

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051425\
 Data File : VL042539.D
 Acq On : 14 May 2025 12:40
 Operator : SY/MD
 Sample : Q2011-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:33:36 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue May 13 02:07:03 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	122046	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.965	114	349665	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	298337	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	247100	9.519	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	8382	0.423	ppbv	97
3) Chlorodifluoromethane	1.476	51	4056m	0.201	ppbv	
4) Chloromethane	1.534	50	4062	0.502	ppbv #	88
9) Propene	1.489	41	18933	4.323	ppbv #	1
11) Trichlorofluoromethane	1.881	101	3779	0.198	ppbv #	71
13) Ethanol	1.722	45	20881	17.724	ppbv	97
15) Acetone	1.835	43	760803	38.674	ppbv	100
19) Isopropyl Alcohol	1.891	45	20435	1.929	ppbv #	1
20) Methylene Chloride	2.065	84	3039	0.448	ppbv	89
26) Hexane	2.829	57	1584	0.113	ppbv #	68
34) 2-Butanone	2.564	43	8562	0.371	ppbv	97
35) Carbon Tetrachloride	3.768	117	2175m	0.069	ppbv	
36) Benzene	3.664	78	3668	0.118	ppbv #	86
53) Toluene	6.940	91	5095m	0.168	ppbv	
76) 1,4-Dichlorobenzene	11.678	146	45709	1.636	ppbv	97

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

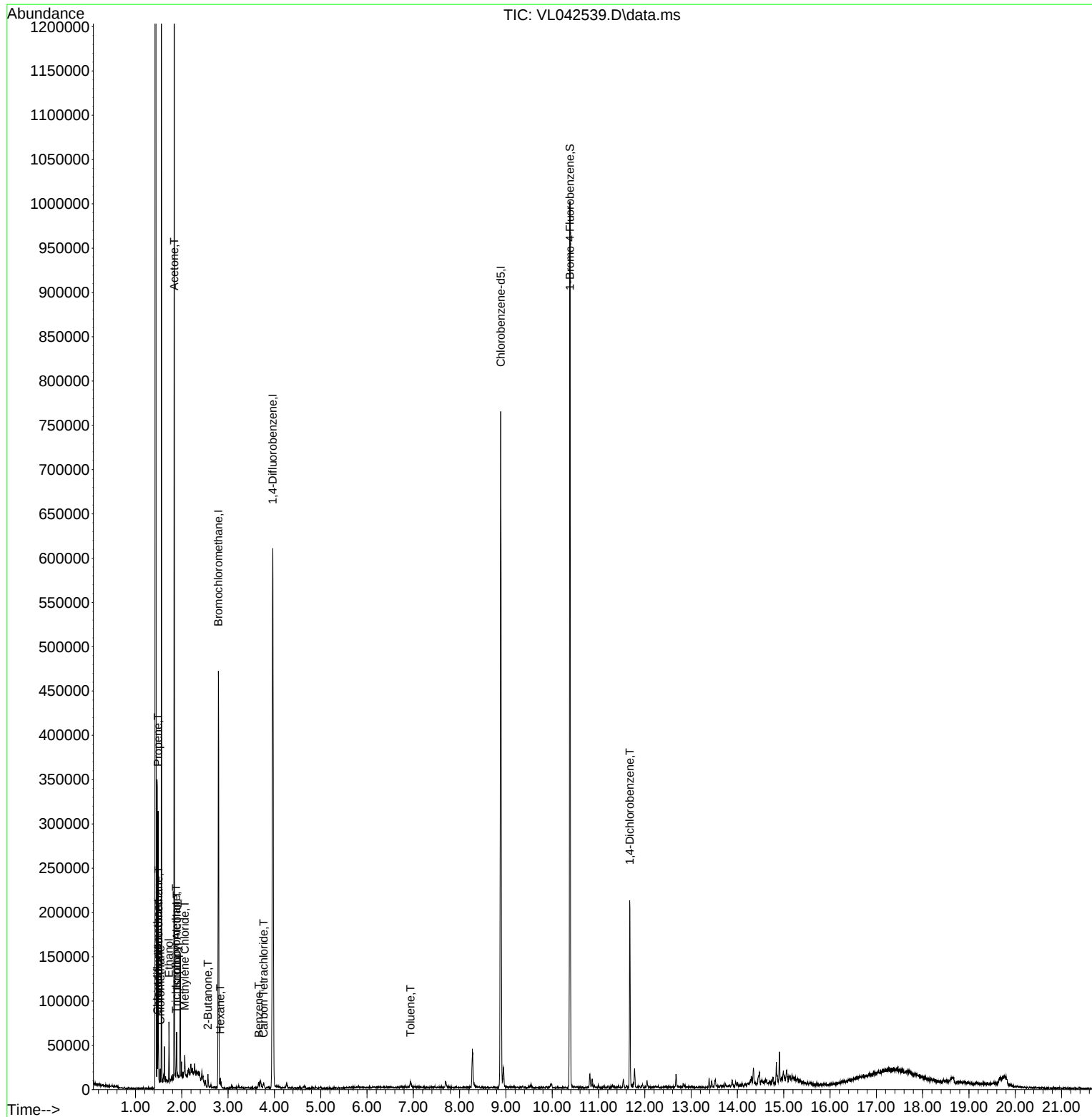
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051425\
Data File : VL042539.D
Acq On : 14 May 2025 12:40
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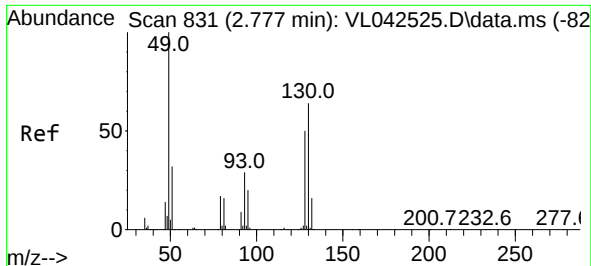
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: May 15 01:33:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue May 13 02:07:03 2025
Response via : Initial Calibration

Manual Integrations
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Supervised By : Mahesh Dadoda 05/15/2025





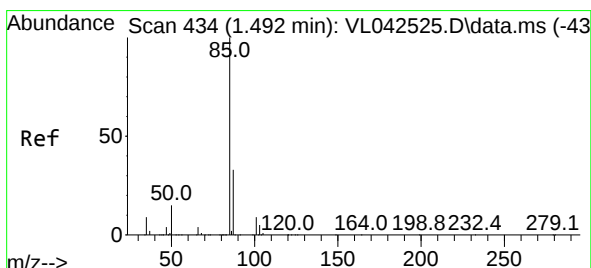
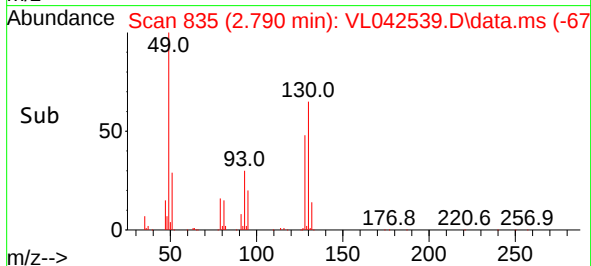
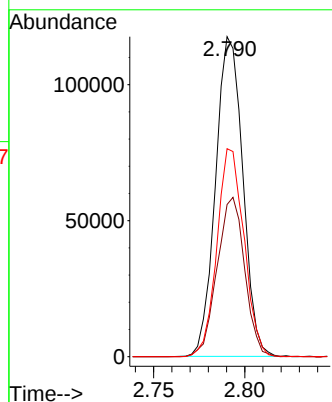
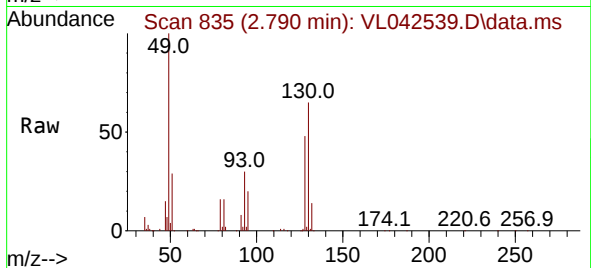
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042539.D
Acq: 14 May 2025 12:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 49 Resp: 122040
Ion Ratio Lower Upper
49 100
128 50.5 24.9 74.6
130 64.6 32.5 97.5

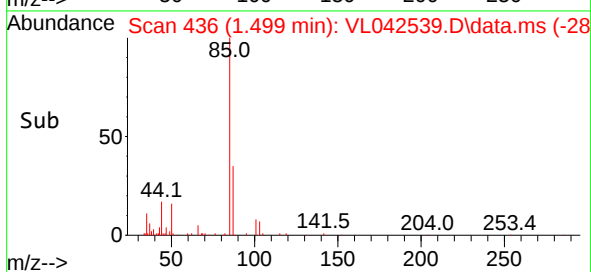
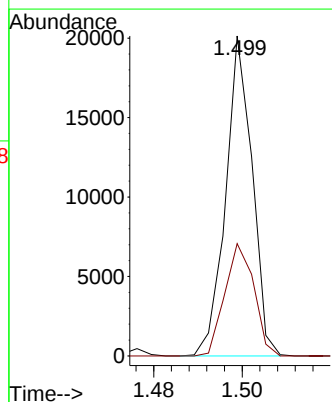
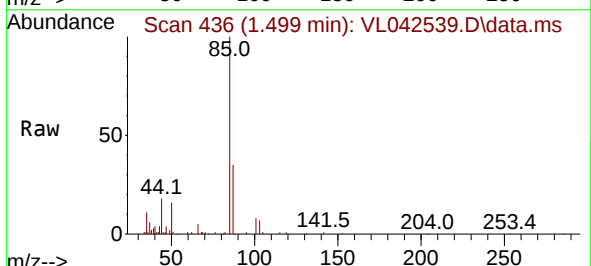
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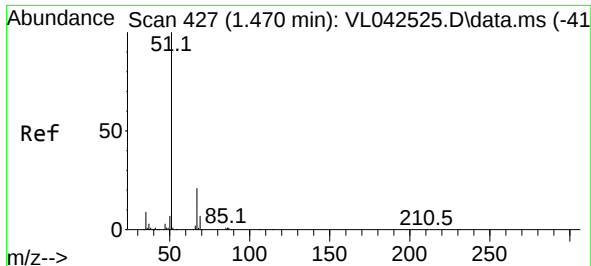
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#2
Dichlorodifluoromethane
Concen: 0.423 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.006 min
Lab File: VL042539.D
Acq: 14 May 2025 12:40

Tgt Ion: 85 Resp: 8382
Ion Ratio Lower Upper
85 100
87 35.1 26.8 40.2





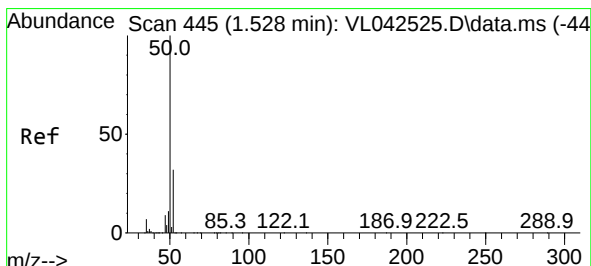
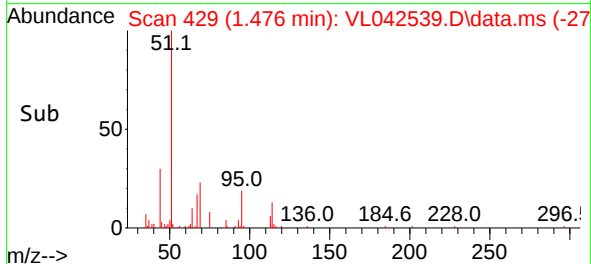
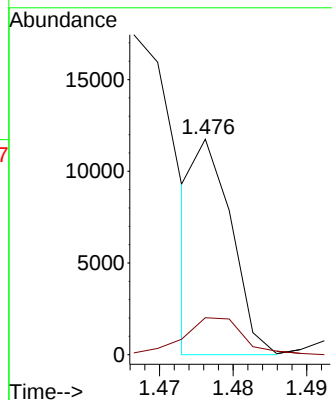
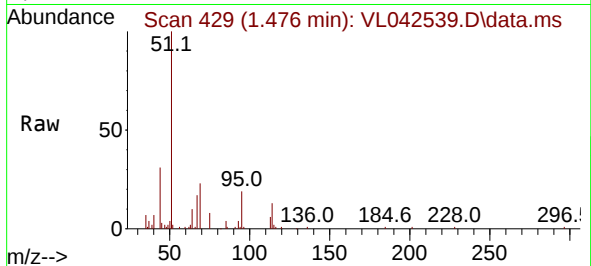
#3
Chlorodifluoromethane
Concen: 0.201 ppbv m
RT: 1.476 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL042539.D
Acq: 14 May 2025 12:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 4050
Ion Ratio Lower Upper
51 100
67 28.4 17.4 26.0

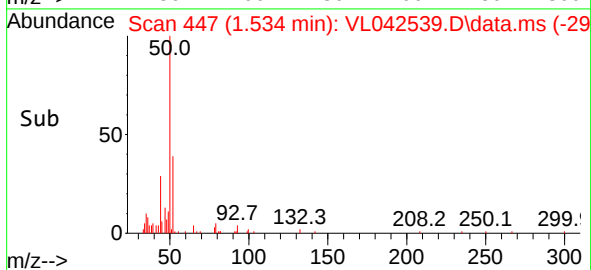
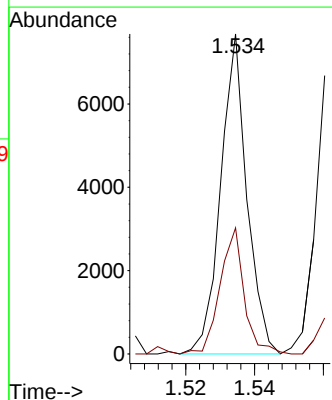
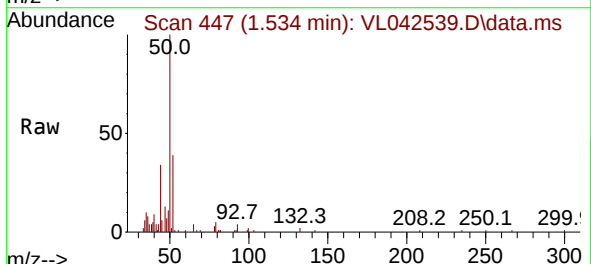
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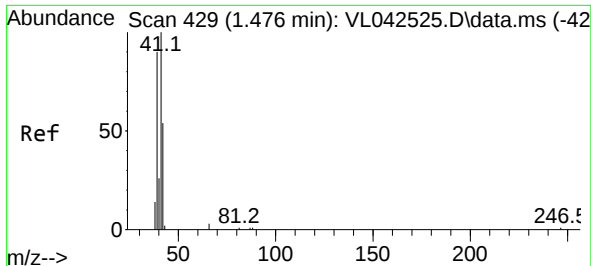
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#4
Chloromethane
Concen: 0.502 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.006 min
Lab File: VL042539.D
Acq: 14 May 2025 12:40

Tgt Ion: 50 Resp: 4062
Ion Ratio Lower Upper
50 100
52 39.4 25.9 38.9





#9

Propene

Concen: 4.323 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL042539.D

Acq: 14 May 2025 12:40

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 41 Resp: 1893

Ion Ratio Lower Upper

41 100

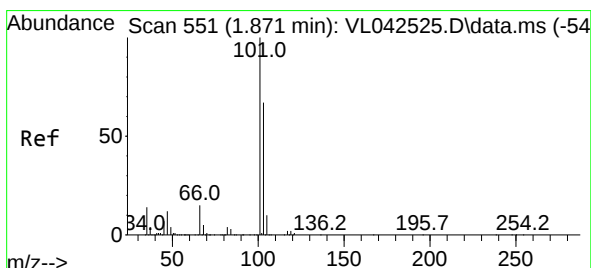
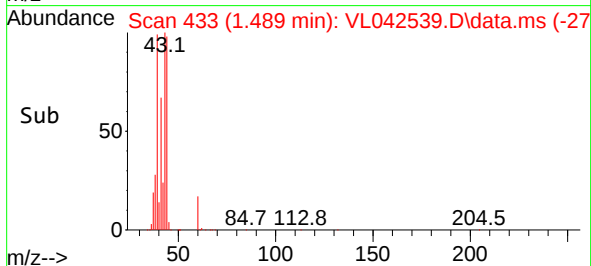
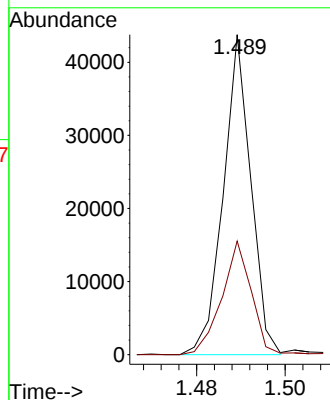
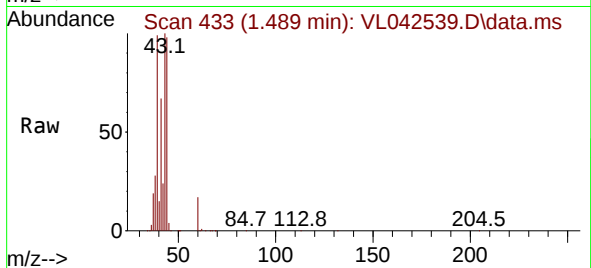
42 39.4 4.1 6.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/15/2025

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#11

Trichlorofluoromethane

Concen: 0.198 ppbv

RT: 1.881 min Scan# 554

Delta R.T. 0.010 min

Lab File: VL042539.D

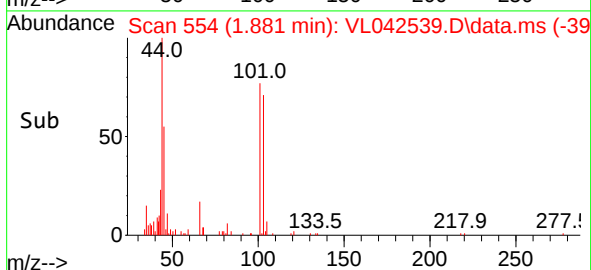
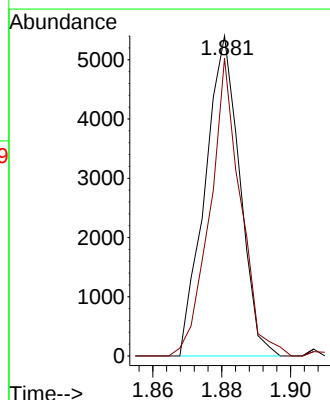
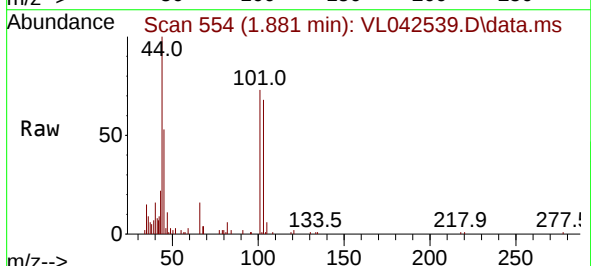
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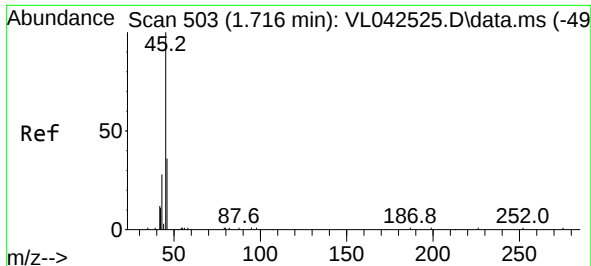
Tgt Ion:101 Resp: 3779

Ion Ratio Lower Upper

101 100

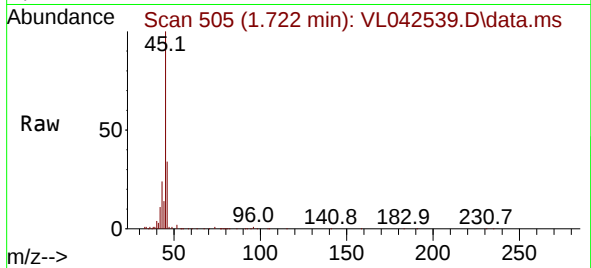
103 90.6 53.8 80.6





#13
Ethanol
Concen: 17.724 ppbv
RT: 1.722 min Scan# 503
Delta R.T. 0.006 min
Lab File: VL042539.D
Acq: 14 May 2025 12:40

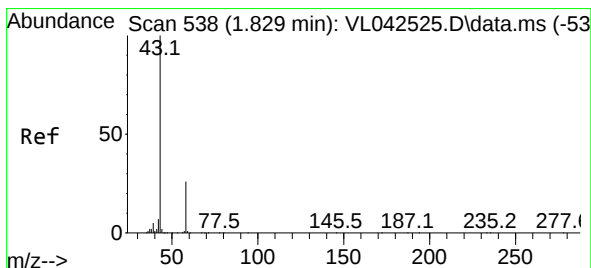
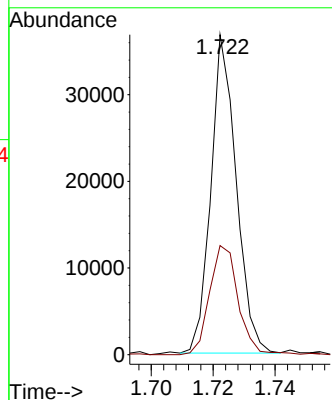
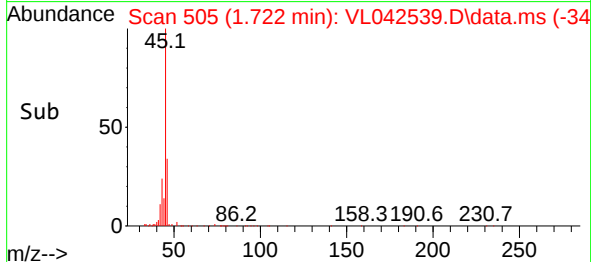
Instrument :
MSVOA_L
ClientSampleId :
IA1



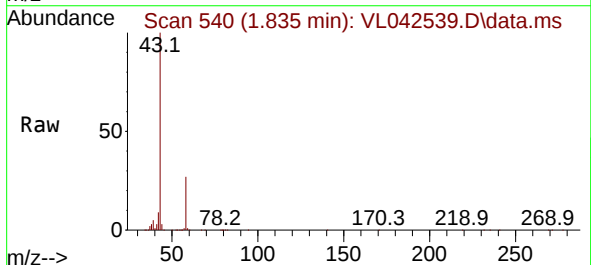
Tgt Ion: 45 Resp: 2088
Ion Ratio Lower Upper
45 100
46 39.2 14.8 59.4

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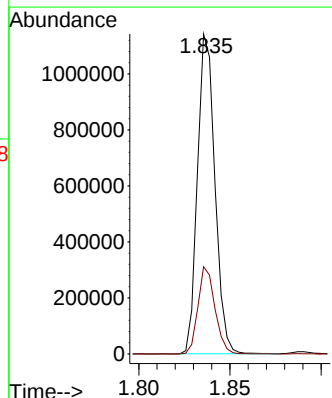
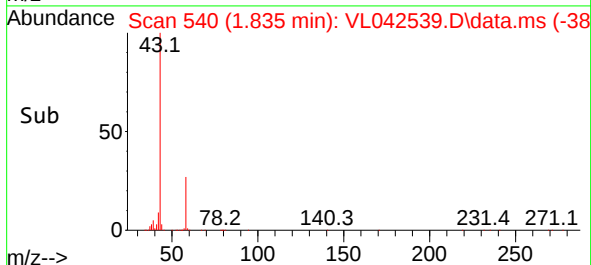
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

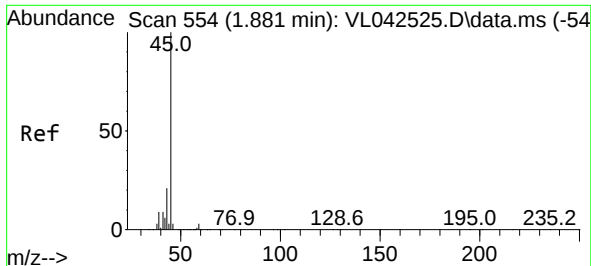


#15
Acetone
Concen: 38.674 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.006 min
Lab File: VL042539.D
Acq: 14 May 2025 12:40



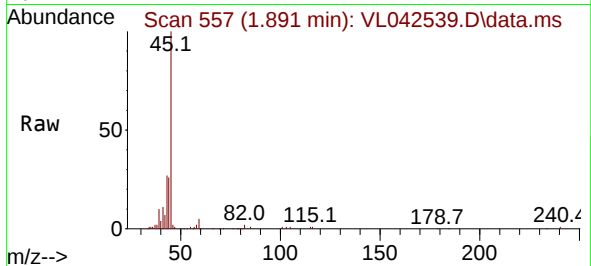
Tgt Ion: 43 Resp: 760803
Ion Ratio Lower Upper
43 100
58 26.5 21.3 31.9





#19
Isopropyl Alcohol
Concen: 1.929 ppbv
RT: 1.891 min Scan# 511
Delta R.T. 0.010 min
Lab File: VL042539.D
Acq: 14 May 2025 12:40

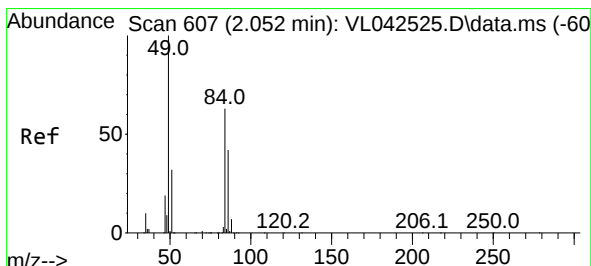
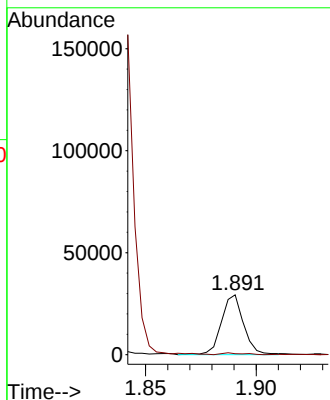
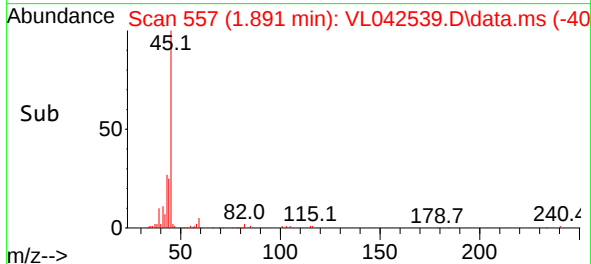
Instrument :
MSVOA_L
ClientSampleId :
IA1



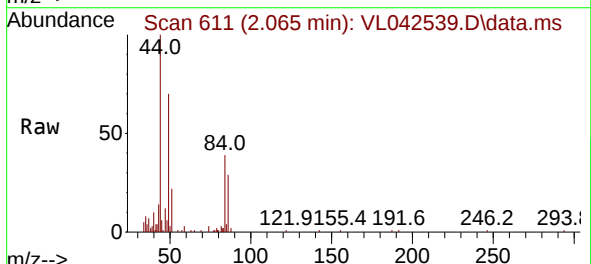
Tgt Ion: 45 Resp: 2043
Ion Ratio Lower Upper
45 100
58 991.3 1.5 2.3

Manual Integrations
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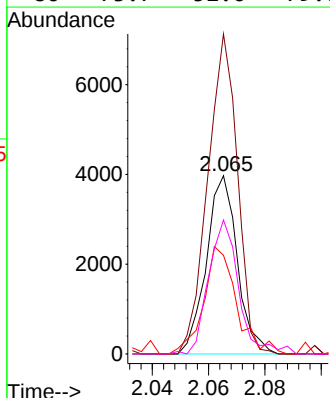
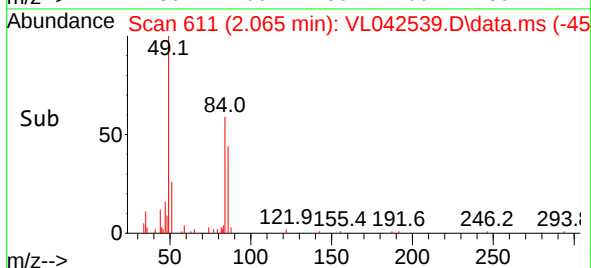
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

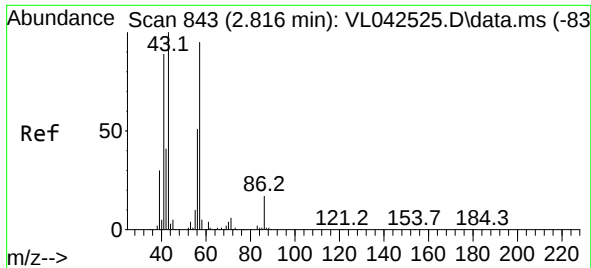


#20
Methylene Chloride
Concen: 0.448 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.013 min
Lab File: VL042539.D
Acq: 14 May 2025 12:40



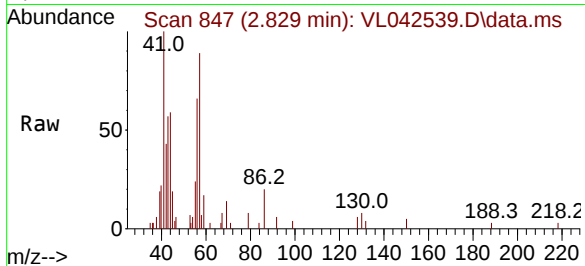
Tgt Ion: 84 Resp: 3039
Ion Ratio Lower Upper
84 100
49 179.6 128.2 192.4
51 53.6 41.7 62.5
86 73.7 52.6 79.0





#26
Hexane
Concen: 0.113 ppbv
RT: 2.829 min Scan# 843
Delta R.T. 0.013 min
Lab File: VL042539.D
Acq: 14 May 2025 12:40

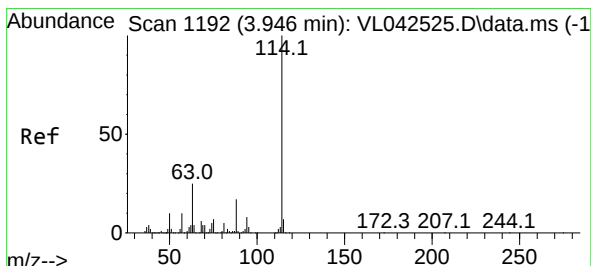
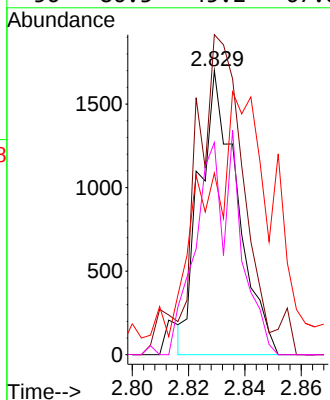
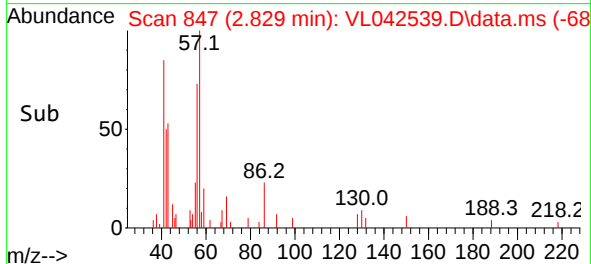
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 57 Resp: 1584
Ion Ratio Lower Upper
57 100
41 146.5 76.1 114.1
43 201.0 188.9 283.3
56 86.3 45.2 67.8#

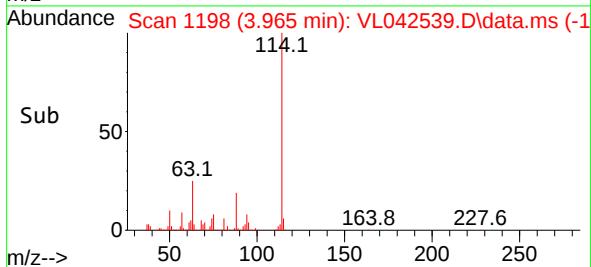
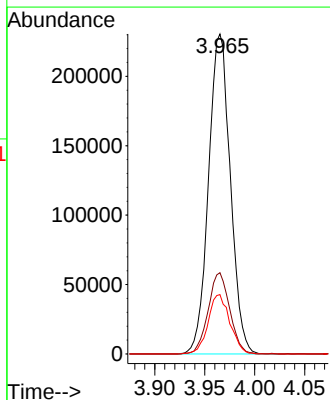
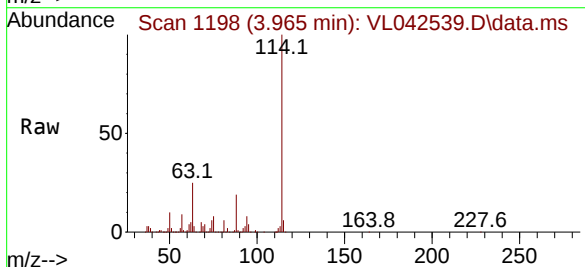
Manual Integrations
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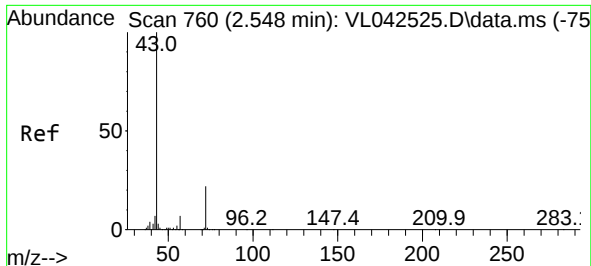
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.019 min
Lab File: VL042539.D
Acq: 14 May 2025 12:40

Tgt Ion:114 Resp: 349665
Ion Ratio Lower Upper
114 100
63 25.2 20.4 30.6
88 18.6 14.5 21.7





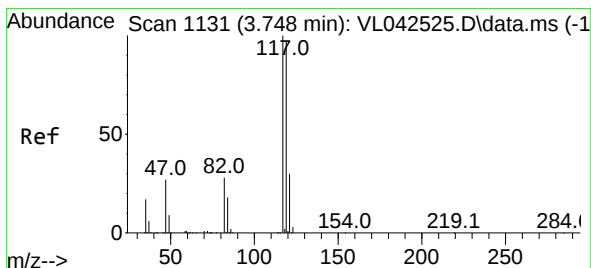
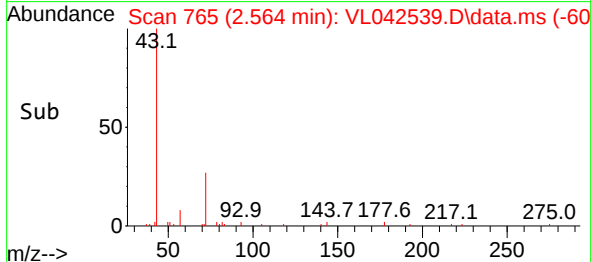
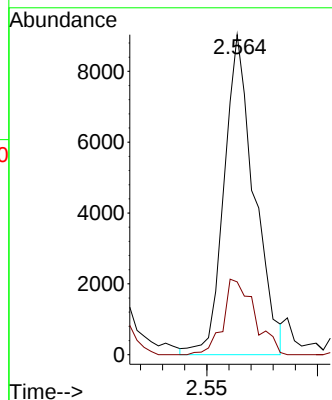
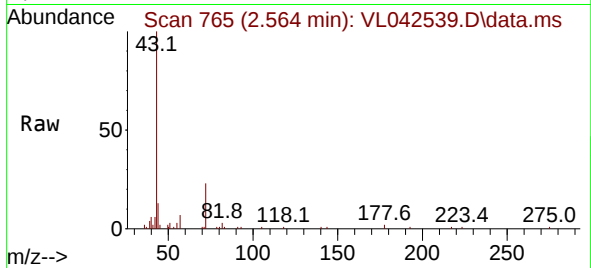
#34
2-Butanone
Concen: 0.371 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.016 min
Lab File: VL042539.D
Acq: 14 May 2025 12:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 856
Ion Ratio Lower Upper
43 100
72 24.7 18.7 28.1

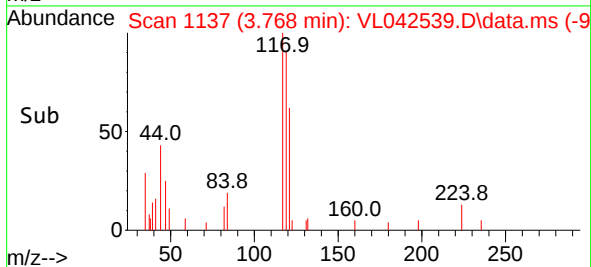
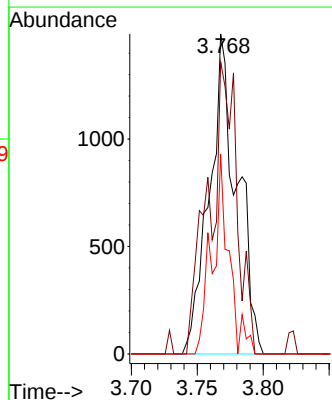
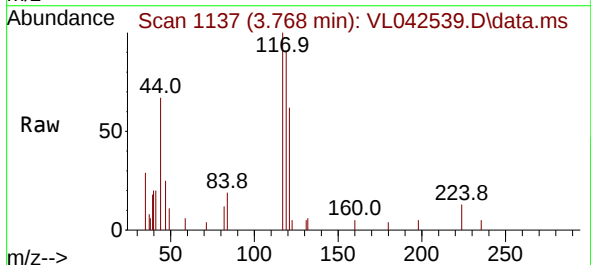
Manual Integrations
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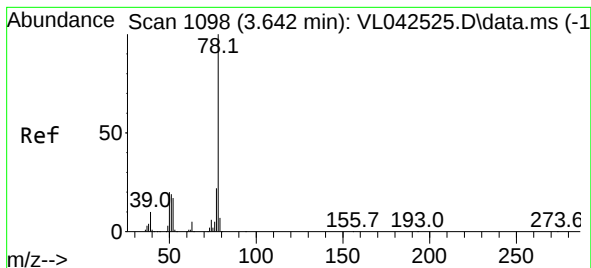
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 3.768 min Scan# 1137
Delta R.T. 0.019 min
Lab File: VL042539.D
Acq: 14 May 2025 12:40

Tgt Ion:117 Resp: 2175
Ion Ratio Lower Upper
117 100
119 91.3 77.7 116.5
121 62.5 24.0 36.0#





#36

Benzene

Concen: 0.118 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.023 min

Lab File: VL042539.D

Acq: 14 May 2025 12:40

Instrument :

MSVOA_L

ClientSampleId :

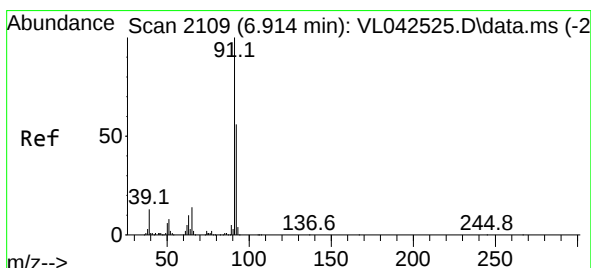
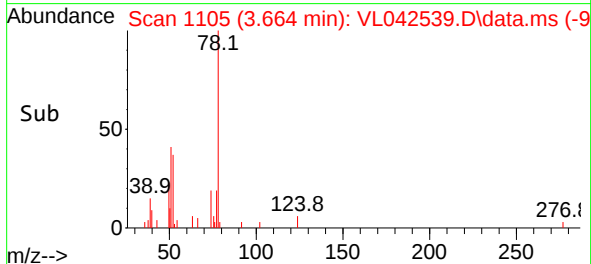
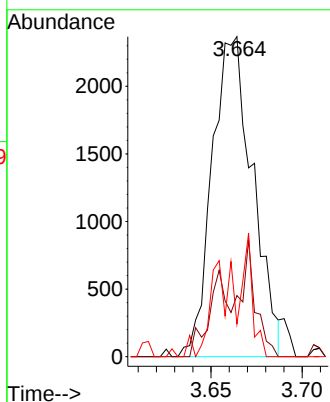
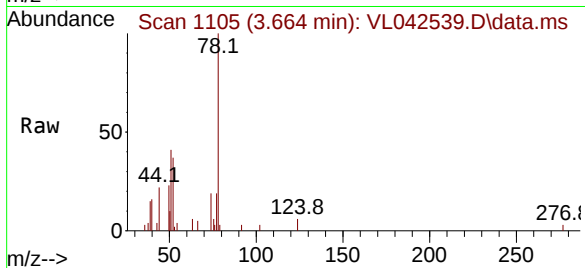
IA1

Tgt Ion: 78	Resp: 366
Ion Ratio	Lower Upper
78 100	
77 19.1	17.4 26.2
50 10.2	16.3 24.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#53

Toluene

Concen: 0.168 ppbv m

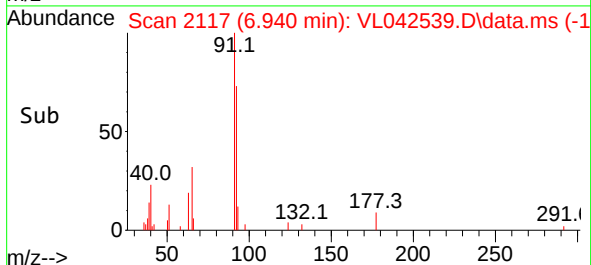
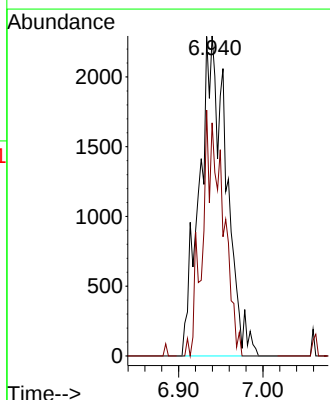
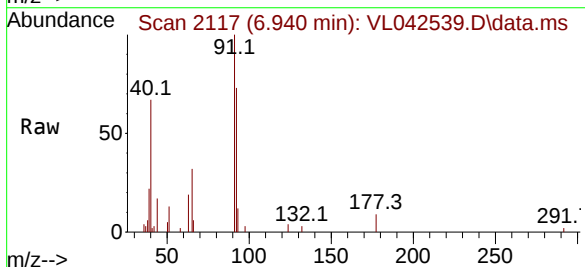
RT: 6.940 min Scan# 2117

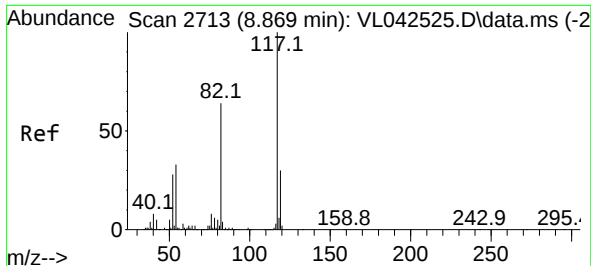
Delta R.T. 0.026 min

Lab File: VL042539.D

Acq: 14 May 2025 12:40

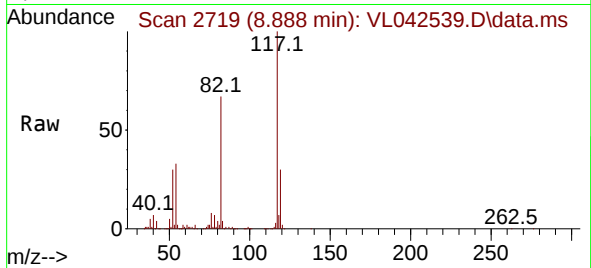
Tgt Ion: 91	Resp: 5095
Ion Ratio	Lower Upper
91 100	
92 0.0	47.8 71.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.019 min
Lab File: VL042539.D
Acq: 14 May 2025 12:40

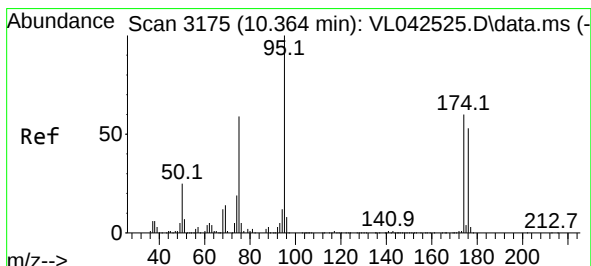
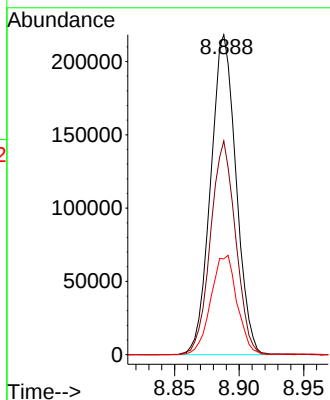
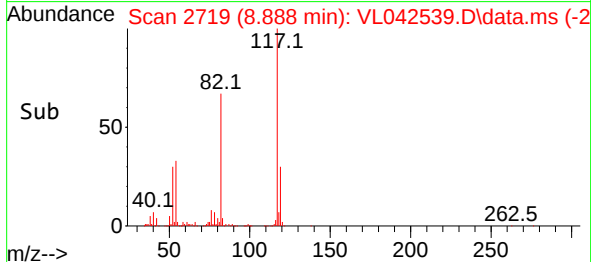
Instrument :
MSVOA_L
ClientSampleId :
IA1



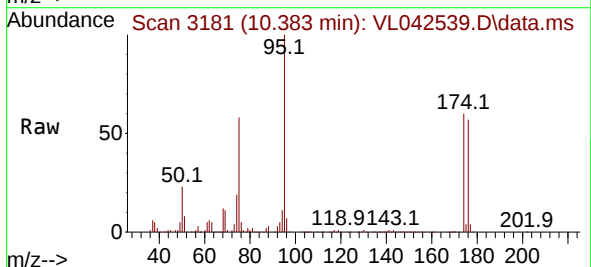
Tgt Ion: 117 Resp: 29833
Ion Ratio Lower Upper
117 100
82 66.2 55.0 82.4
119 32.1 25.8 38.6

Manual Integrations
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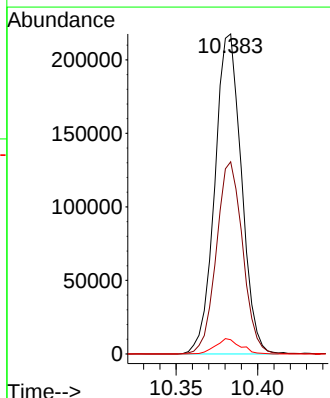
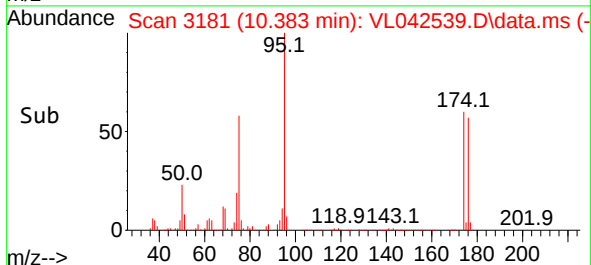
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

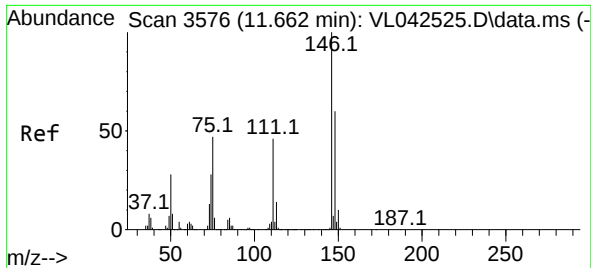


#68
1-Bromo-4-Fluorobenzene
Concen: 9.519 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.019 min
Lab File: VL042539.D
Acq: 14 May 2025 12:40



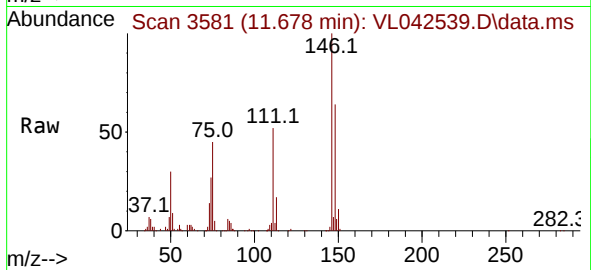
Tgt Ion: 95 Resp: 247100
Ion Ratio Lower Upper
95 100
174 59.4 48.0 72.0
175 4.5 3.5 5.3





#76
 1,4-Dichlorobenzene
 Concen: 1.636 ppbv
 RT: 11.678 min Scan# 3581
 Delta R.T. 0.016 min
 Lab File: VL042539.D
 Acq: 14 May 2025 12:40

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion:146 Resp: 45709
 Ion Ratio Lower Upper
 146 100
 111 49.0 23.4 70.3
 148 66.0 31.6 94.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025

