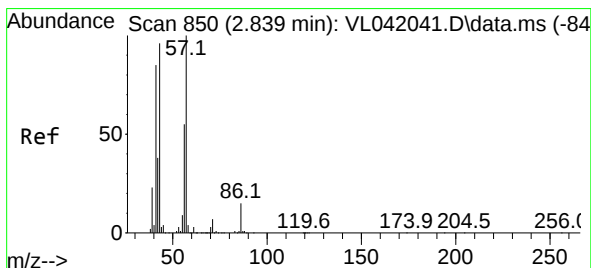
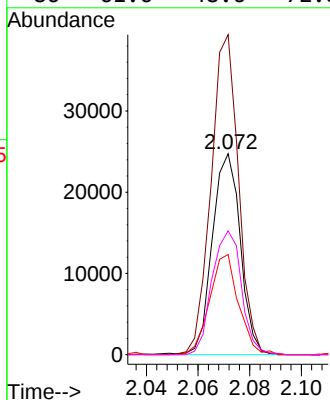
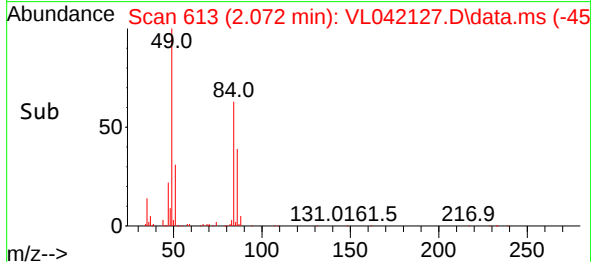
Instrument :
MSVOA_L
ClientSampleId :
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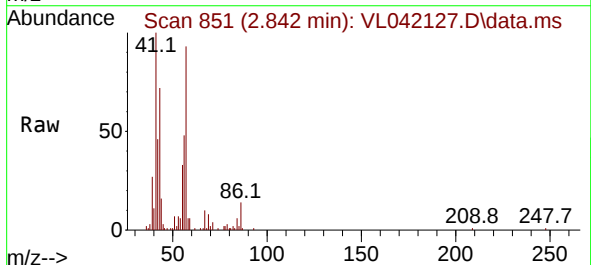
Tgt Ion: 84 Resp: 1858
Ion Ratio Lower Upper
84 100
49 158.6 130.0 195.0
51 49.8 37.4 56.0
86 61.6 48.6 72.8

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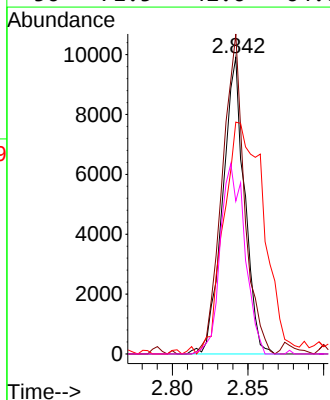
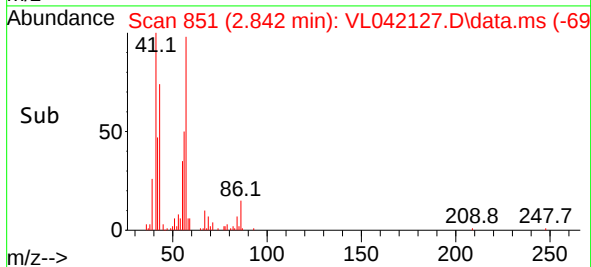
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

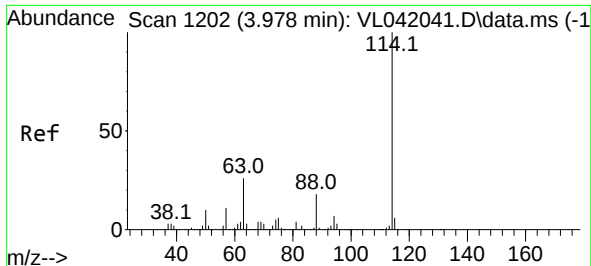


#26
Hexane
Concen: 0.428 ppbv m
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15



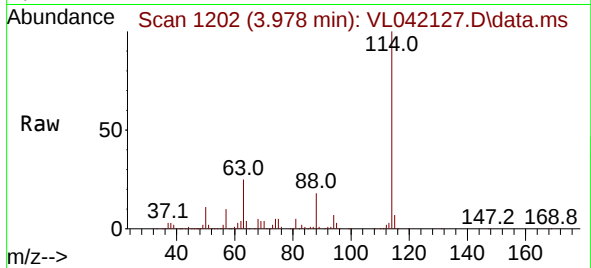
Tgt Ion: 57 Resp: 9963
Ion Ratio Lower Upper
57 100
41 113.1 70.6 106.0#
43 147.6 199.4 299.0#
56 71.5 42.6 64.0#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 114
Delta R.T. -0.000 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15

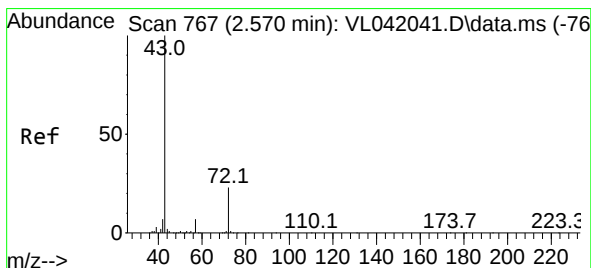
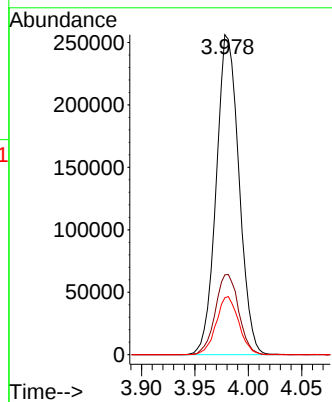
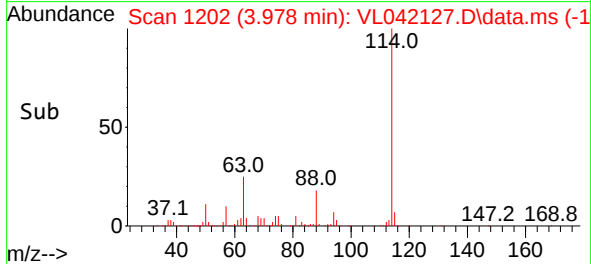
Instrument :
MSVOA_L
ClientSampleId :
4



Tgt Ion:114 Resp: 37971
Ion Ratio Lower Upper
114 100
63 25.8 20.1 30.1
88 18.1 14.3 21.5

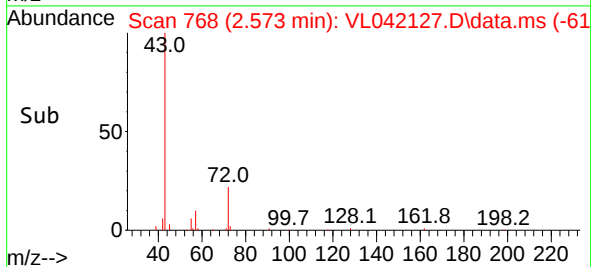
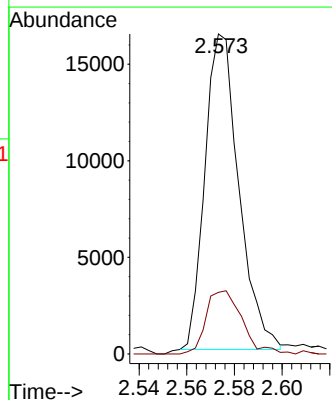
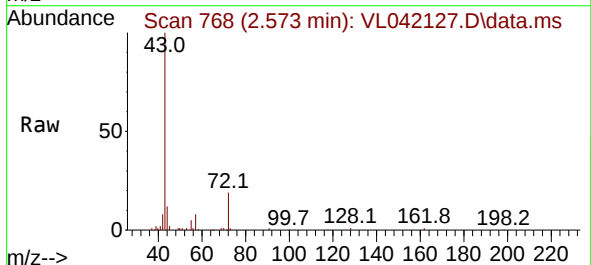
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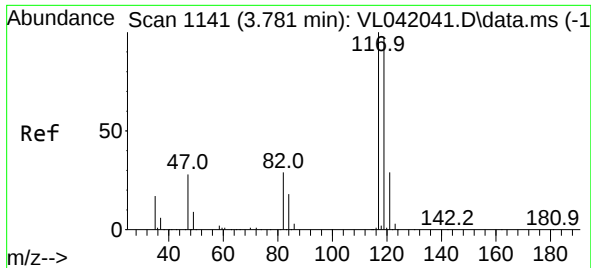
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#34
2-Butanone
Concen: 0.548 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.003 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15

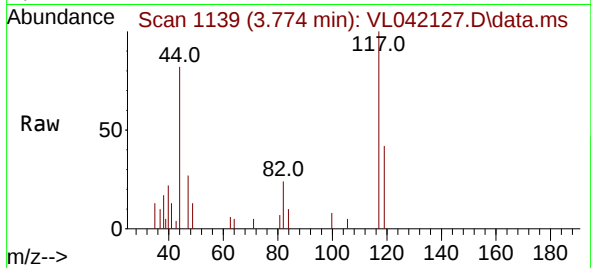
Tgt Ion: 43 Resp: 16205
Ion Ratio Lower Upper
43 100
72 21.5 18.5 27.7





#35
Carbon Tetrachloride
Concen: 0.072 ppbv m
RT: 3.774 min Scan# 1139
Delta R.T. -0.007 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15

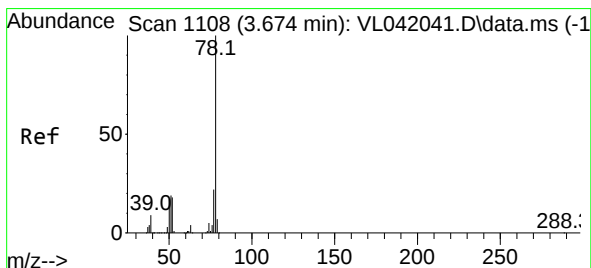
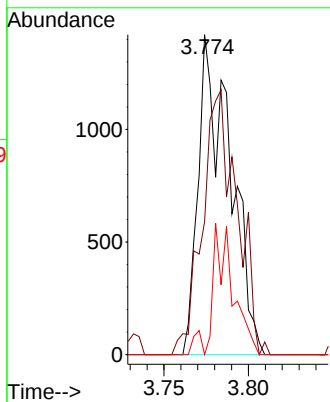
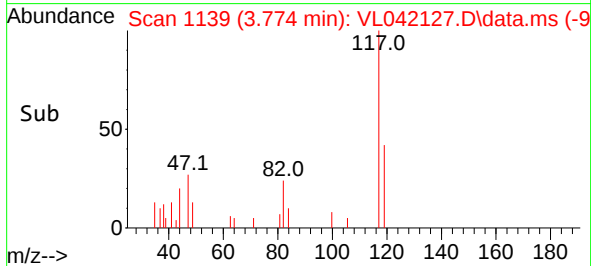
Instrument :
MSVOA_L
ClientSampleId :



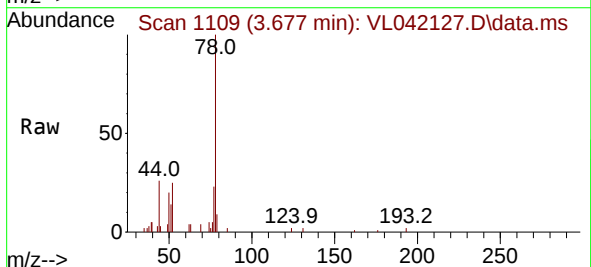
Tgt Ion:117 Resp: 1880
Ion Ratio Lower Upper
117 100
119 41.5 77.8 116.8
121 0.0 23.4 35.0

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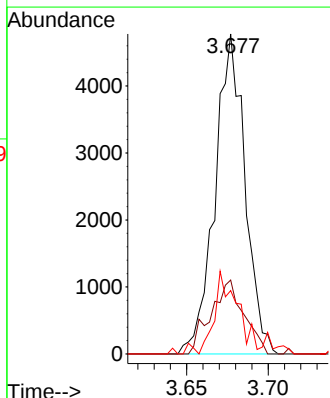
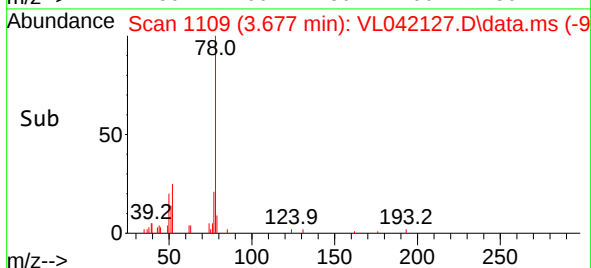
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

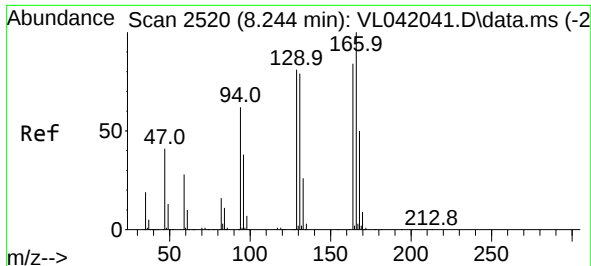


#36
Benzene
Concen: 0.154 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.003 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15



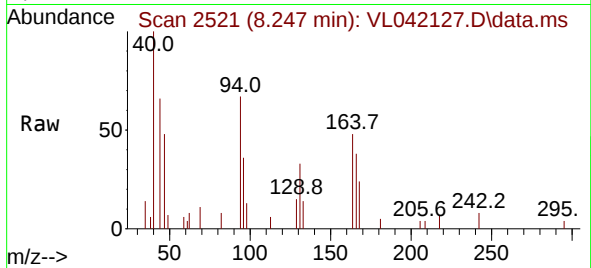
Tgt Ion: 78 Resp: 6120
Ion Ratio Lower Upper
78 100
77 23.1 17.7 26.5
50 19.8 13.9 20.9





#52
Tetrachloroethene
Concen: 0.064 ppbv m
RT: 8.247 min Scan# 2125
Delta R.T. 0.003 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15

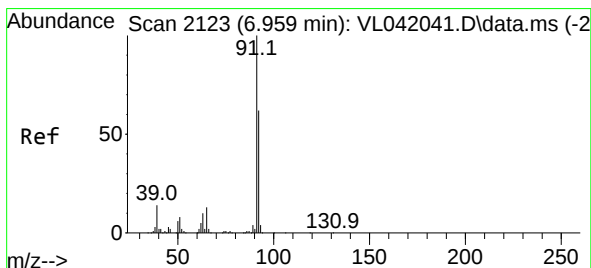
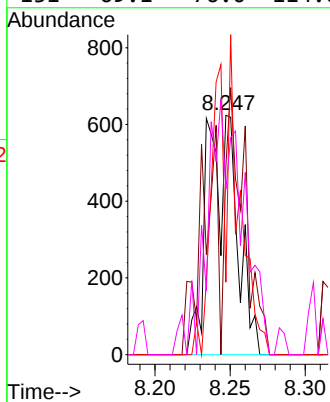
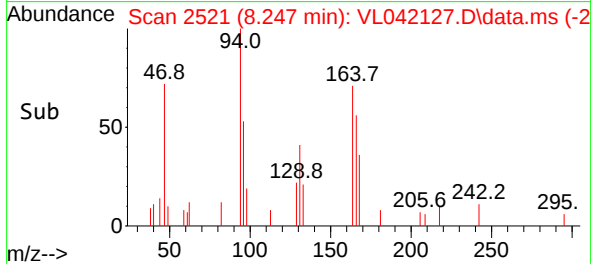
Instrument :
MSVOA_L
ClientSampleId :
4



Tgt Ion:164 Resp: 872
Ion Ratio Lower Upper
164 100
166 79.0 95.7 143.5
129 30.3 77.1 115.7
131 69.1 76.0 114.0

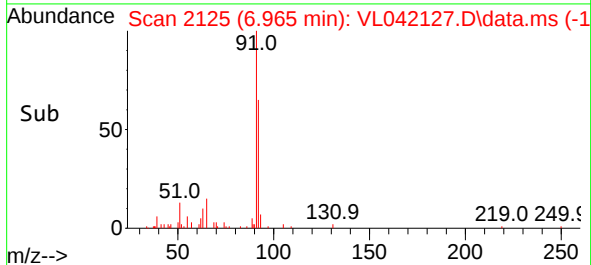
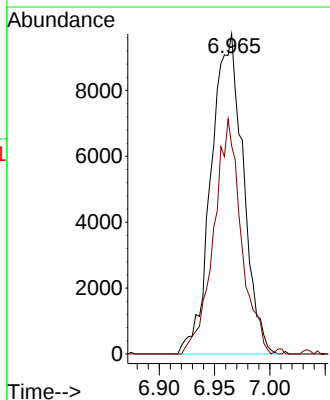
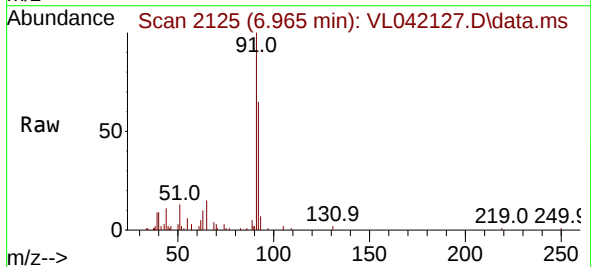
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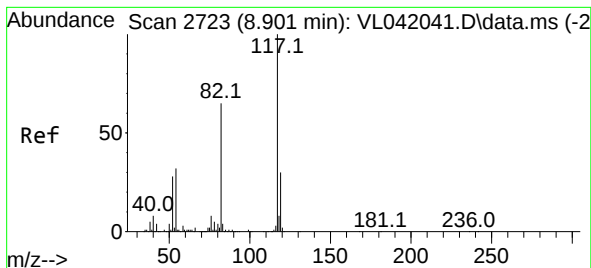
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#53
Toluene
Concen: 0.438 ppbv
RT: 6.965 min Scan# 2125
Delta R.T. 0.006 min
Lab File: VL042127.D
Acq: 10 Mar 2025 16:15

Tgt Ion: 91 Resp: 19451
Ion Ratio Lower Upper
91 100
92 64.4 49.0 73.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.901 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL042127.D

Acq: 10 Mar 2025 16:15

Instrument :

MSVOA_L

ClientSampleId :

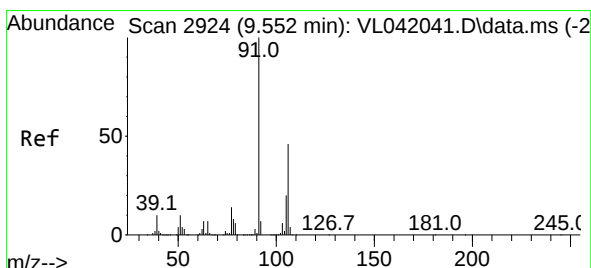
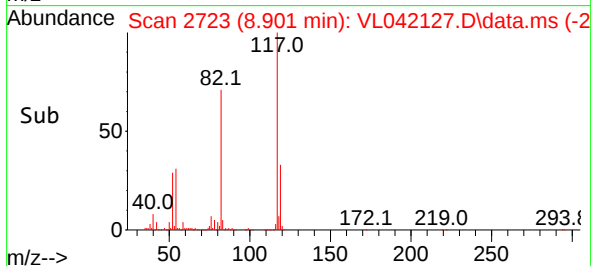
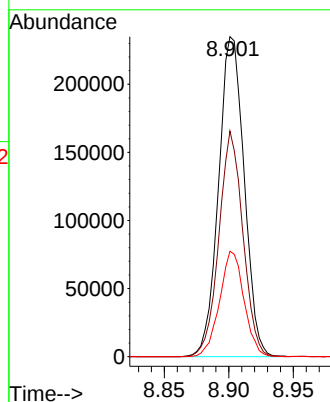
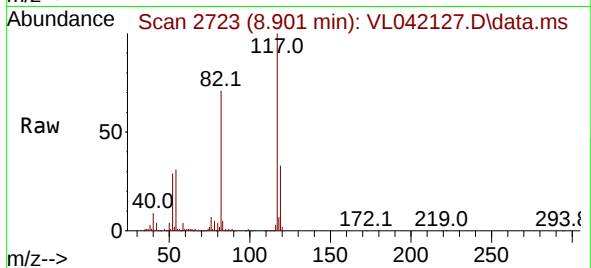
4

Tgt Ion:117 Resp: 32367
 Ion Ratio Lower Upper
 117 100
 82 66.2 55.0 82.6
 119 31.6 25.9 38.9

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



#59

m/p-Xylene

Concen: 0.305 ppbv m

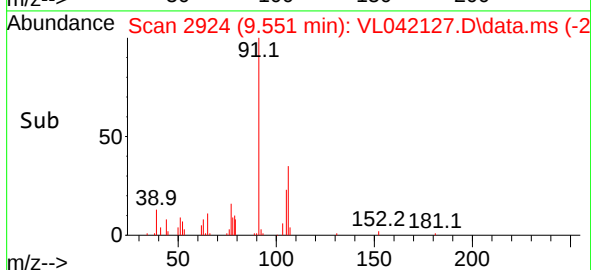
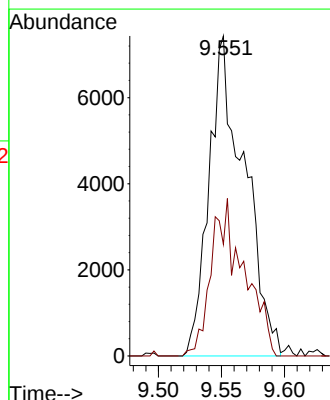
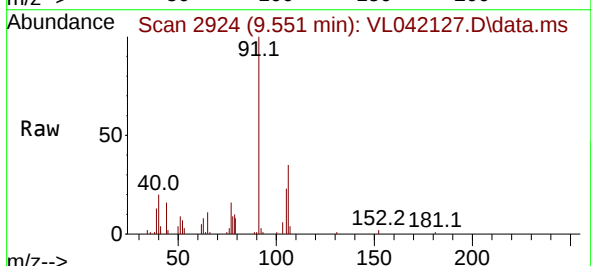
RT: 9.551 min Scan# 2924

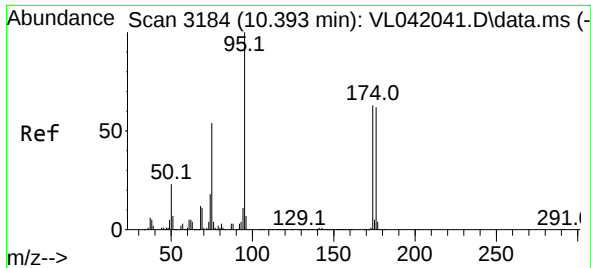
Delta R.T. -0.000 min

Lab File: VL042127.D

Acq: 10 Mar 2025 16:15

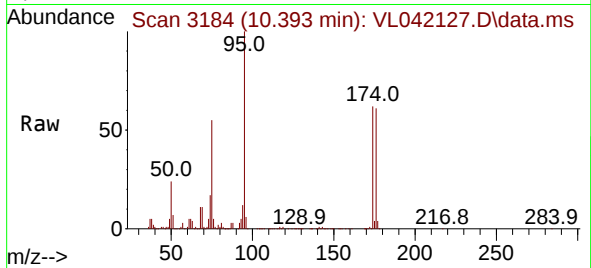
Tgt Ion: 91 Resp: 14475
 Ion Ratio Lower Upper
 91 100
 106 45.8 0.0 0.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.275 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. -0.000 min
 Lab File: VL042127.D
 Acq: 10 Mar 2025 16:15

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 95 Resp: 255860
 Ion Ratio Lower Upper
 95 100
 174 61.8 51.8 77.6
 175 4.6 3.9 5.9

Manual Integrations
 APPROVED

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

