

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
 Data File : VL042633.D
 Acq On : 16 Jun 2025 17:27
 Operator : SY/MD
 Sample : Q2317-05 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 115-SG2

Manual Integrations
 APPROVED

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

Quant Time: Jun 17 03:08:34 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	104262	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	275428	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	241418	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	182729	10.097	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%
Target Compounds						
					Qvalue	
4) Chloromethane	1.531	50	2539m	0.500	ppbv	
9) Propene	1.483	41	1262	0.178	ppbv	94
11) Trichlorofluoromethane	1.881	101	8677	0.728	ppbv	95
13) Ethanol	1.722	45	26503	31.291	ppbv	97
15) Acetone	1.839	43	35697	2.842	ppbv	95
20) Methylene Chloride	2.062	84	1643	0.396	ppbv	97
29) Chloroform	2.849	83	9275	0.457	ppbv	84
34) 2-Butanone	2.564	43	4064	0.207	ppbv	96
36) Benzene	3.654	78	5035	0.186	ppbv #	79
38) Trichloroethene	4.551	130	8278	0.718	ppbv #	84
41) Tetrahydrofuran	3.069	42	1524m	0.133	ppbv	
43) Methyl Methacrylate	4.884	69	8142	0.773	ppbv	96
52) Tetrachloroethene	8.228	164	6303	0.622	ppbv #	83
76) 1,4-Dichlorobenzene	11.672	146	4346	0.189	ppbv	97

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

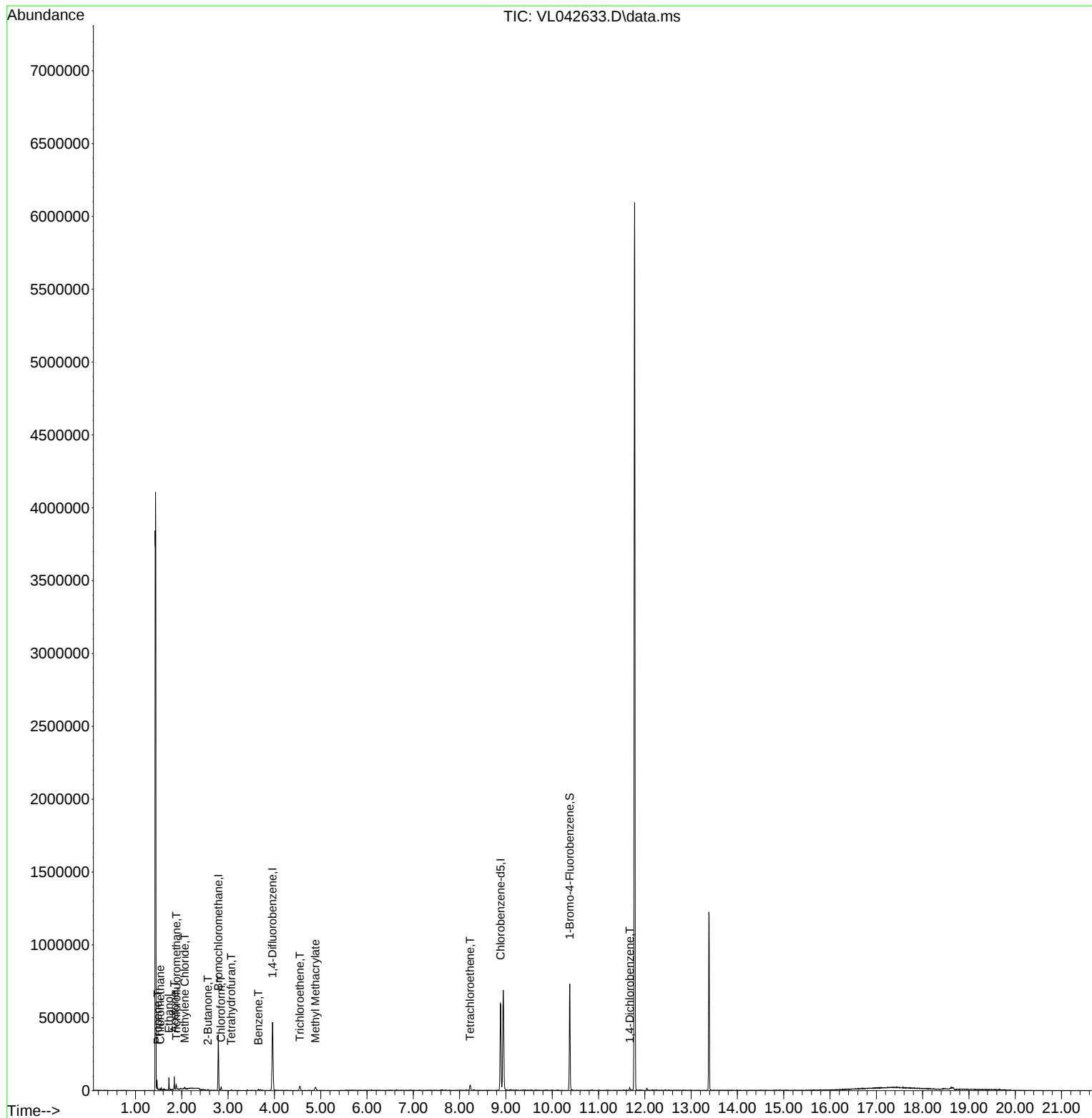
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042633.D
Acq On : 16 Jun 2025 17:27
Operator : SY/MD
Sample : Q2317-05 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

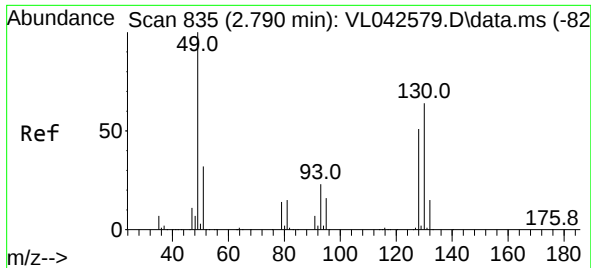
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

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

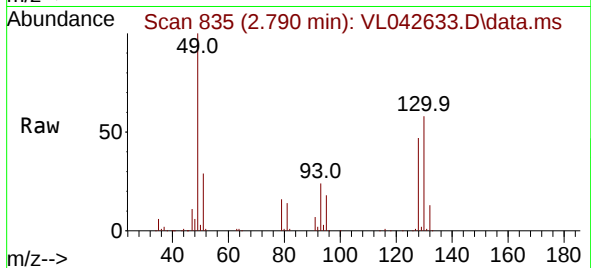
Quant Time: Jun 17 03:08:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27

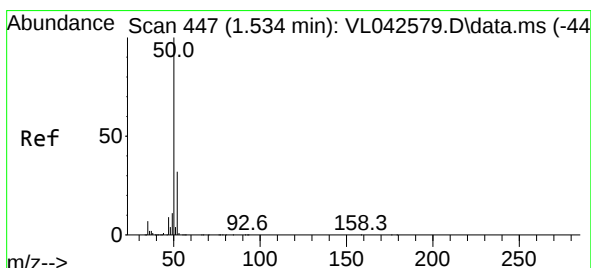
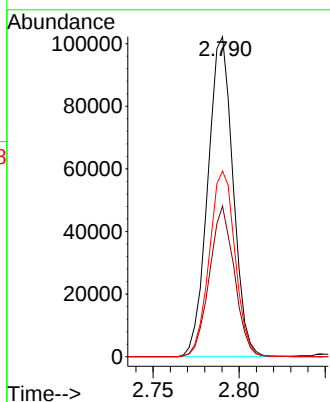
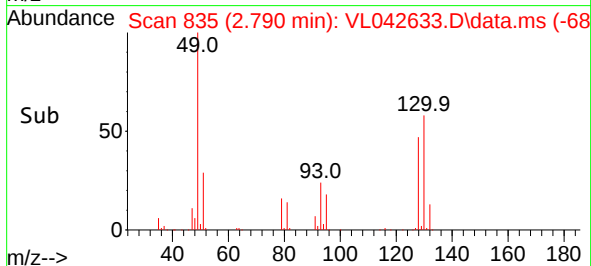
Instrument :
MSVOA_L
ClientSampleId :
115-SG2



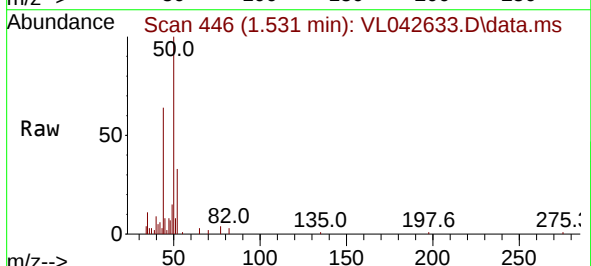
Tgt Ion: 49 Resp: 10426
Ion Ratio Lower Upper
49 100
128 46.3 24.2 72.6
130 59.2 30.4 91.2

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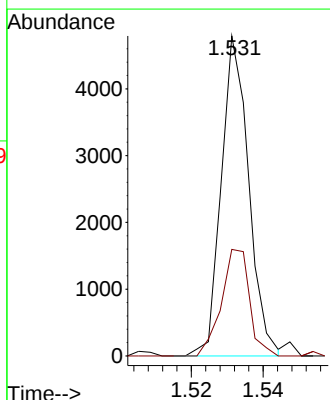
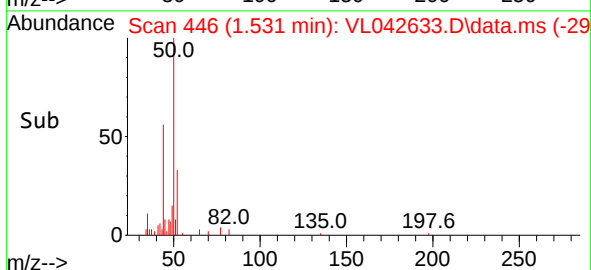
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

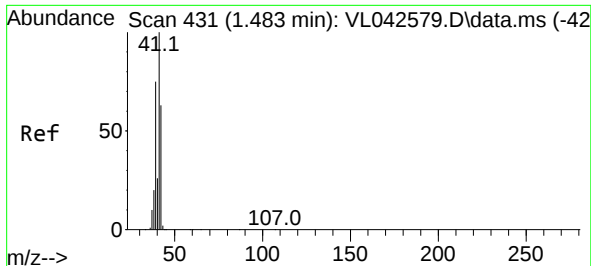


#4
Chloromethane
Concen: 0.500 ppbv m
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27



Tgt Ion: 50 Resp: 2539
Ion Ratio Lower Upper
50 100
52 33.3 25.8 38.6





#9

Propene

Concen: 0.178 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042633.D

Acq: 16 Jun 2025 17:27

Instrument :

MSVOA_L

ClientSampleId :

115-SG2

Tgt Ion: 41 Resp: 126

Ion Ratio Lower Upper

41 100

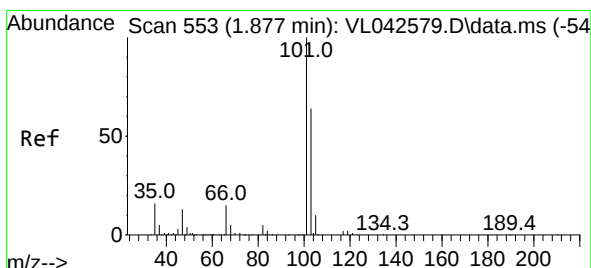
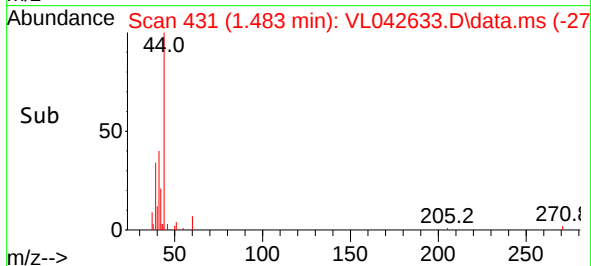
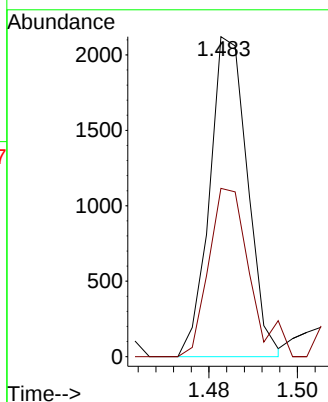
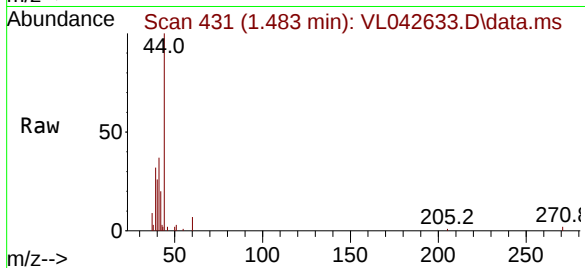
42 61.5 53.3 79.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/17/2025

Supervised By :Mahesh Dadoda 06/17/2025



#11

Trichlorofluoromethane

Concen: 0.728 ppbv

RT: 1.881 min Scan# 554

Delta R.T. 0.003 min

Lab File: VL042633.D

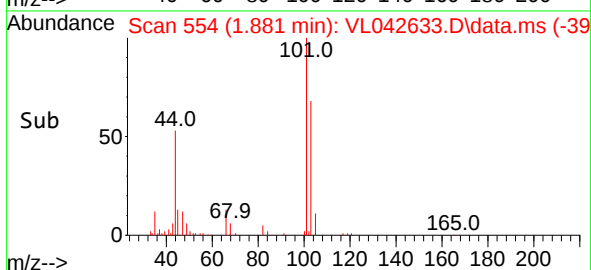
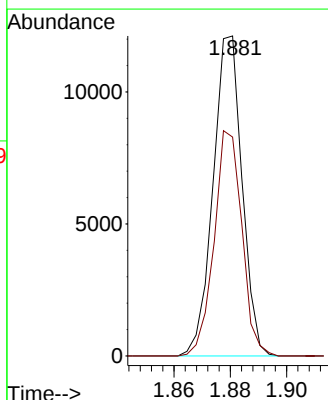
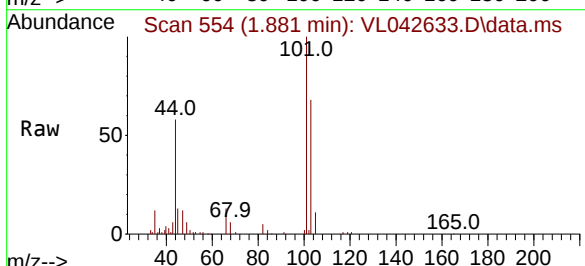
Acq: 16 Jun 2025 17:27

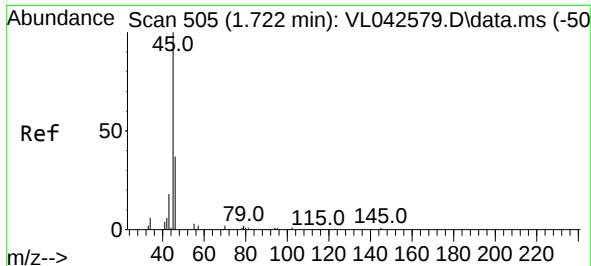
Tgt Ion:101 Resp: 8677

Ion Ratio Lower Upper

101 100

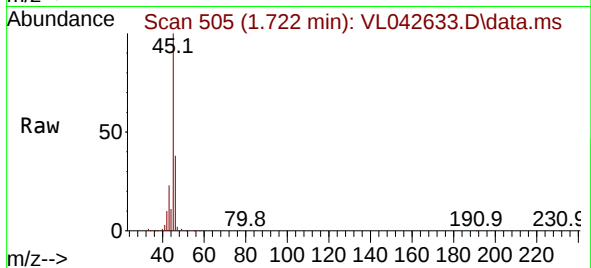
103 68.4 51.5 77.3





#13
Ethanol
Concen: 31.291 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27

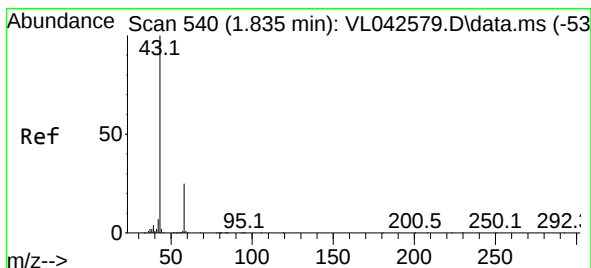
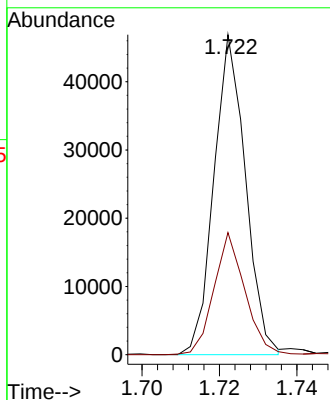
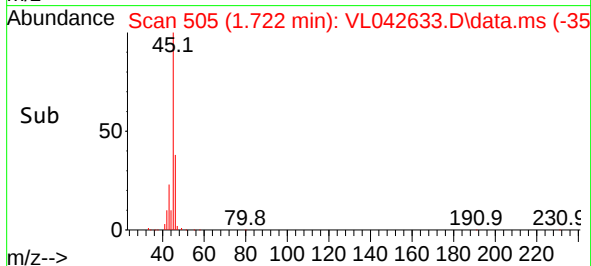
Instrument :
MSVOA_L
ClientSampleId :
115-SG2



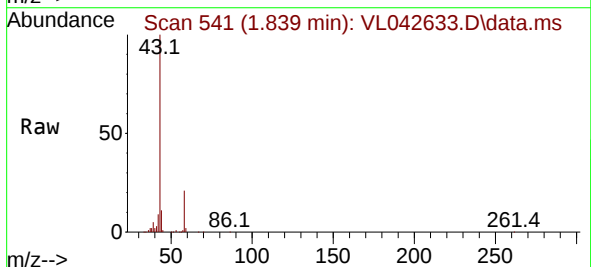
Tgt Ion: 45 Resp: 2650
Ion Ratio Lower Upper
45 100
46 38.1 14.5 58.1

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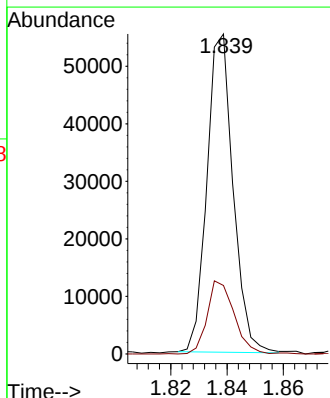
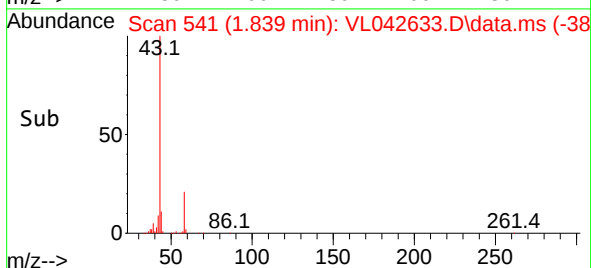
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

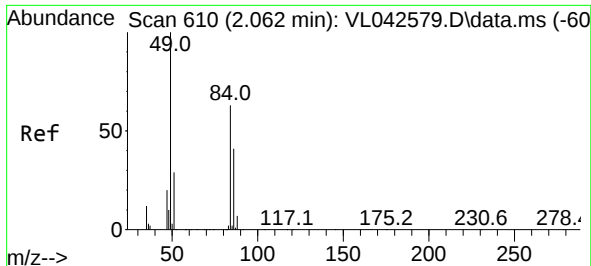


#15
Acetone
Concen: 2.842 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27



Tgt Ion: 43 Resp: 35697
Ion Ratio Lower Upper
43 100
58 23.8 21.0 31.4





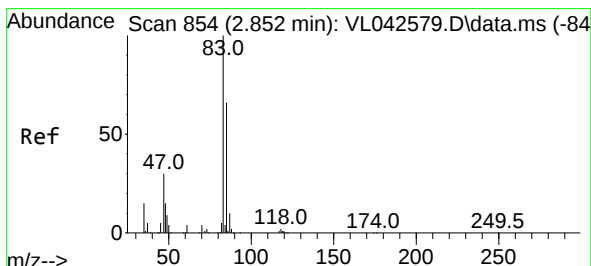
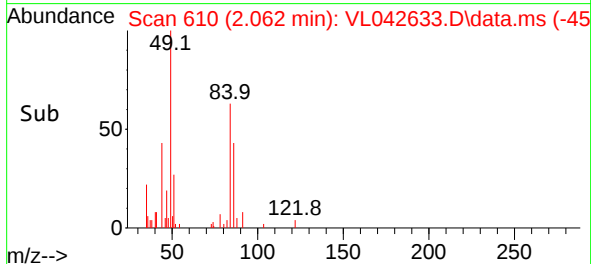
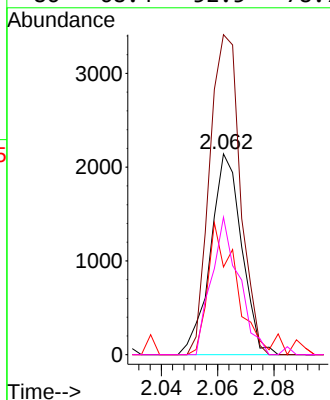
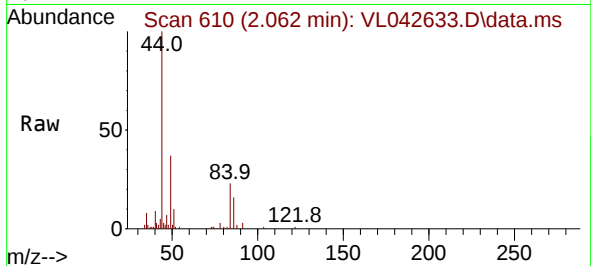
#20
Methylene Chloride
Concen: 0.396 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion:	84	Resp:	164
Ion	Ratio	Lower	Upper
84	100		
49	159.3	128.8	193.2
51	43.7	38.6	57.8
86	68.4	52.5	78.7

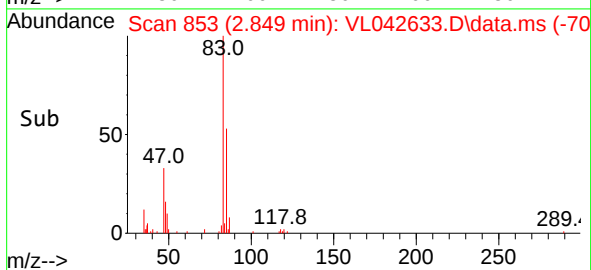
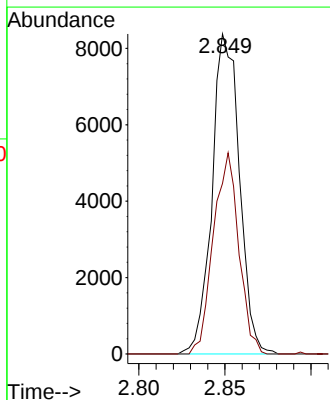
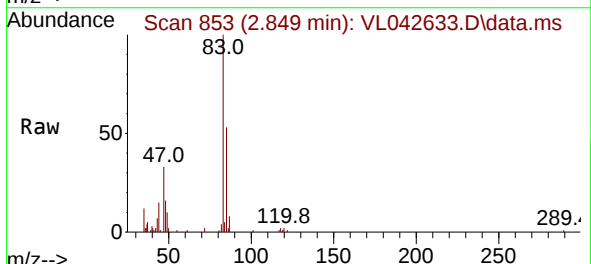
Manual Integrations
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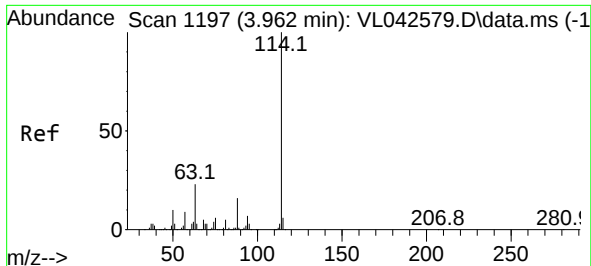
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#29
Chloroform
Concen: 0.457 ppbv
RT: 2.849 min Scan# 853
Delta R.T. -0.003 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27

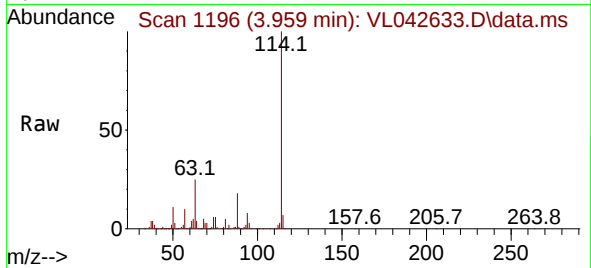
Tgt Ion:	83	Resp:	9275
Ion	Ratio	Lower	Upper
83	100		
85	53.3	52.8	79.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27

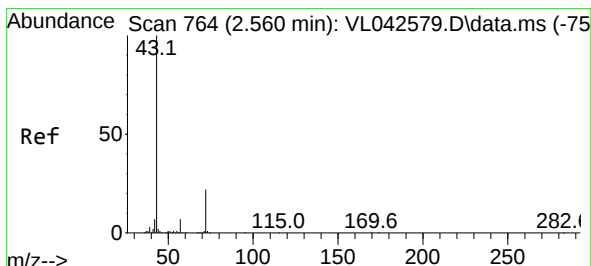
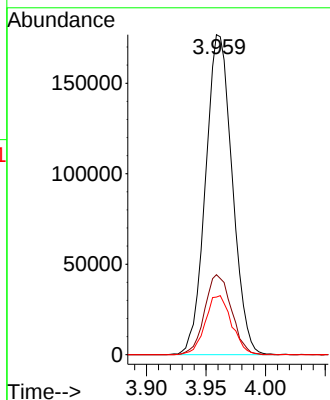
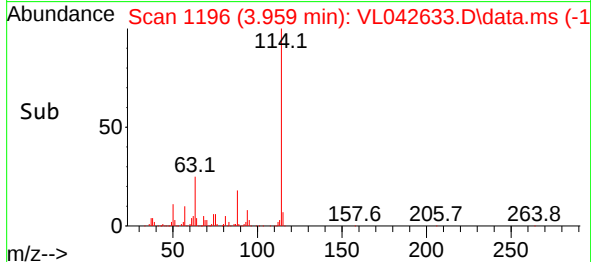
Instrument :
MSVOA_L
ClientSampleId :
115-SG2



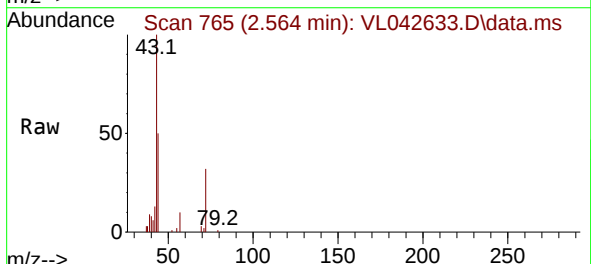
Tgt Ion:114 Resp: 275428
Ion Ratio Lower Upper
114 100
63 25.1 19.0 28.6
88 18.2 13.6 20.4

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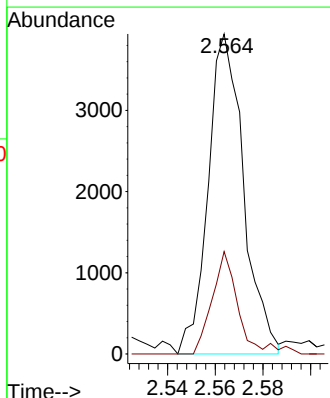
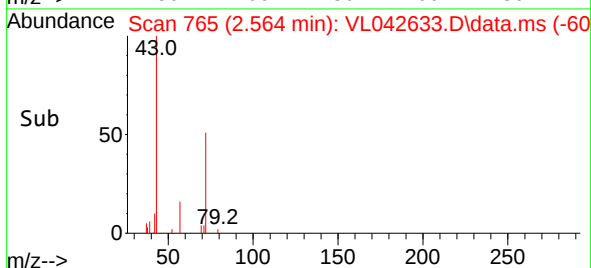
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

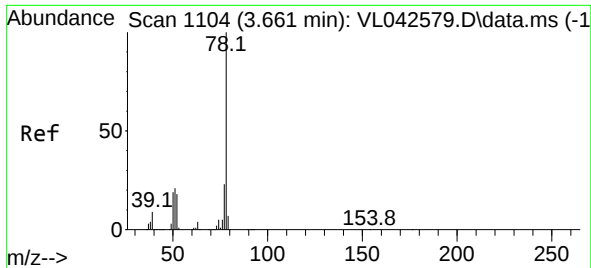


#34
2-Butanone
Concen: 0.207 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27



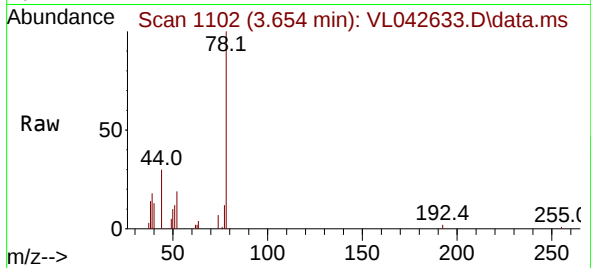
Tgt Ion: 43 Resp: 4064
Ion Ratio Lower Upper
43 100
72 23.8 17.7 26.5





#36
Benzene
Concen: 0.186 ppbv
RT: 3.654 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27

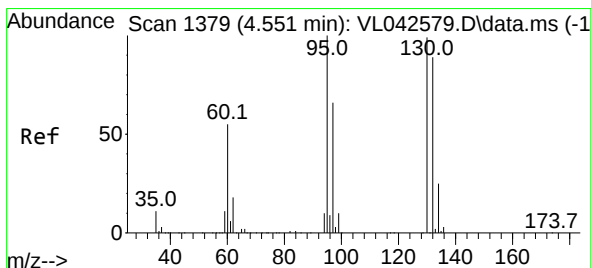
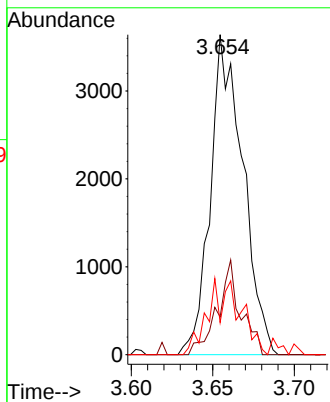
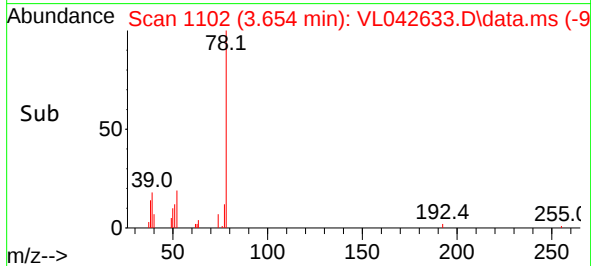
Instrument :
MSVOA_L
ClientSampleId :
115-SG2



Tgt Ion: 78 Resp: 503
Ion Ratio Lower Upper
78 100
77 11.8 18.2 27.2
50 10.1 15.2 22.8

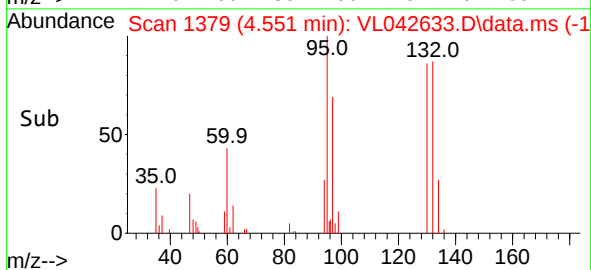
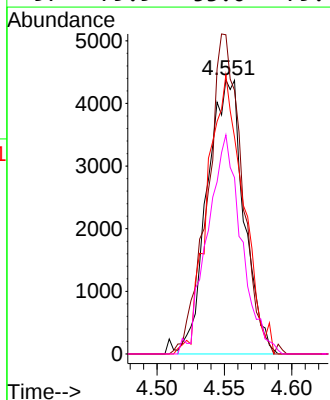
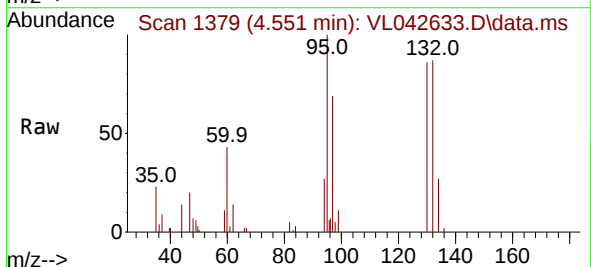
Manual Integrations
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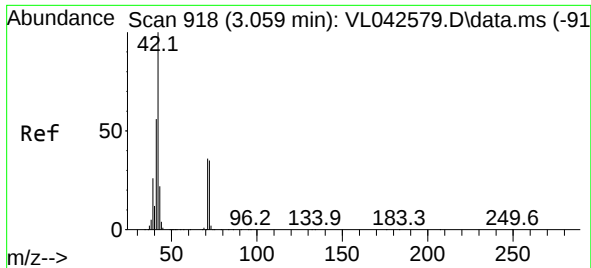
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#38
Trichloroethene
Concen: 0.718 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27

Tgt Ion:130 Resp: 8278
Ion Ratio Lower Upper
130 100
95 119.9 80.6 121.0
132 101.8 71.8 107.6
97 79.9 53.0 79.4





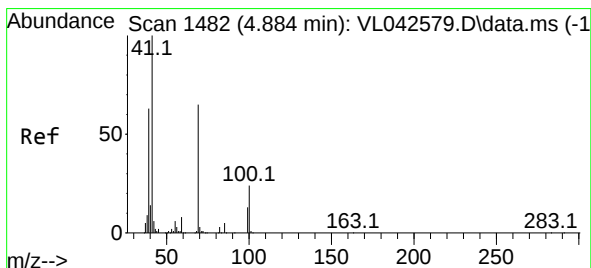
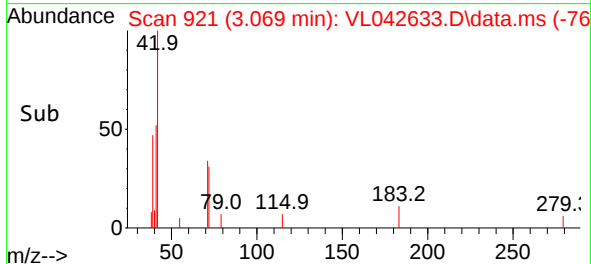
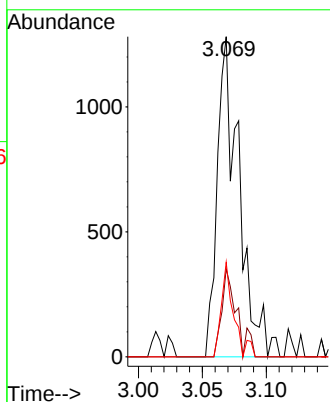
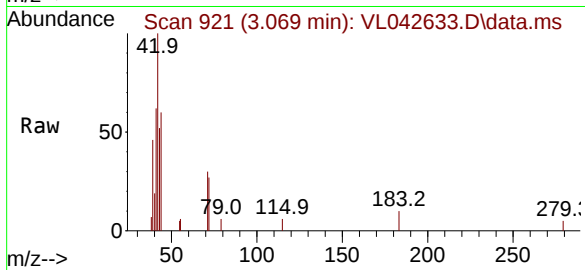
#41
Tetrahydrofuran
Concen: 0.133 ppbv m
RT: 3.069 min Scan# 918
Delta R.T. 0.010 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 42 Resp: 1524
Ion Ratio Lower Upper
42 100
72 18.9 28.9 43.3
71 16.7 28.5 42.7

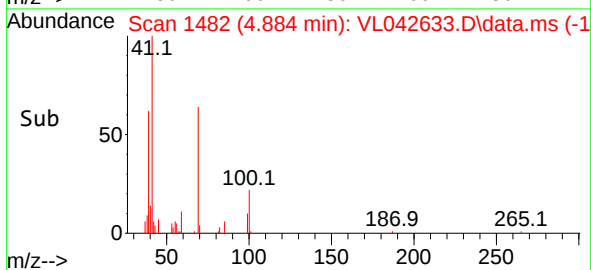
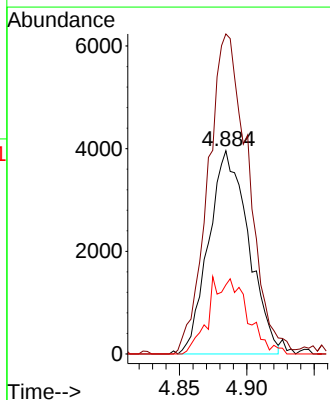
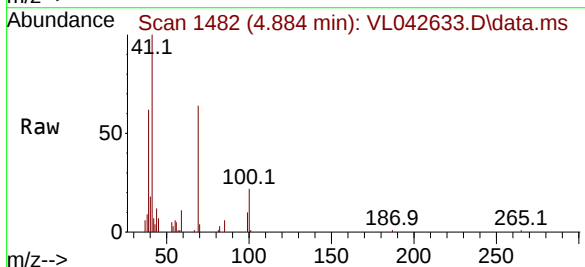
Manual Integrations
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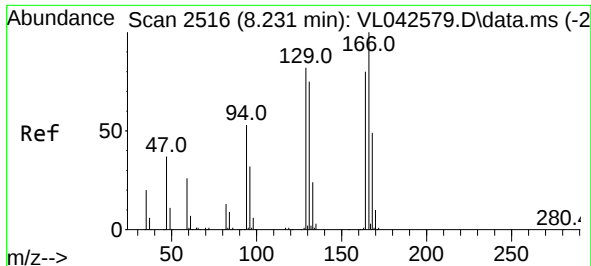
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#43
Methyl Methacrylate
Concen: 0.773 ppbv
RT: 4.884 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27

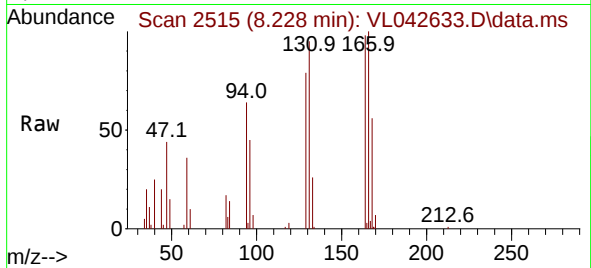
Tgt Ion: 69 Resp: 8142
Ion Ratio Lower Upper
69 100
41 161.0 124.6 187.0
100 36.2 29.9 44.9





#52
Tetrachloroethene
Concen: 0.622 ppbv
RT: 8.228 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27

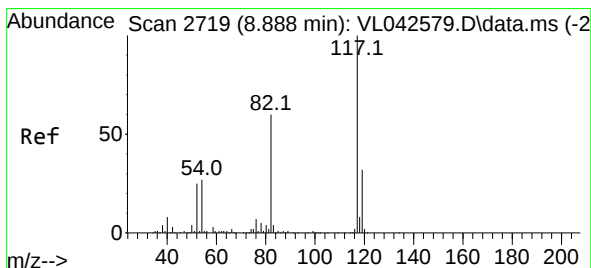
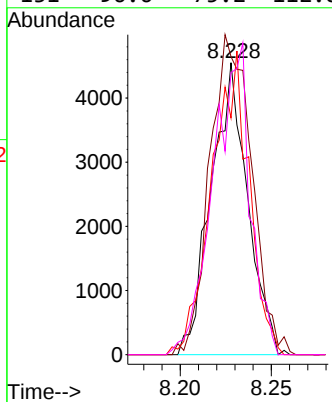
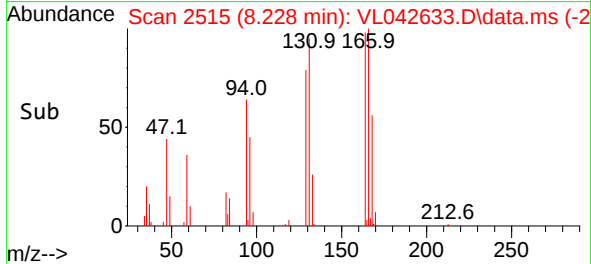
Instrument :
MSVOA_L
ClientSampleId :
115-SG2



Tgt Ion:164 Resp: 630
Ion Ratio Lower Upper
164 100
166 98.9 100.0 150.0
129 79.2 82.2 123.4
131 96.6 75.2 112.8

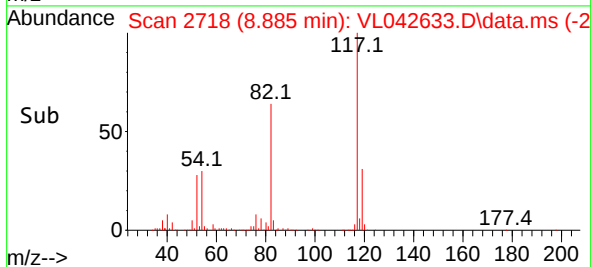
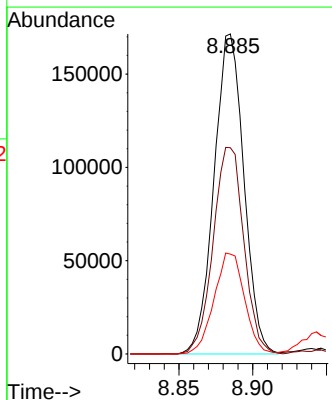
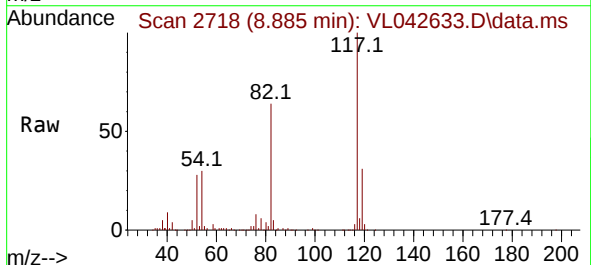
Manual Integrations
APPROVED

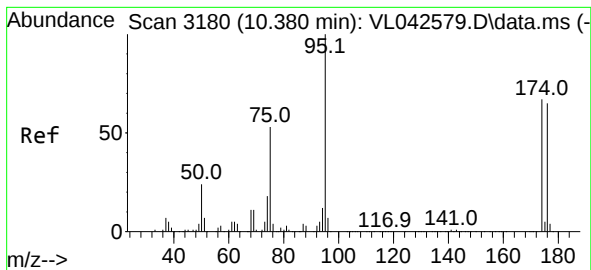
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.003 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27

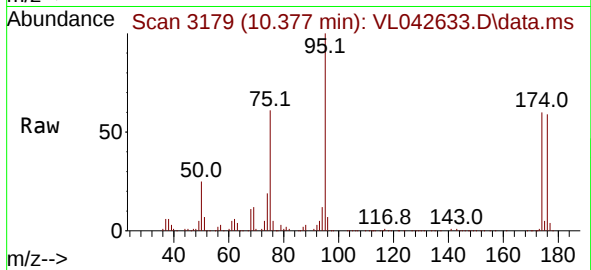
Tgt Ion:117 Resp: 241418
Ion Ratio Lower Upper
117 100
82 66.4 51.2 76.8
119 32.2 26.3 39.5





#68
1-Bromo-4-Fluorobenzene
Concen: 10.097 ppbv
RT: 10.377 min Scan# 3180
Delta R.T. -0.003 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27

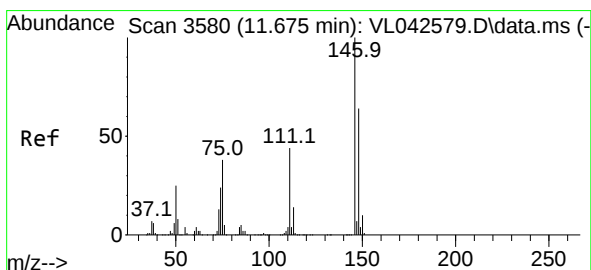
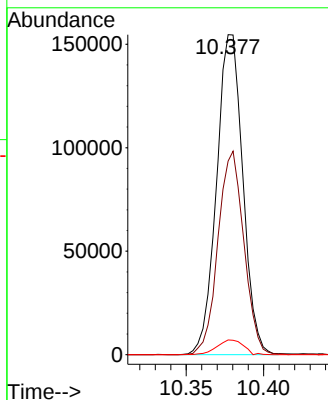
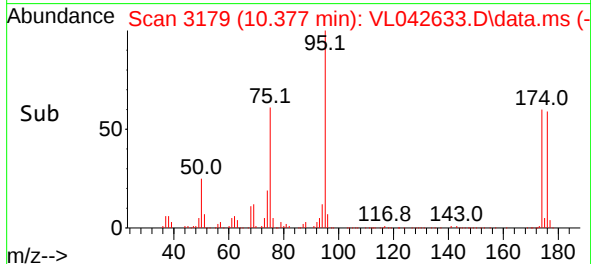
Instrument :
MSVOA_L
ClientSampleId :
115-SG2



Tgt Ion: 95 Resp: 182729
Ion Ratio Lower Upper
95 100
174 62.8 53.1 79.7
175 4.7 4.2 6.2

Manual Integrations
APPROVED

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



#76
1,4-Dichlorobenzene
Concen: 0.189 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL042633.D
Acq: 16 Jun 2025 17:27

Tgt Ion:146 Resp: 4346
Ion Ratio Lower Upper
146 100
111 46.1 21.6 64.8
148 65.8 32.1 96.5

