

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042125.D
 Acq On : 10 Mar 2025 15:10
 Operator : SY/MD
 Sample : Q1532-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 3

Manual Integrations
 APPROVED

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

Quant Time: Mar 11 01:25:51 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	2.800	49	165184	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	383076	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	325600	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	257724	10.288	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.900%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	8811	0.513	ppbv	98
3) Chlorodifluoromethane	1.479	51	5361m	0.223	ppbv	
4) Chloromethane	1.538	50	3667	0.577	ppbv	90
9) Propene	1.492	41	14075m	1.439	ppbv	
11) Trichlorofluoromethane	1.884	101	4245	0.247	ppbv	98
13) Ethanol	1.725	45	49066	79.029	ppbv	91
15) Acetone	1.842	43	95309	6.534	ppbv	99
17) tert-Butyl alcohol	2.052	59	2468m	0.135	ppbv	
19) Isopropyl Alcohol	1.894	45	80421	9.598	ppbv #	35
20) Methylene Chloride	2.068	84	8194	1.485	ppbv	90
34) 2-Butanone	2.573	43	20566	0.689	ppbv	93
35) Carbon Tetrachloride	3.781	117	1856m	0.070	ppbv	
36) Benzene	3.671	78	5810	0.145	ppbv #	82
52) Tetrachloroethene	8.244	164	935m	0.068	ppbv	
53) Toluene	6.959	91	16945	0.378	ppbv	93
59) m/p-Xylene	9.545	91	13078m	0.274	ppbv	

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

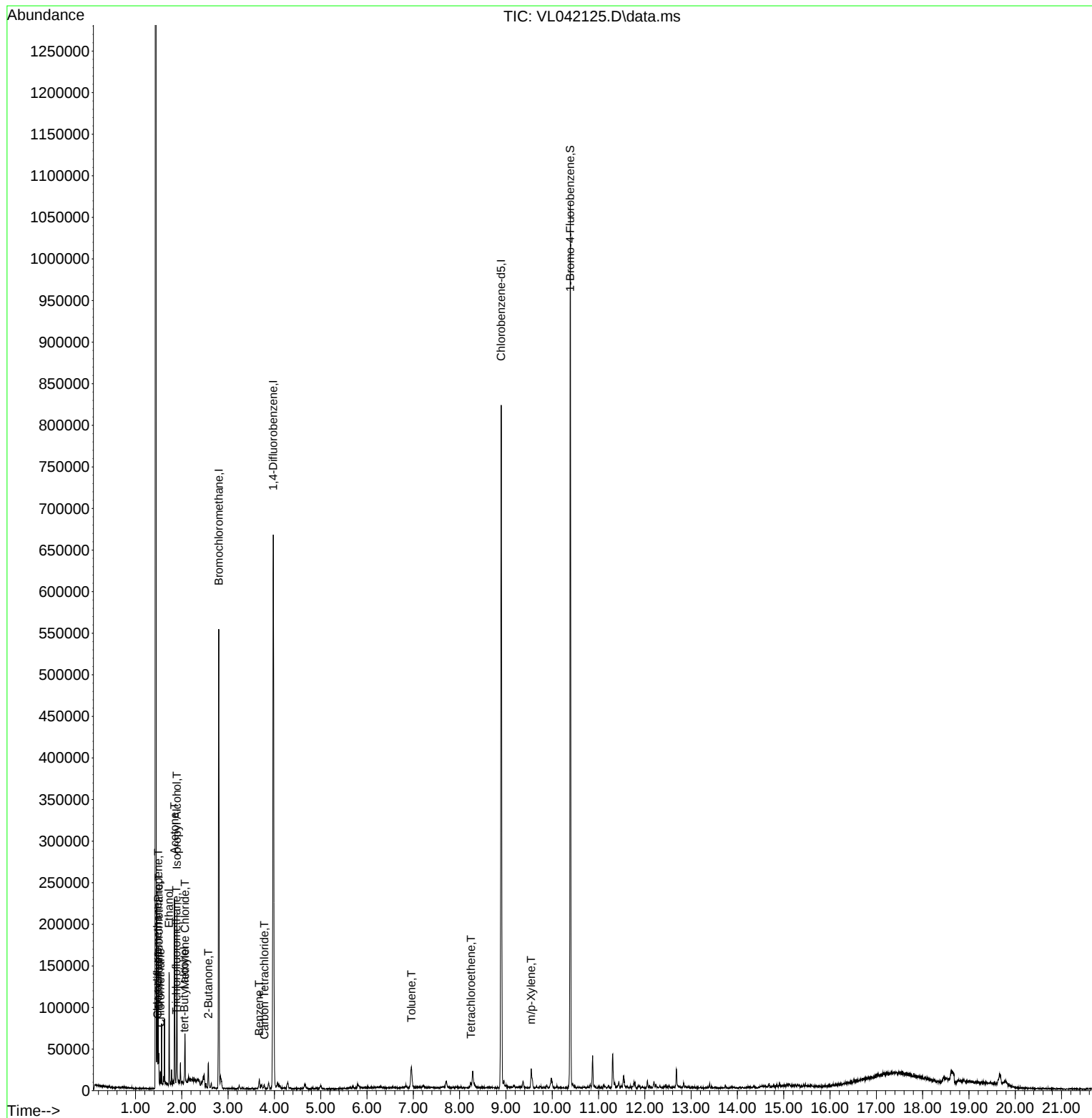
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
Data File : VL042125.D
Acq On : 10 Mar 2025 15:10
Operator : SY/MD
Sample : Q1532-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

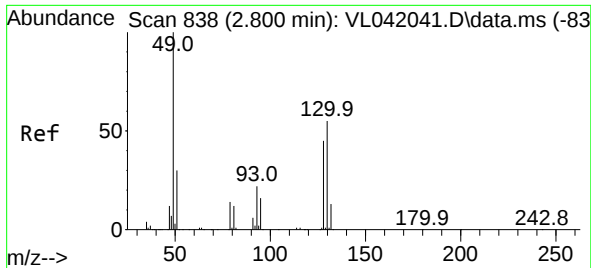
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Mar 11 01:25:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

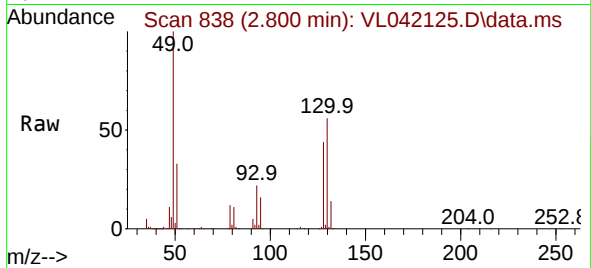
Reviewed By : Semsettin Yesilyurt 03/11/2025
Supervised By : Mahesh Dadoda 03/11/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

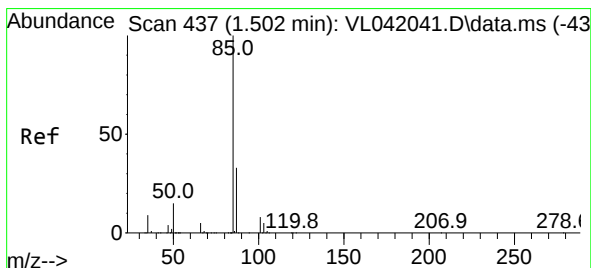
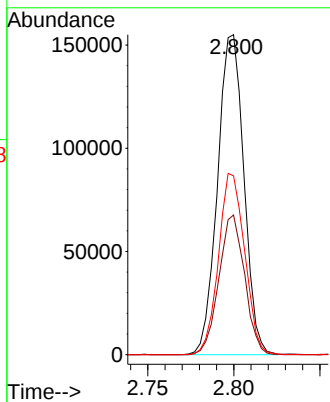
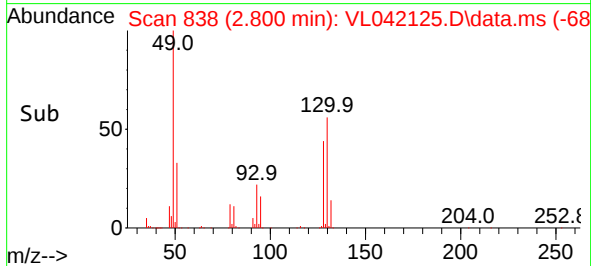
Instrument :
MSVOA_L
ClientSampleId :
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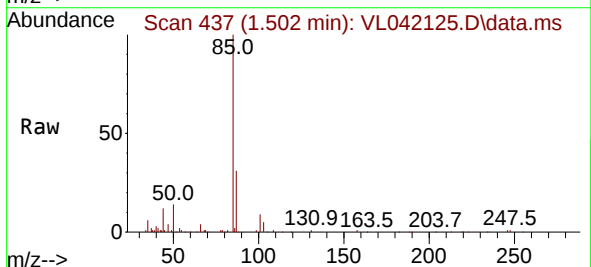
Tgt Ion: 49 Resp: 165184
Ion Ratio Lower Upper
49 100
128 42.5 21.6 64.8
130 56.3 27.8 83.4

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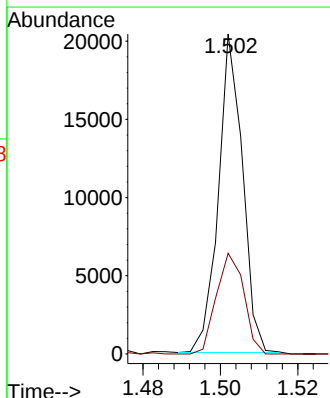
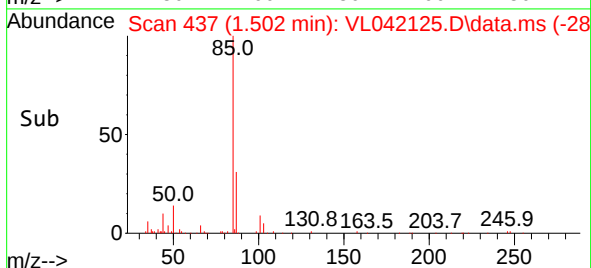
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

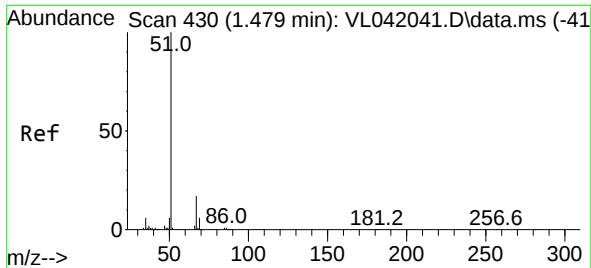


#2
Dichlorodifluoromethane
Concen: 0.513 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10



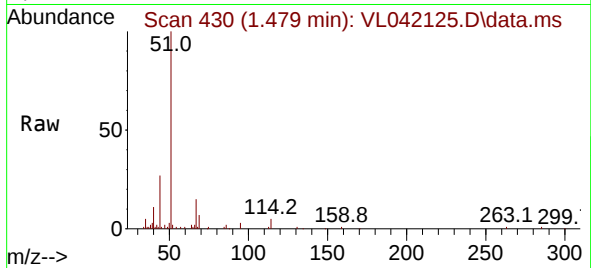
Tgt Ion: 85 Resp: 8811
Ion Ratio Lower Upper
85 100
87 31.6 26.4 39.6





#3
Chlorodifluoromethane
Concen: 0.223 ppbv m
RT: 1.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

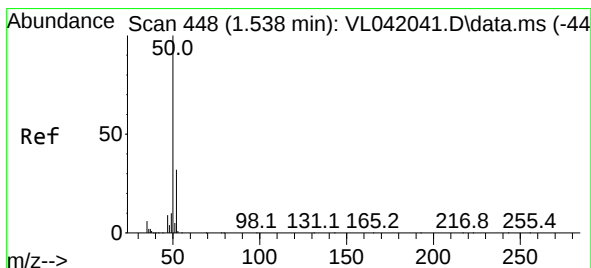
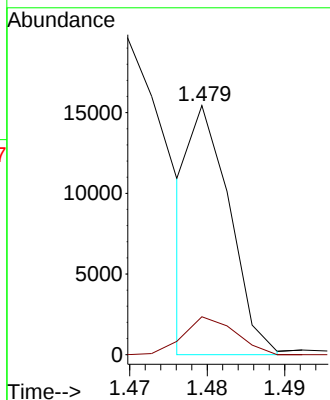
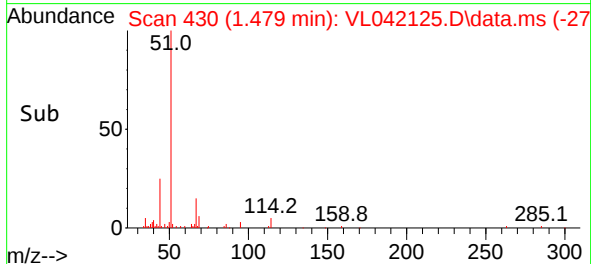
Instrument :
MSVOA_L
ClientSampleId :
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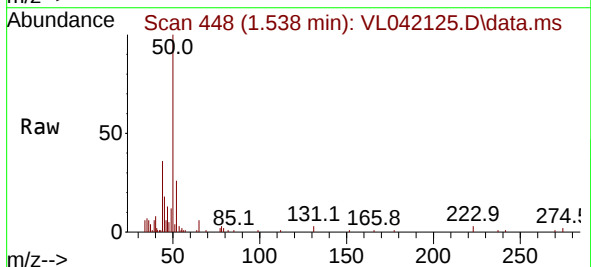
Tgt Ion: 51 Resp: 536
Ion Ratio Lower Upper
51 100
67 20.6 13.7 20.5

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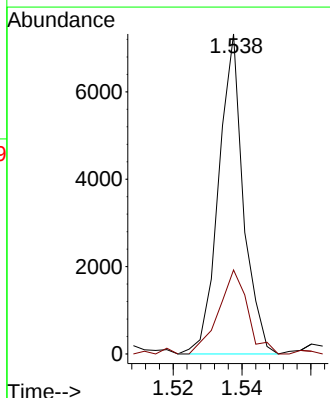
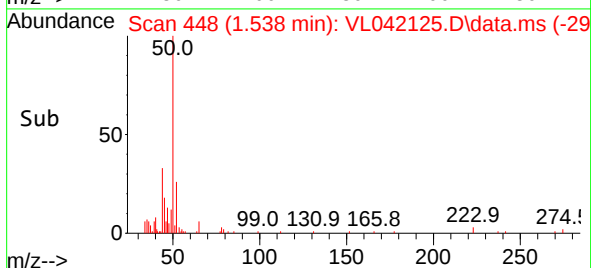
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

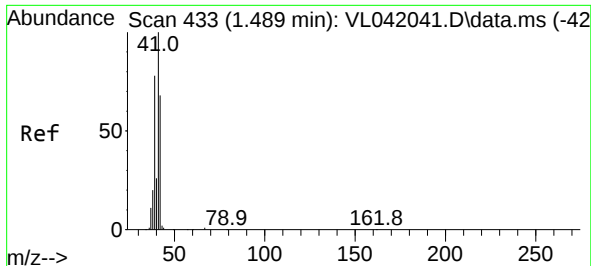


#4
Chloromethane
Concen: 0.577 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10



Tgt Ion: 50 Resp: 3667
Ion Ratio Lower Upper
50 100
52 26.2 25.4 38.0





#9

Propene

Concen: 1.439 ppbv m

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042125.D

Acq: 10 Mar 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

3

Tgt Ion: 41 Resp: 14075

Ion Ratio Lower Upper

41 100

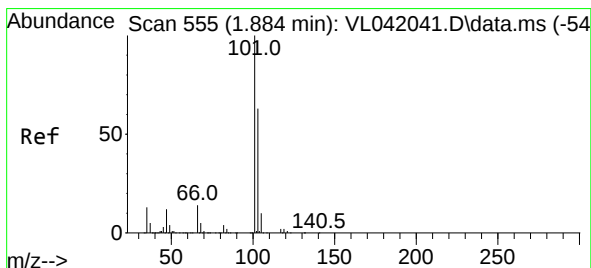
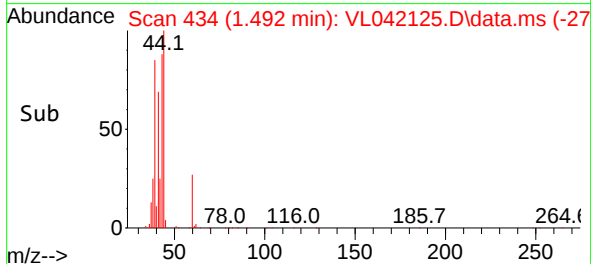
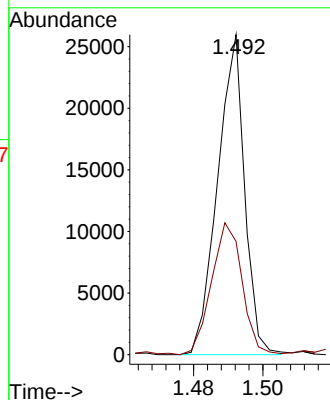
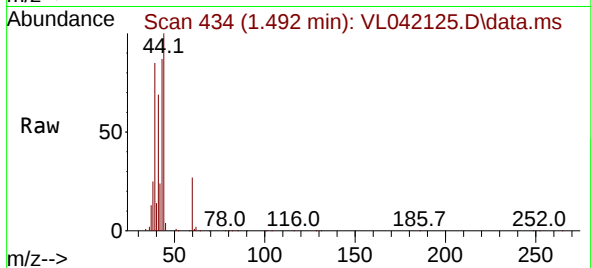
42 30.4 55.8 83.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/11/2025

Supervised By :Mahesh Dadoda 03/11/2025



#11

Trichlorofluoromethane

Concen: 0.247 ppbv

RT: 1.884 min Scan# 555

Delta R.T. -0.000 min

Lab File: VL042125.D

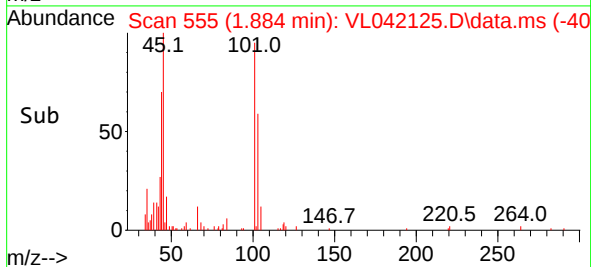
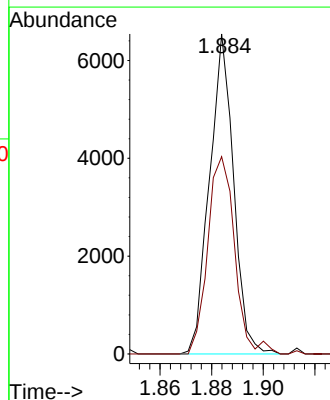
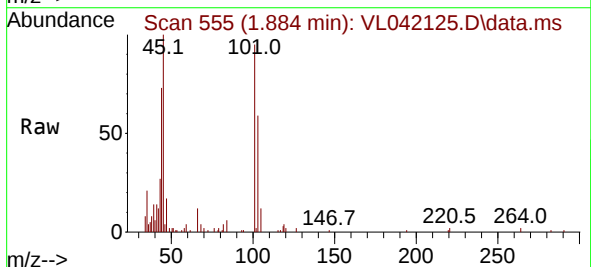
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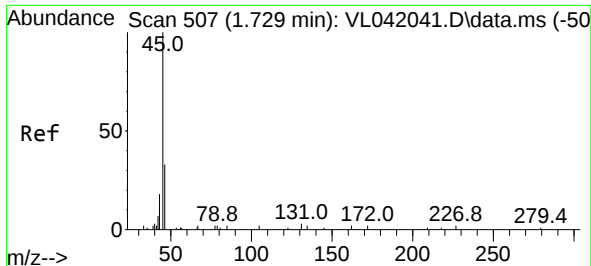
Tgt Ion:101 Resp: 4245

Ion Ratio Lower Upper

101 100

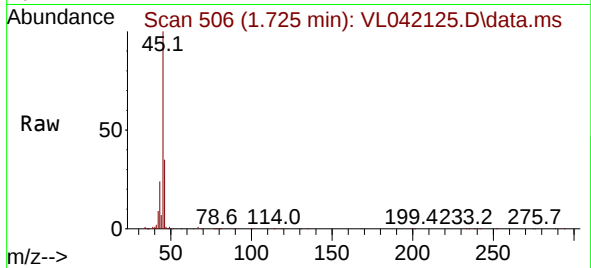
103 61.6 50.6 75.8





#13
Ethanol
Concen: 79.029 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.003 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

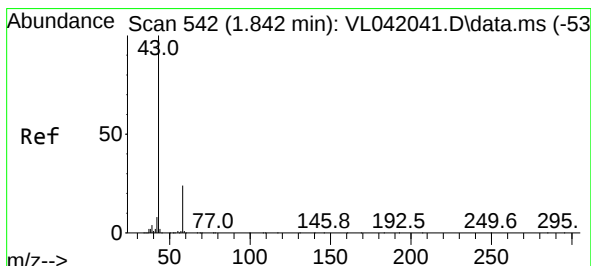
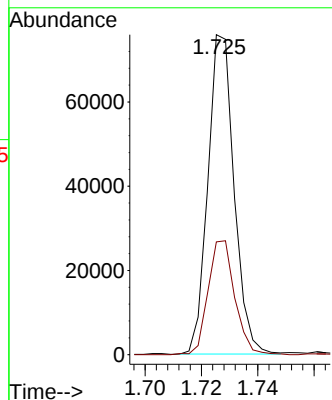
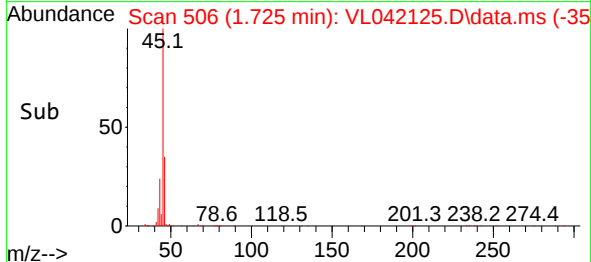
Instrument :
MSVOA_L
ClientSampleId :
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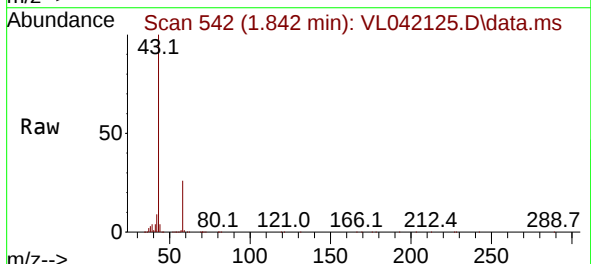
Tgt Ion: 45 Resp: 4906
Ion Ratio Lower Upper
45 100
46 36.6 17.1 68.3

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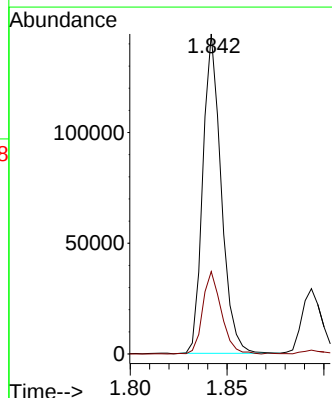
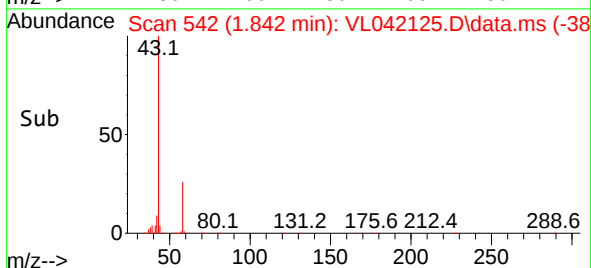
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

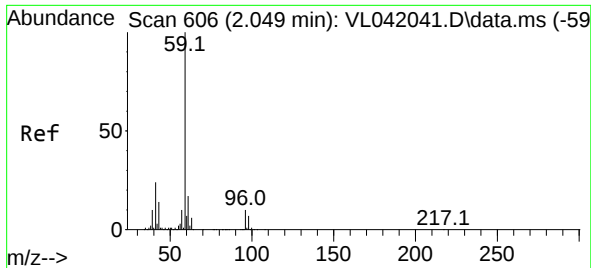


#15
Acetone
Concen: 6.534 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10



Tgt Ion: 43 Resp: 95309
Ion Ratio Lower Upper
43 100
58 26.2 20.7 31.1





#17

tert-Butyl alcohol

Concen: 0.135 ppbv m

RT: 2.052 min Scan# 606

Delta R.T. 0.003 min

Lab File: VL042125.D

Acq: 10 Mar 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

3

Tgt Ion: 59 Resp: 2468

Ion Ratio Lower Upper

59 100

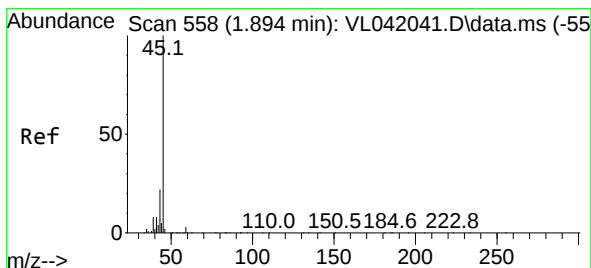
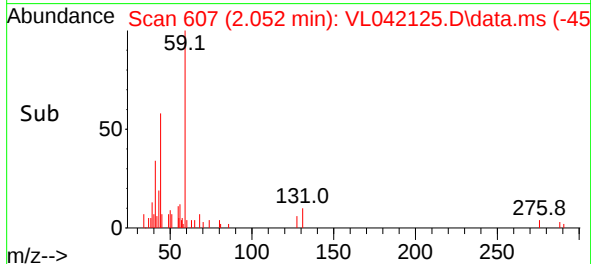
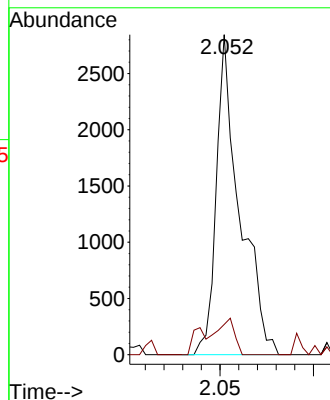
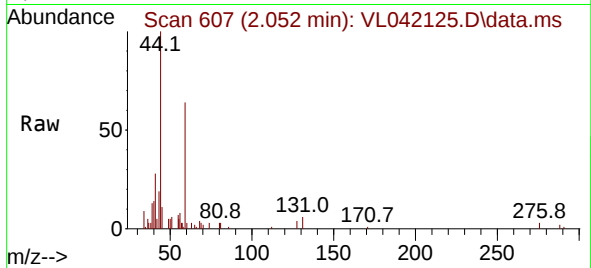
57 13.6 9.3 13.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/11/2025

Supervised By :Mahesh Dadoda 03/11/2025



#19

Isopropyl Alcohol

Concen: 9.598 ppbv

RT: 1.894 min Scan# 558

Delta R.T. -0.000 min

Lab File: VL042125.D

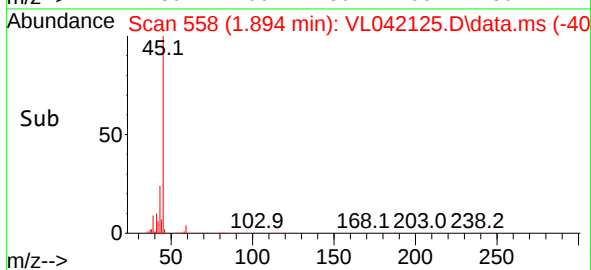
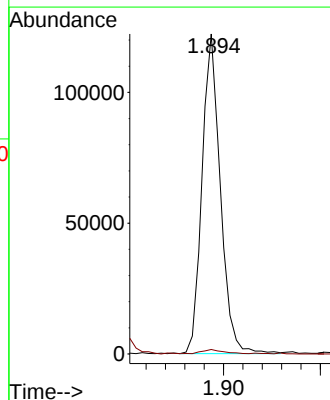
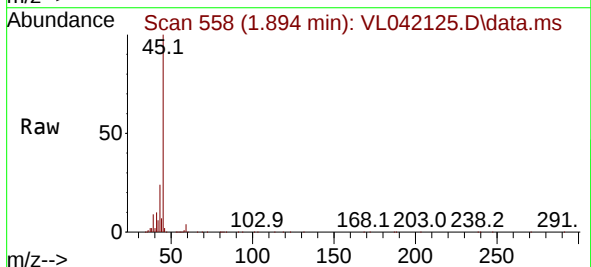
Acq: 10 Mar 2025 15:10

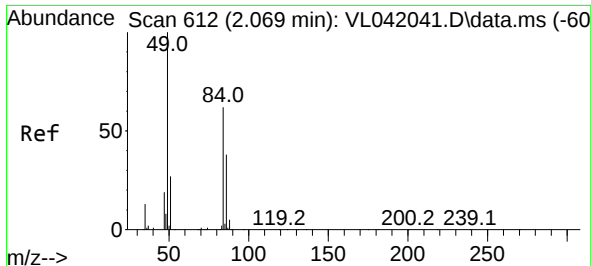
Tgt Ion: 45 Resp: 80421

Ion Ratio Lower Upper

45 100

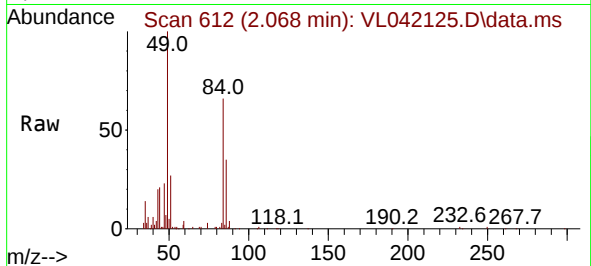
58 2.0 35.3 52.9#





#20
Methylene Chloride
Concen: 1.485 ppbv
RT: 2.068 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :
3

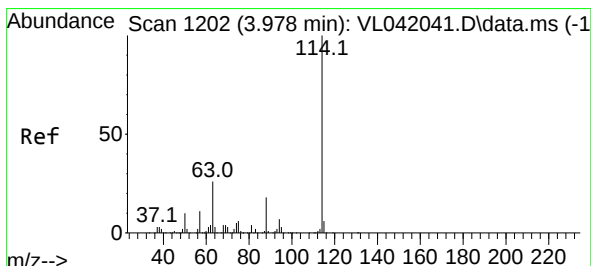
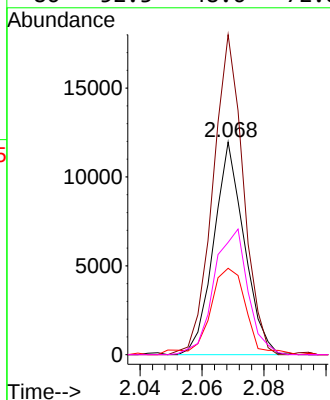
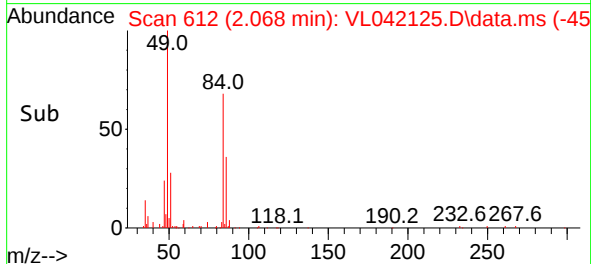


Tgt Ion: 84 Resp: 8194

Ion	Ratio	Lower	Upper
84	100		
49	150.4	130.0	195.0
51	38.6	37.4	56.0
86	52.3	48.6	72.8

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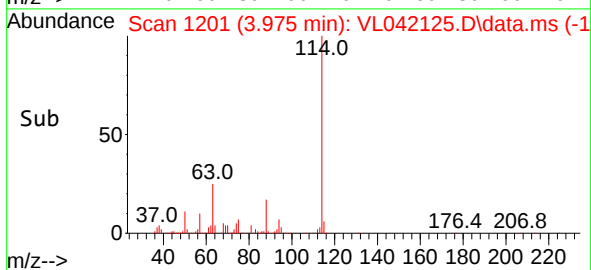
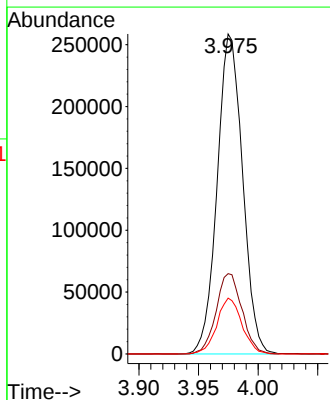
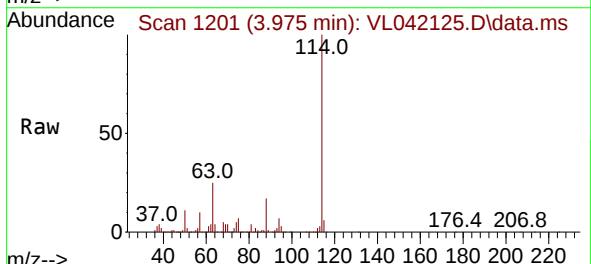
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

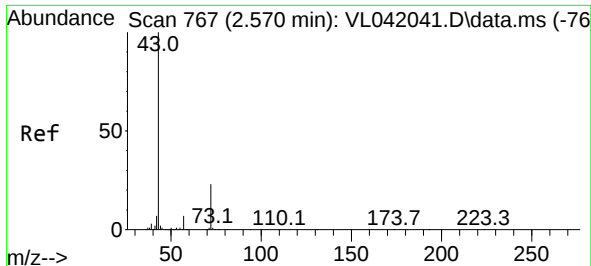


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.003 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Tgt Ion:114 Resp: 383076

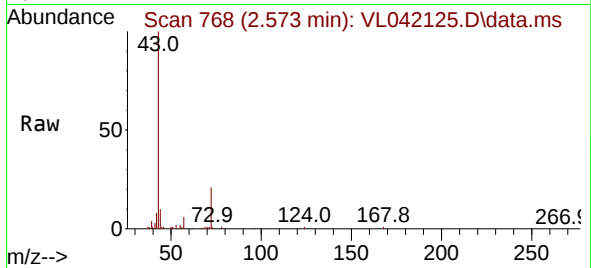
Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.1	30.1
88	17.2	14.3	21.5





#34
2-Butanone
Concen: 0.689 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.003 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

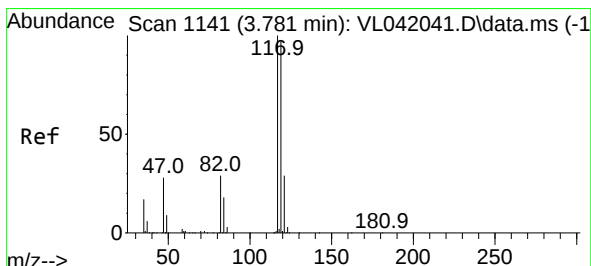
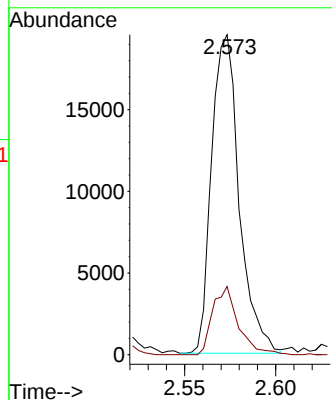
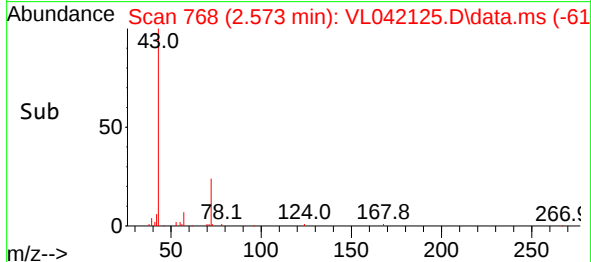
Instrument :
MSVOA_L
ClientSampleId :
3



Tgt Ion: 43 Resp: 2056
Ion Ratio Lower Upper
43 100
72 19.9 18.5 27.7

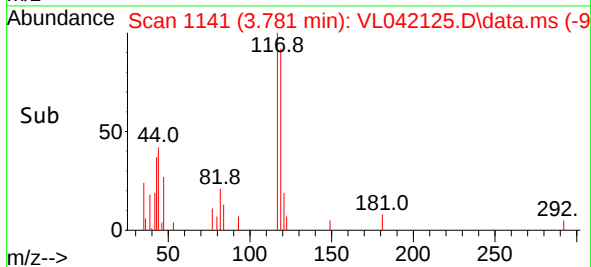
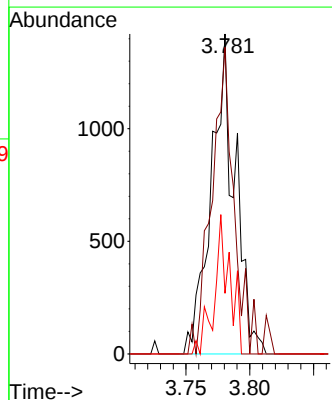
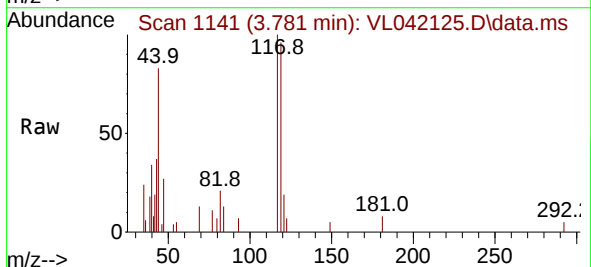
Manual Integrations
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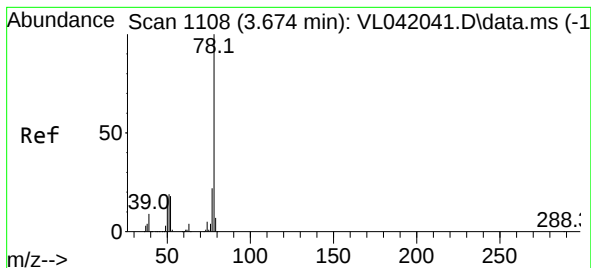
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 3.781 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

Tgt Ion:117 Resp: 1856
Ion Ratio Lower Upper
117 100
119 95.8 77.8 116.8
121 18.9 23.4 35.0#





#36

Benzene

Concen: 0.145 ppbv

RT: 3.671 min Scan# 1108

Delta R.T. -0.003 min

Lab File: VL042125.D

Acq: 10 Mar 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

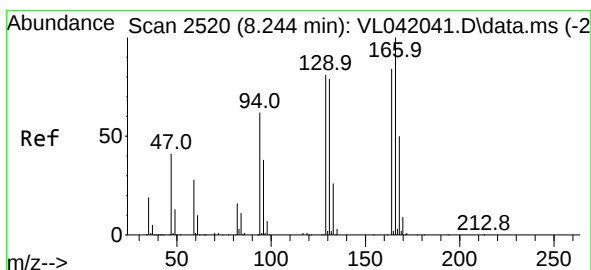
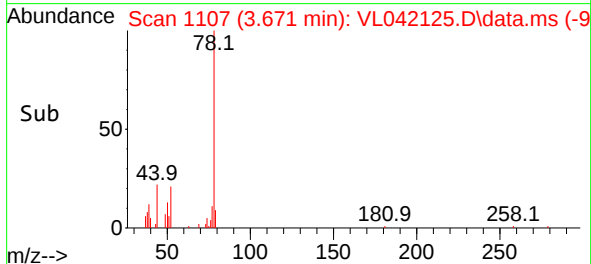
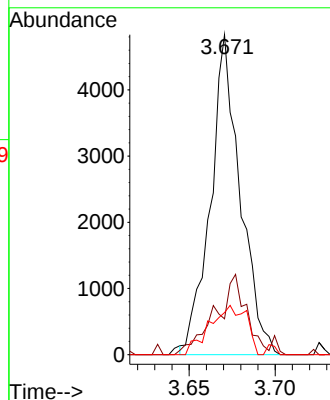
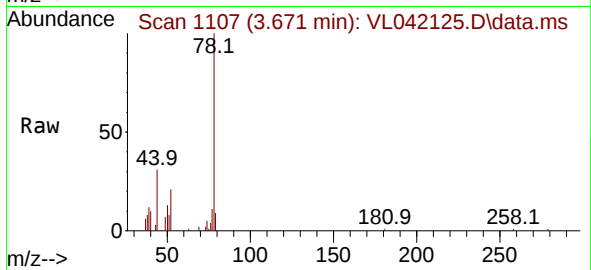
3

Tgt Ion:	78	Resp:	5810
Ion	Ratio	Lower	Upper
78	100		
77	10.1	17.7	26.5
50	13.1	13.9	20.9

Manual Integrations

APPROVED

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



#52

Tetrachloroethene

Concen: 0.068 ppbv m

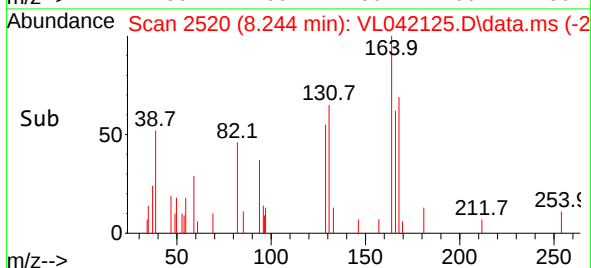
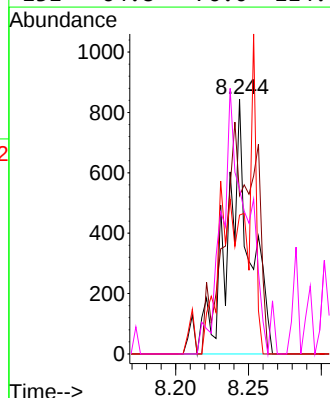
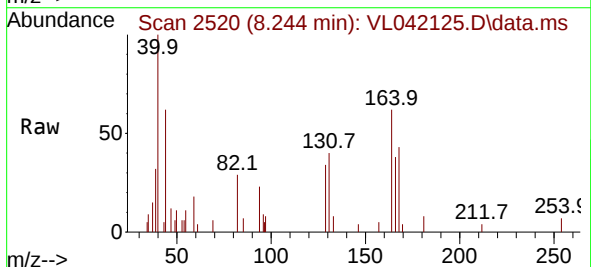
RT: 8.244 min Scan# 2520

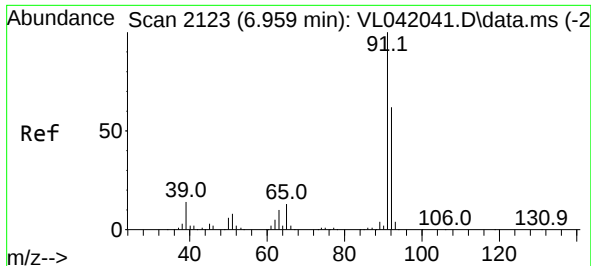
Delta R.T. -0.000 min

Lab File: VL042125.D

Acq: 10 Mar 2025 15:10

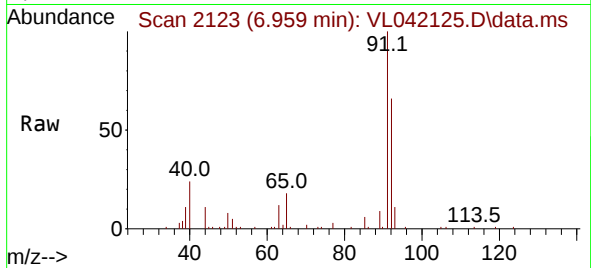
Tgt Ion:	164	Resp:	935
Ion	Ratio	Lower	Upper
164	100		
166	62.1	95.7	143.5
129	54.5	77.1	115.7
131	64.8	76.0	114.0





#53
Toluene
Concen: 0.378 ppbv
RT: 6.959 min Scan# 2123
Delta R.T. -0.000 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10

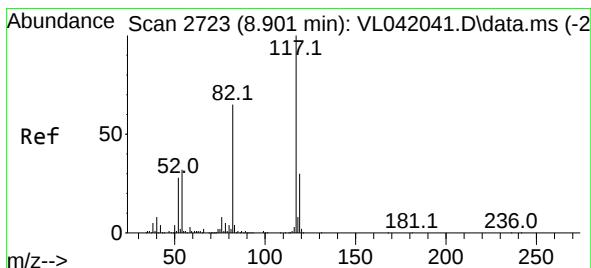
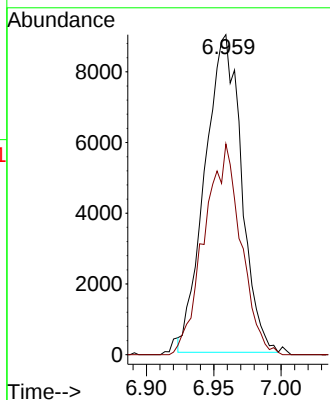
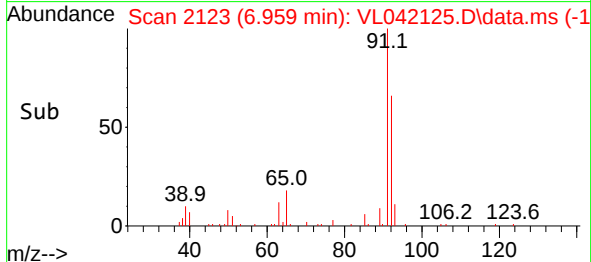
Instrument :
MSVOA_L
ClientSampleId :
3



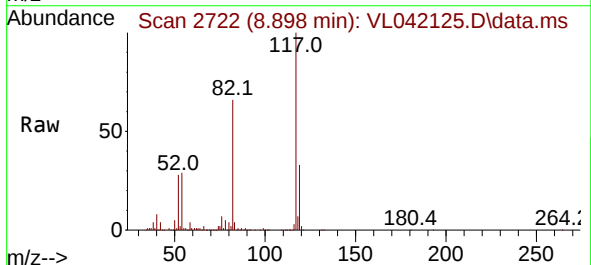
Tgt Ion: 91 Resp: 1694
Ion Ratio Lower Upper
91 100
92 66.4 49.0 73.6

Manual Integrations
APPROVED

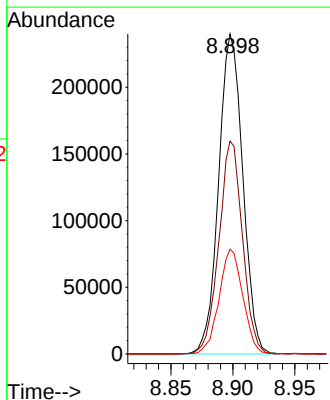
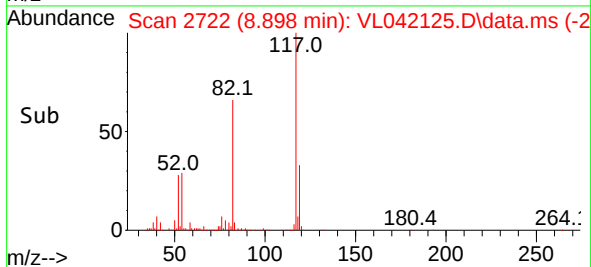
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

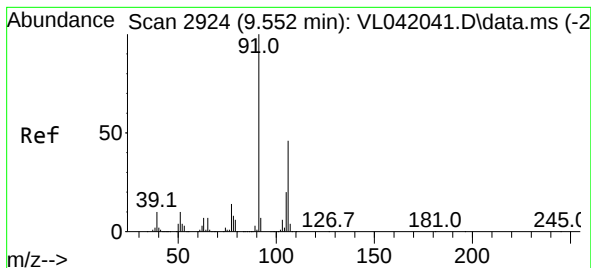


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042125.D
Acq: 10 Mar 2025 15:10



Tgt Ion:117 Resp: 325600
Ion Ratio Lower Upper
117 100
82 65.0 55.0 82.6
119 32.4 25.9 38.9





#59

m/p-Xylene

Concen: 0.274 ppbv m

RT: 9.545 min Scan# 2922

Delta R.T. -0.007 min

Lab File: VL042125.D

Acq: 10 Mar 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

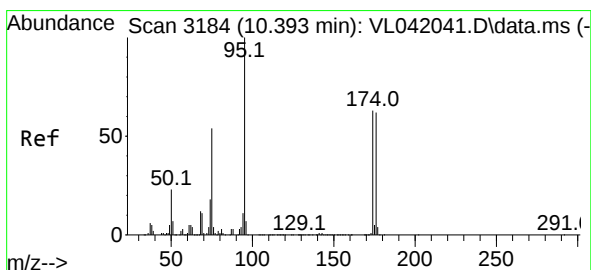
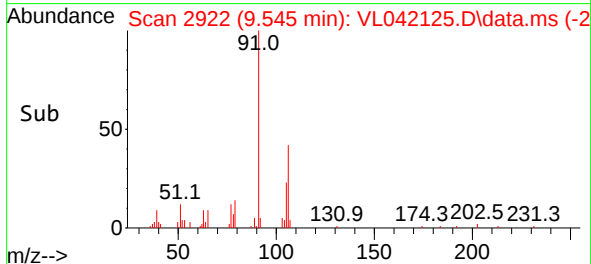
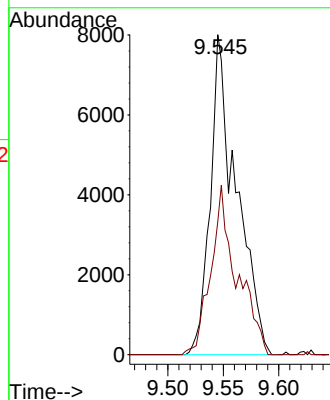
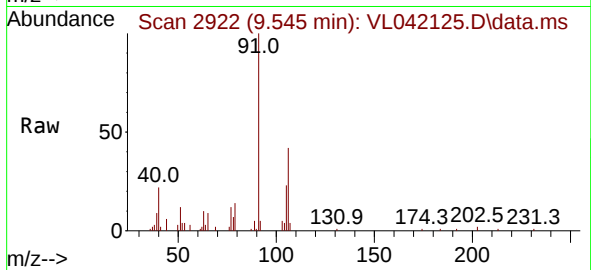
3

Tgt Ion: 91 Resp: 13078
 Ion Ratio Lower Upper
 91 100
 106 0.0 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: 10.288 ppbv

RT: 10.390 min Scan# 3183

Delta R.T. -0.003 min

Lab File: VL042125.D

Acq: 10 Mar 2025 15:10

Tgt Ion: 95 Resp: 257724
 Ion Ratio Lower Upper
 95 100
 174 63.7 51.8 77.6
 175 4.7 3.9 5.9

