

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
 Data File : VL042875.D
 Acq On : 21 Aug 2025 20:49
 Operator : SY/MD
 Sample : Q2898-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 22 01:28:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 29 04:13:39 2025
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	129055	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	359766	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	312105	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	245698	10.497	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.000%
Target Compounds						Qvalue
9) Propene	1.486	41	4423	0.490	ppbv	96
10) Heptane	4.991	43	3898m	0.161	ppbv	
13) Ethanol	1.722	45	47758	57.850	ppbv	89
15) Acetone	1.839	43	60296	3.532	ppbv	99
19) Isopropyl Alcohol	1.891	45	12424	1.218	ppbv #	1
20) Methylene Chloride	2.062	84	1651	0.231	ppbv	90
26) Hexane	2.829	57	16759	0.879	ppbv #	45
29) Chloroform	2.852	83	48050	1.765	ppbv	94
32) 1,1,1-Trichloroethane	3.373	97	7578	0.263	ppbv	95
34) 2-Butanone	2.567	43	6505	0.268	ppbv	99
38) Trichloroethene	4.561	130	5589m	0.355	ppbv	
52) Tetrachloroethene	8.225	164	12383m	0.994	ppbv	
53) Toluene	6.940	91	15689m	0.383	ppbv	
59) m/p-Xylene	9.539	91	7754m	0.180	ppbv	
74) 1,2,4-Trimethylbenzene	11.542	105	6417m	0.131	ppbv	

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

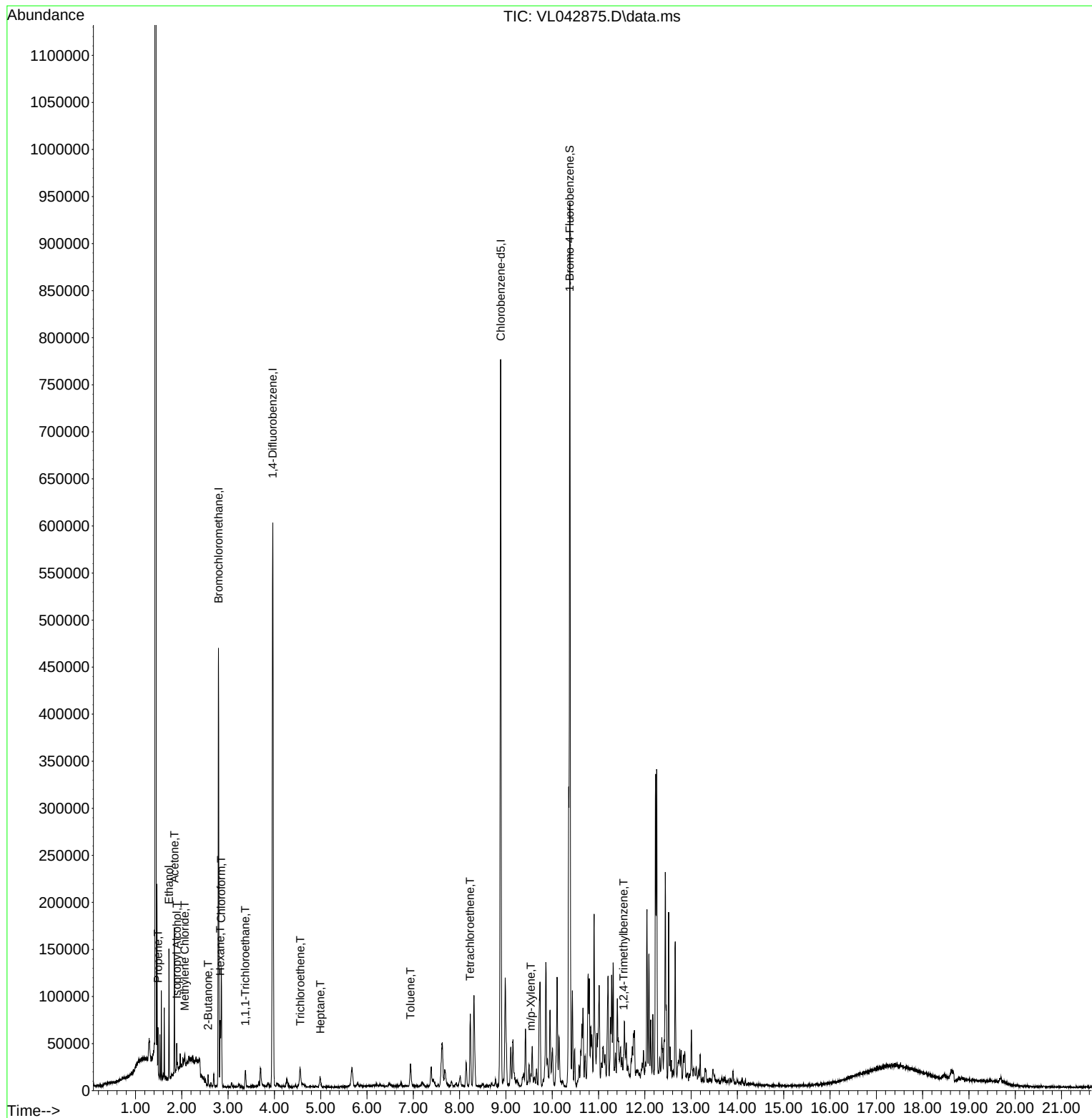
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
Data File : VL042875.D
Acq On : 21 Aug 2025 20:49
Operator : SY/MD
Sample : Q2898-01 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

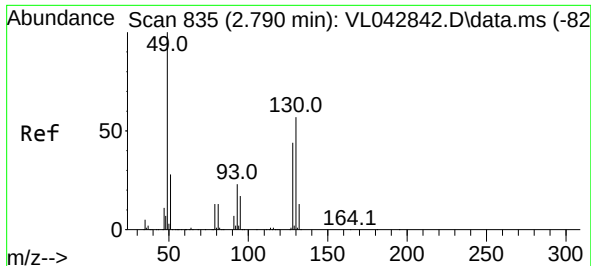
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Aug 22 01:28:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Manual Integrations
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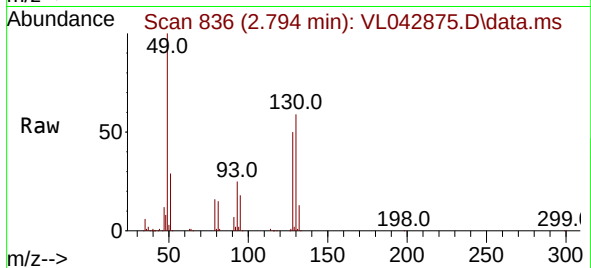
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 835
Delta R.T. 0.004 min
Lab File: VL042875.D
Acq: 21 Aug 2025 20:49

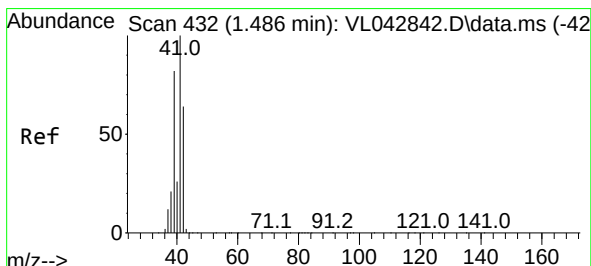
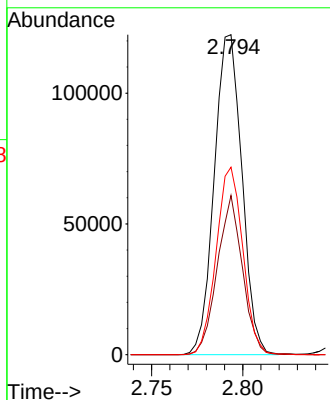
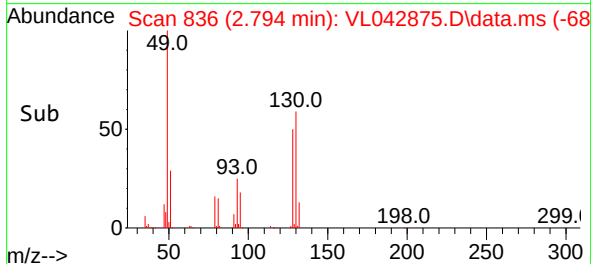
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 12905
Ion Ratio Lower Upper
49 100
128 45.2 23.7 71.1
130 56.6 30.6 91.6

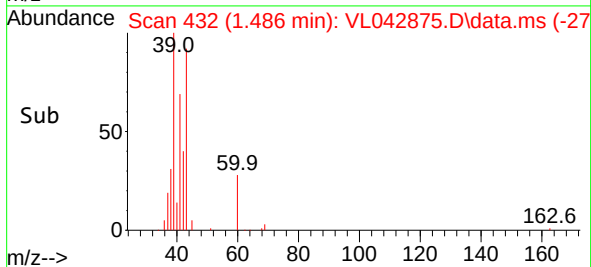
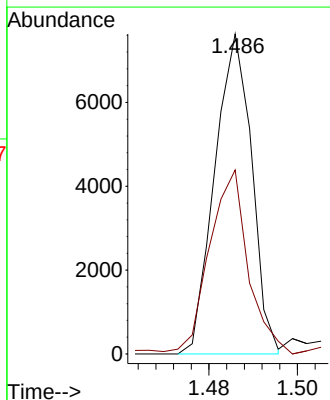
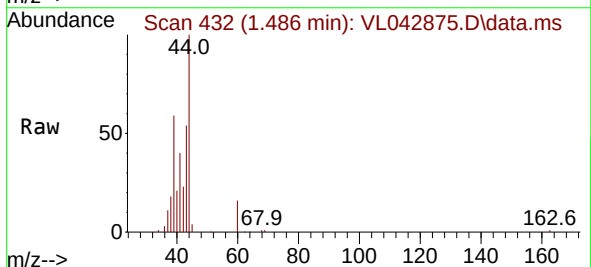
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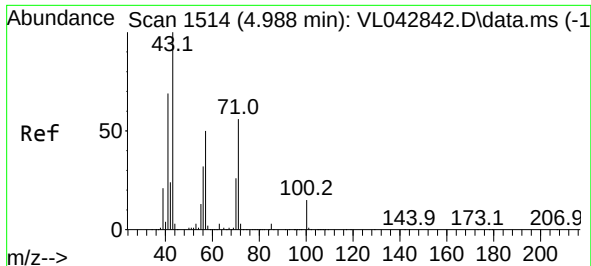
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#9
Propene
Concen: 0.490 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.000 min
Lab File: VL042875.D
Acq: 21 Aug 2025 20:49

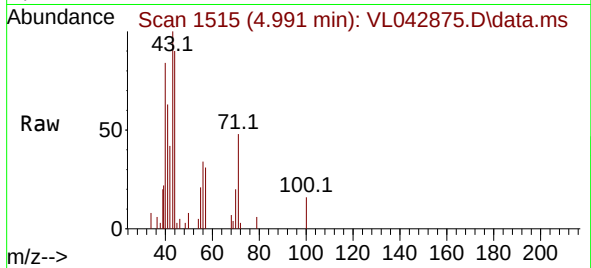
Tgt Ion: 41 Resp: 4423
Ion Ratio Lower Upper
41 100
42 69.1 53.0 79.4





#10
Heptane
Concen: 0.161 ppbv m
RT: 4.991 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042875.D
Acq: 21 Aug 2025 20:49

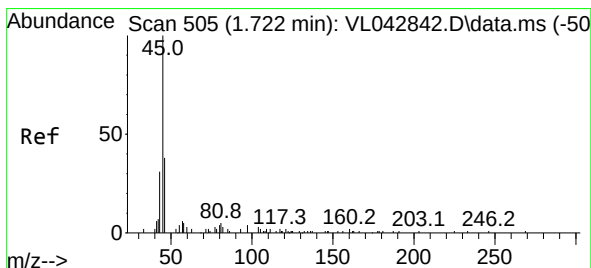
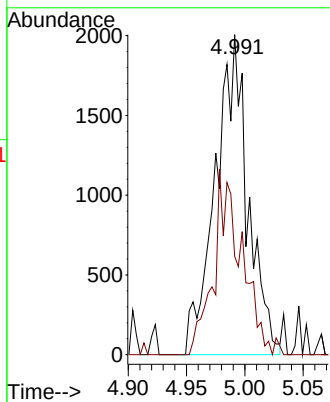
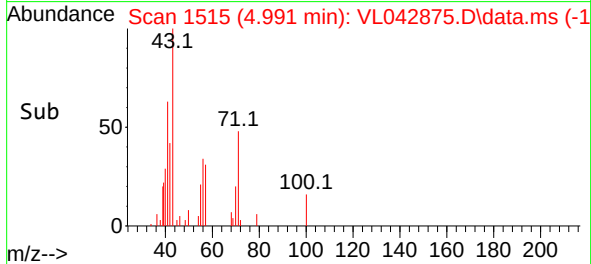
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 389
Ion Ratio Lower Upper
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57 0.0 41.4 62.0

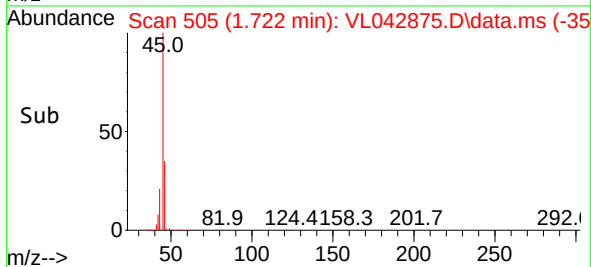
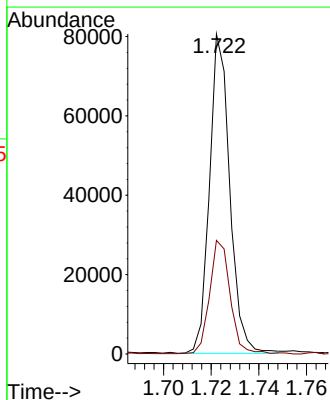
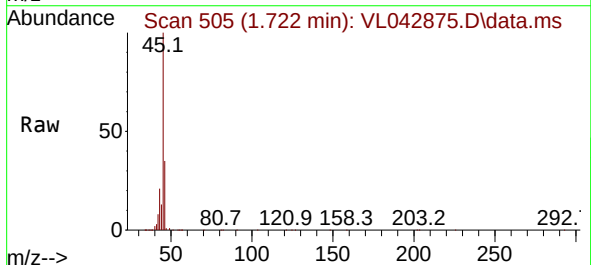
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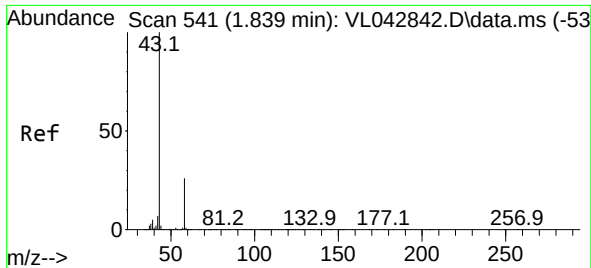
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#13
Ethanol
Concen: 57.850 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042875.D
Acq: 21 Aug 2025 20:49

Tgt Ion: 45 Resp: 47758
Ion Ratio Lower Upper
45 100
46 36.6 17.5 69.9





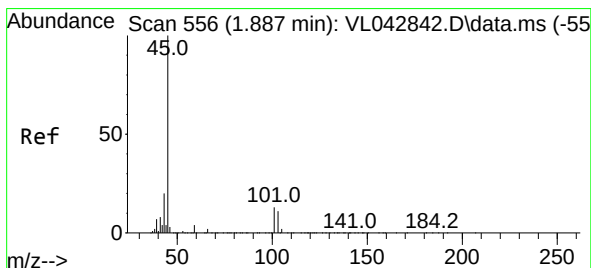
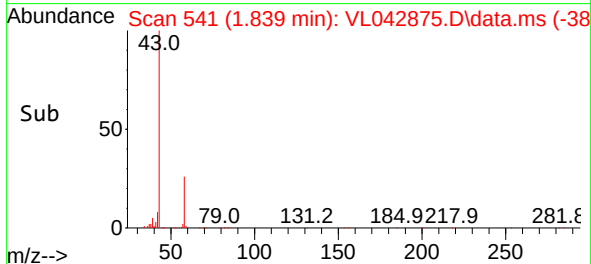
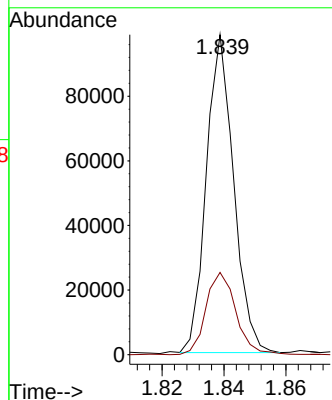
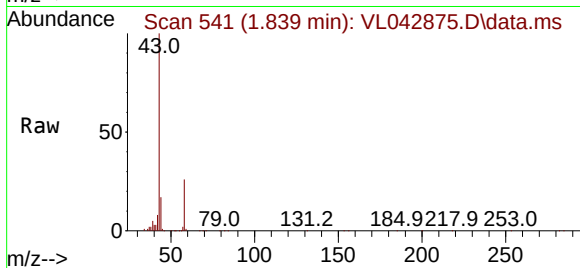
#15
Acetone
Concen: 3.532 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042875.D
Acq: 21 Aug 2025 20:49

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 60290
Ion Ratio Lower Upper
43 100
58 28.6 22.4 33.6

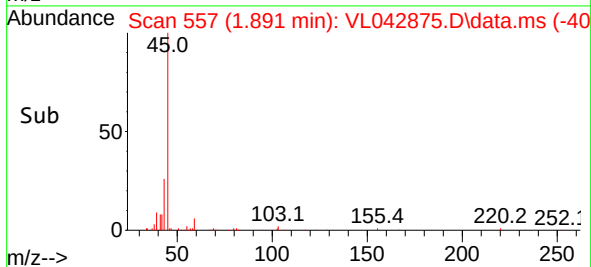
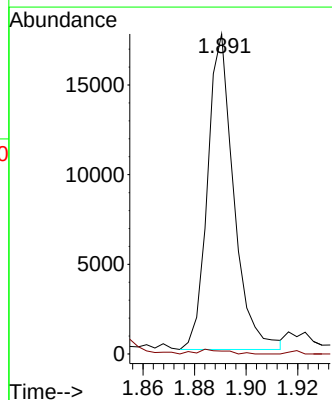
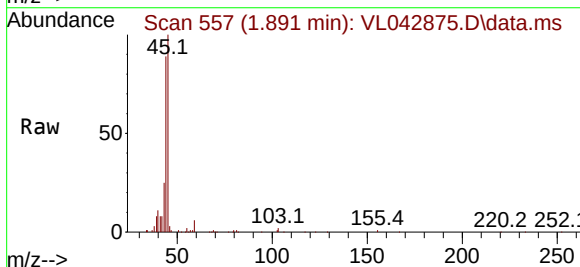
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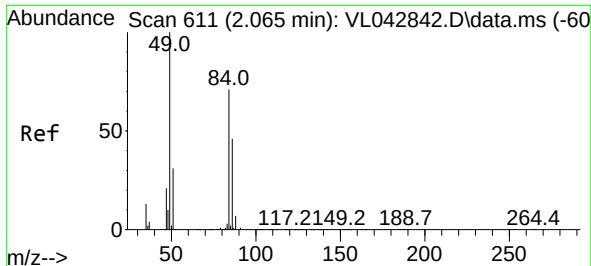
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#19
Isopropyl Alcohol
Concen: 1.218 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.003 min
Lab File: VL042875.D
Acq: 21 Aug 2025 20:49

Tgt Ion: 45 Resp: 12424
Ion Ratio Lower Upper
45 100
58 138.6 32.7 49.1#





#20

Methylene Chloride

Concen: 0.231 ppbv

RT: 2.062 min Scan# 611

Delta R.T. -0.003 min

Lab File: VL042875.D

Acq: 21 Aug 2025 20:49

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 84 Resp: 165

Ion Ratio Lower Upper

84 100

49 152.0 112.3 168.5

51 37.1 36.0 54.0

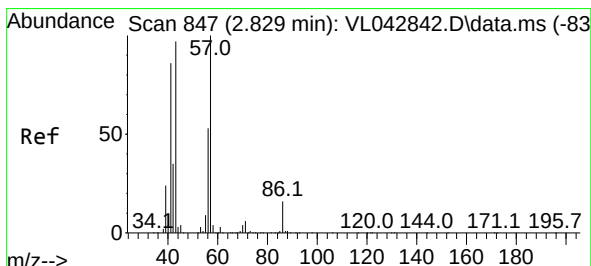
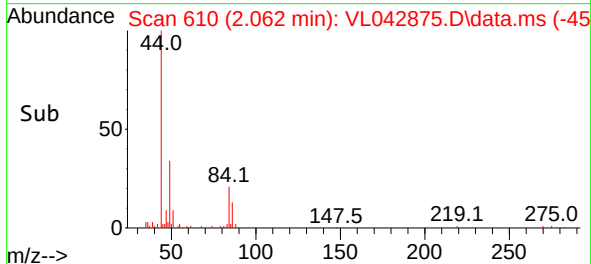
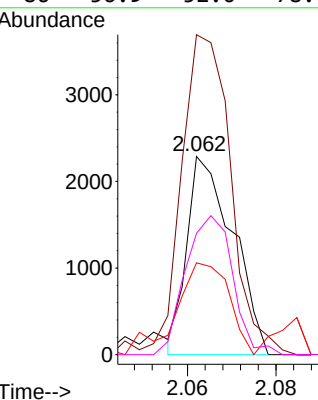
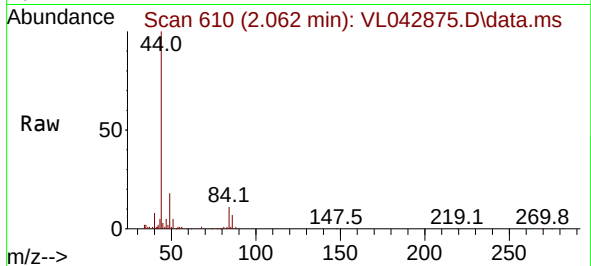
86 56.9 52.0 78.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/25/2025

Supervised By :Semsettin Yesilyurt 08/25/2025



#26

Hexane

Concen: 0.879 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.000 min

Lab File: VL042875.D

Acq: 21 Aug 2025 20:49

Tgt Ion: 57 Resp: 16759

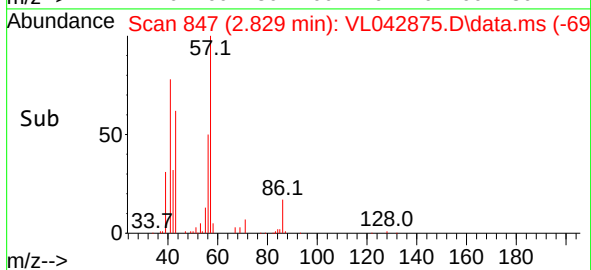
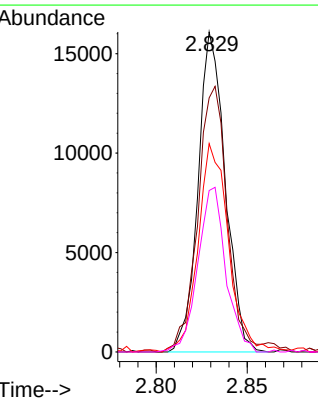
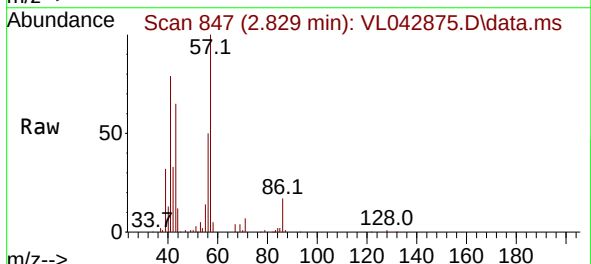
Ion Ratio Lower Upper

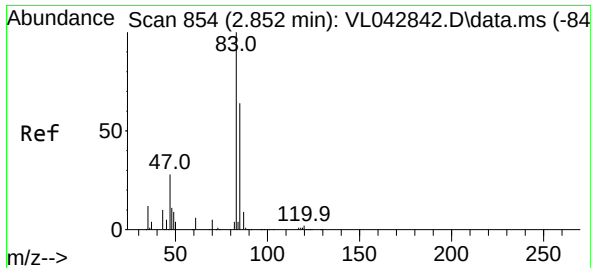
57 100

41 92.9 68.6 103.0

43 74.2 168.5 252.7#

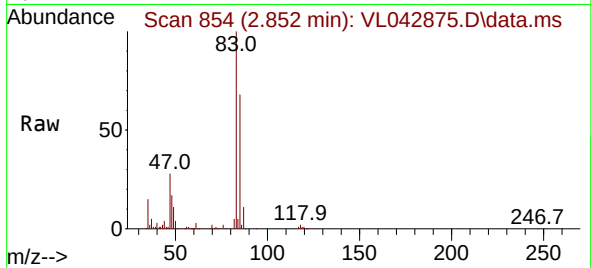
56 53.3 41.5 62.3





#29
Chloroform
Concen: 1.765 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.000 min
Lab File: VL042875.D
Acq: 21 Aug 2025 20:49

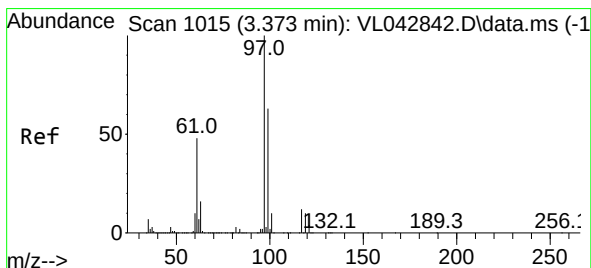
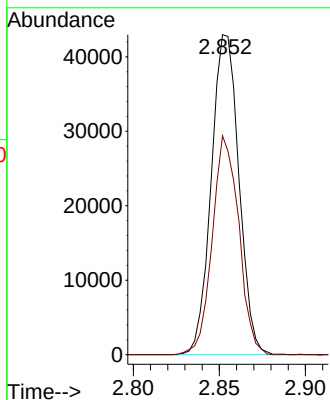
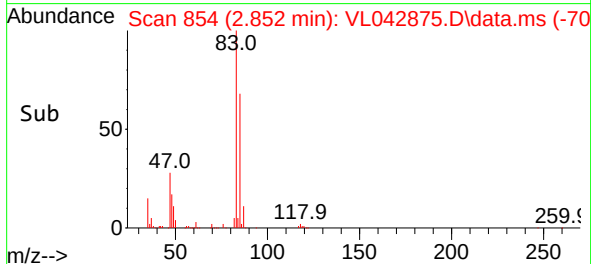
Instrument :
MSVOA_L
ClientSampleId :
SV1



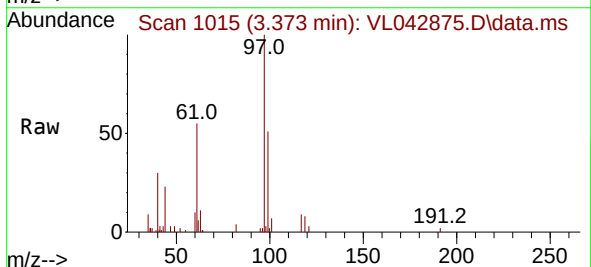
Tgt Ion: 83 Resp: 48050
Ion Ratio Lower Upper
83 100
85 68.4 51.1 76.7

Manual Integrations
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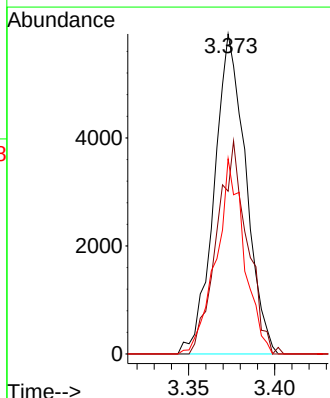
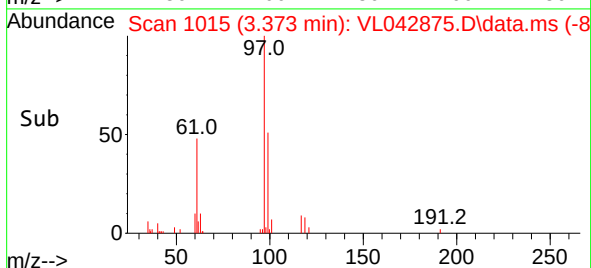
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

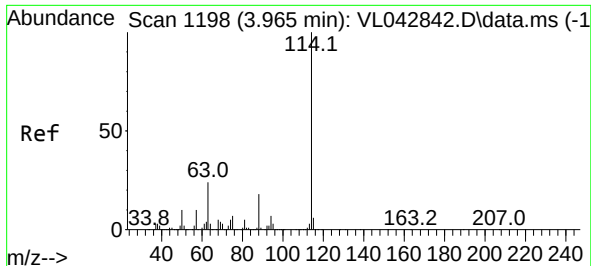


#32
1,1,1-Trichloroethane
Concen: 0.263 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.000 min
Lab File: VL042875.D
Acq: 21 Aug 2025 20:49



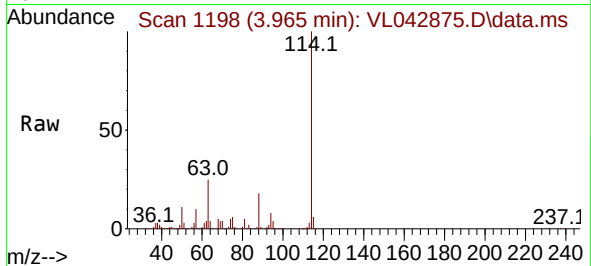
Tgt Ion: 97 Resp: 7578
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.6
61 54.3 38.0 57.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.000 min
Lab File: VL042875.D
Acq: 21 Aug 2025 20:49

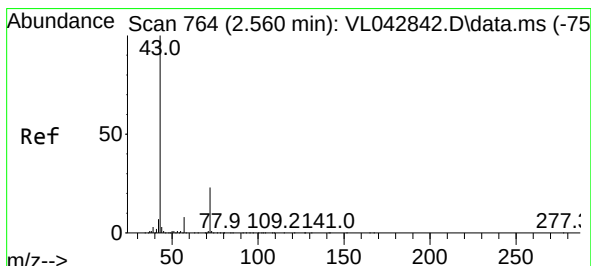
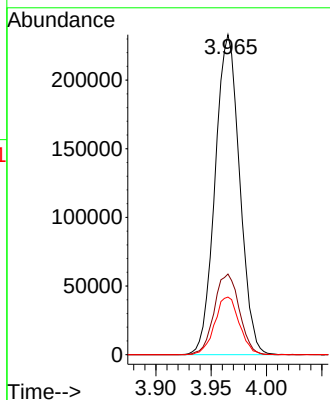
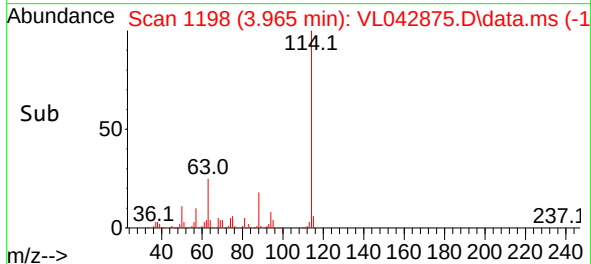
Instrument :
MSVOA_L
ClientSampleId :
SV1



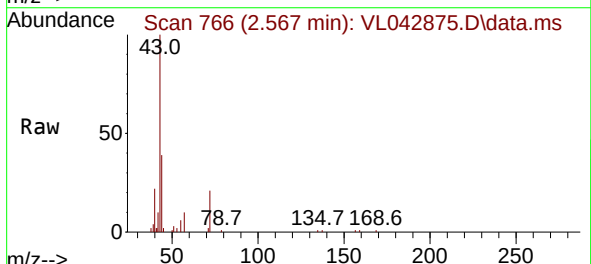
Tgt Ion:114 Resp: 359760
Ion Ratio Lower Upper
114 100
63 25.7 19.7 29.5
88 18.1 14.4 21.6

Manual Integrations
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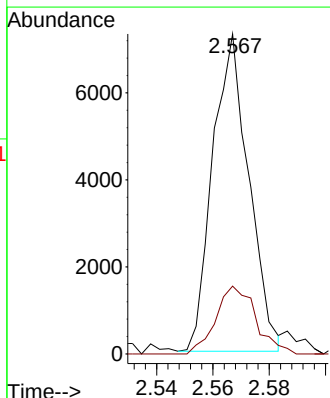
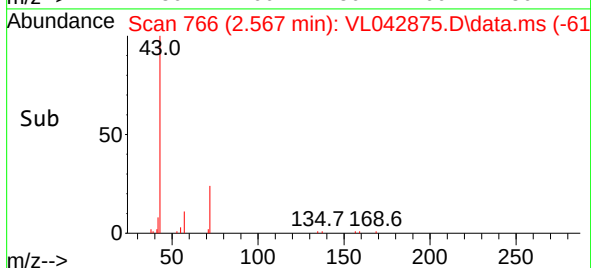
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

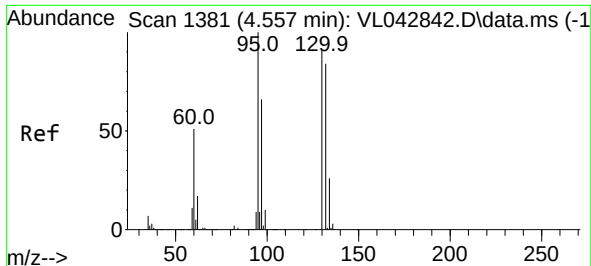


#34
2-Butanone
Concen: 0.268 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.006 min
Lab File: VL042875.D
Acq: 21 Aug 2025 20:49



Tgt Ion: 43 Resp: 6505
Ion Ratio Lower Upper
43 100
72 23.6 18.6 28.0





#38

Trichloroethene

Concen: 0.355 ppbv m

RT: 4.561 min Scan# 1381

Delta R.T. 0.003 min

Lab File: VL042875.D

Acq: 21 Aug 2025 20:49

Instrument :

MSVOA_L

ClientSampleId :

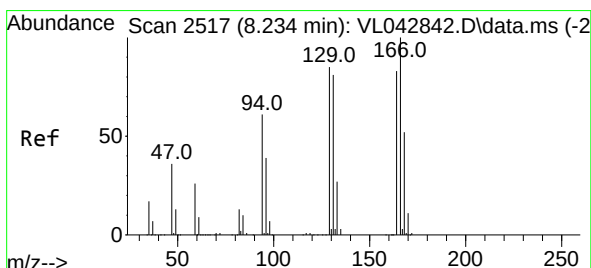
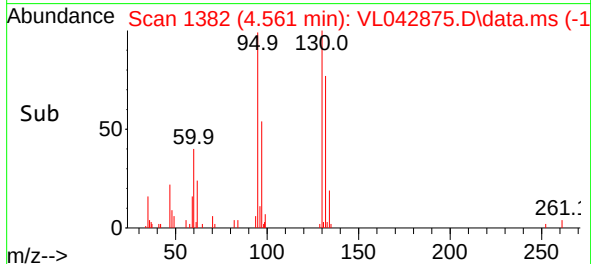
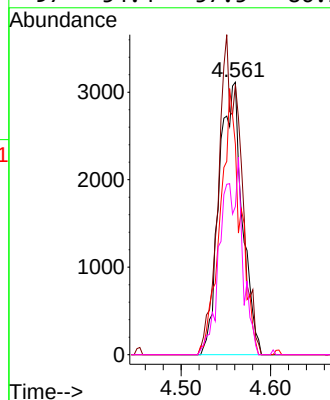
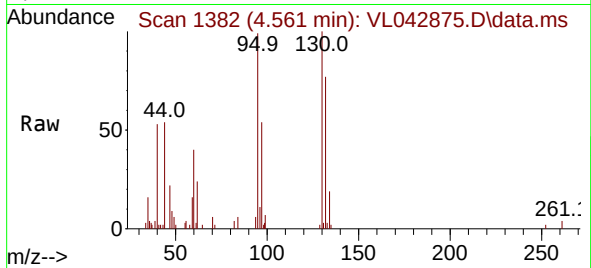
SV1

Tgt Ion:	130	Resp:	5589
Ion Ratio	Lower	Upper	
130	100		
95	99.1	87.6	131.4
132	77.2	73.8	110.8
97	54.4	57.5	86.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#52

Tetrachloroethene

Concen: 0.994 ppbv m

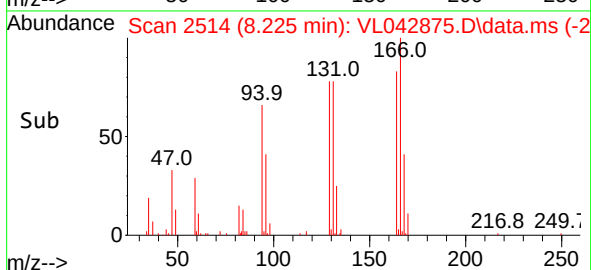
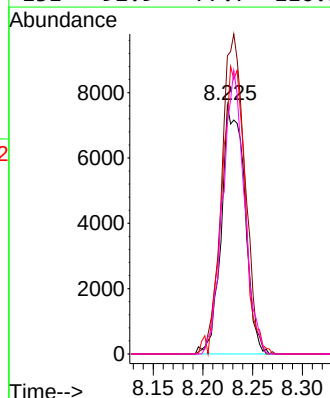
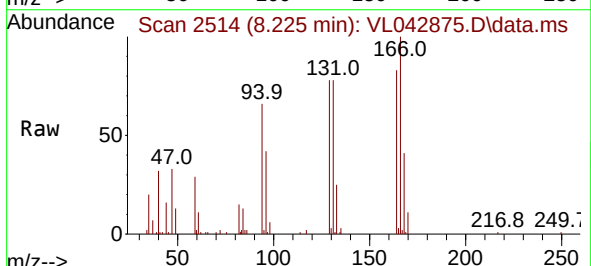
RT: 8.225 min Scan# 2514

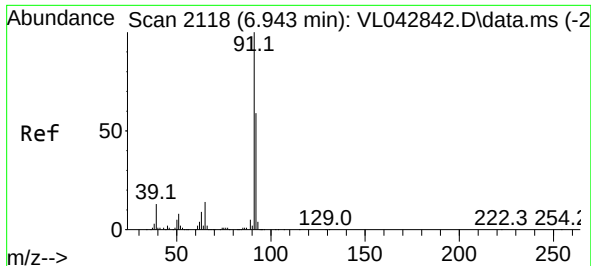
Delta R.T. -0.010 min

Lab File: VL042875.D

Acq: 21 Aug 2025 20:49

Tgt Ion:	164	Resp:	12383
Ion Ratio	Lower	Upper	
164	100		
166	119.9	96.5	144.7
129	93.2	81.8	122.6
131	92.9	77.7	116.5





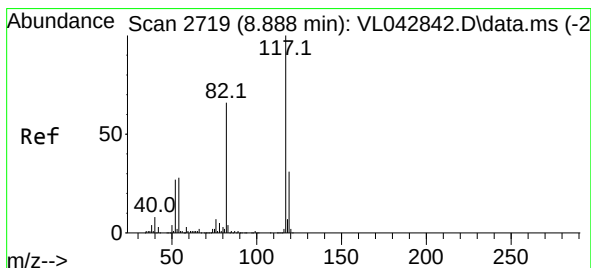
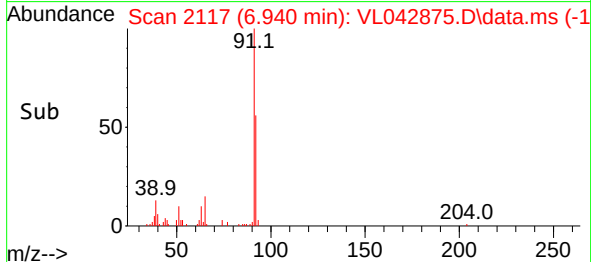
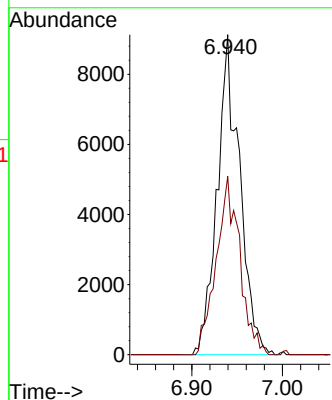
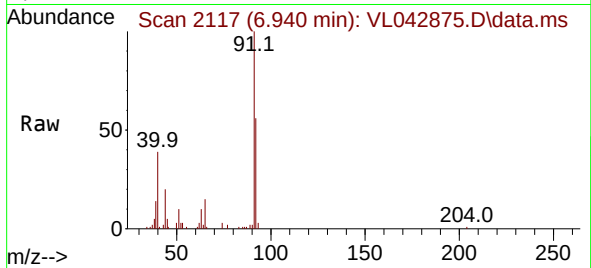
#53
Toluene
Concen: 0.383 ppbv m
RT: 6.940 min Scan# 2118
Delta R.T. -0.003 min
Lab File: VL042875.D
Acq: 21 Aug 2025 20:49

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 15689
Ion Ratio Lower Upper
91 100
92 58.6 47.8 71.6

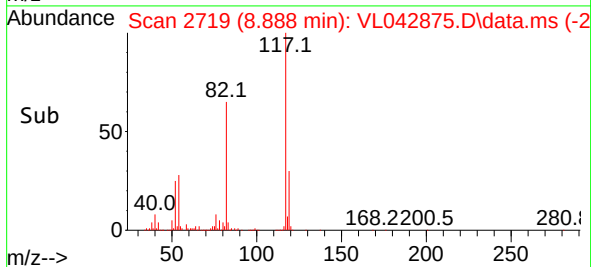
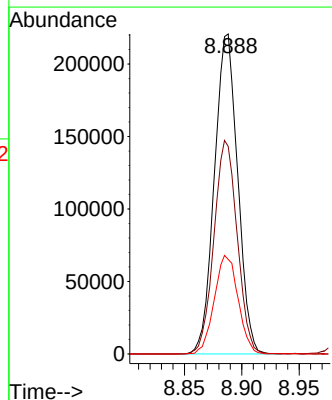
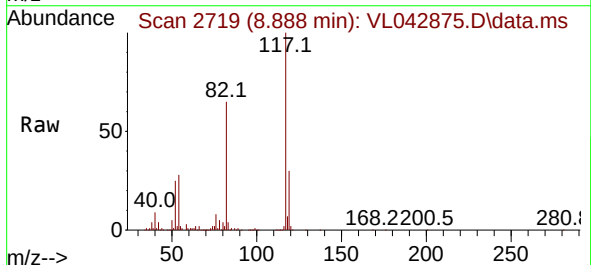
Manual Integrations
APPROVED

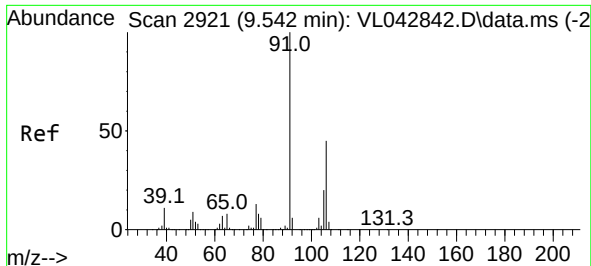
Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042875.D
Acq: 21 Aug 2025 20:49

Tgt Ion:117 Resp: 312105
Ion Ratio Lower Upper
117 100
82 66.8 54.6 81.8
119 31.6 25.9 38.9





#59

m/p-Xylene

Concen: 0.180 ppbv m

RT: 9.539 min Scan# 2921

Delta R.T. -0.003 min

Lab File: VL042875.D

Acq: 21 Aug 2025 20:49

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 7754

Ion Ratio Lower Upper

91 100

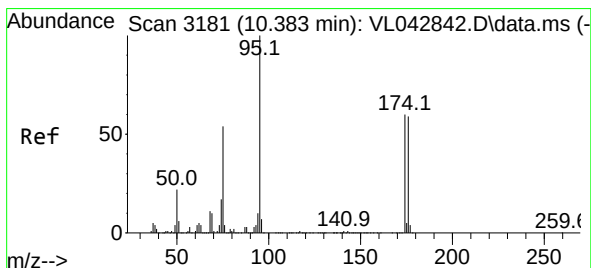
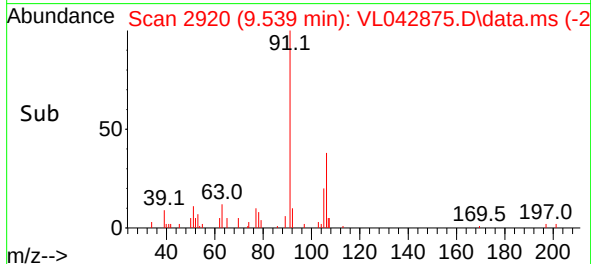
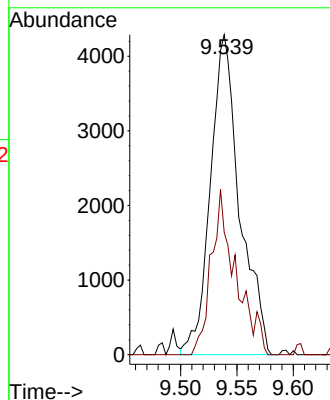
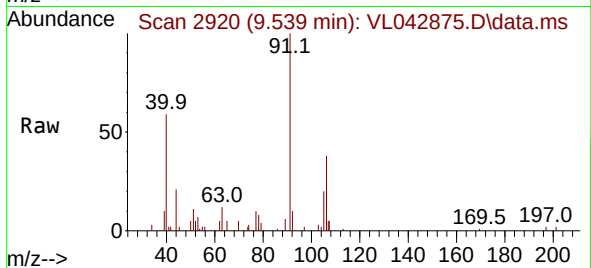
106 43.5 0.0 0.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/25/2025

Supervised By :Semsettin Yesilyurt 08/25/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.497 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. -0.003 min

Lab File: VL042875.D

Acq: 21 Aug 2025 20:49

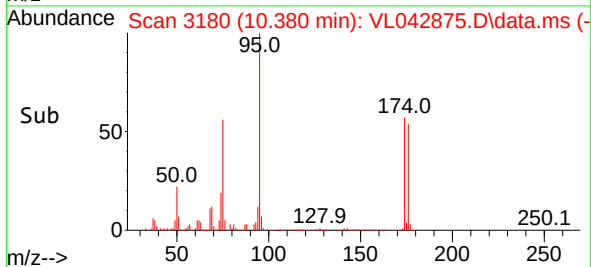
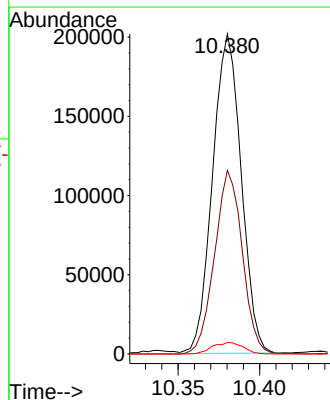
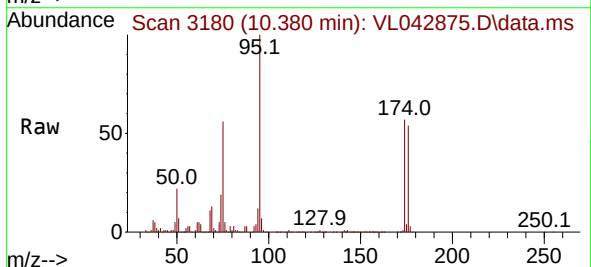
Tgt Ion: 95 Resp: 245698

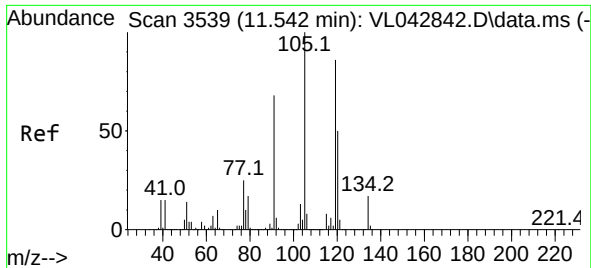
Ion Ratio Lower Upper

95 100

174 55.7 48.4 72.6

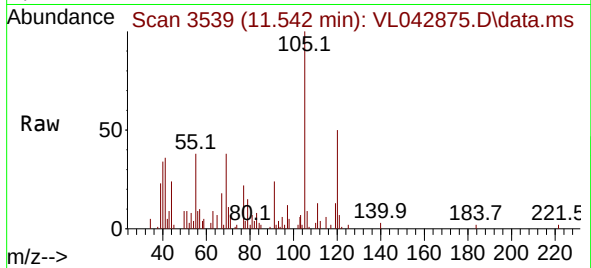
175 3.9 3.8 5.8





#74
1,2,4-Trimethylbenzene
Concen: 0.131 ppbv m
RT: 11.542 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VL042875.D
Acq: 21 Aug 2025 20:49

Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:	105	Resp:	641
Ion	Ratio	Lower	Upper
105	100		
120	50.0	39.8	59.6
91	23.9	54.2	81.4
77	21.8	19.8	29.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

