

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
 Data File : VL042636.D
 Acq On : 16 Jun 2025 19:12
 Operator : SY/MD
 Sample : Q2317-02DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 115-IA-1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
 Supervised By :Mahesh Dadoda 06/17/2025

Quant Time: Jun 17 03:09:39 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	99585	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	258626	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	228826	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	179870	10.486	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.900%
Target Compounds						
2) Dichlorodifluoromethane	1.499	85	1473	0.120	ppbv #	88
4) Chloromethane	1.531	50	948	0.196	ppbv #	83
9) Propene	1.489	41	12694m	1.870	ppbv	
11) Trichlorofluoromethane	1.881	101	19522	1.714	ppbv	95
13) Ethanol	1.722	45	165048	204.015	ppbv	97
15) Acetone	1.835	43	98854	8.241	ppbv	96
19) Isopropyl Alcohol	1.887	45	76718	10.698	ppbv	91
20) Methylene Chloride	2.062	84	1690	0.427	ppbv #	81
26) Hexane	2.829	57	9562	0.641	ppbv #	89
34) 2-Butanone	2.564	43	7674	0.416	ppbv	98
41) Tetrahydrofuran	3.069	42	2599	0.241	ppbv	90
53) Toluene	6.943	91	3878m	0.132	ppbv	
76) 1,4-Dichlorobenzene	11.675	146	70457	3.225	ppbv	98

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

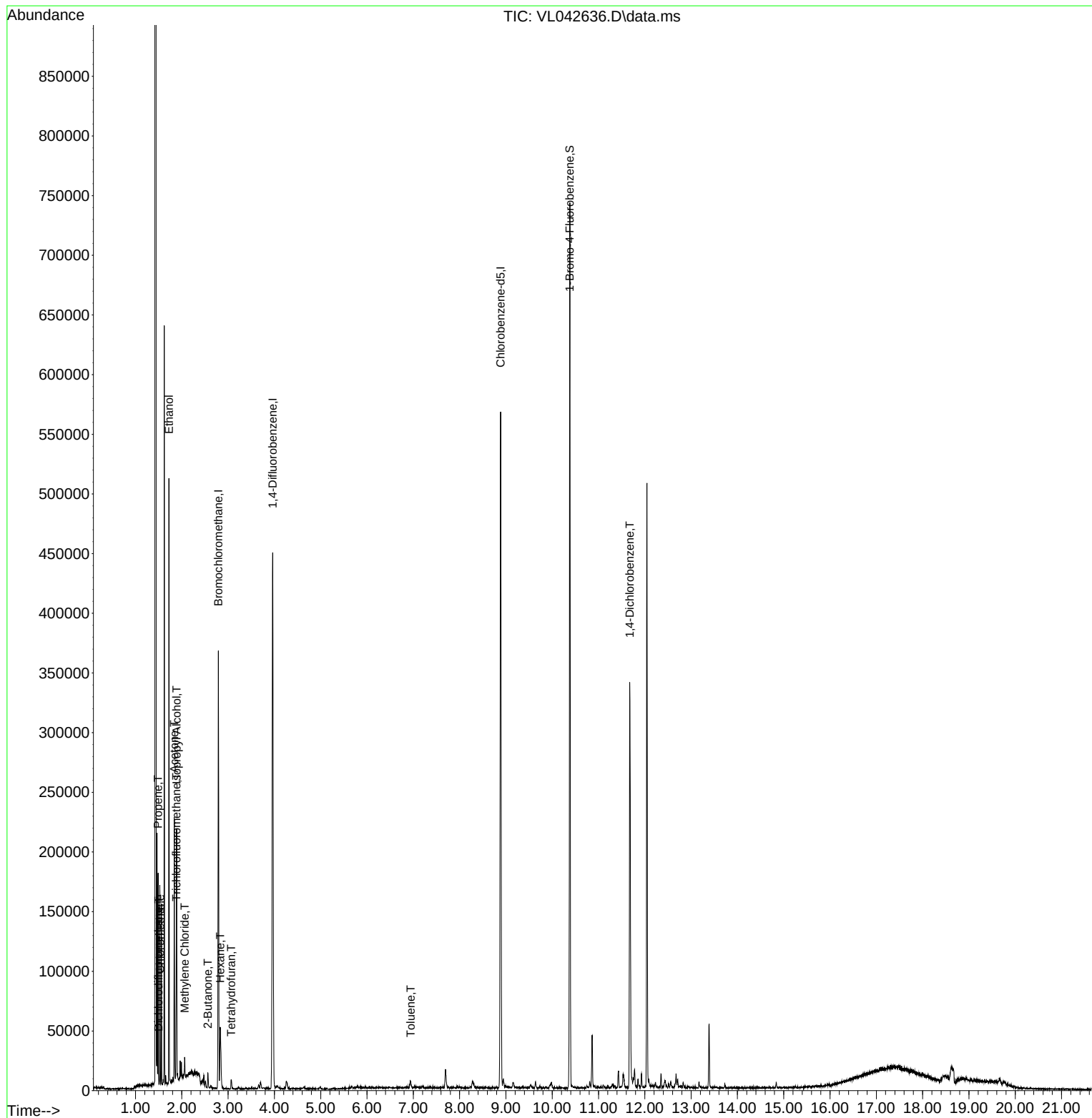
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042636.D
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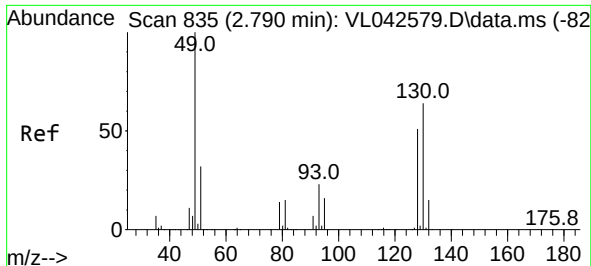
Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Quant Time: Jun 17 03:09:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

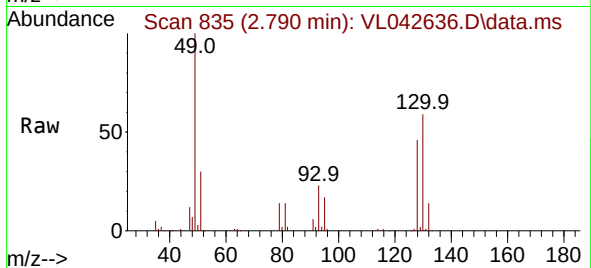
Reviewed By : Semsettin Yesilyurt 06/17/2025
Supervised By : Mahesh Dadoda 06/17/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

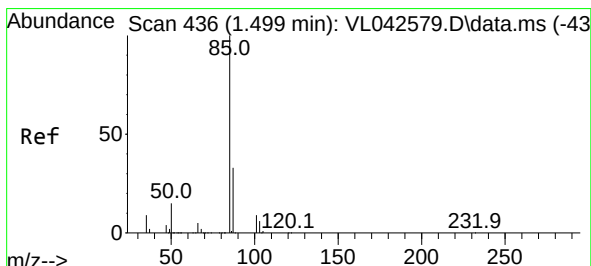
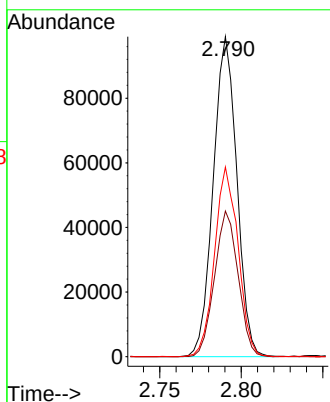
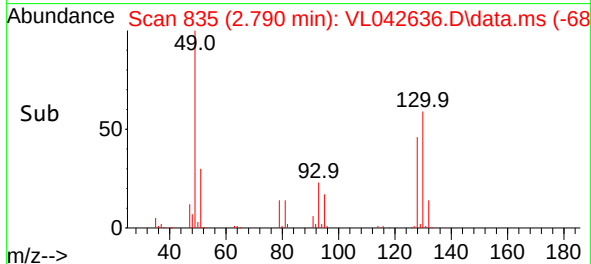
Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL



Tgt Ion: 49 Resp: 9958
Ion Ratio Lower Upper
49 100
128 45.5 24.2 72.6
130 59.1 30.4 91.2

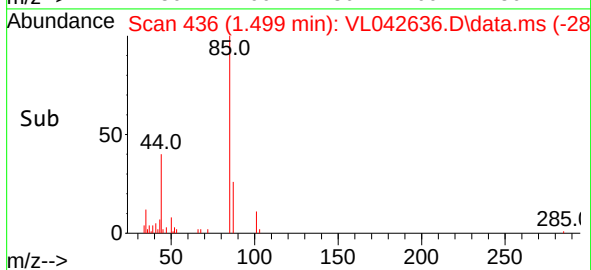
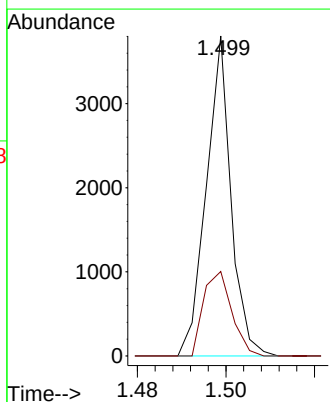
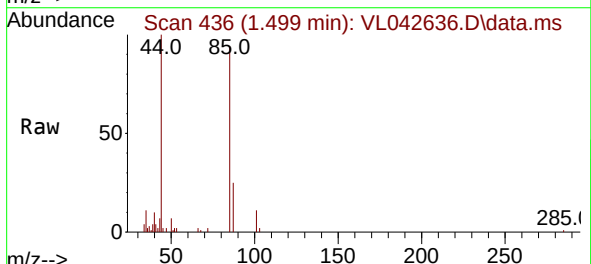
Manual Integrations
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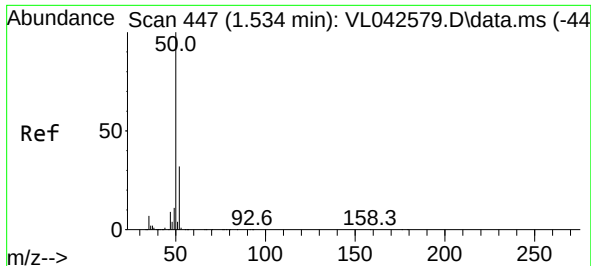
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#2
Dichlorodifluoromethane
Concen: 0.120 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

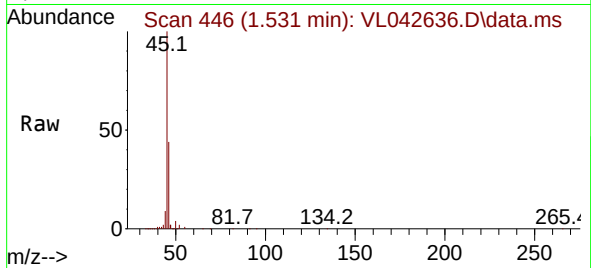
Tgt Ion: 85 Resp: 1473
Ion Ratio Lower Upper
85 100
87 26.4 26.6 39.8#





#4
Chloromethane
Concen: 0.196 ppbv
RT: 1.531 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

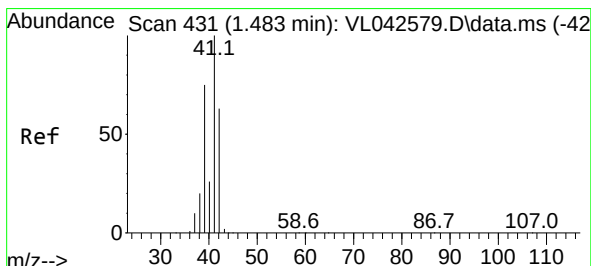
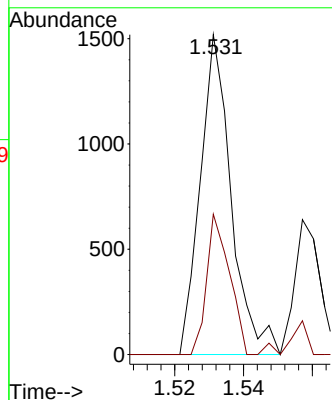
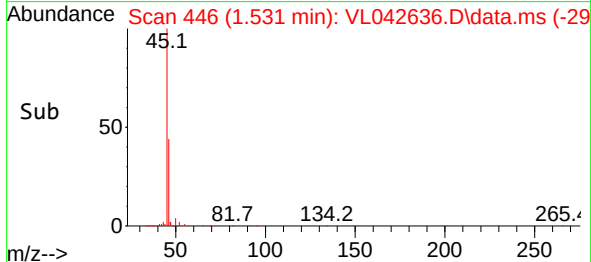
Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL



Tgt Ion: 50 Resp: 948
Ion Ratio Lower Upper
50 100
52 41.7 25.8 38.6

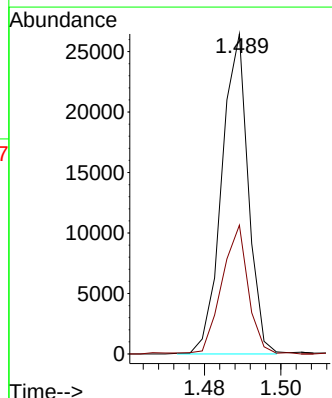
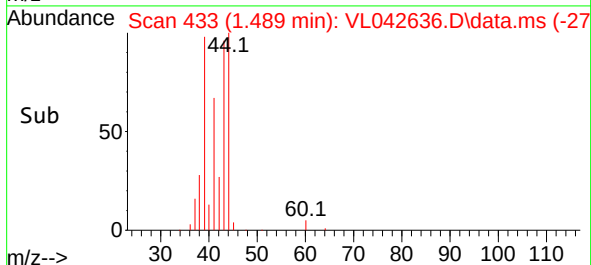
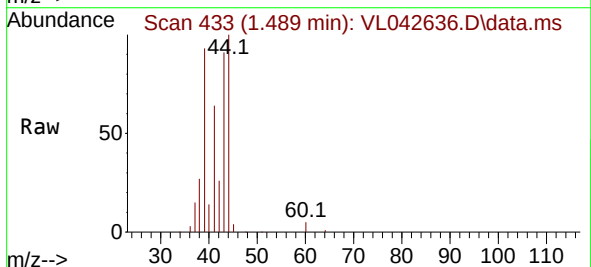
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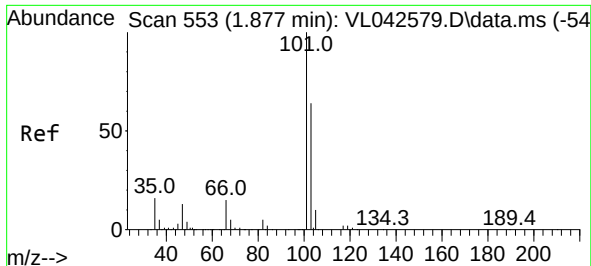
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#9
Propene
Concen: 1.870 ppbv m
RT: 1.489 min Scan# 433
Delta R.T. 0.007 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

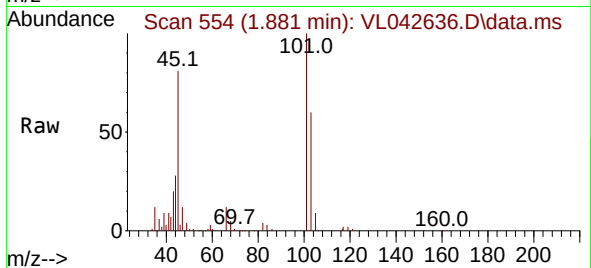
Tgt Ion: 41 Resp: 12694
Ion Ratio Lower Upper
41 100
42 39.5 53.3 79.9





#11
Trichlorofluoromethane
Concen: 1.714 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

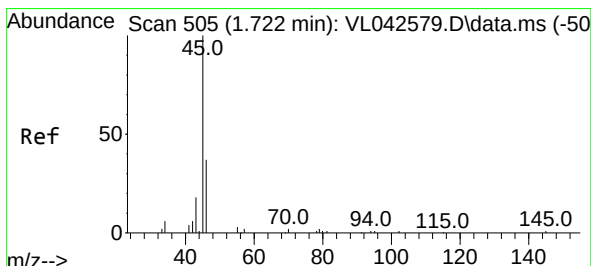
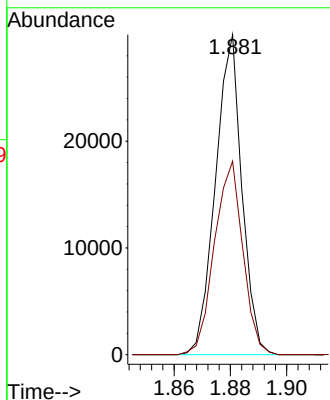
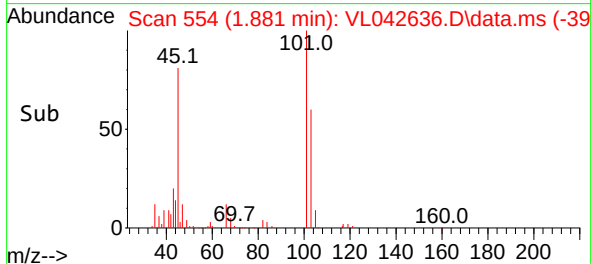
Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL



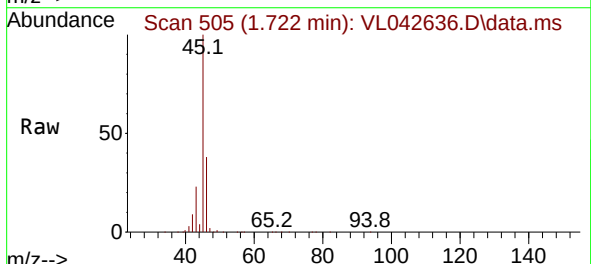
Tgt Ion:101 Resp: 1952
Ion Ratio Lower Upper
101 100
103 60.4 51.5 77.3

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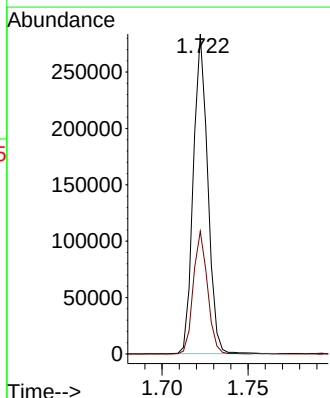
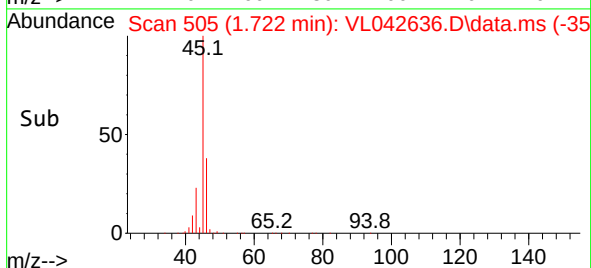
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

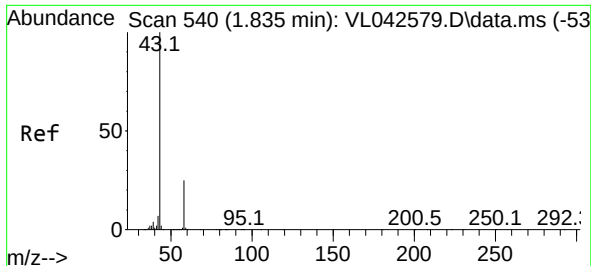


#13
Ethanol
Concen: 204.015 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12



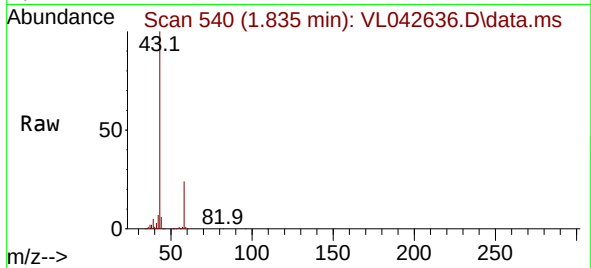
Tgt Ion: 45 Resp: 165048
Ion Ratio Lower Upper
45 100
46 38.1 14.5 58.1





#15
Acetone
Concen: 8.241 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

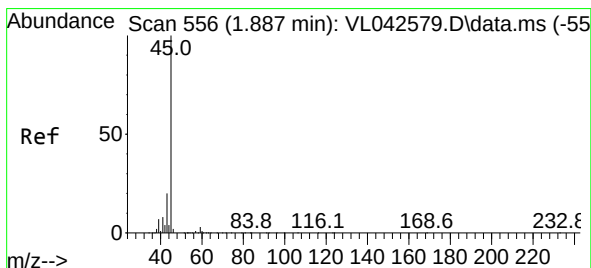
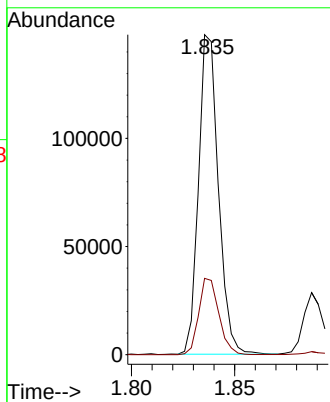
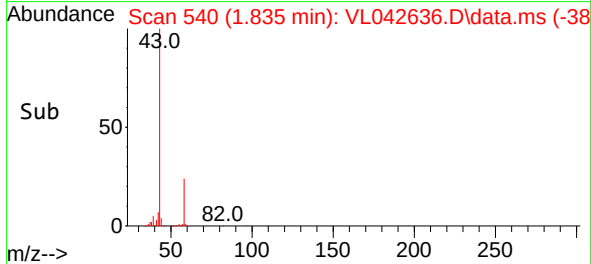
Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL



Tgt Ion: 43 Resp: 98854
Ion Ratio Lower Upper
43 100
58 24.2 21.0 31.4

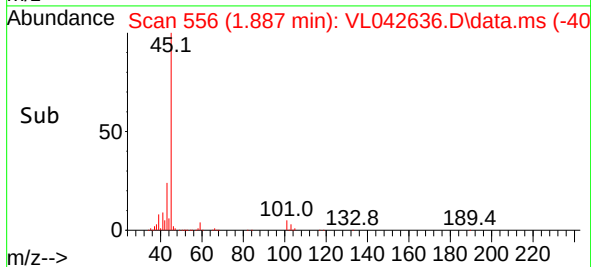
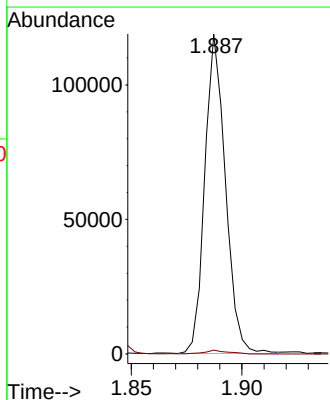
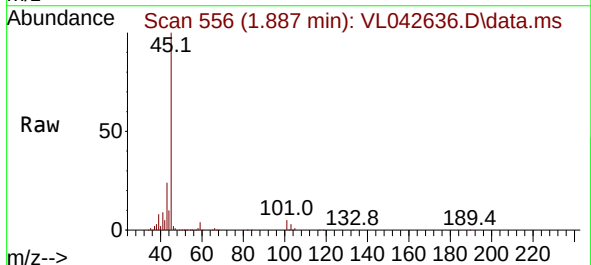
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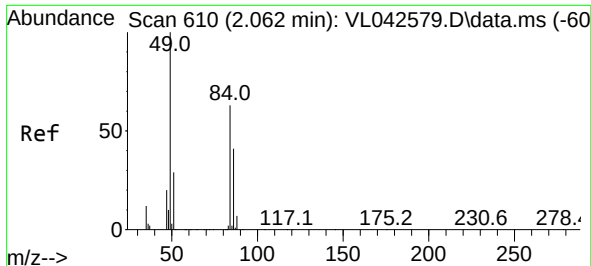
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#19
Isopropyl Alcohol
Concen: 10.698 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

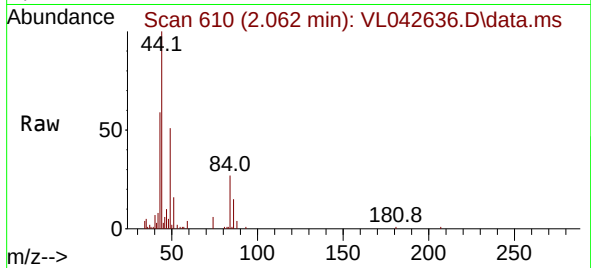
Tgt Ion: 45 Resp: 76718
Ion Ratio Lower Upper
45 100
58 31.3 29.4 44.2





#20
Methylene Chloride
Concen: 0.427 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

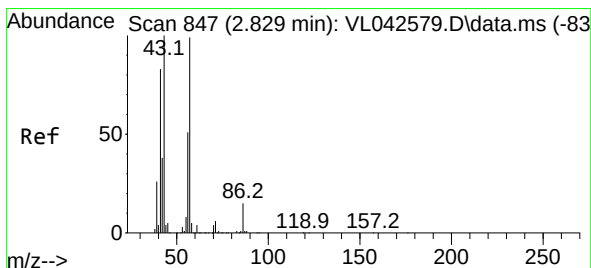
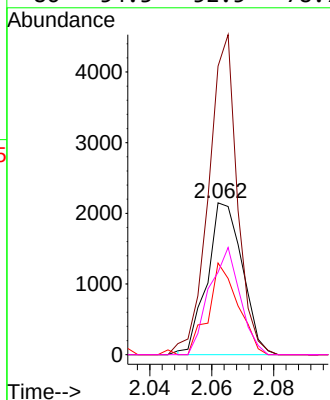
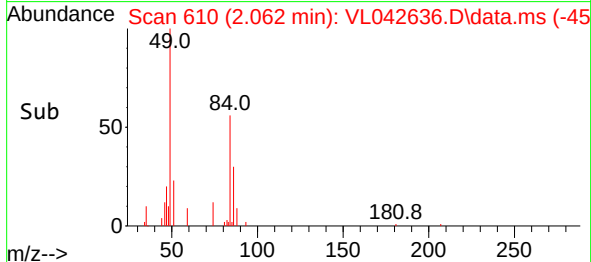
Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL



Tgt Ion: 84	Resp: 1690
Ion Ratio	Lower Upper
84 100	
49 189.9	128.8 193.2
51 60.4	38.6 57.8
86 54.3	52.5 78.7

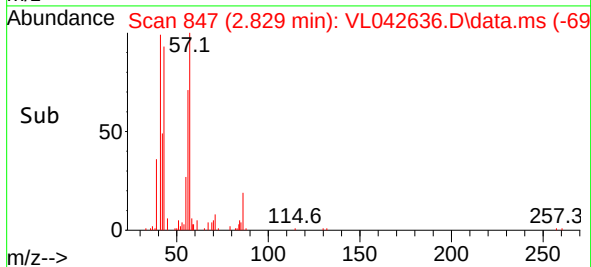
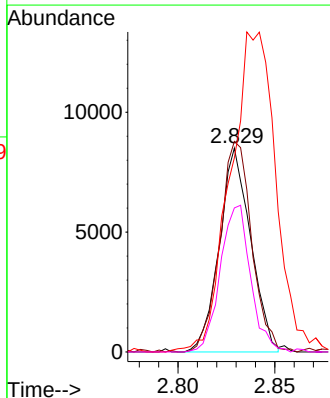
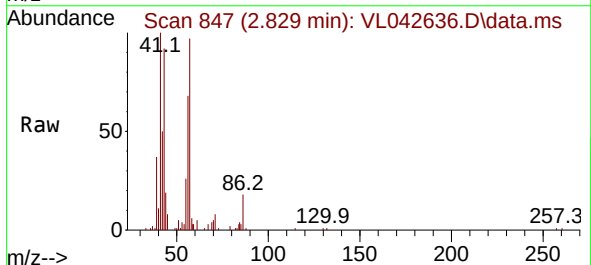
Manual Integrations
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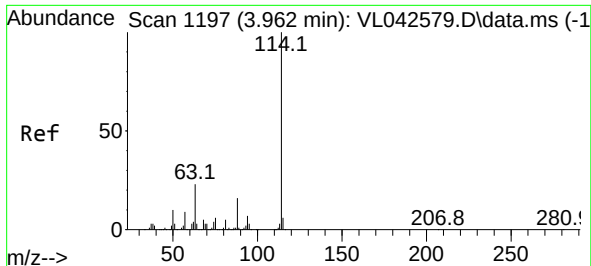
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#26
Hexane
Concen: 0.641 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion: 57	Resp: 9562
Ion Ratio	Lower Upper
57 100	
41 107.9	70.6 106.0#
43 232.1	181.1 271.7
56 70.0	42.2 63.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.000 min

Lab File: VL042636.D

Acq: 16 Jun 2025 19:12

Instrument :

MSVOA_L

ClientSampleId :

115-IA-1DL

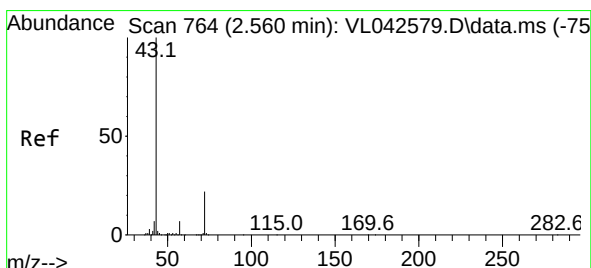
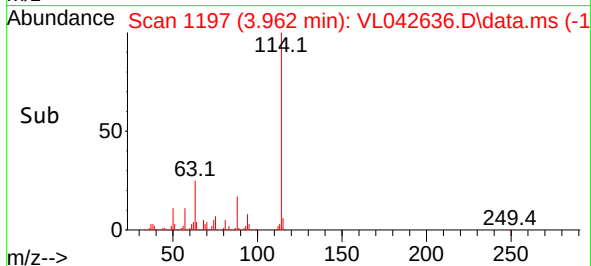
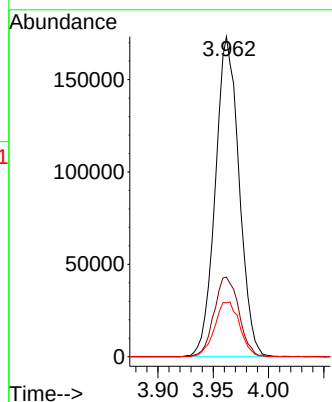
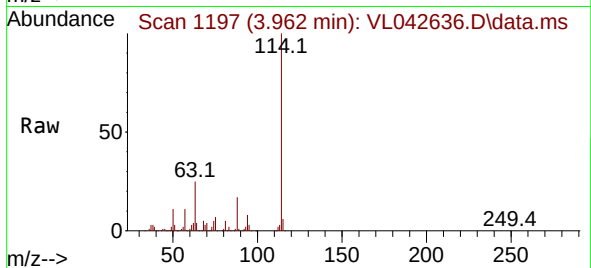
Tgt Ion:114 Resp: 258620

Ion	Ratio	Lower	Upper
114	100		
63	26.1	19.0	28.6
88	18.1	13.6	20.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#34

2-Butanone

Concen: 0.416 ppbv

RT: 2.564 min Scan# 765

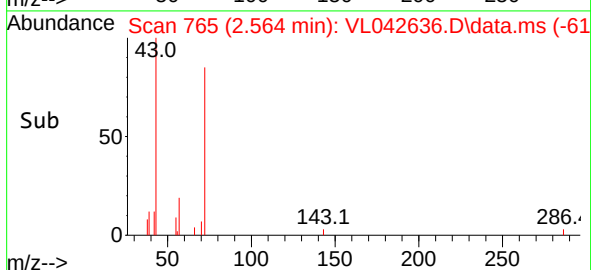
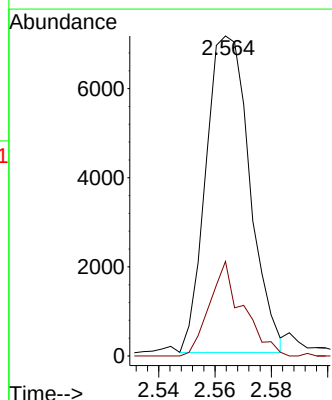
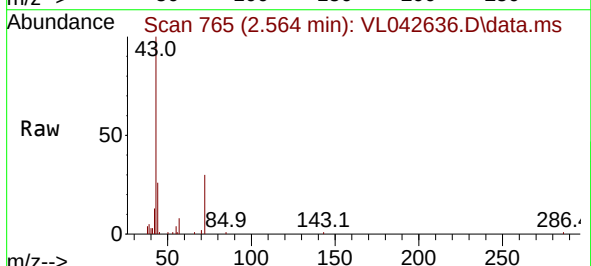
Delta R.T. 0.003 min

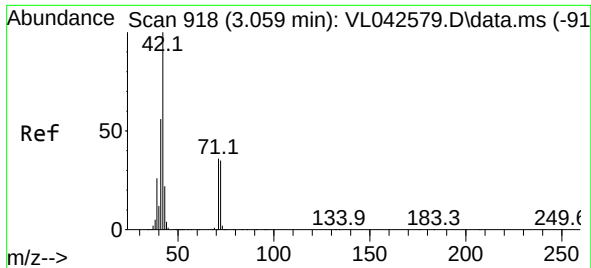
Lab File: VL042636.D

Acq: 16 Jun 2025 19:12

Tgt Ion: 43 Resp: 7674

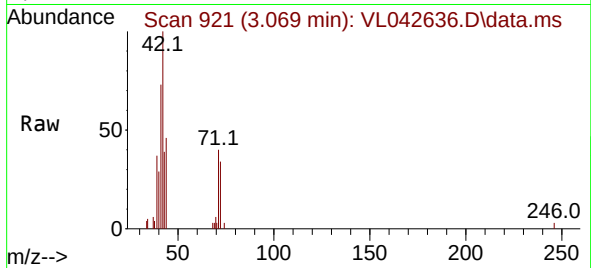
Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.7	26.5





#41
Tetrahydrofuran
Concen: 0.241 ppbv
RT: 3.069 min Scan# 918
Delta R.T. 0.010 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

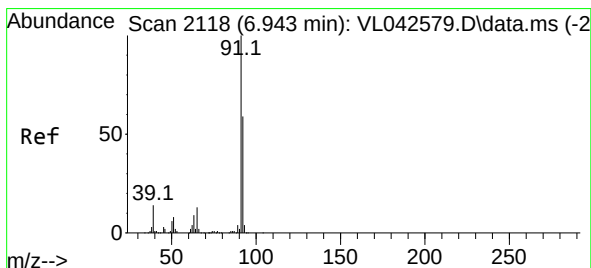
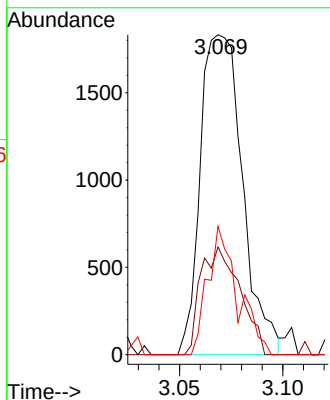
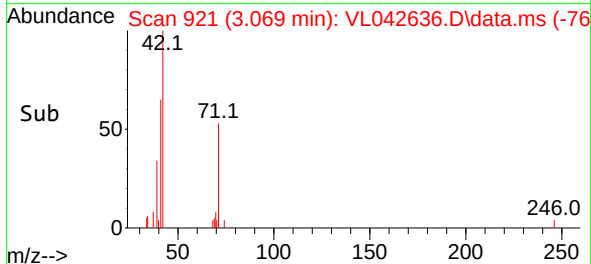
Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL



Tgt Ion: 42 Resp: 2599
Ion Ratio Lower Upper
42 100
72 31.4 28.9 43.3
71 28.5 28.5 42.7

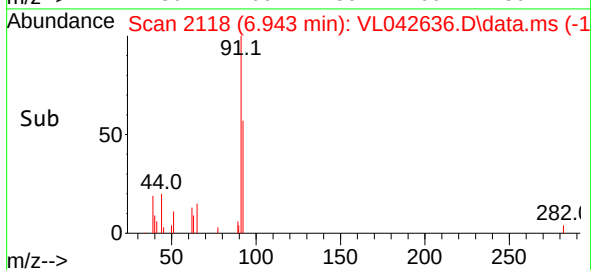
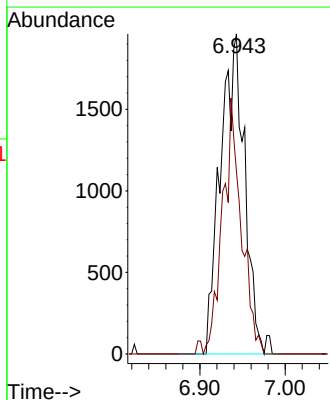
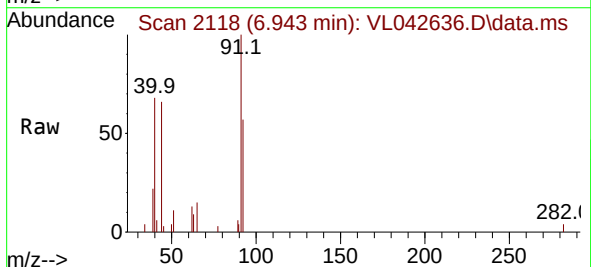
Manual Integrations
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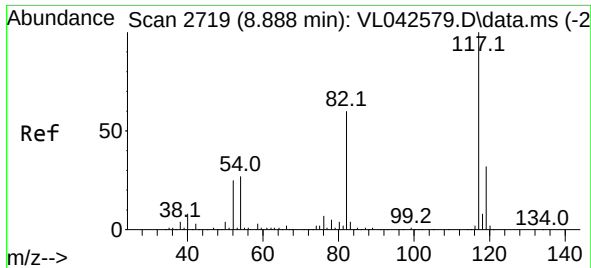
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#53
Toluene
Concen: 0.132 ppbv m
RT: 6.943 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

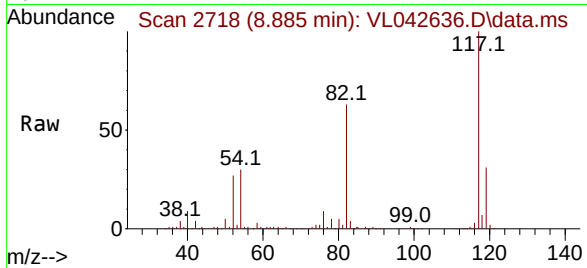
Tgt Ion: 91 Resp: 3878
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2719
Delta R.T. -0.003 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

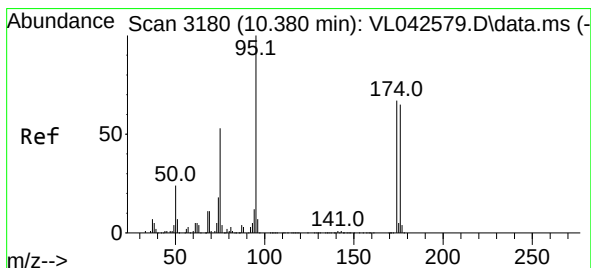
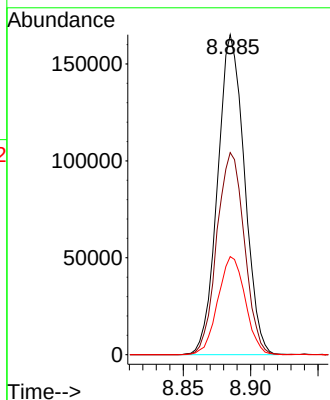
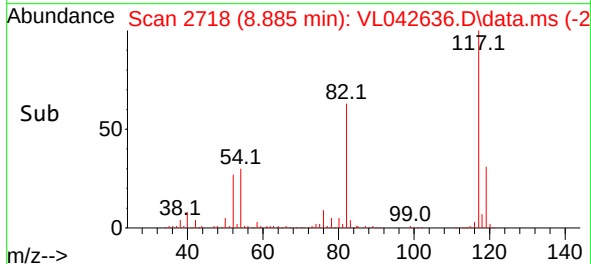
Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL



Tgt Ion:117 Resp: 228820
Ion Ratio Lower Upper
117 100
82 64.8 51.2 76.8
119 31.2 26.3 39.5

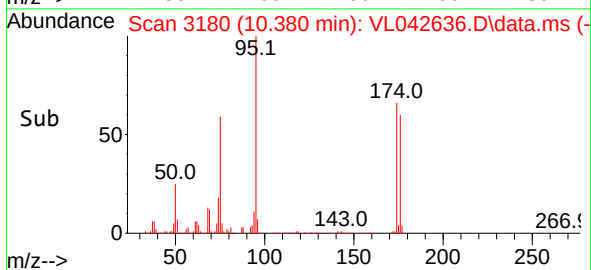
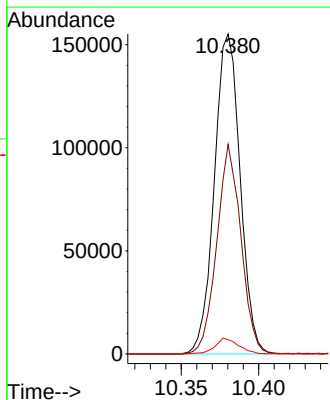
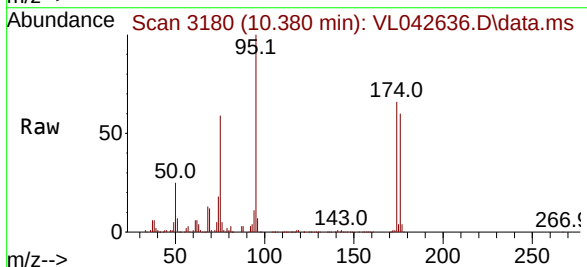
Manual Integrations
APPROVED

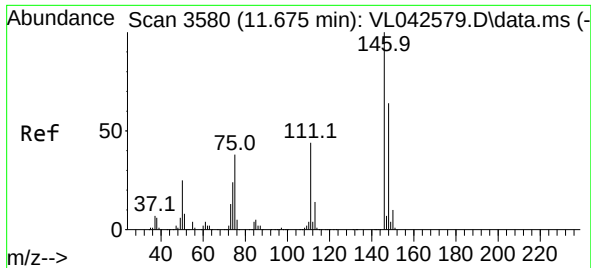
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.486 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

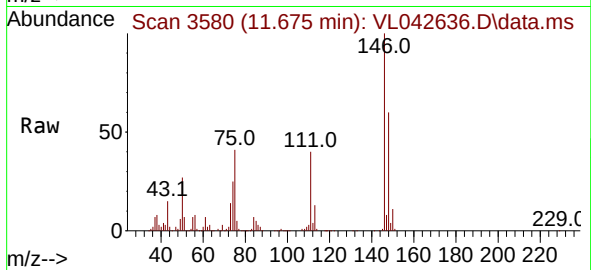
Tgt Ion: 95 Resp: 179870
Ion Ratio Lower Upper
95 100
174 61.6 53.1 79.7
175 4.6 4.2 6.2





#76
 1,4-Dichlorobenzene
 Concen: 3.225 ppbv
 RT: 11.675 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VL042636.D
 Acq: 16 Jun 2025 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 115-IA-1DL



Tgt Ion:	146	Resp:	7045
Ion Ratio	Lower	Upper	
146	100		
111	43.8	21.6	64.8
148	62.4	32.1	96.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
 Supervised By :Mahesh Dadoda 06/17/2025

