

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042454.D
 Acq On : 29 Apr 2025 19:57
 Operator : SY/MD
 Sample : Q1908-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025

Quant Time: Apr 30 01:25:05 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	114972	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	297262	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	249799	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	227429	11.079	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	8835	0.435	ppbv	98
3) Chlorodifluoromethane	1.476	51	5030m	0.260	ppbv	
4) Chloromethane	1.534	50	2990	0.372	ppbv #	79
9) Propene	1.489	41	1876	0.213	ppbv	93
11) Trichlorofluoromethane	1.881	101	4240m	0.219	ppbv	
13) Ethanol	1.725	45	13819	9.870	ppbv	78
15) Acetone	1.839	43	204657	10.874	ppbv	95
19) Isopropyl Alcohol	1.890	45	15228	1.456	ppbv #	1
20) Methylene Chloride	2.065	84	4181	0.567	ppbv	93
26) Hexane	2.832	57	6028	0.321	ppbv #	57
34) 2-Butanone	2.567	43	52901	2.250	ppbv	99
35) Carbon Tetrachloride	3.774	117	1621m	0.060	ppbv	
52) Tetrachloroethene	8.231	164	629m	0.051	ppbv	
53) Toluene	6.946	91	4818m	0.125	ppbv	
74) 1,2,4-Trimethylbenzene	11.542	105	5541	0.109	ppbv #	70

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

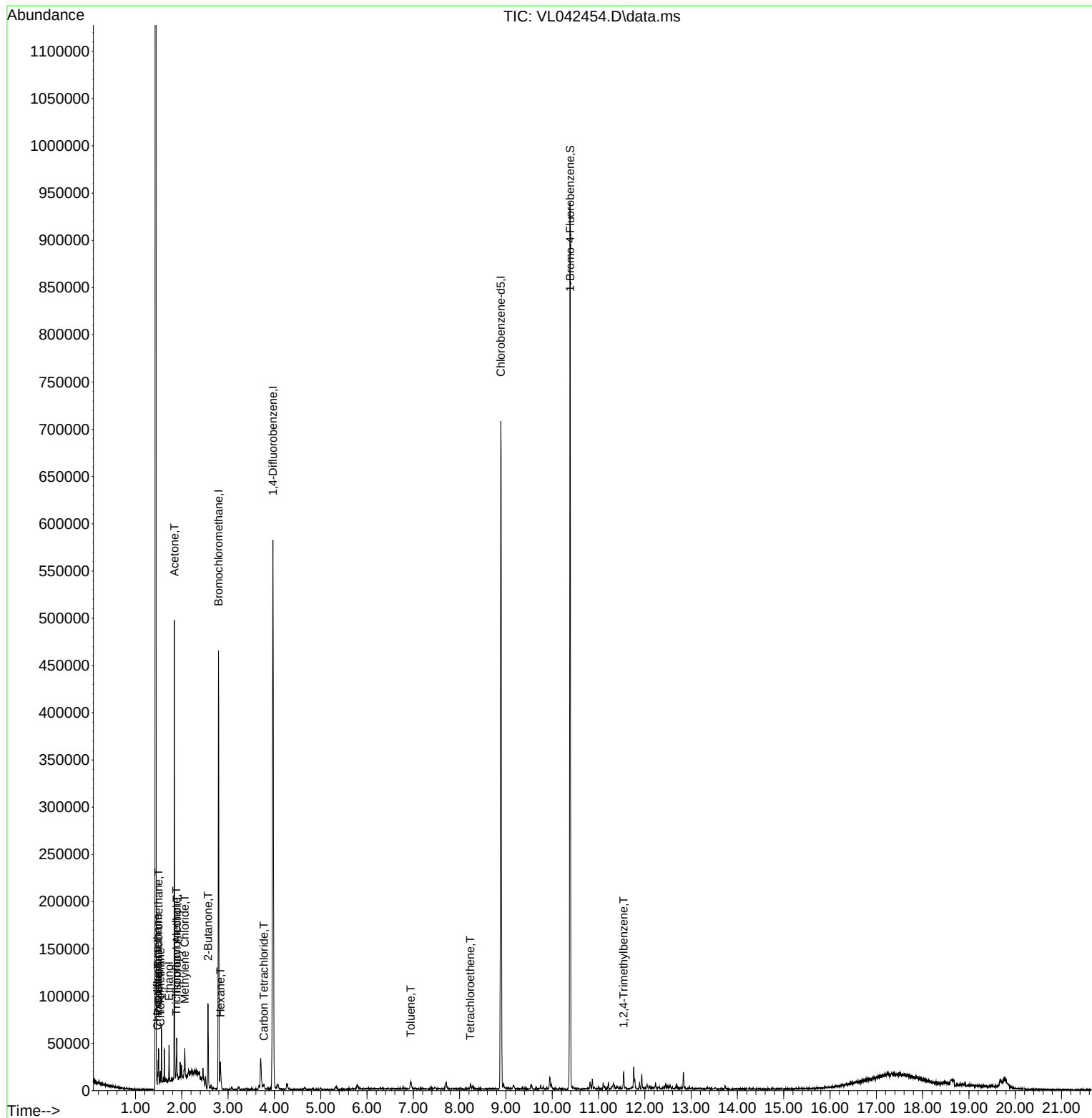
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042454.D
Acq On : 29 Apr 2025 19:57
Operator : SY/MD
Sample : Q1908-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 15 Sample Multiplier: 1

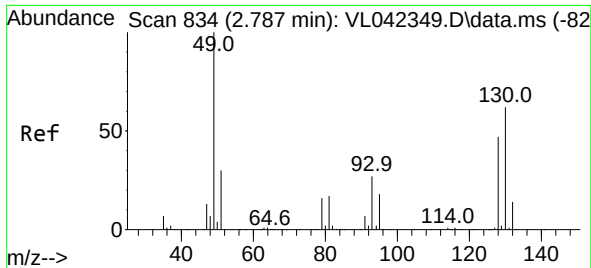
Instrument :
MSVOA_L
ClientSampleId :
B-1DUP

Quant Time: Apr 30 01:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

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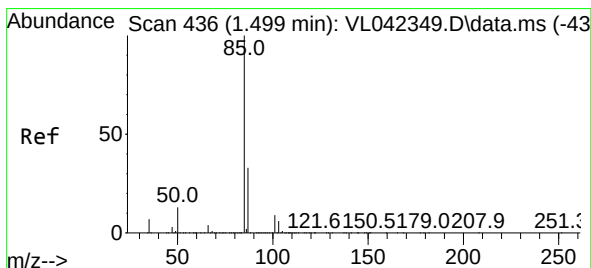
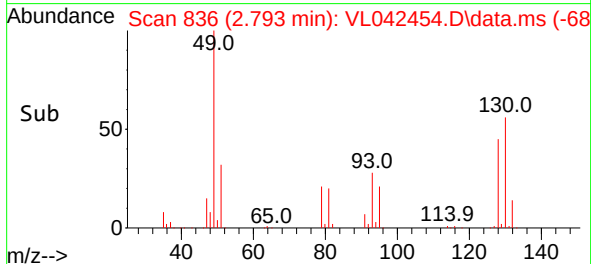
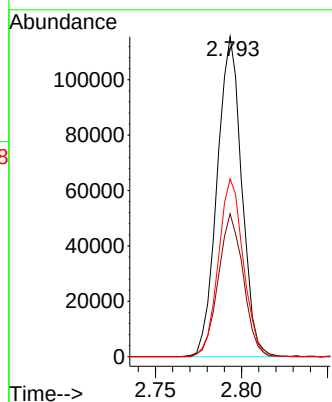
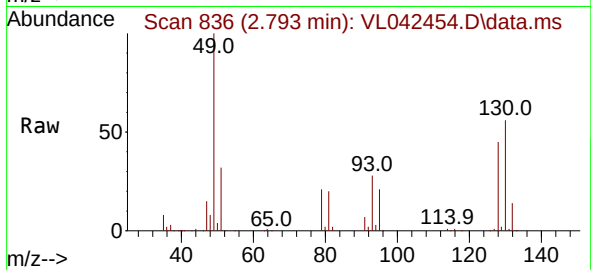
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042454.D
Acq: 29 Apr 2025 19:57

Instrument :
MSVOA_L
ClientSampleId :
B-1DUP

Tgt Ion: 49 Resp: 114972
Ion Ratio Lower Upper
49 100
128 45.3 22.8 68.4
130 56.2 29.3 88.0

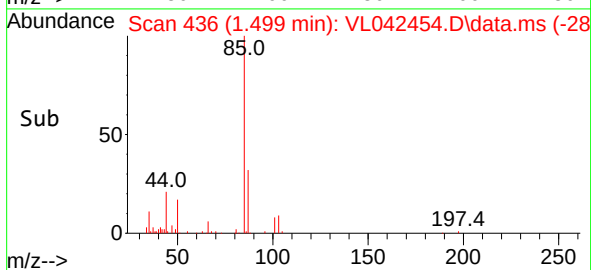
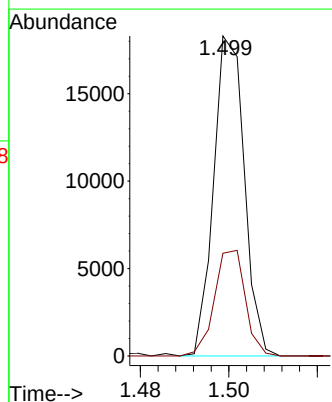
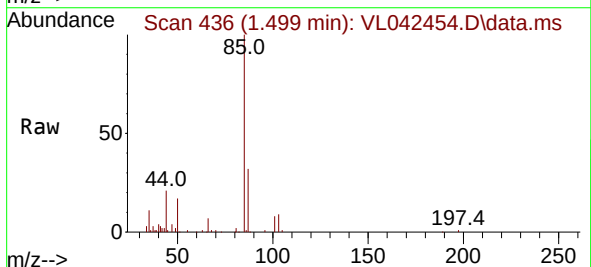
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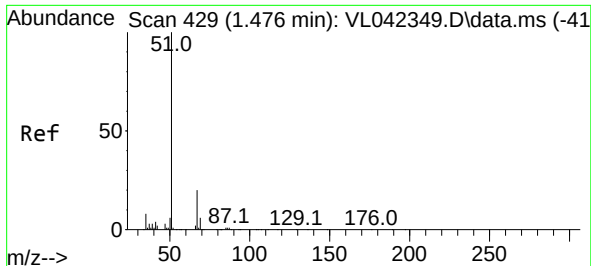
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#2
Dichlorodifluoromethane
Concen: 0.435 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042454.D
Acq: 29 Apr 2025 19:57

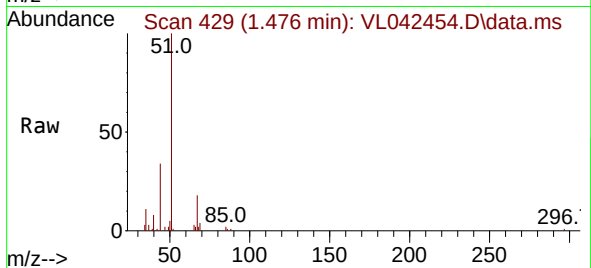
Tgt Ion: 85 Resp: 8835
Ion Ratio Lower Upper
85 100
87 32.1 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.260 ppbv m
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042454.D
Acq: 29 Apr 2025 19:57

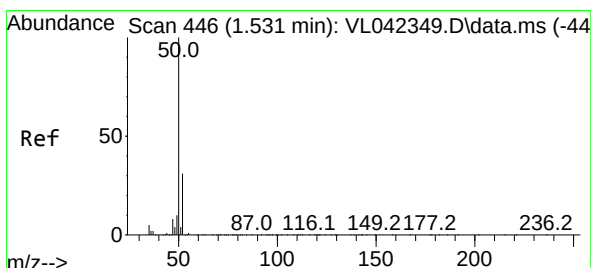
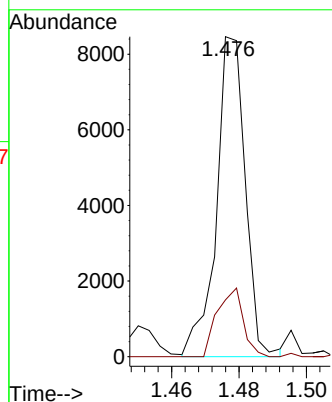
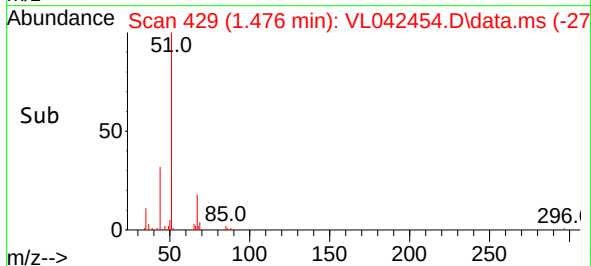
Instrument :
MSVOA_L
ClientSampleId :
B-1DUP



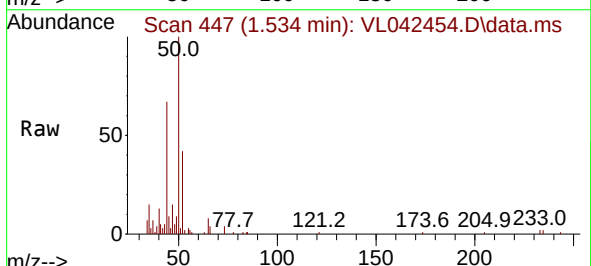
Tgt Ion: 51 Resp: 5030
Ion Ratio Lower Upper
51 100
67 19.6 16.2 24.4

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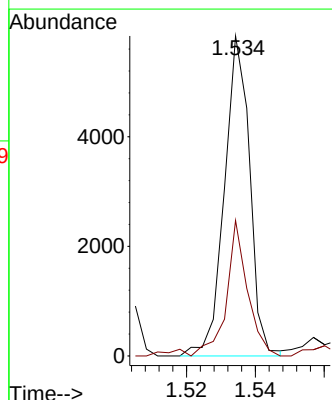
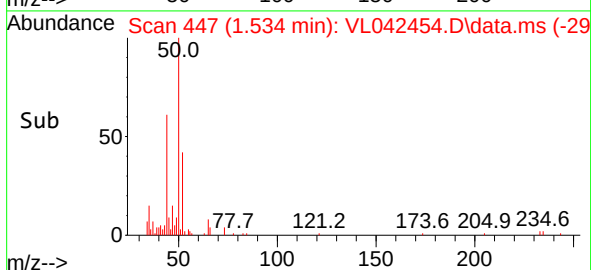
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

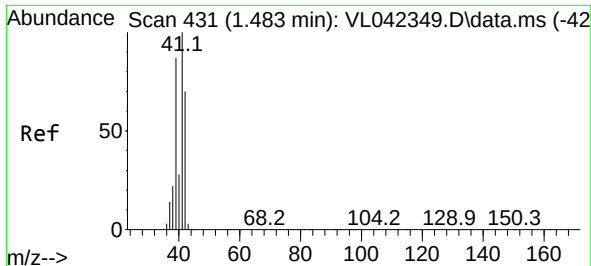


#4
Chloromethane
Concen: 0.372 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042454.D
Acq: 29 Apr 2025 19:57



Tgt Ion: 50 Resp: 2990
Ion Ratio Lower Upper
50 100
52 42.4 24.7 37.1#





#9

Propene

Concen: 0.213 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042454.D

Acq: 29 Apr 2025 19:57

Instrument :

MSVOA_L

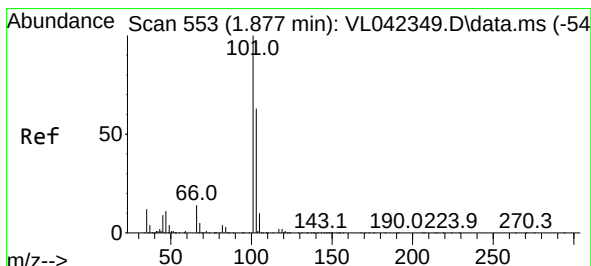
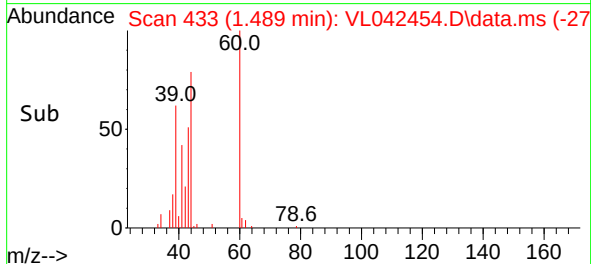
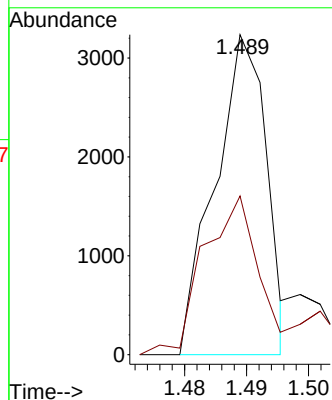
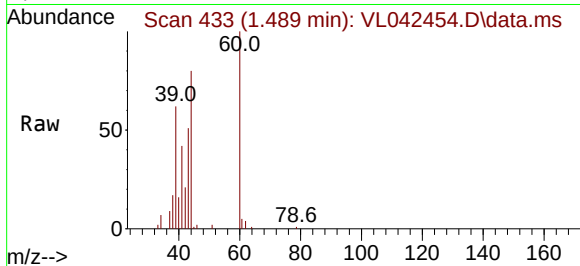
ClientSampleId :

B-1DUP

Tgt Ion: 41 Resp: 1870
 Ion Ratio Lower Upper
 41 100
 42 64.6 56.2 84.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025



#11

Trichlorofluoromethane

Concen: 0.219 ppbv m

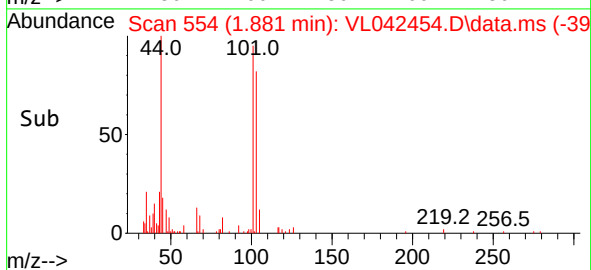
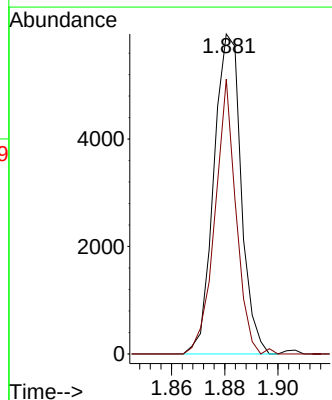
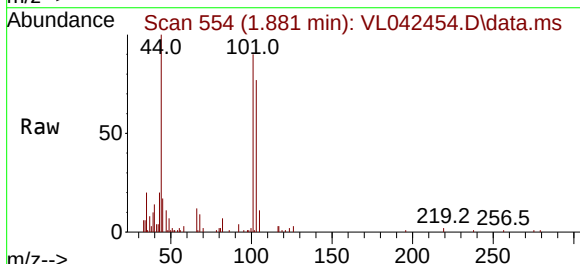
RT: 1.881 min Scan# 554

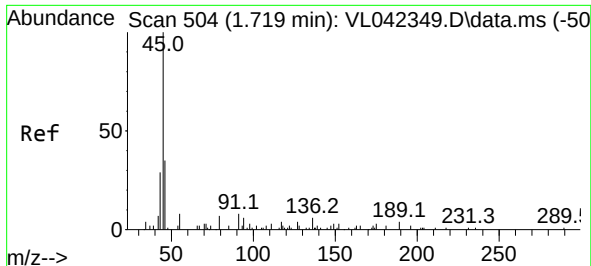
Delta R.T. 0.003 min

Lab File: VL042454.D

Acq: 29 Apr 2025 19:57

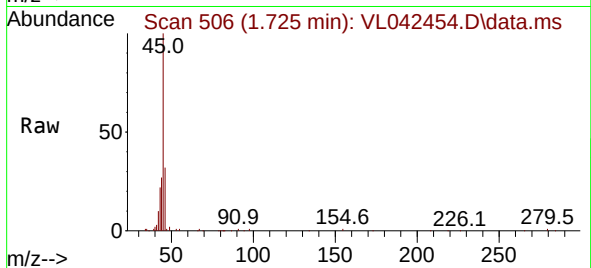
Tgt Ion:101 Resp: 4240
 Ion Ratio Lower Upper
 101 100
 103 85.9 50.1 75.1#





#13
Ethanol
Concen: 9.870 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL042454.D
Acq: 29 Apr 2025 19:57

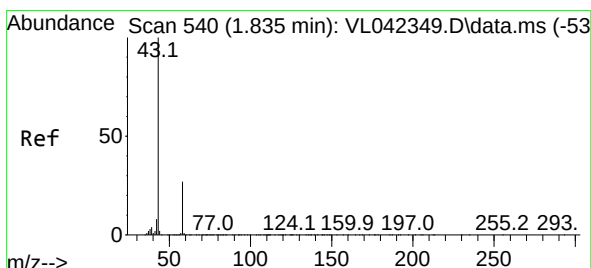
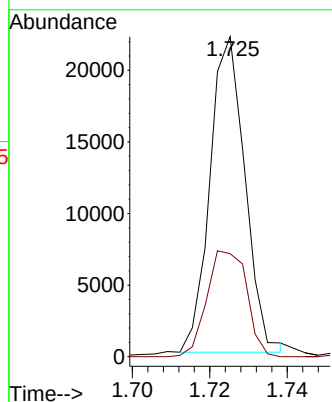
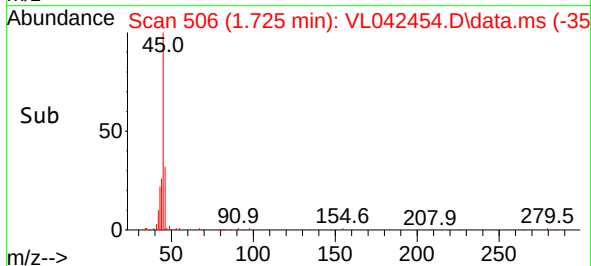
Instrument :
MSVOA_L
ClientSampleId :
B-1DUP



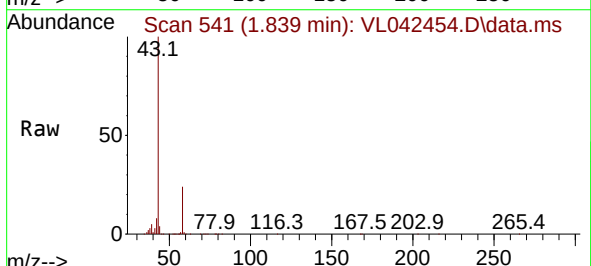
Tgt Ion: 45 Resp: 13819
Ion Ratio Lower Upper
45 100
46 38.9 21.9 87.7

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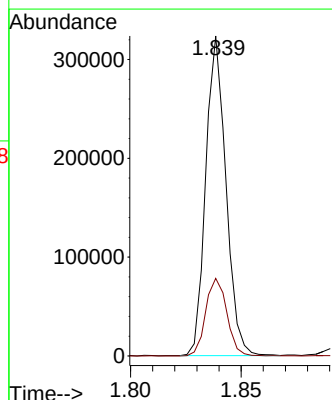
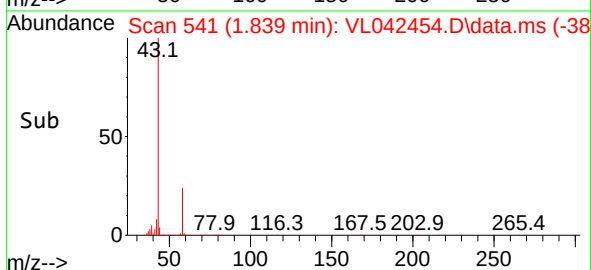
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

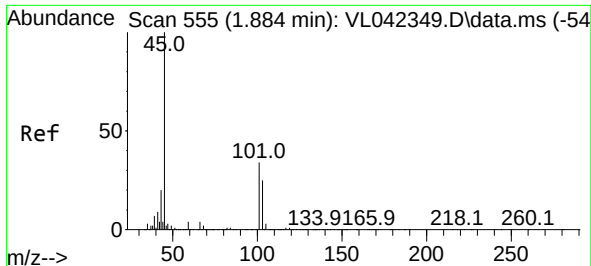


#15
Acetone
Concen: 10.874 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042454.D
Acq: 29 Apr 2025 19:57



Tgt Ion: 43 Resp: 204657
Ion Ratio Lower Upper
43 100
58 25.5 22.4 33.6





#19

Isopropyl Alcohol

Concen: 1.456 ppbv

RT: 1.890 min Scan# 511

Delta R.T. 0.006 min

Lab File: VL042454.D

Acq: 29 Apr 2025 19:57

Instrument :

MSVOA_L

ClientSampleId :

B-1DUP

Tgt Ion: 45 Resp: 15228

Ion Ratio Lower Upper

45 100

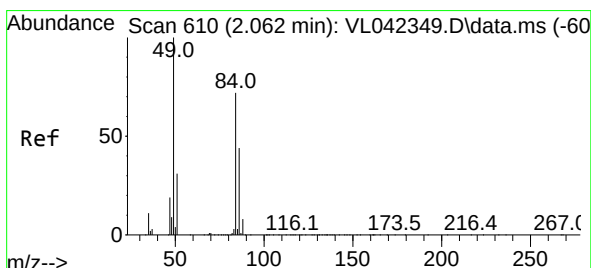
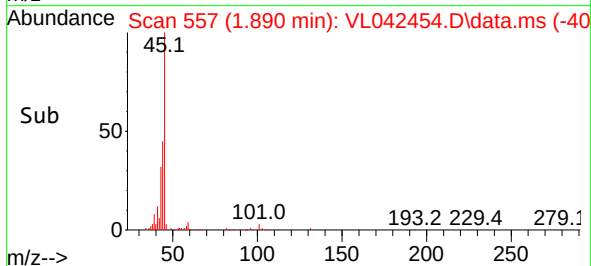
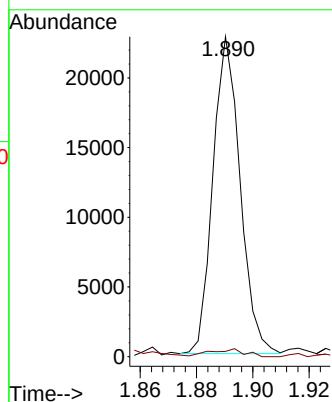
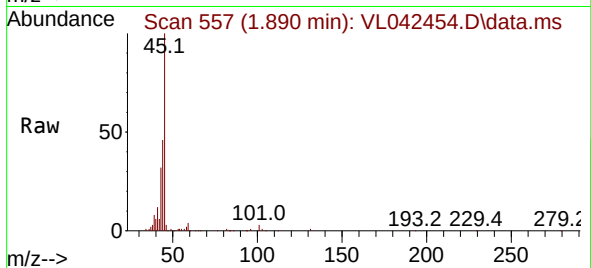
58 342.6 34.5 51.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/30/2025

Supervised By :Mahesh Dadoda 04/30/2025



#20

Methylene Chloride

Concen: 0.567 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.003 min

Lab File: VL042454.D

Acq: 29 Apr 2025 19:57

Tgt Ion: 84 Resp: 4181

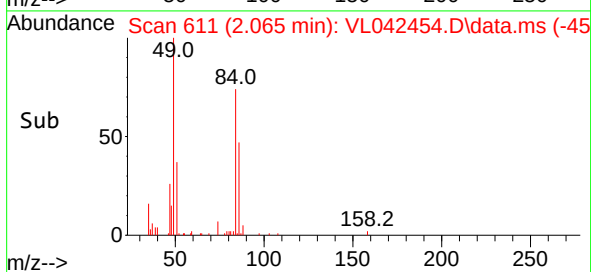
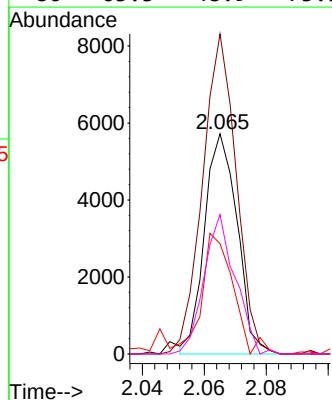
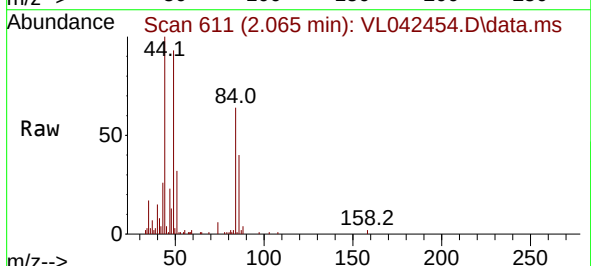
Ion Ratio Lower Upper

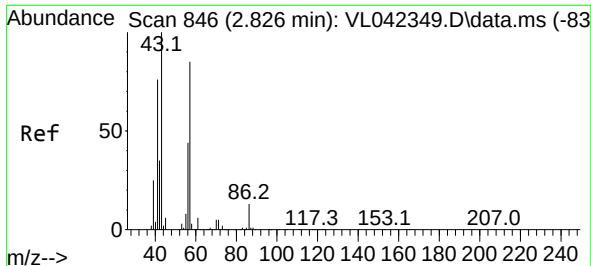
84 100

49 149.6 111.6 167.4

51 50.1 35.1 52.7

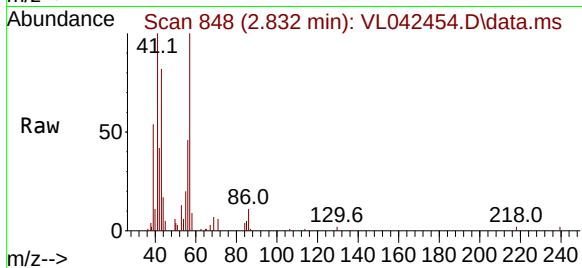
86 63.3 48.9 73.3





#26
Hexane
Concen: 0.321 ppbv
RT: 2.832 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL042454.D
Acq: 29 Apr 2025 19:57

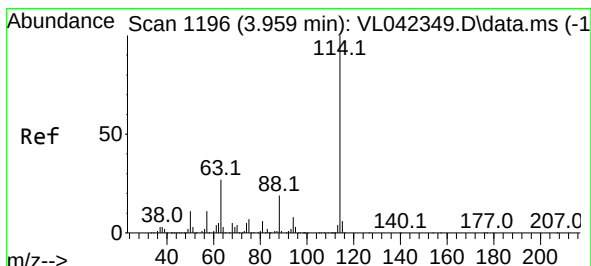
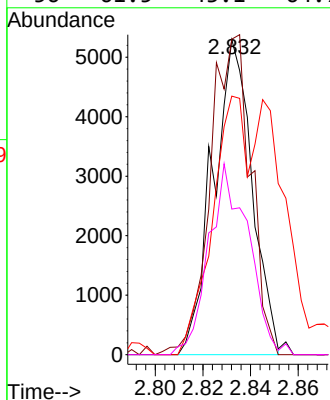
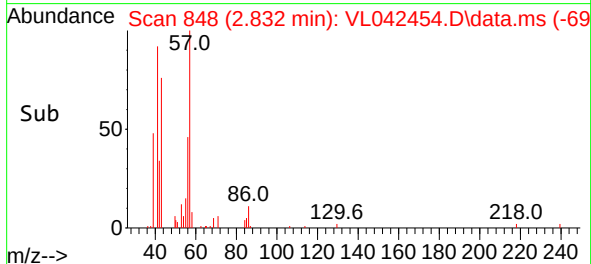
Instrument :
MSVOA_L
ClientSampleId :
B-1DUP



Tgt Ion: 57 Resp: 6028
Ion Ratio Lower Upper
57 100
41 105.4 77.9 116.9
43 147.4 208.4 312.6
56 61.5 43.1 64.7

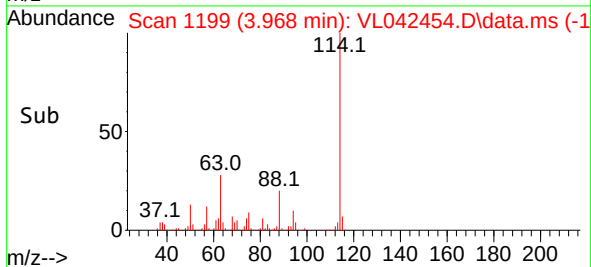
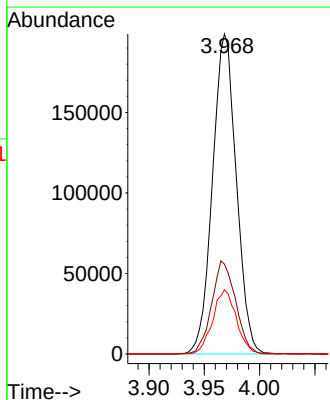
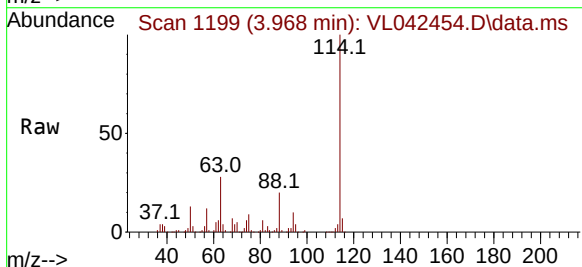
Manual Integrations
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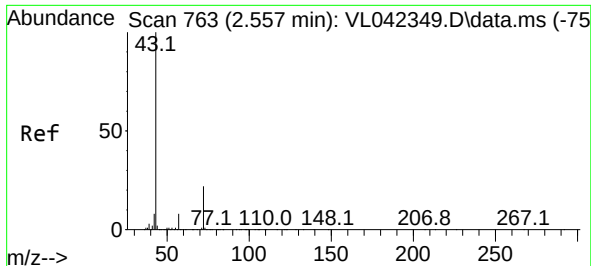
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.010 min
Lab File: VL042454.D
Acq: 29 Apr 2025 19:57

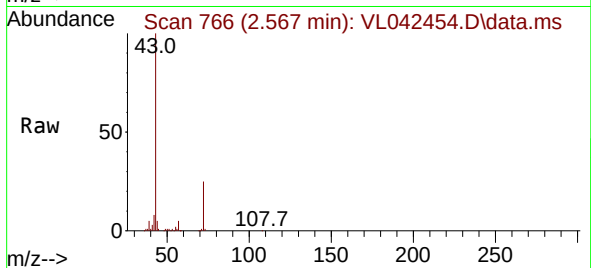
Tgt Ion:114 Resp: 297262
Ion Ratio Lower Upper
114 100
63 29.5 21.8 32.6
88 19.9 15.5 23.3





#34
2-Butanone
Concen: 2.250 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.010 min
Lab File: VL042454.D
Acq: 29 Apr 2025 19:57

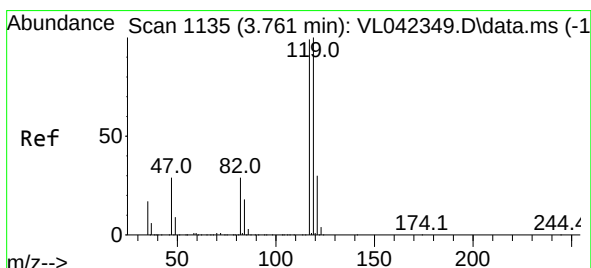
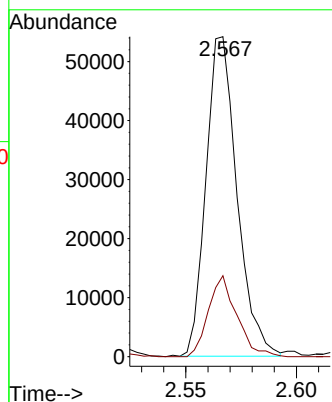
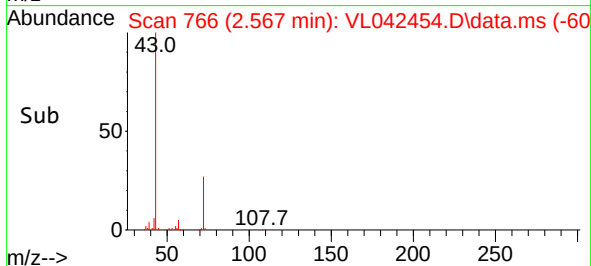
Instrument :
MSVOA_L
Client SampleId :
B-1DUP



Tgt Ion: 43 Resp: 5290
Ion Ratio Lower Upper
43 100
72 23.1 18.2 27.2

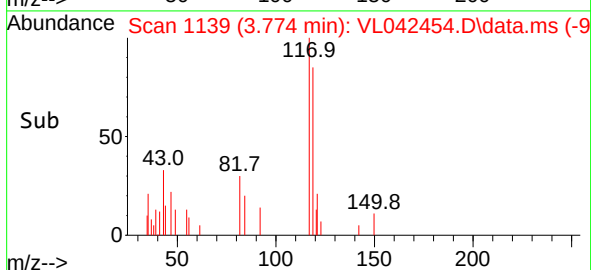
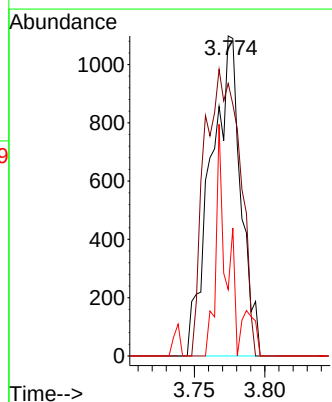
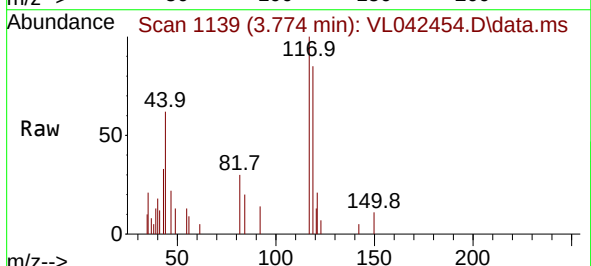
Manual Integrations
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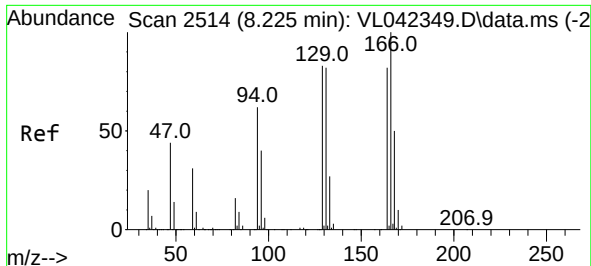
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#35
Carbon Tetrachloride
Concen: 0.060 ppbv m
RT: 3.774 min Scan# 1139
Delta R.T. 0.013 min
Lab File: VL042454.D
Acq: 29 Apr 2025 19:57

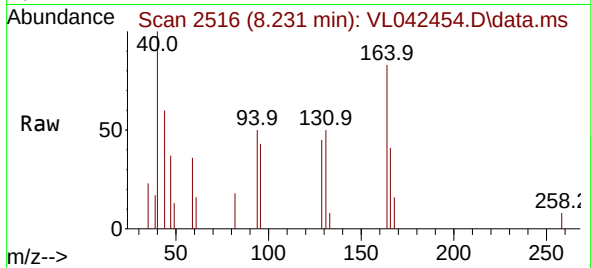
Tgt Ion:117 Resp: 1621
Ion Ratio Lower Upper
117 100
119 85.2 80.5 120.7
121 20.8 24.2 36.2#





#52
Tetrachloroethene
Concen: 0.051 ppbv m
RT: 8.231 min Scan# 2119
Delta R.T. 0.006 min
Lab File: VL042454.D
Acq: 29 Apr 2025 19:57

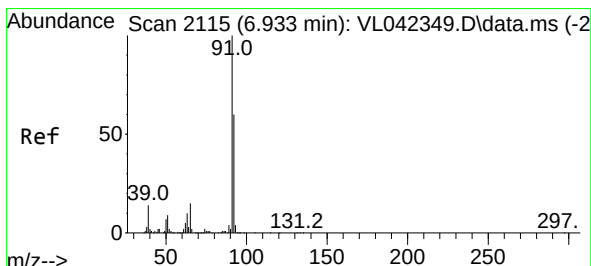
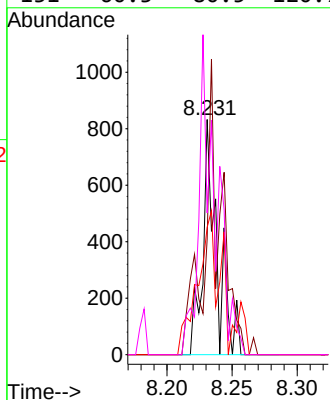
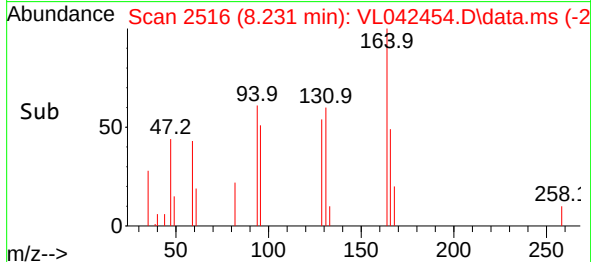
Instrument :
MSVOA_L
ClientSampleId :
B-1DUP



Tgt Ion:164 Resp: 629
Ion Ratio Lower Upper
164 100
166 49.1 98.2 147.2
129 54.1 81.8 122.8
131 60.3 80.5 120.7

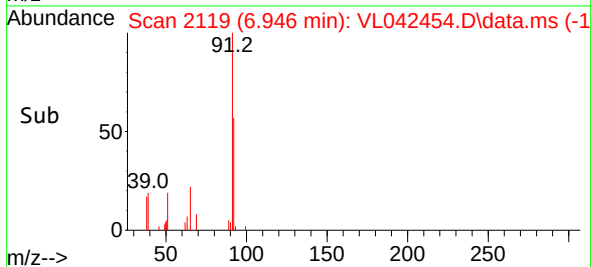
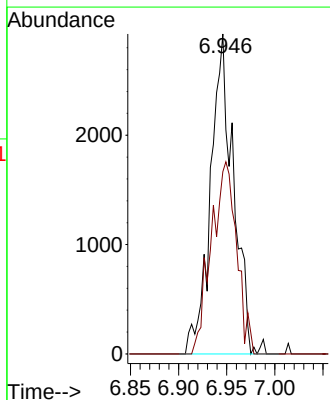
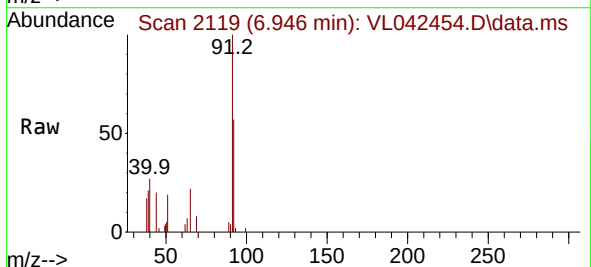
Manual Integrations
APPROVED

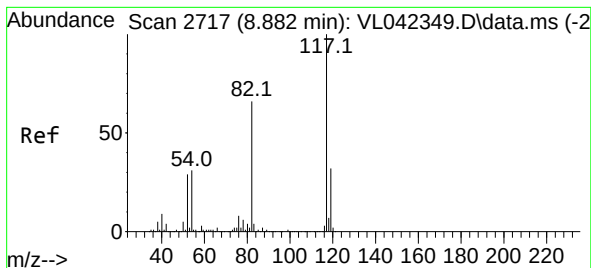
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#53
Toluene
Concen: 0.125 ppbv m
RT: 6.946 min Scan# 2119
Delta R.T. 0.013 min
Lab File: VL042454.D
Acq: 29 Apr 2025 19:57

Tgt Ion: 91 Resp: 4818
Ion Ratio Lower Upper
91 100
92 66.8 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL042454.D

Acq: 29 Apr 2025 19:57

Instrument :

MSVOA_L

ClientSampleId :

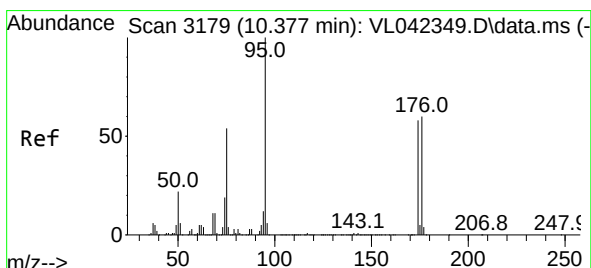
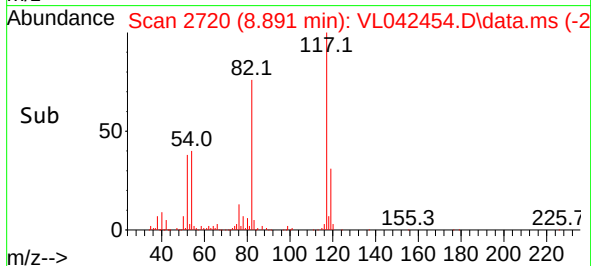
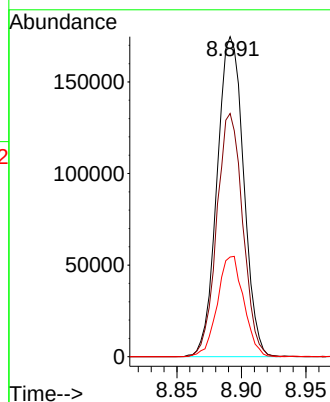
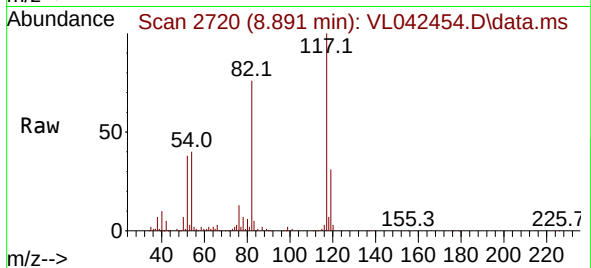
B-1DUP

Tgt Ion:	117	Resp:	249799
Ion Ratio	Lower	Upper	
117	100		
82	74.5	57.8	86.6
119	31.1	25.2	37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 11.079 ppbv

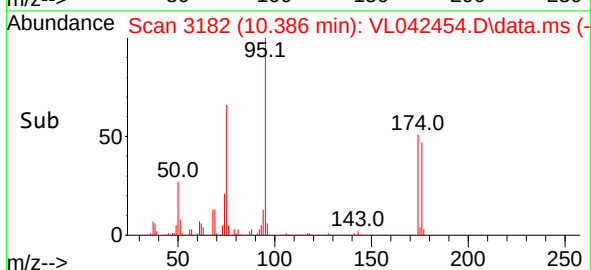
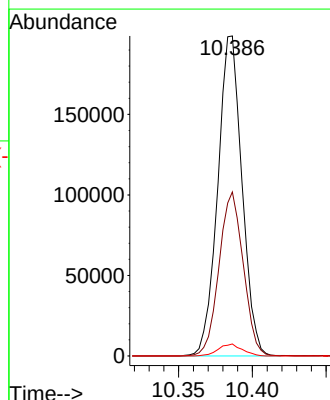
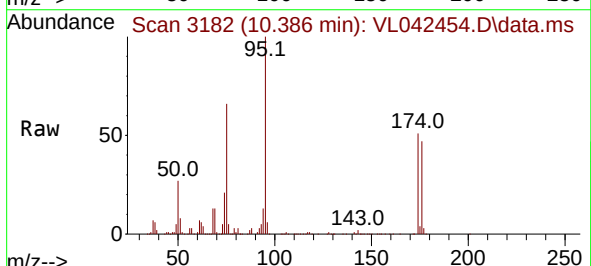
RT: 10.386 min Scan# 3182

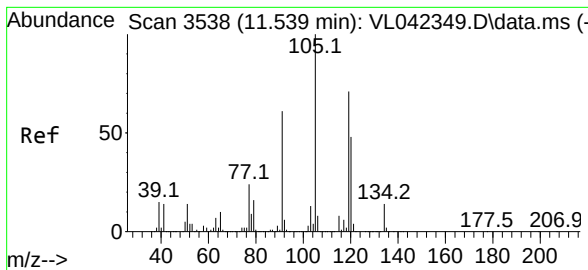
Delta R.T. 0.010 min

Lab File: VL042454.D

Acq: 29 Apr 2025 19:57

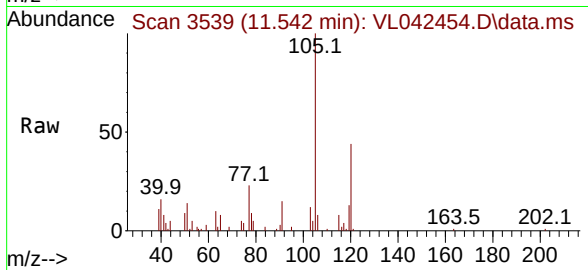
Tgt Ion:	95	Resp:	227429
Ion Ratio	Lower	Upper	
95	100		
174	51.2	48.5	72.7
175	3.7	3.7	5.5





#74
 1,2,4-Trimethylbenzene
 Concen: 0.109 ppbv
 RT: 11.542 min Scan# 3539
 Delta R.T. 0.003 min
 Lab File: VL042454.D
 Acq: 29 Apr 2025 19:57

Instrument :
 MSVOA_L
 ClientSampleId :
 B-1DUP



Tgt Ion:	105	Resp:	554
Ion	Ratio	Lower	Upper
105	100		
120	44.1	38.1	57.1
91	15.5	48.8	73.2
77	22.7	19.0	28.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
 Supervised By :Mahesh Dadoda 04/30/2025

