

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042512.D
 Acq On : 07 May 2025 11:37
 Operator : SY/MD
 Sample : MDL1 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45

Quant Time: May 08 01:31:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/08/2025
 Supervised By : Mahesh Dadoda 05/09/2025

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

Internal Standards						
1) Bromochloromethane	2.790	49	79918	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	213267	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	174659	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	153655	9.489	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	7036	0.532	ppbv	98
3) Chlorodifluoromethane	1.476	51	7770	0.556	ppbv	96
4) Chloromethane	1.535	50	3026	0.547	ppbv	96
5) Vinyl Chloride	1.580	62	2950	0.530	ppbv	96
6) Bromomethane	1.667	94	1759	0.669	ppbv #	61
7) Chloroethane	1.706	64	1269	0.618	ppbv #	66
8) Dichlorotetrafluoroethane	1.554	85	5638	0.517	ppbv	96
9) Propene	1.483	41	2738	0.599	ppbv	93
10) Heptane	4.982	43	4817m	0.406	ppbv	
11) Trichlorofluoromethane	1.878	101	6043	0.495	ppbv	90
12) 1,1,2-Trichlorotrifluo...	2.140	101	5535	0.568	ppbv	96
13) Ethanol	1.725	45	778m	0.838	ppbv	
14) Bromoethene	1.784	108	1820	0.506	ppbv #	84
15) Acetone	1.839	43	9180	0.629	ppbv	96
16) 1,3-Butadiene	1.609	39	3191	0.496	ppbv	96
17) tert-Butyl alcohol	2.046	59	6807	0.530	ppbv #	93
18) 1,1-Dichloroethene	2.036	96	2586	0.568	ppbv	91
19) Isopropyl Alcohol	1.887	45	4534	0.562	ppbv #	95
20) Methylene Chloride	2.065	84	2560	0.584	ppbv #	80
21) Allyl Chloride	2.098	41	4878	0.520	ppbv #	91
22) trans-1,2-Dichloroethene	2.344	96	2906	0.547	ppbv	82
23) Vinyl Acetate	2.463	43	7992	0.574	ppbv #	87
24) 1,1-Dichloroethane	2.408	63	5580	0.515	ppbv #	95
25) Ethyl Acetate	2.845	43	8757	0.375	ppbv #	86
26) Hexane	2.826	57	4657	0.458	ppbv	92
27) Carbon Disulfide	2.153	76	5958	0.502	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	2935m	0.480	ppbv	
29) Chloroform	2.849	83	10375	0.544	ppbv	87
30) Cyclohexane	3.865	84	3186m	0.374	ppbv	
31) cis-1,2-Dichloroethene	2.726	61	5701	0.480	ppbv #	72
32) 1,1,1-Trichloroethane	3.370	97	9357	0.452	ppbv	97
34) 2-Butanone	2.564	43	8393	0.544	ppbv #	89
35) Carbon Tetrachloride	3.761	117	9780	0.505	ppbv	84
36) Benzene	3.655	78	10264m	0.510	ppbv	
37) 1,2-Dichloroethane	3.224	62	7910	0.510	ppbv #	96
38) Trichloroethene	4.551	130	3828m	0.499	ppbv	
39) 1,2-Dichloropropane	4.331	63	4209m	0.559	ppbv	
40) 1,4-Dioxane	4.606	88	1892m	0.536	ppbv	
41) Tetrahydrofuran	3.069	42	3404	0.464	ppbv #	90
42) Bromodichloromethane	4.490	83	9551m	0.504	ppbv	
43) Methyl Methacrylate	4.901	69	3236m	0.431	ppbv	
44) 2,2,4-Trimethylpentane	4.648	57	14999m	0.460	ppbv	
45) t-1,3-Dichloropropene	6.428	75	3595m	0.365	ppbv	

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Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025

Quant Time: May 08 01:31:36 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M

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

QLast Update : Fri May 02 03:16:31 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	4693m	0.401	ppbv	
47) 1,1,2-Trichloroethane	6.590	97	4827m	0.584	ppbv	
48) Dibromochloromethane	7.393	129	6556m	0.470	ppbv	
49) Bromoform	9.487	173	5259	0.450	ppbv	94
50) 4-Methyl-2-Pentanone	5.778	43	8744m	0.448	ppbv	
51) 2-Hexanone	7.451	43	5596m	0.359	ppbv	
52) Tetrachloroethene	8.231	164	3536m	0.462	ppbv	
53) Toluene	6.936	91	9058m	0.425	ppbv	
54) 1,2-Dibromoethane	7.661	107	5669m	0.449	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.930	131	5800m	0.562	ppbv	
57) Chlorobenzene	8.927	112	9037	0.515	ppbv #	82
58) Ethyl Benzene	9.361	91	10381	0.356	ppbv	95
59) m/p-Xylene	9.552	91	17882m	0.731	ppbv	
60) o-Xylene	9.969	91	8402m	0.343	ppbv	
61) Styrene	9.869	104	3314m	0.362	ppbv	
62) Isopropylbenzene	10.545	105	13940	0.394	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	8887	0.526	ppbv	90
64) n-propylbenzene	10.995	120	3244	0.376	ppbv	78
65) tert-Butylbenzene	11.532	119	9987	0.317	ppbv	90
66) Benzyl Chloride	11.617	91	1758	0.482	ppbv #	84
67) sec-Butylbenzene	11.772	105	16239	0.362	ppbv	93
69) p-Isopropyltoluene	11.927	119	11728	0.311	ppbv	93
70) n-Butylbenzene	12.287	91	11644	0.298	ppbv	97
71) 2-Chlorotoluene	10.905	91	10356	0.374	ppbv	98
72) 4-Ethyltoluene	11.128	105	10768	0.373	ppbv	98
73) 1,3,5-Trimethylbenzene	11.206	105	8874	0.349	ppbv	96
74) 1,2,4-Trimethylbenzene	11.539	105	10209	0.332	ppbv	95
75) 1,3-Dichlorobenzene	11.610	146	7478	0.437	ppbv	92
76) 1,4-Dichlorobenzene	11.675	146	7534	0.465	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	9067	0.541	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	8513	0.509	ppbv	96
79) Naphthalene	13.520	128	6381	0.247	ppbv #	90
80) Naphthalene,2-methyl-	14.458	142	2236	0.116	ppbv	93
81) 1,2,4-Trichlorobenzene	13.445	180	4198	0.304	ppbv	96

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

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APPROVED

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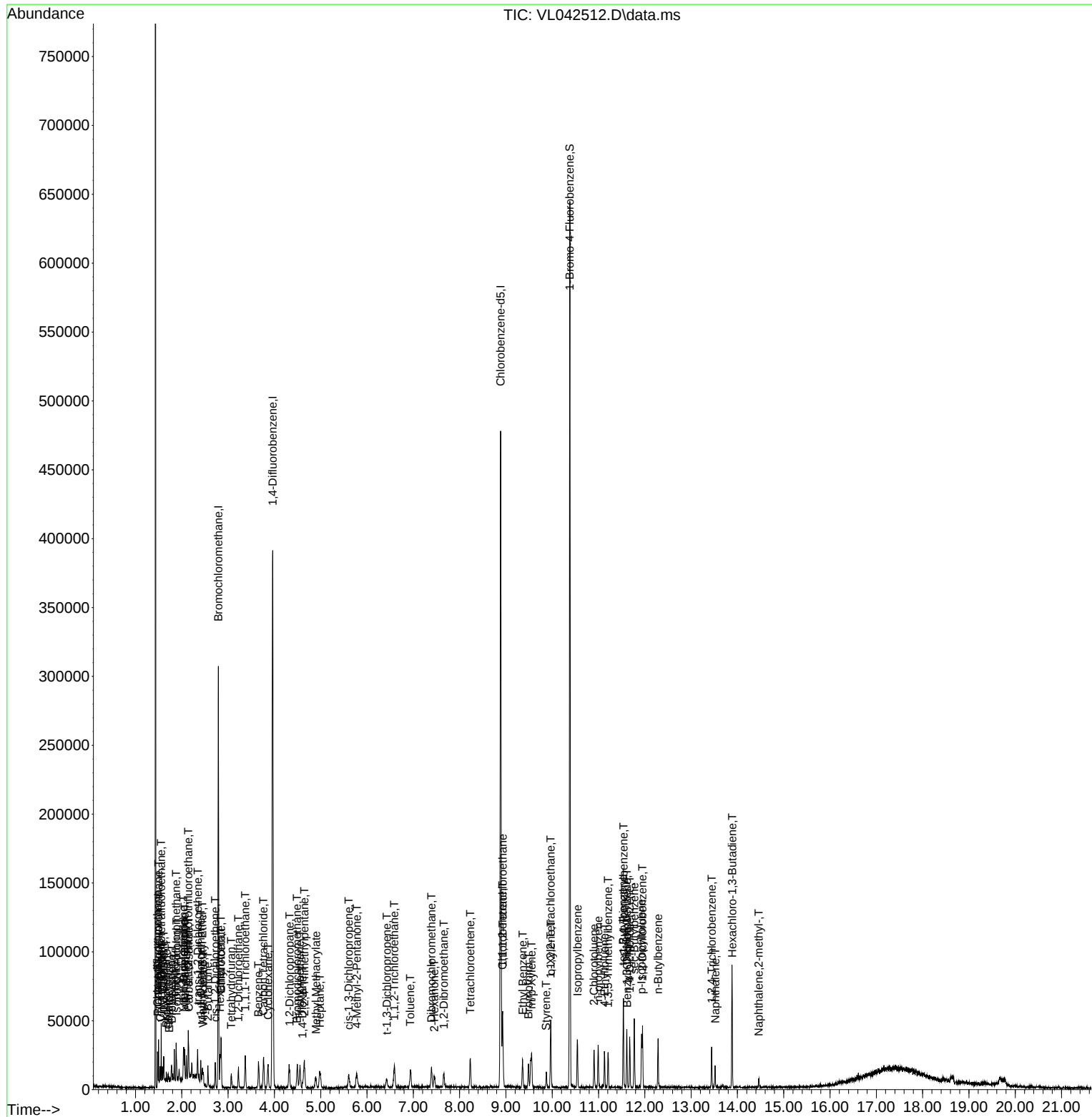
Quant Time: May 08 01:31:36 2025

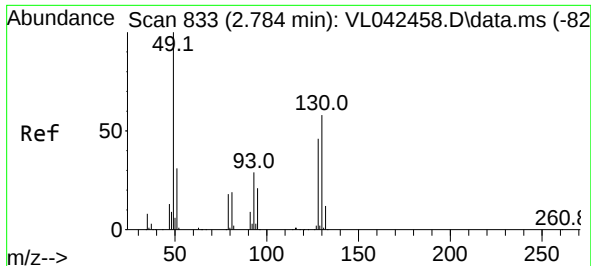
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M

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

QLast Update : Fri May 02 03:16:31 2025

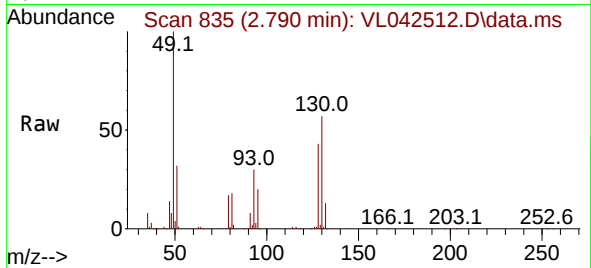
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

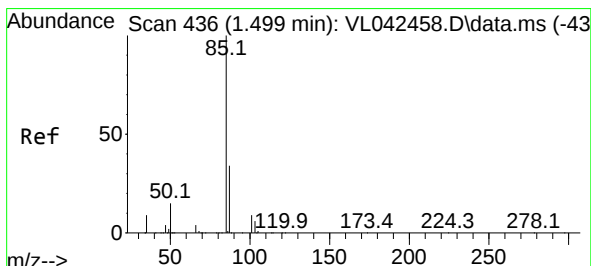
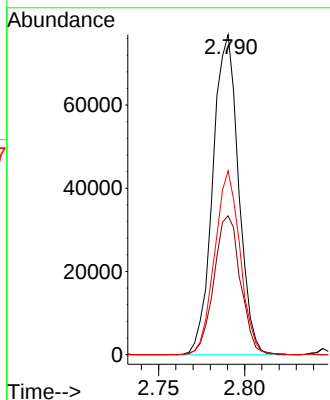
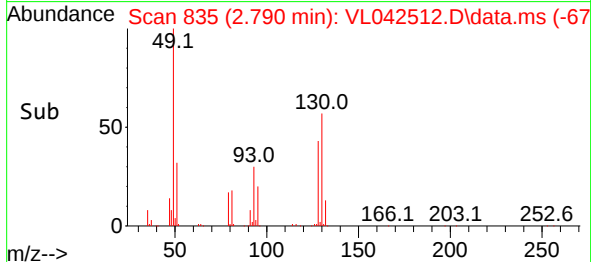
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



Tgt Ion: 49 Resp: 79918
Ion Ratio Lower Upper
49 100
128 44.8 23.3 69.9
130 56.8 29.5 88.6

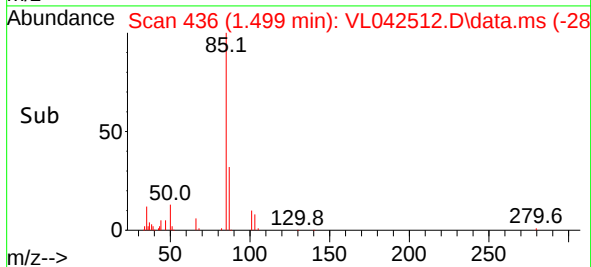
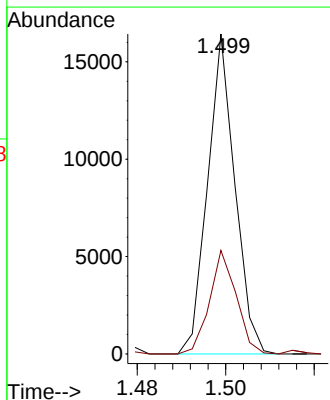
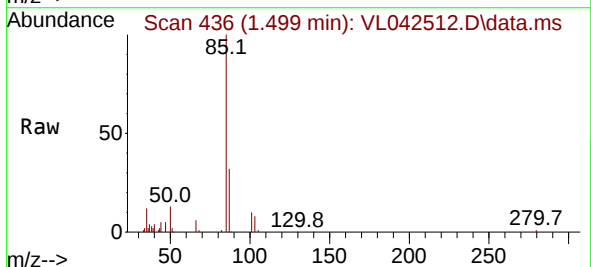
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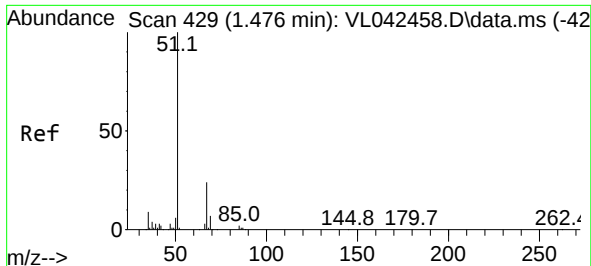
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#2
Dichlorodifluoromethane
Concen: 0.532 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

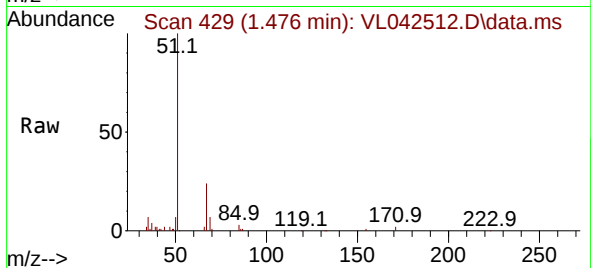
Tgt Ion: 85 Resp: 7036
Ion Ratio Lower Upper
85 100
87 32.3 26.9 40.3





#3
Chlorodifluoromethane
Concen: 0.556 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

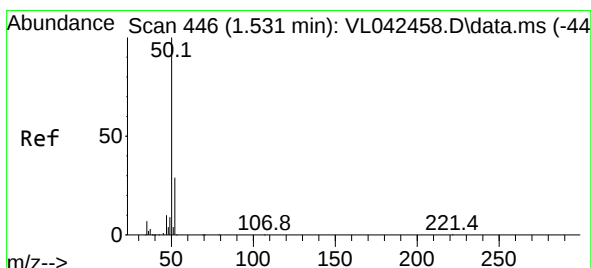
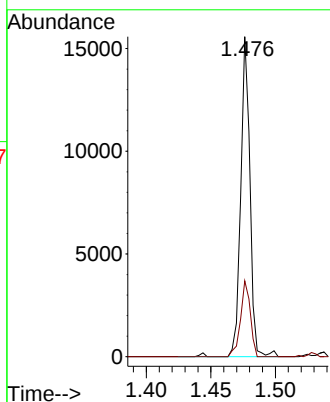
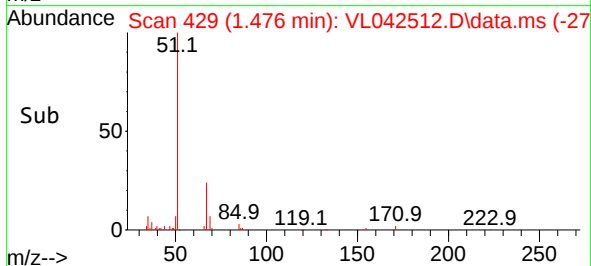
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



Tgt Ion: 51 Resp: 7770
Ion Ratio Lower Upper
51 100
67 25.0 18.4 27.6

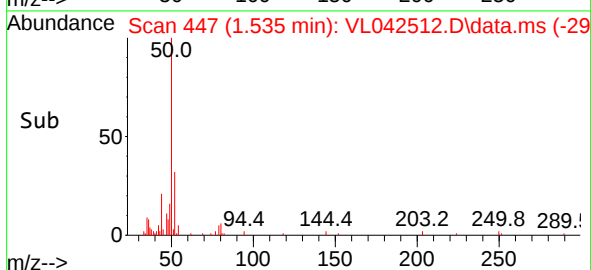
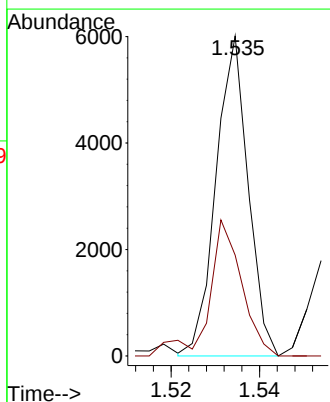
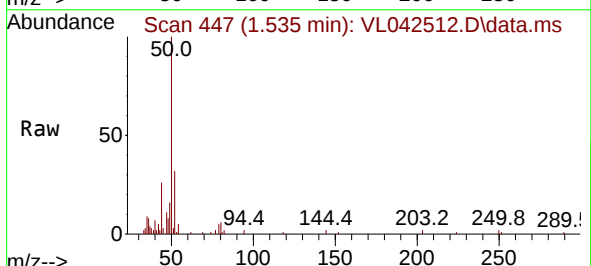
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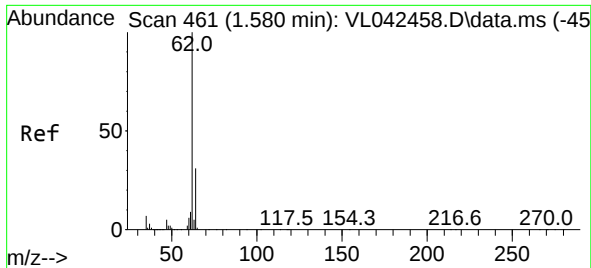
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#4
Chloromethane
Concen: 0.547 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

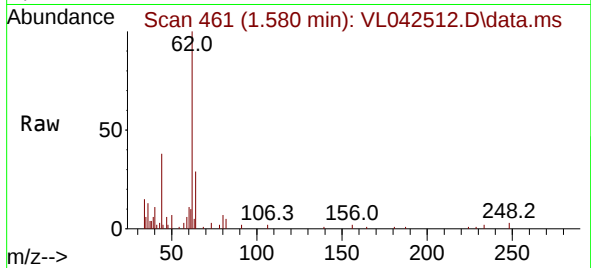
Tgt Ion: 50 Resp: 3026
Ion Ratio Lower Upper
50 100
52 31.5 23.5 35.3





#5
 Vinyl Chloride
 Concen: 0.530 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

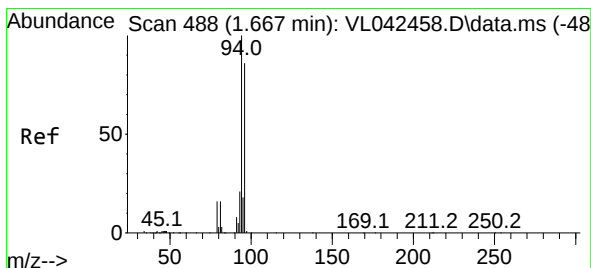
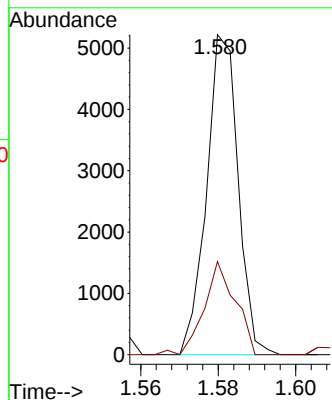
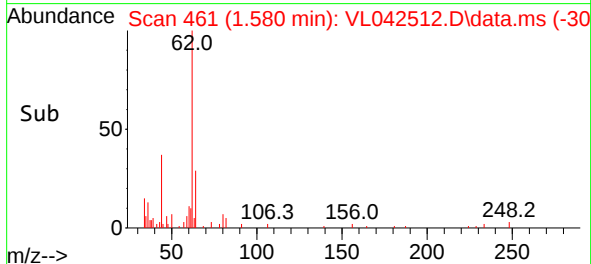
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45



Tgt Ion: 62 Resp: 2950
 Ion Ratio Lower Upper
 62 100
 64 29.1 24.9 37.3

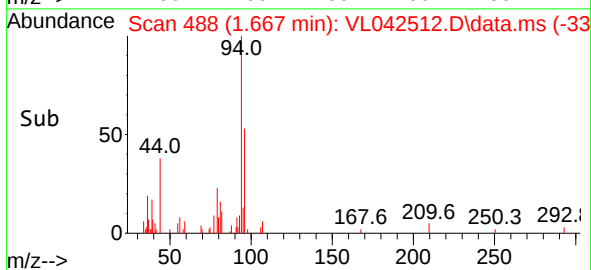
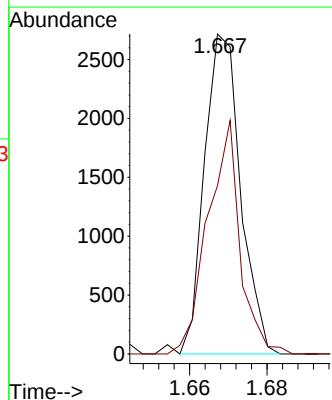
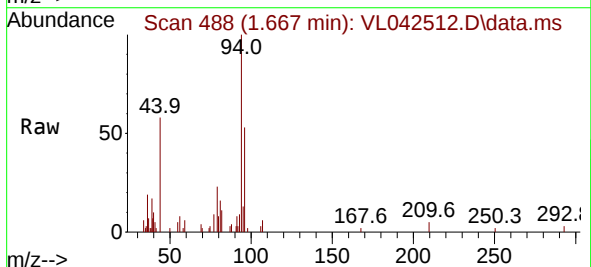
Manual Integrations
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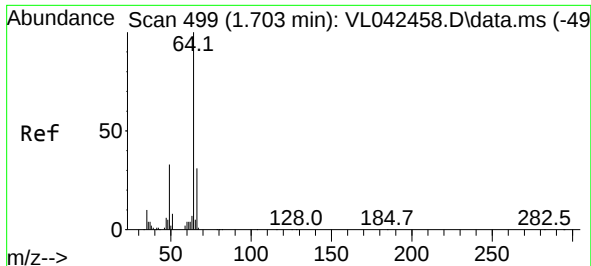
Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025



#6
 Bromomethane
 Concen: 0.669 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

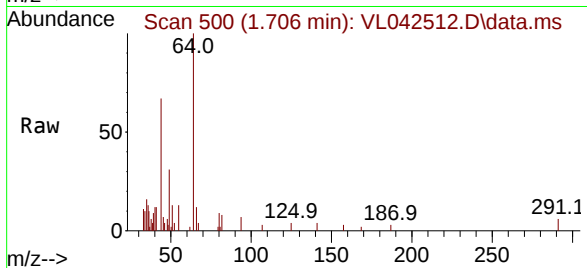
Tgt Ion: 94 Resp: 1759
 Ion Ratio Lower Upper
 94 100
 96 50.4 68.8 103.2#





#7
Chloroethane
Concen: 0.618 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

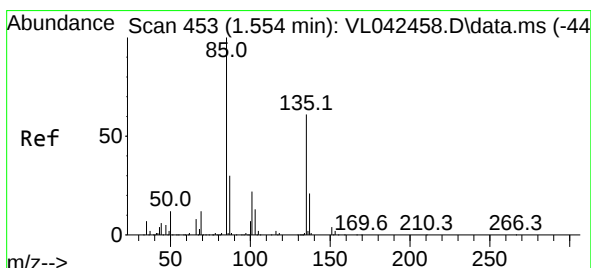
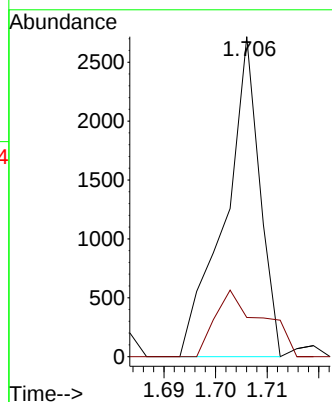
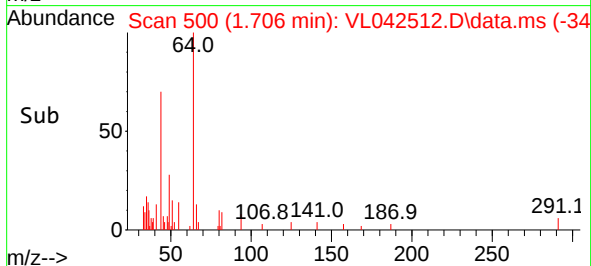
Instrument :
MSVOA_L
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MDL1 0.45



Tgt Ion: 64 Resp: 1269
Ion Ratio Lower Upper
64 100
66 12.3 25.0 37.4

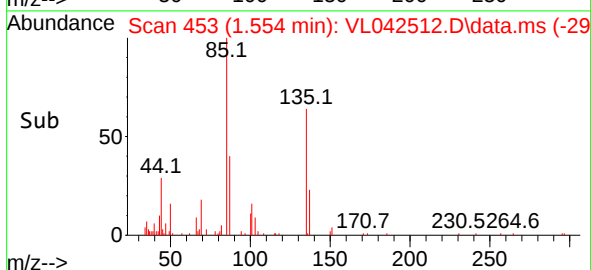
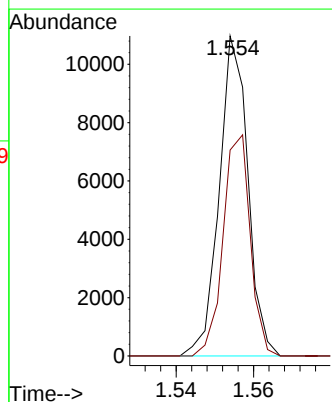
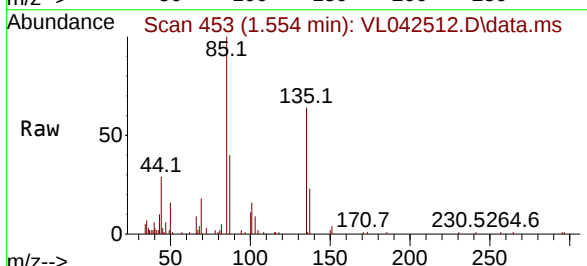
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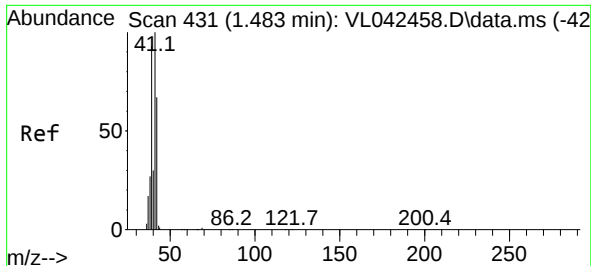
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#8
Dichlorotetrafluoroethane
Concen: 0.517 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

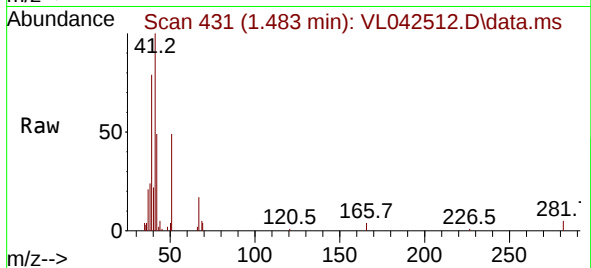
Tgt Ion: 85 Resp: 5638
Ion Ratio Lower Upper
85 100
135 65.7 49.8 74.8





#9
Propene
Concen: 0.599 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

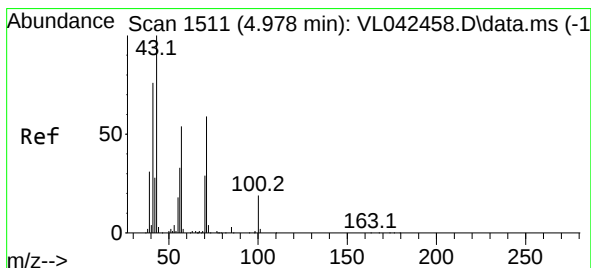
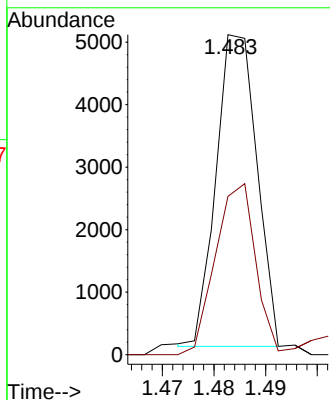
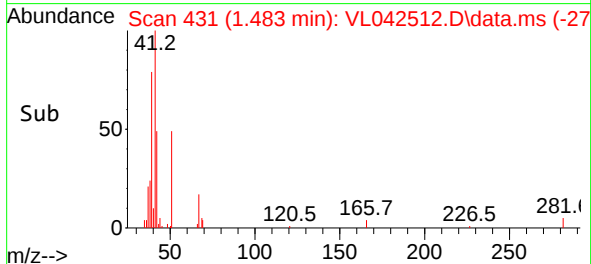
Instrument :
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Tgt Ion: 41 Resp: 2738
Ion Ratio Lower Upper
41 100
42 62.5 54.3 81.5

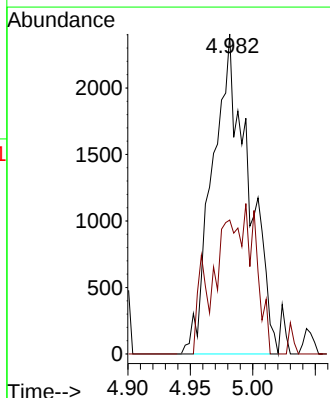
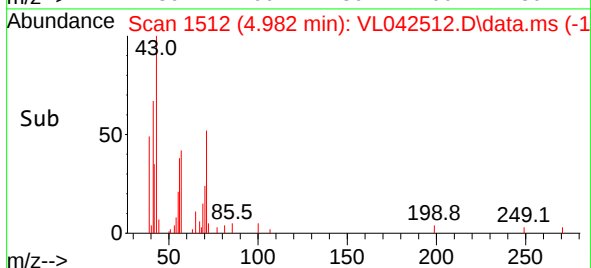
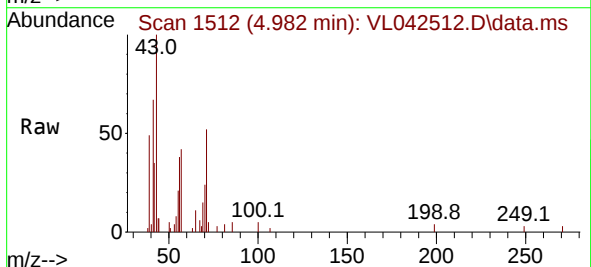
Manual Integrations
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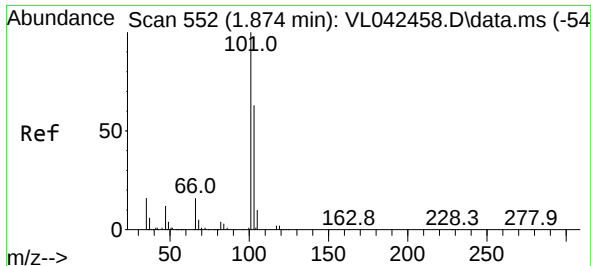
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#10
Heptane
Concen: 0.406 ppbv m
RT: 4.982 min Scan# 1512
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

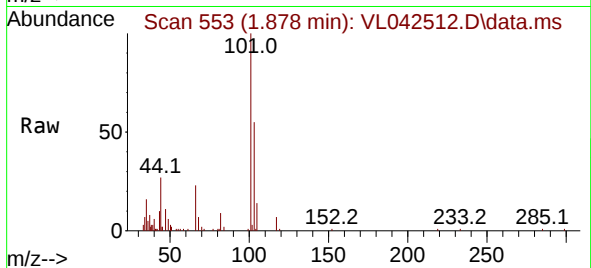
Tgt Ion: 43 Resp: 4817
Ion Ratio Lower Upper
43 100
57 52.0 41.8 62.8





#11
 Trichlorofluoromethane
 Concen: 0.495 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

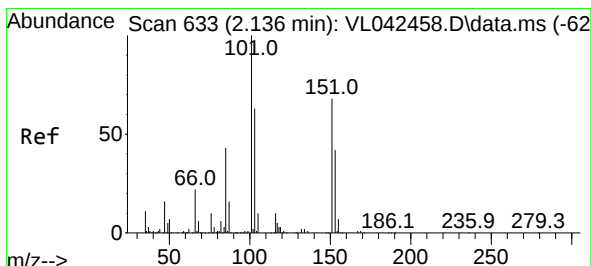
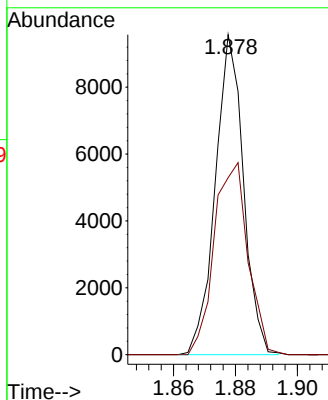
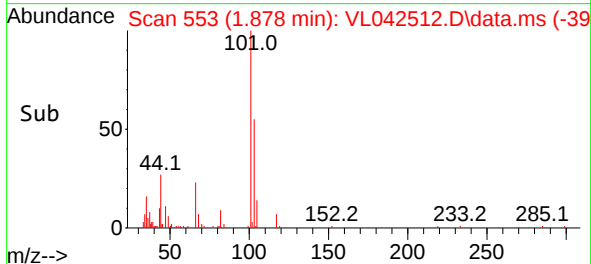
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45



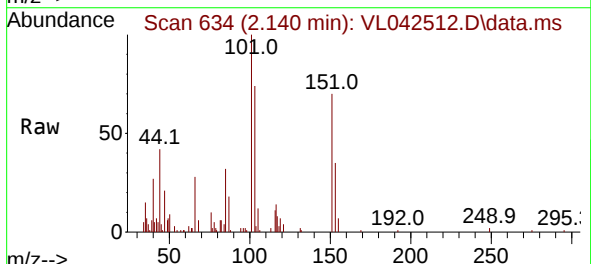
Tgt Ion:101 Resp: 604
 Ion Ratio Lower Upper
 101 100
 103 55.3 50.6 76.0

Manual Integrations
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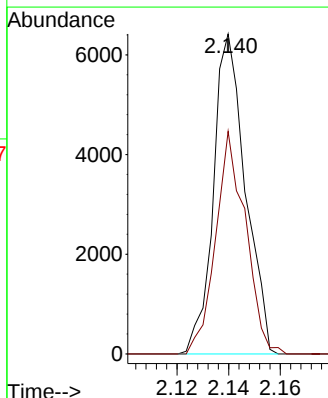
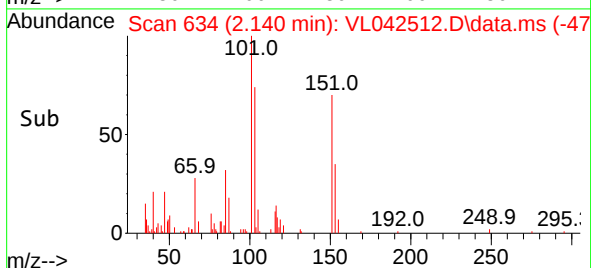
Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025

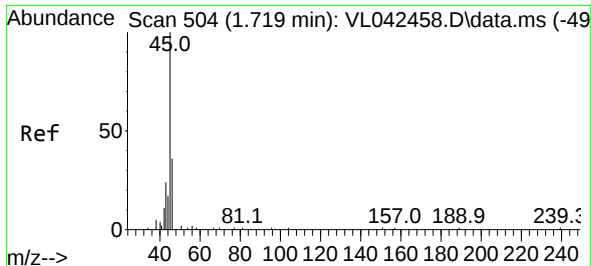


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.568 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37



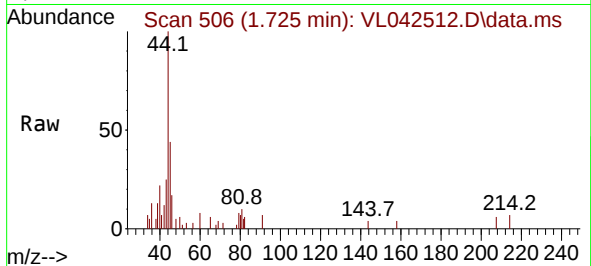
Tgt Ion:101 Resp: 5535
 Ion Ratio Lower Upper
 101 100
 151 64.9 54.6 82.0





#13
Ethanol
Concen: 0.838 ppbv m
RT: 1.725 min Scan# 504
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

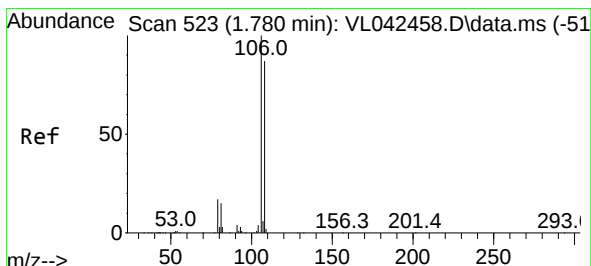
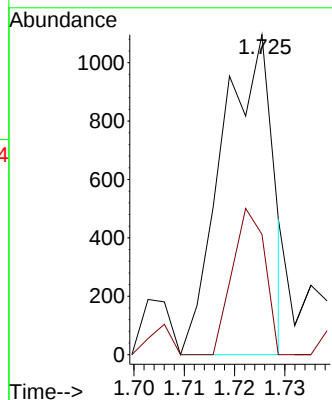
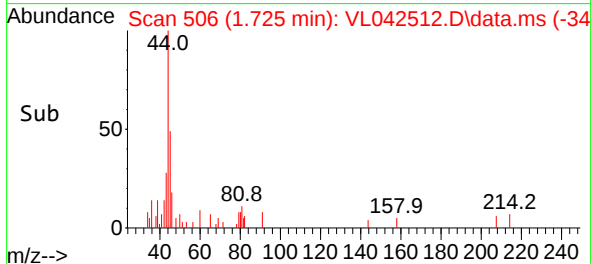
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



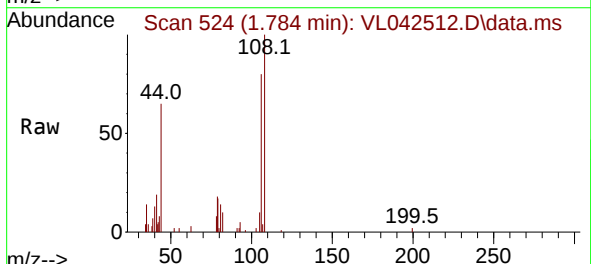
Tgt Ion: 45 Resp: 778
Ion Ratio Lower Upper
45 100
46 40.9 15.3 61.1

Manual Integrations
APPROVED

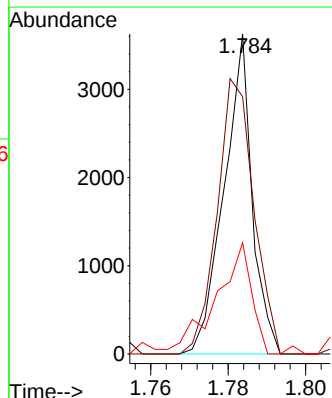
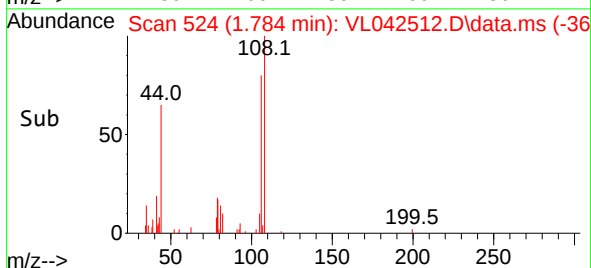
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

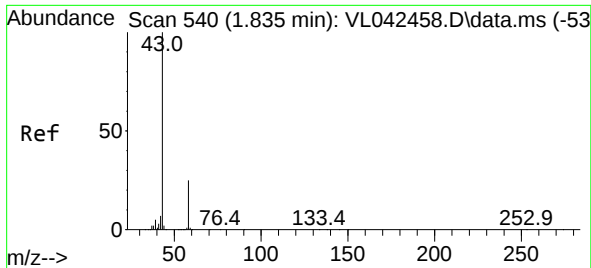


#14
Bromoethene
Concen: 0.506 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37



Tgt Ion:108 Resp: 1820
Ion Ratio Lower Upper
108 100
106 114.8 88.8 133.2
79 58.4 17.1 25.7#





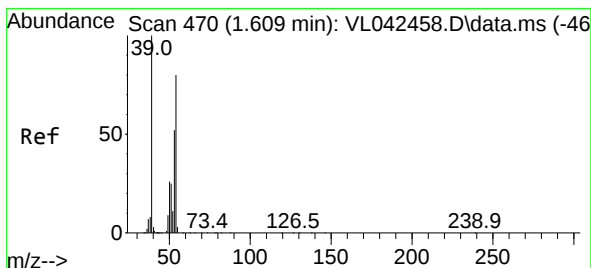
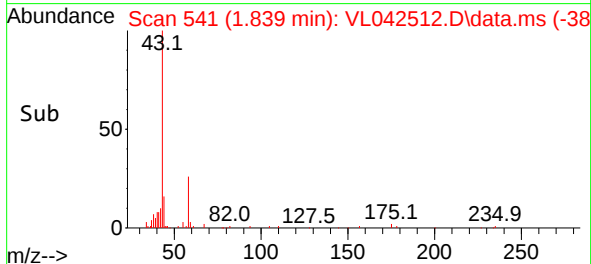
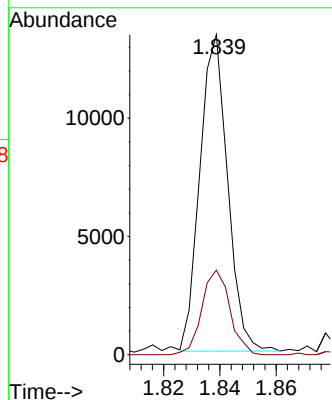
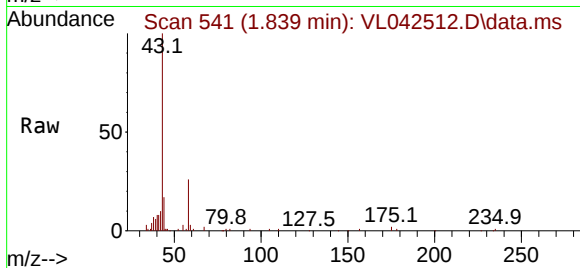
#15
Acetone
Concen: 0.629 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

Tgt Ion: 43 Resp: 9180
Ion Ratio Lower Upper
43 100
58 26.9 19.8 29.8

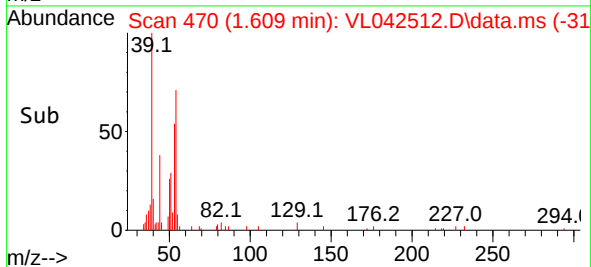
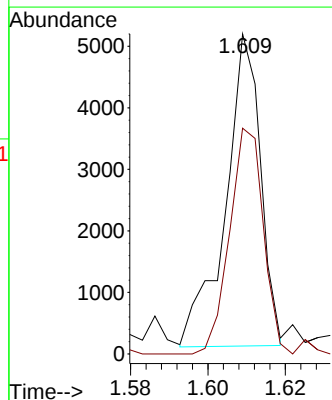
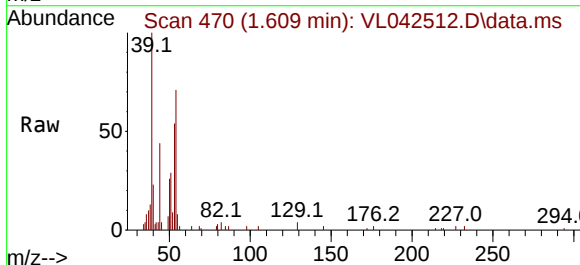
Manual Integrations
APPROVED

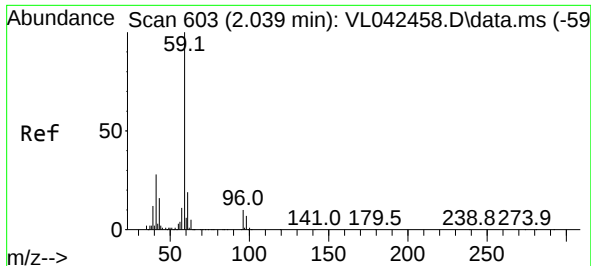
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#16
1,3-Butadiene
Concen: 0.496 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 39 Resp: 3191
Ion Ratio Lower Upper
39 100
54 72.2 55.2 82.8





#17

tert-Butyl alcohol

Concen: 0.530 ppbv

RT: 2.046 min Scan# 601

Delta R.T. 0.007 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

Tgt Ion: 59 Resp: 680

Ion Ratio Lower Upper

59 100

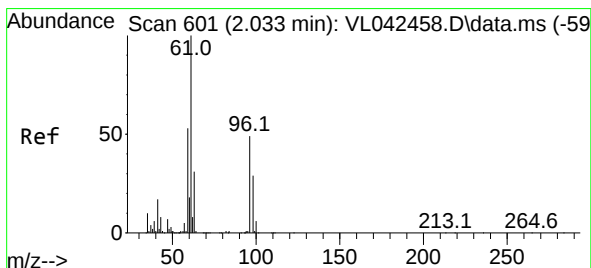
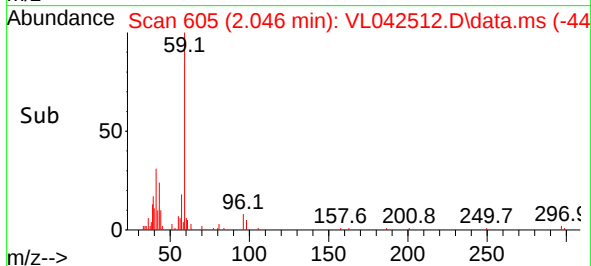
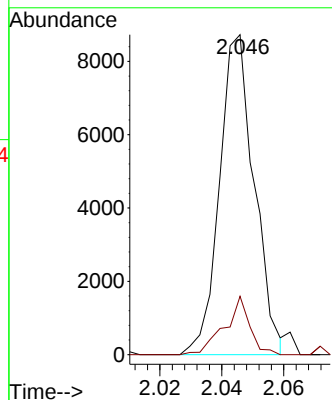
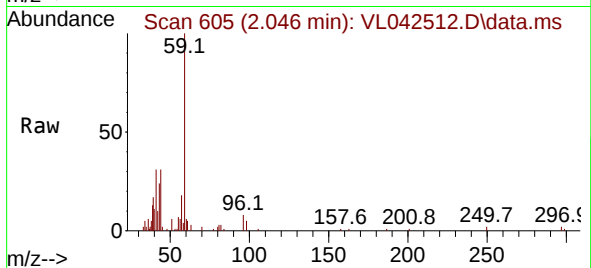
57 13.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025

Supervised By :Mahesh Dadoda 05/09/2025



#18

1,1-Dichloroethene

Concen: 0.568 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

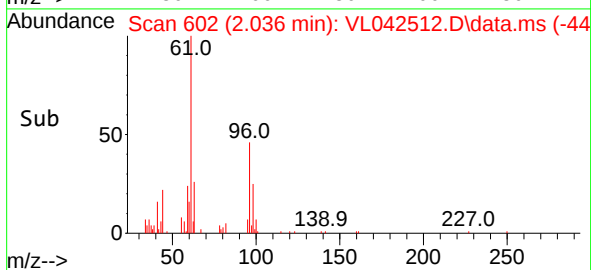
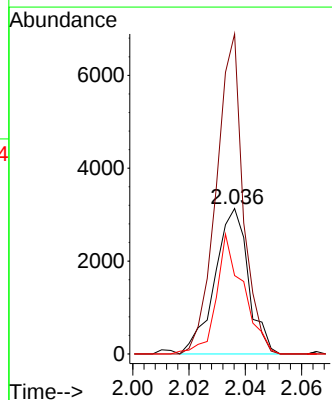
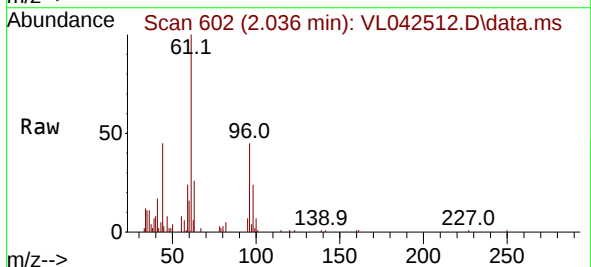
Tgt Ion: 96 Resp: 2586

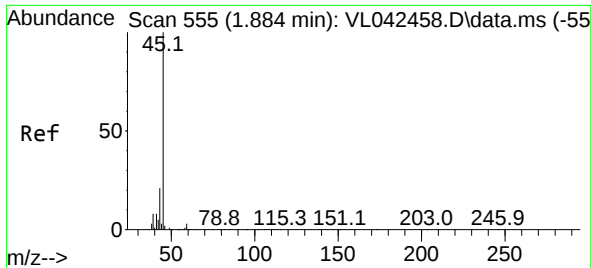
Ion Ratio Lower Upper

96 100

61 219.9 164.9 247.3

98 53.8 48.2 72.2





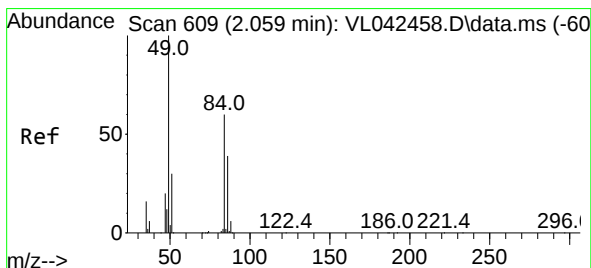
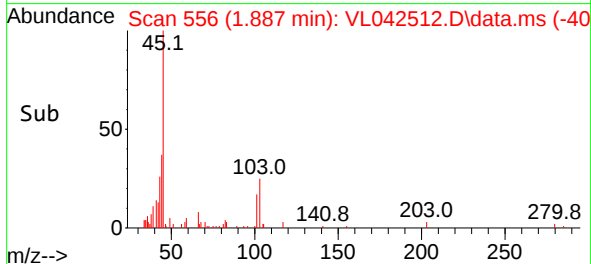
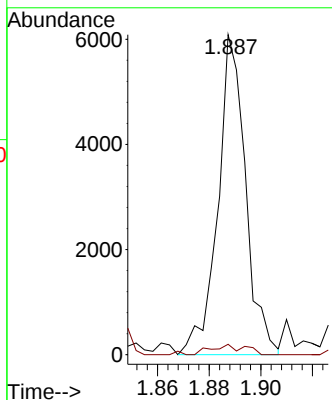
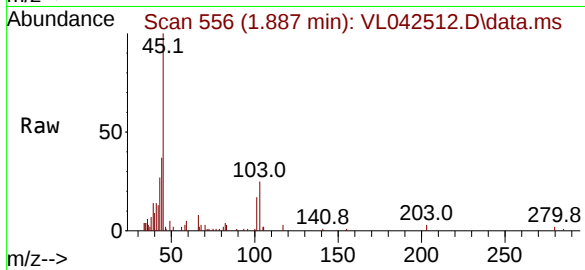
#19
Isopropyl Alcohol
Concen: 0.562 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

Tgt Ion: 45 Resp: 4534
Ion Ratio Lower Upper
45 100
58 3.8 1.6 2.4

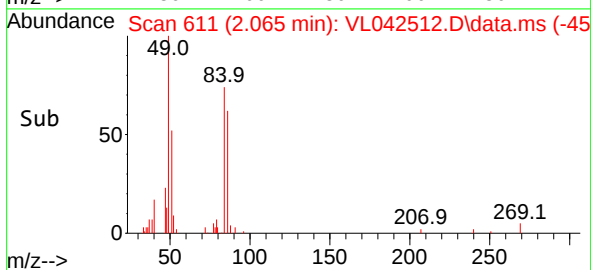
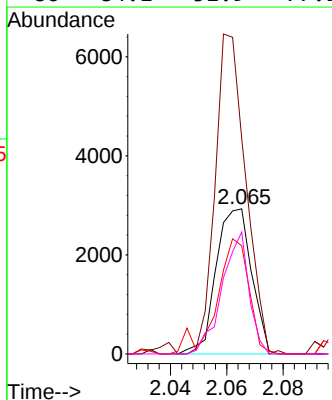
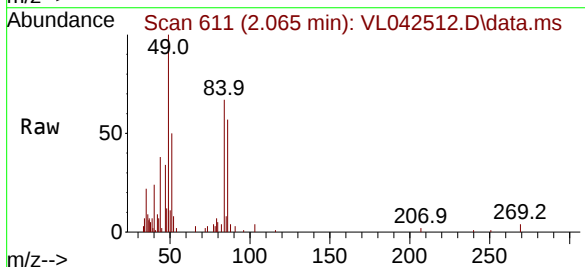
Manual Integrations
APPROVED

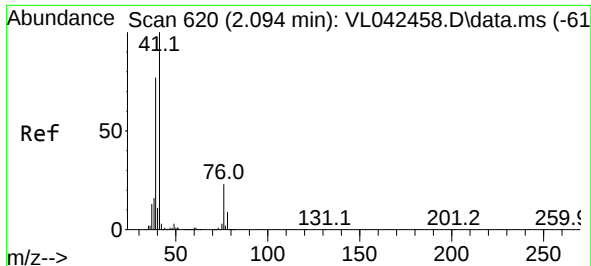
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#20
Methylene Chloride
Concen: 0.584 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

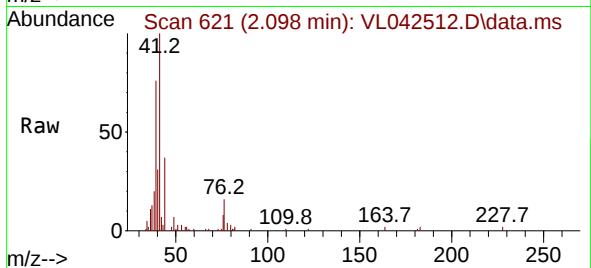
Tgt Ion: 84 Resp: 2560
Ion Ratio Lower Upper
84 100
49 148.4 133.9 200.9
51 74.6 41.0 61.6#
86 84.1 51.9 77.9#





#21
 Allyl Chloride
 Concen: 0.520 ppbv
 RT: 2.098 min Scan# 618
 Delta R.T. 0.003 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

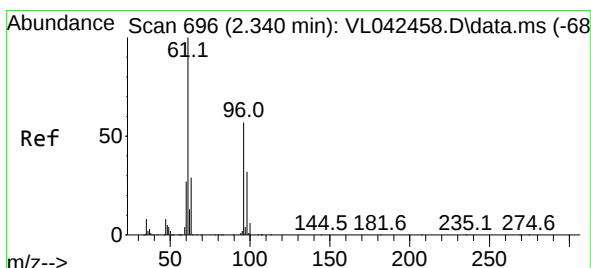
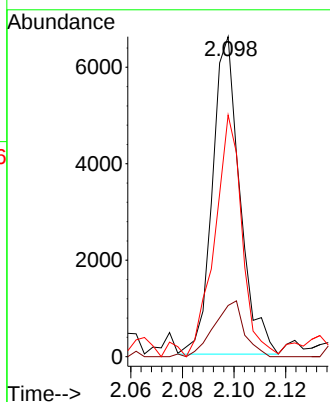
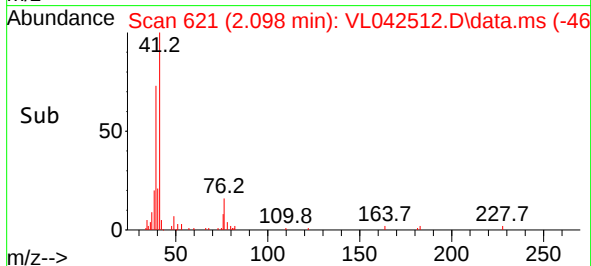
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45



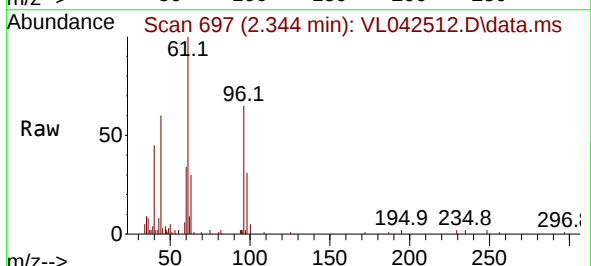
Tgt Ion:	41	Resp:	4878
Ion	Ratio	Lower	Upper
41	100		
76	19.3	19.6	29.4
39	69.4	61.0	91.4

Manual Integrations
 APPROVED

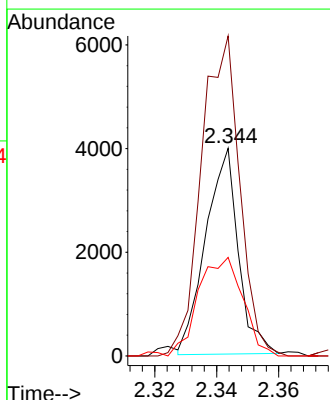
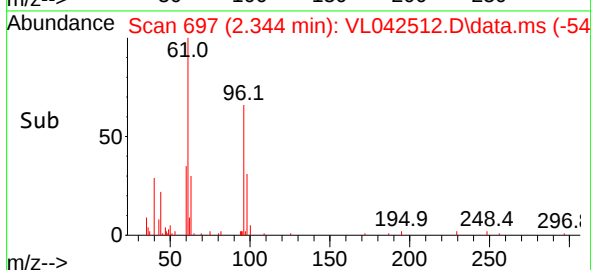
Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025

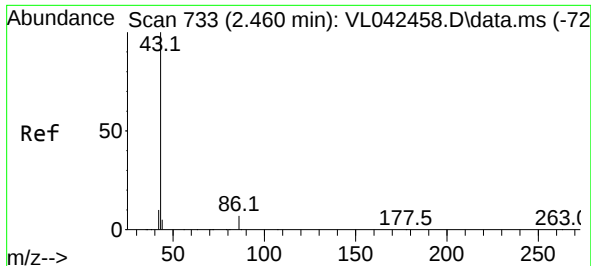


#22
 trans-1,2-Dichloroethene
 Concen: 0.547 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.003 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37



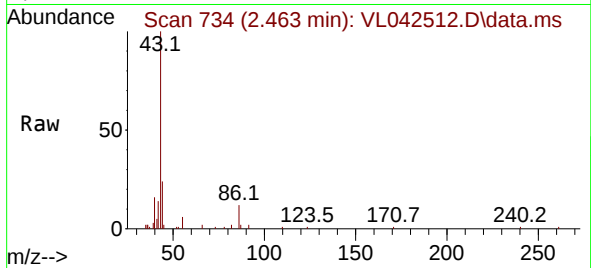
Tgt Ion:	96	Resp:	2906
Ion	Ratio	Lower	Upper
96	100		
61	148.6	141.8	212.6
98	48.1	45.0	67.6





#23
 Vinyl Acetate
 Concen: 0.574 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

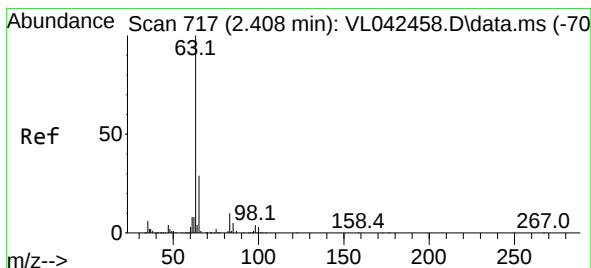
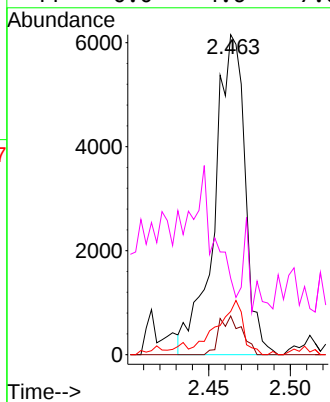
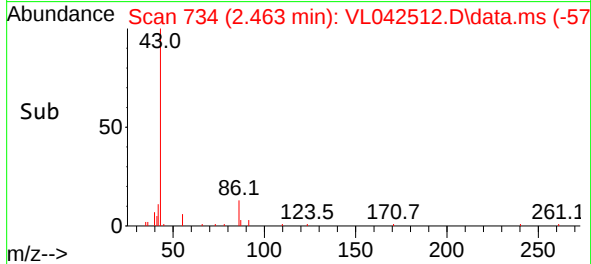
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45



Tgt Ion: 43 Resp: 7992
 Ion Ratio Lower Upper
 43 100
 86 12.1 5.5 8.3
 42 13.5 8.3 12.5
 44 0.0 4.6 7.0#

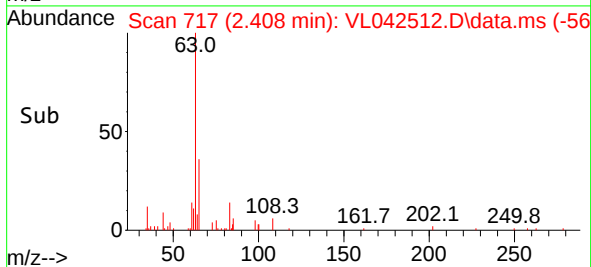
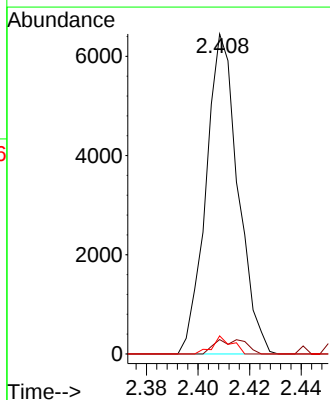
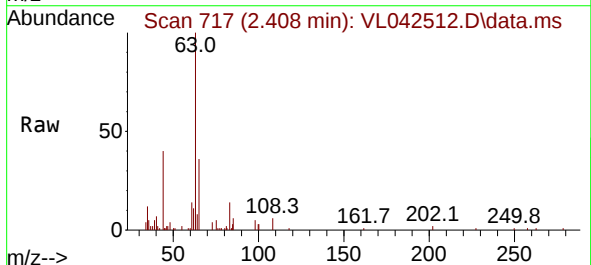
Manual Integrations
 APPROVED

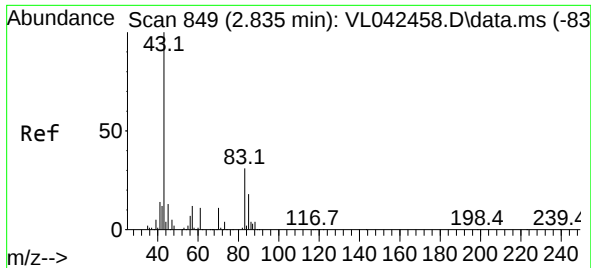
Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025



#24
 1,1-Dichloroethane
 Concen: 0.515 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

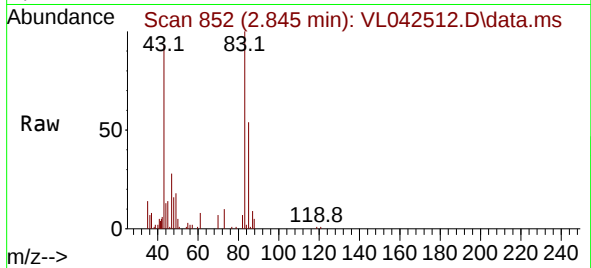
Tgt Ion: 63 Resp: 5580
 Ion Ratio Lower Upper
 63 100
 98 4.5 1.8 5.5
 100 5.6 1.4 4.2#





#25
Ethyl Acetate
Concen: 0.375 ppbv
RT: 2.845 min Scan# 849
Delta R.T. 0.010 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

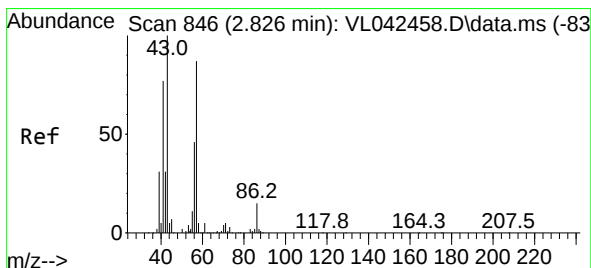
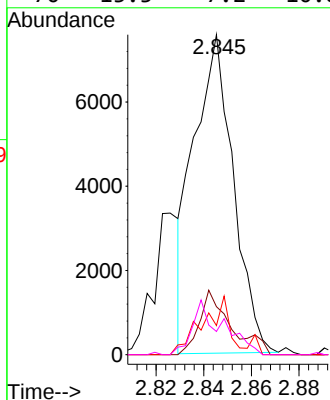
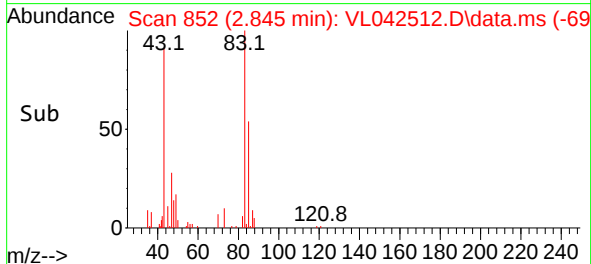
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



Tgt Ion:	43	Resp:	875
Ion	Ratio	Lower	Upper
43	100		
45	16.0	7.8	11.6
61	13.6	7.2	10.8
70	13.3	7.2	10.8

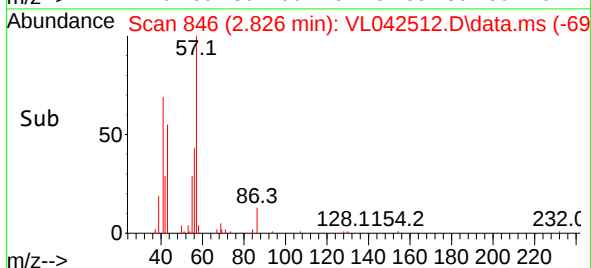
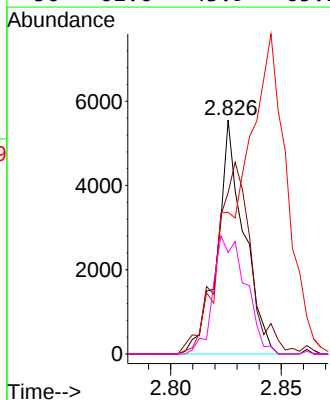
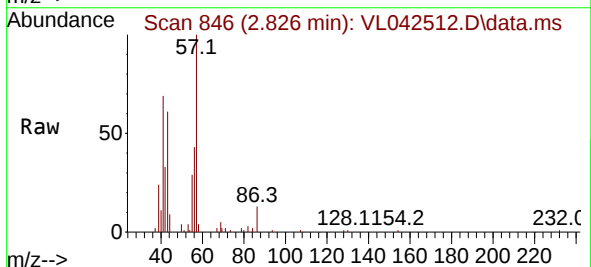
Manual Integrations
APPROVED

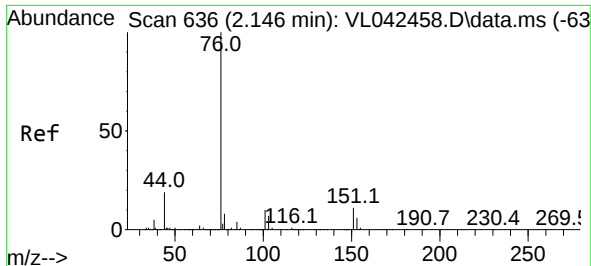
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#26
Hexane
Concen: 0.458 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

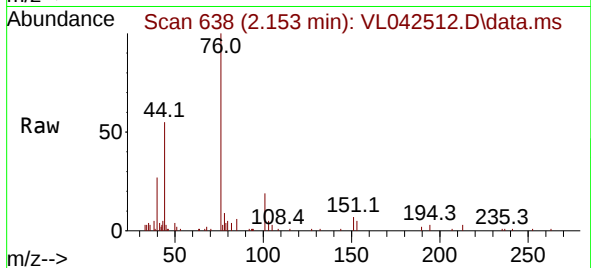
Tgt Ion:	57	Resp:	4657
Ion	Ratio	Lower	Upper
57	100		
41	107.0	77.8	116.8
43	246.6	187.0	280.6
56	61.6	43.9	65.9





#27
Carbon Disulfide
Concen: 0.502 ppbv
RT: 2.153 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

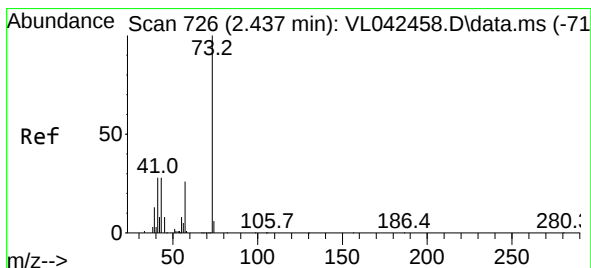
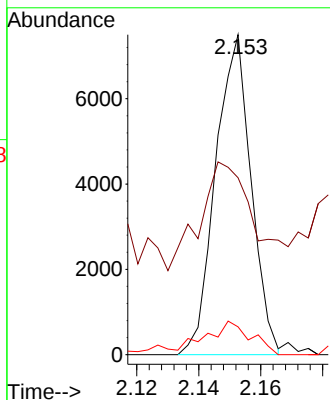
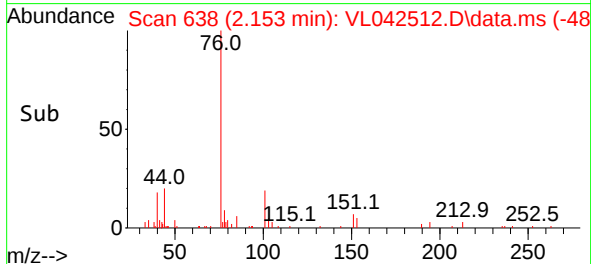
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



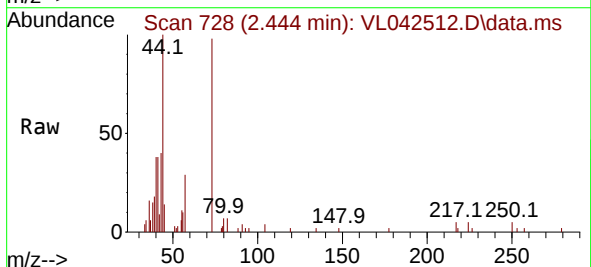
Tgt Ion: 76 Resp: 5958
Ion Ratio Lower Upper
76 100
44 158.4 21.0 31.6
78 15.3 8.6 13.0

Manual Integrations
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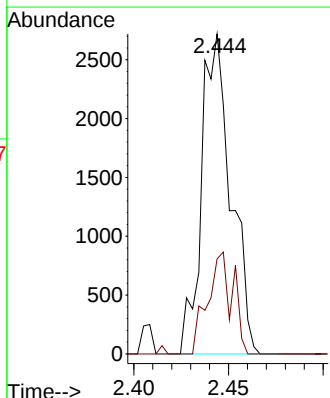
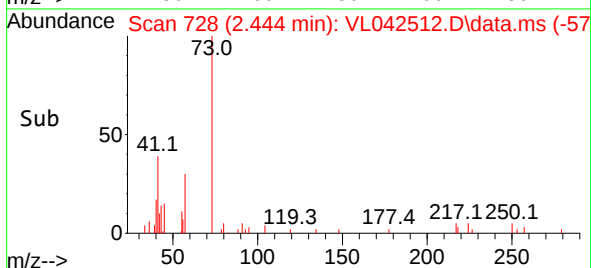
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

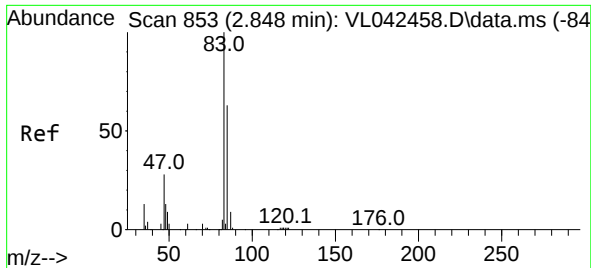


#28
Methyl tert-Butyl Ether
Concen: 0.480 ppbv m
RT: 2.444 min Scan# 728
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37



Tgt Ion: 73 Resp: 2935
Ion Ratio Lower Upper
73 100
57 27.2 19.9 29.9





#29

Chloroform

Concen: 0.544 ppbv

RT: 2.849 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

Tgt Ion: 83 Resp: 1037

Ion Ratio Lower Upper

83 100

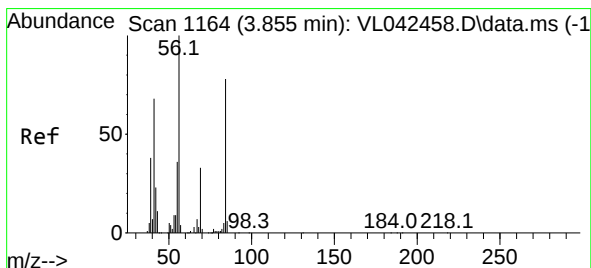
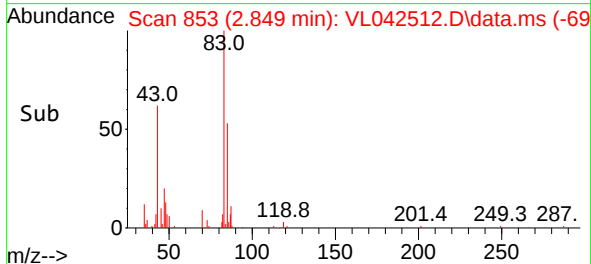
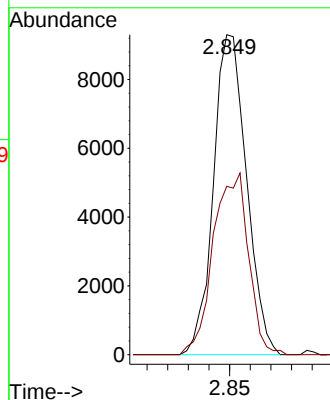
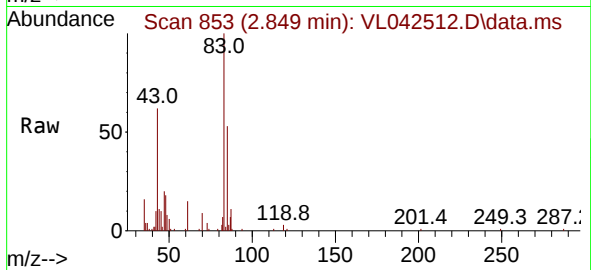
85 52.6 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025

Supervised By :Mahesh Dadoda 05/09/2025



#30

Cyclohexane

Concen: 0.374 ppbv m

RT: 3.865 min Scan# 1167

Delta R.T. 0.010 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

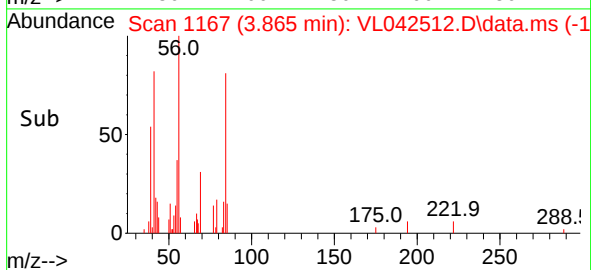
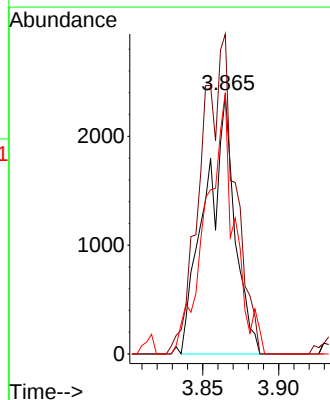
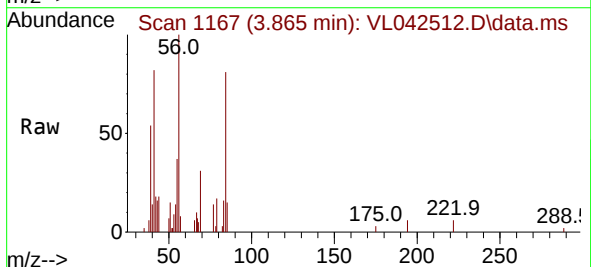
Tgt Ion: 84 Resp: 3186

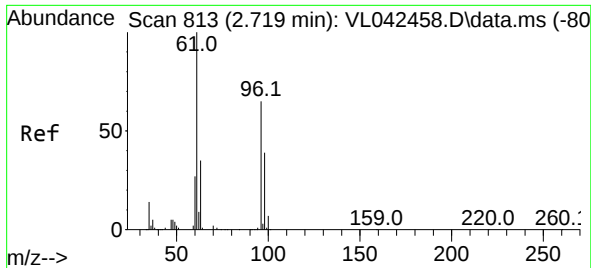
Ion Ratio Lower Upper

84 100

56 142.6 98.1 147.1

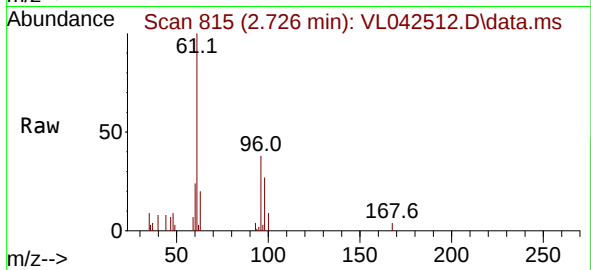
41 101.2 65.8 98.8#





#31
 cis-1,2-Dichloroethene
 Concen: 0.480 ppbv
 RT: 2.726 min Scan# 813
 Delta R.T. 0.007 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

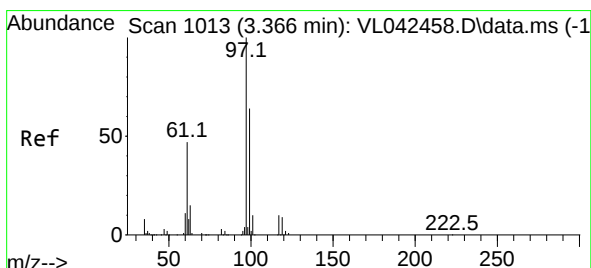
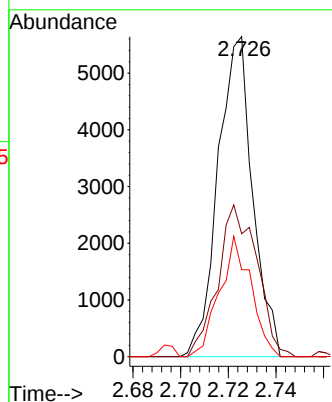
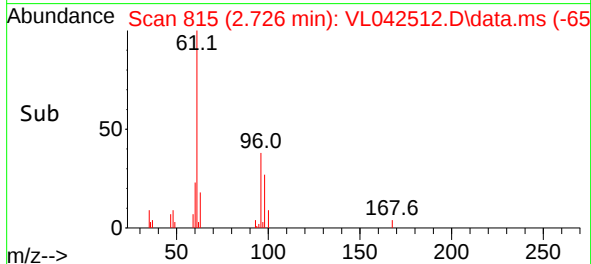
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45



Tgt Ion: 61 Resp: 570
 Ion Ratio Lower Upper
 61 100
 96 38.4 52.0 78.0
 98 27.2 31.0 46.6

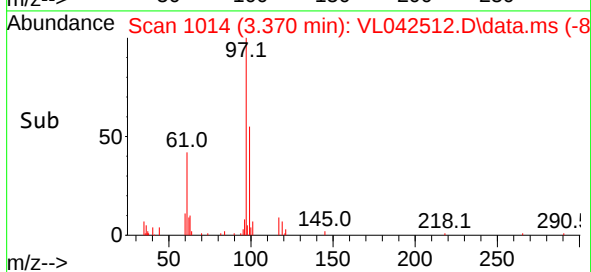
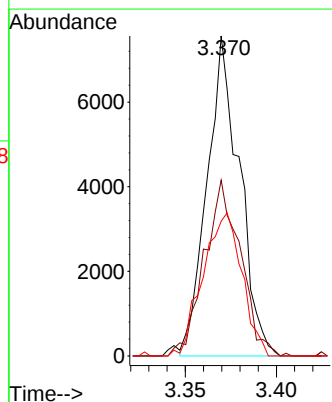
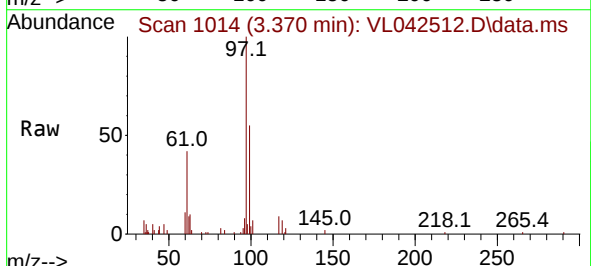
Manual Integrations
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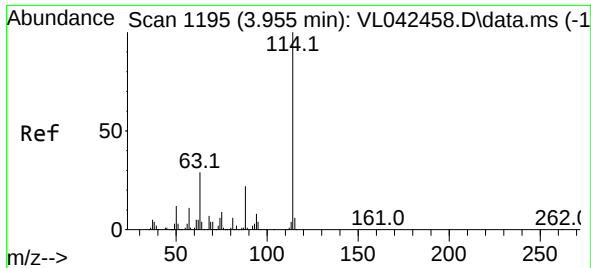
Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.452 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.003 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

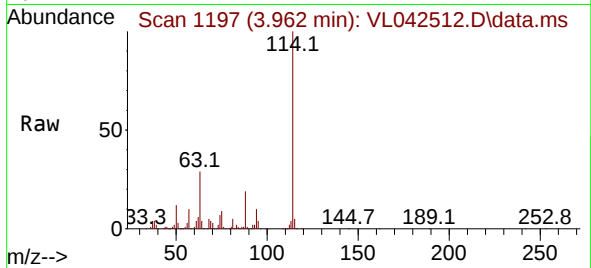
Tgt Ion: 97 Resp: 9357
 Ion Ratio Lower Upper
 97 100
 99 61.1 50.7 76.1
 61 53.8 40.9 61.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

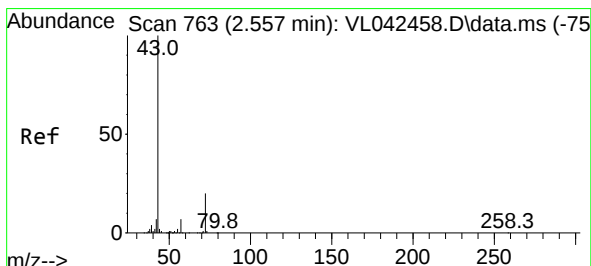
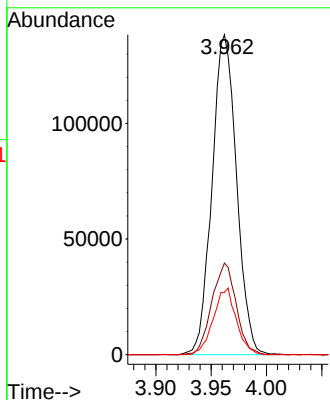
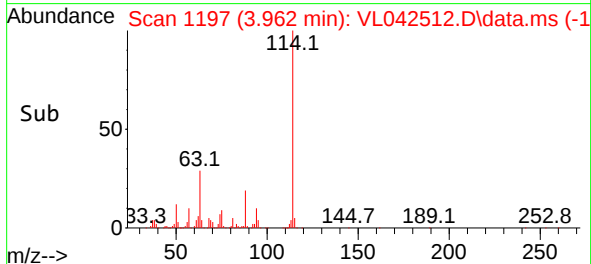
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



Tgt Ion:114 Resp: 21326
Ion Ratio Lower Upper
114 100
63 28.4 23.1 34.7
88 19.5 16.1 24.1

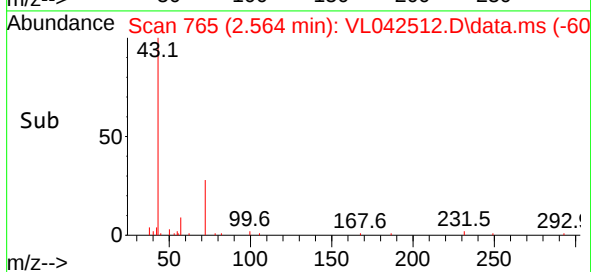
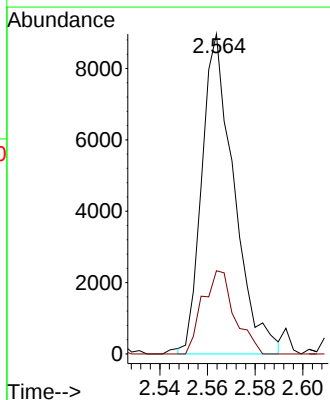
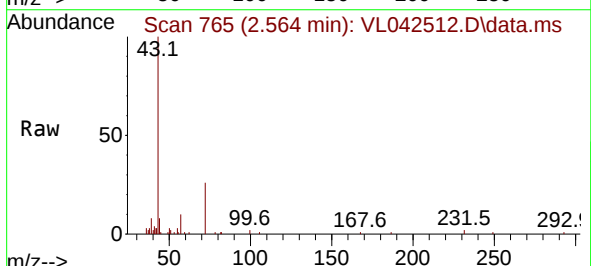
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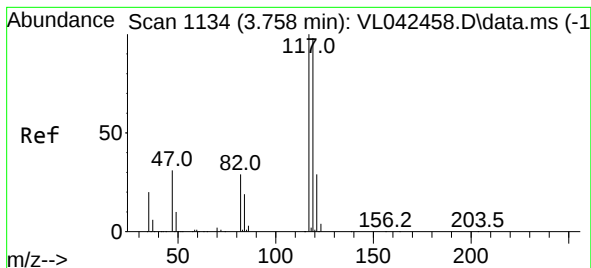
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#34
2-Butanone
Concen: 0.544 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 43 Resp: 8393
Ion Ratio Lower Upper
43 100
72 25.9 16.7 25.1#





#35

Carbon Tetrachloride

Concen: 0.505 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

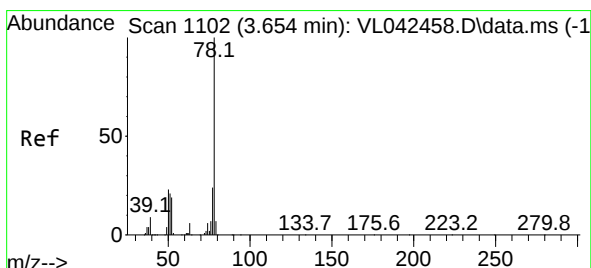
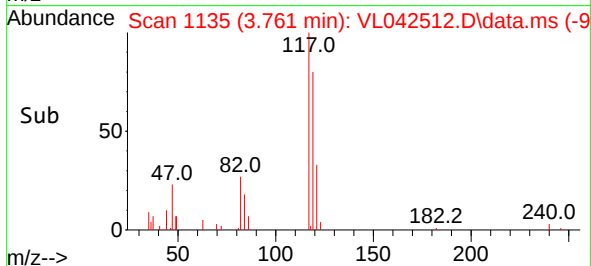
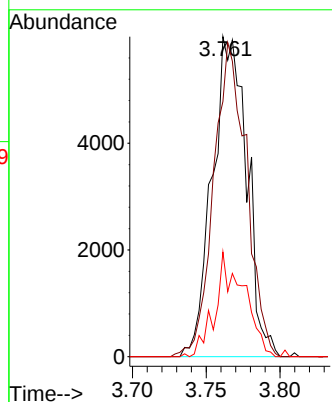
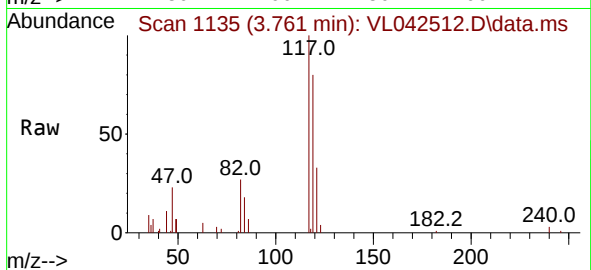
Tgt Ion:	117	Resp:	9780
Ion	Ratio	Lower	Upper
117	100		
119	79.7	78.1	117.1
121	32.7	23.0	34.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025

Supervised By :Mahesh Dadoda 05/09/2025



#36

Benzene

Concen: 0.510 ppbv m

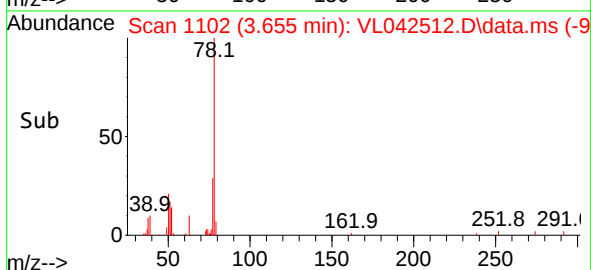
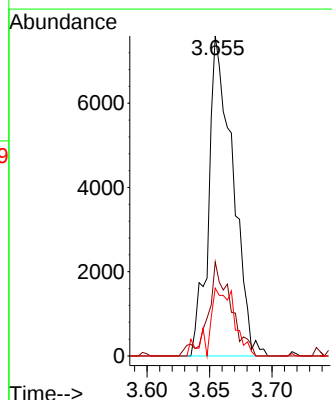
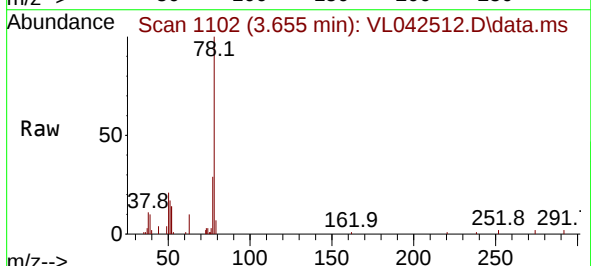
RT: 3.655 min Scan# 1102

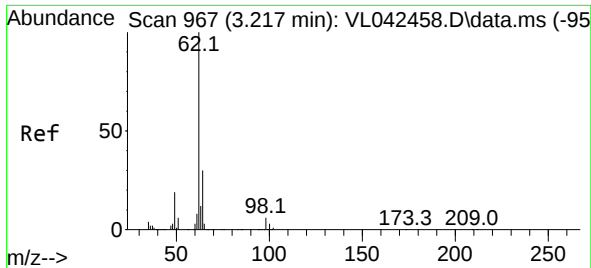
Delta R.T. 0.000 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Tgt Ion:	78	Resp:	10264
Ion	Ratio	Lower	Upper
78	100		
77	29.4	18.9	28.3#
50	21.2	18.4	27.6





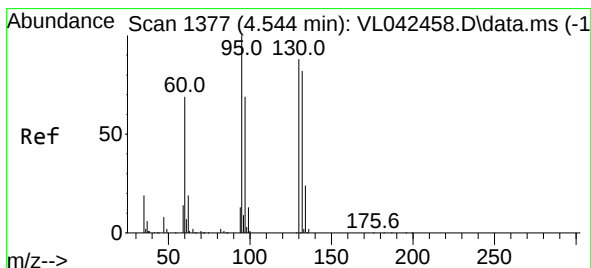
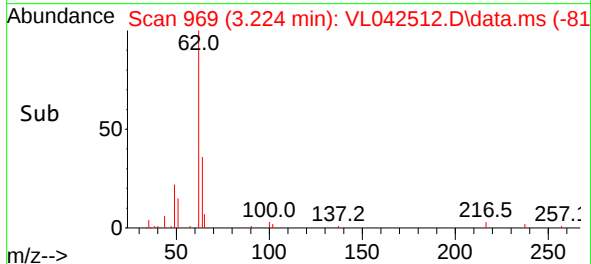
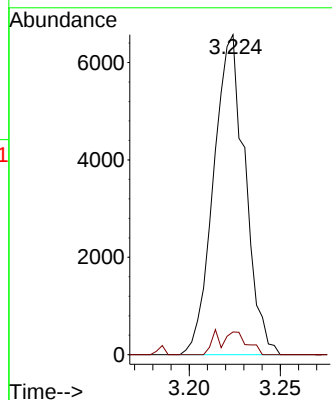
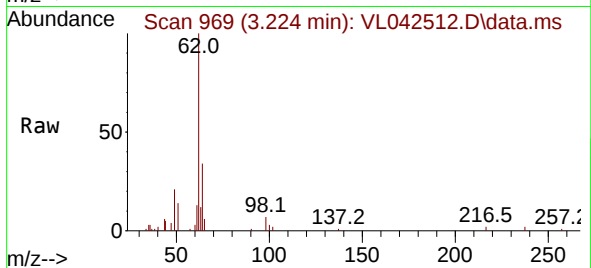
#37
1,2-Dichloroethane
Concen: 0.510 ppbv
RT: 3.224 min Scan# 969
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

Tgt Ion: 62 Resp: 7910
Ion Ratio Lower Upper
62 100
98 6.7 4.3 6.5

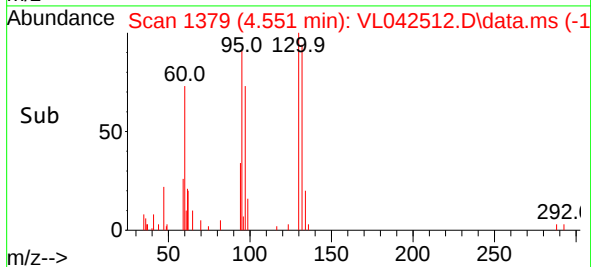
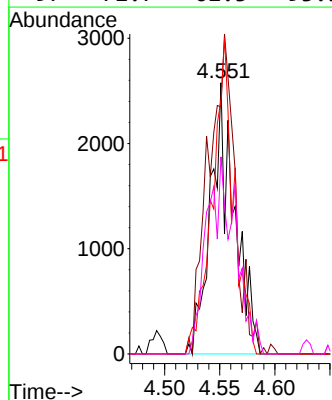
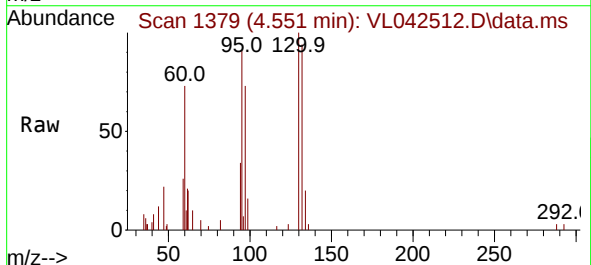
Manual Integrations
APPROVED

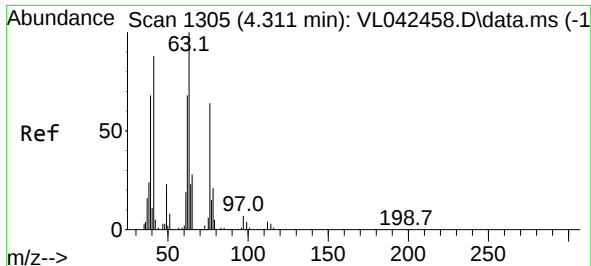
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#38
Trichloroethene
Concen: 0.499 ppbv m
RT: 4.551 min Scan# 1379
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion:130 Resp: 3828
Ion Ratio Lower Upper
130 100
95 91.1 91.0 136.4
132 93.7 74.2 111.4
97 72.7 62.3 93.5





#39

1,2-Dichloropropane

Concen: 0.559 ppbv m

RT: 4.331 min Scan# 1311

Delta R.T. 0.020 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

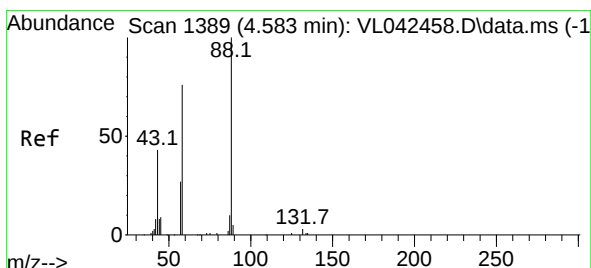
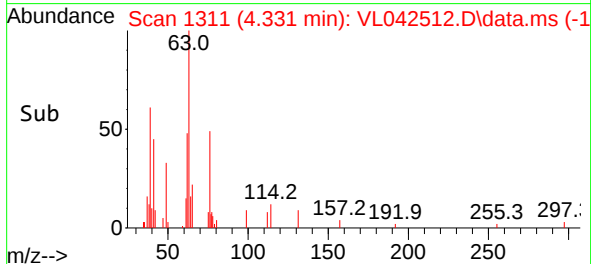
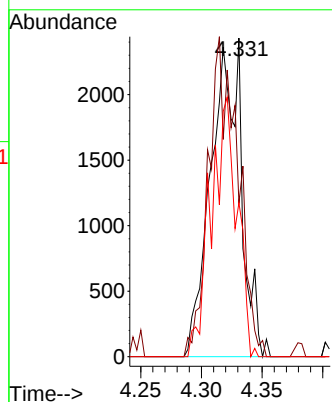
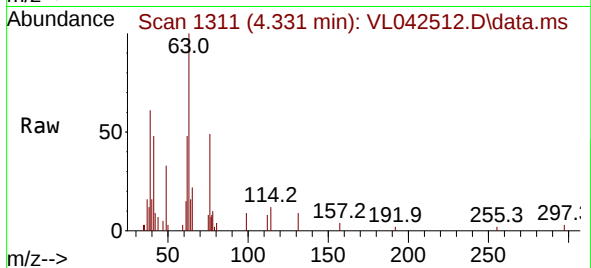
MDL1 0.45

Tgt Ion: 63	Resp: 4209	
Ion Ratio	Lower	Upper
63	100	
41	48.2	69.8 104.6
62	48.3	54.3 81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#40

1,4-Dioxane

Concen: 0.536 ppbv m

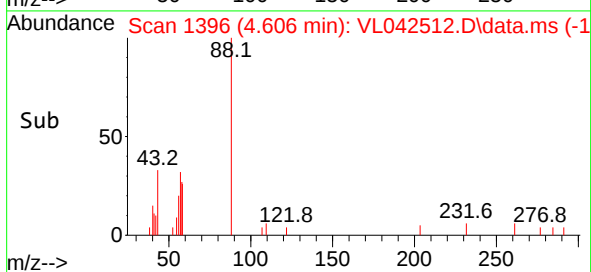
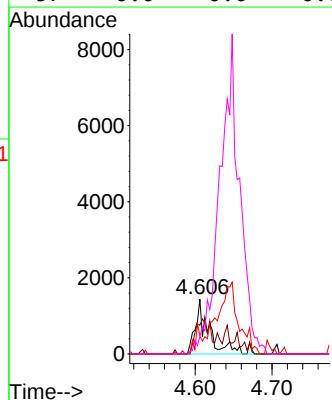
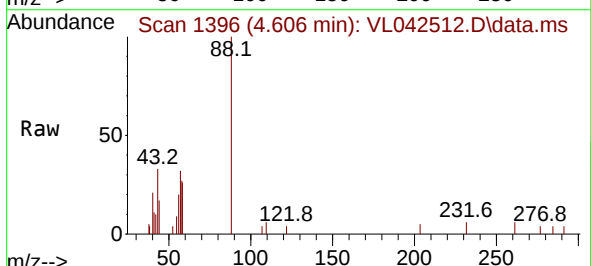
RT: 4.606 min Scan# 1396

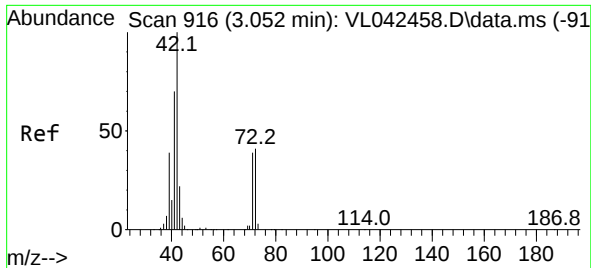
Delta R.T. 0.023 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

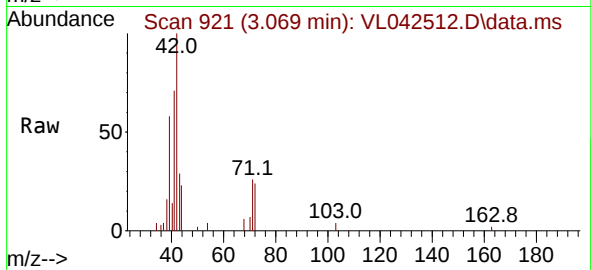
Tgt Ion: 88	Resp: 1892
Ion Ratio	Lower Upper
88 100	
58 0.0	0.0 0.0
43 0.0	0.0 0.0
57 0.0	0.0 0.0





#41
Tetrahydrofuran
Concen: 0.464 ppbv
RT: 3.069 min Scan# 916
Delta R.T. 0.016 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

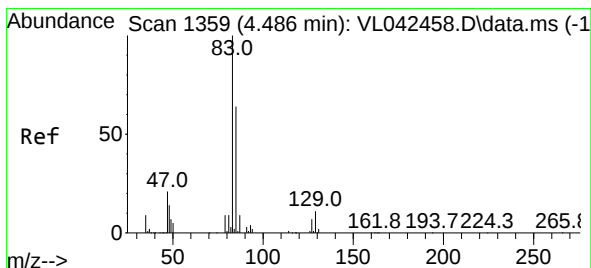
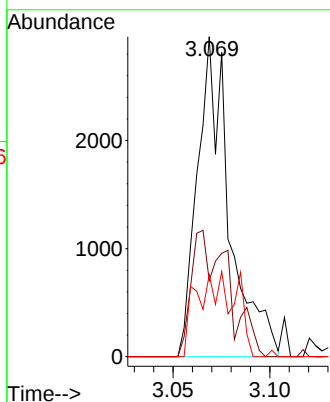
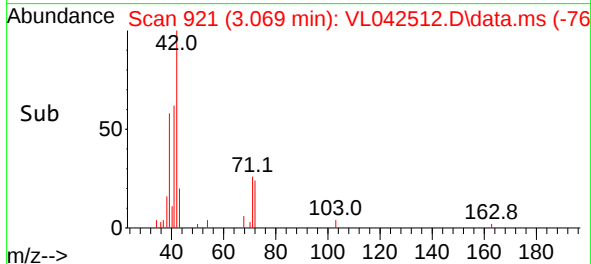
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



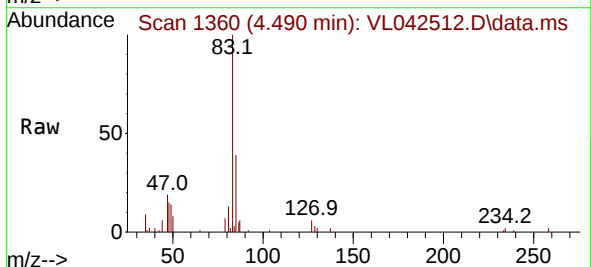
Tgt Ion:	42	Resp:	340
Ion Ratio	100	Lower	Upper
42	100		
72	45.4	33.5	50.3
71	32.3	32.6	49.0

Manual Integrations
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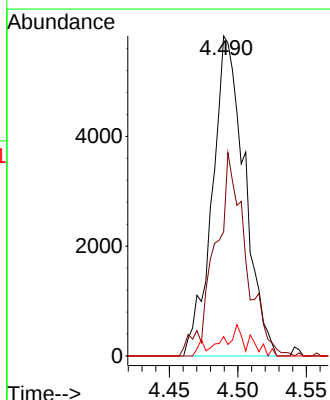
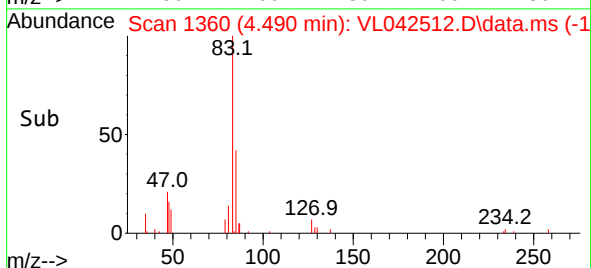
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

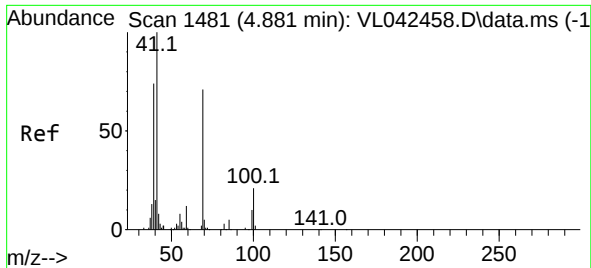


#42
Bromodichloromethane
Concen: 0.504 ppbv m
RT: 4.490 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37



Tgt Ion:	83	Resp:	9551
Ion Ratio	100	Lower	Upper
83	100		
85	38.8	51.5	77.3
127	6.1	5.4	8.2





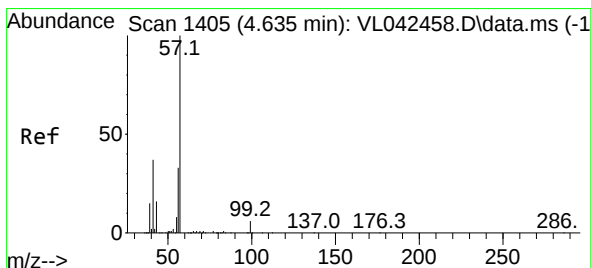
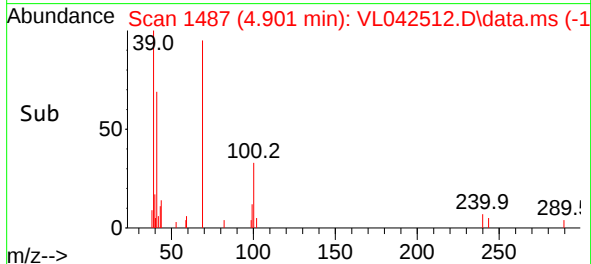
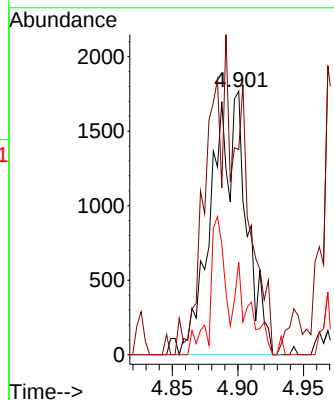
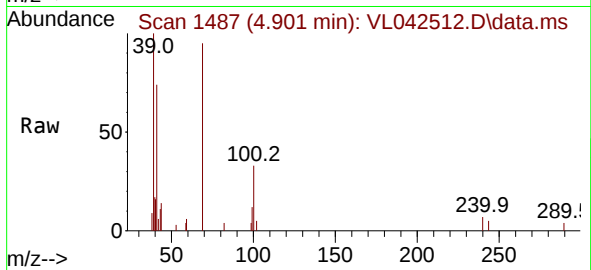
#43
Methyl Methacrylate
Concen: 0.431 ppbv m
RT: 4.901 min Scan# 1487
Delta R.T. 0.020 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

Tgt Ion: 69 Resp: 3230
Ion Ratio Lower Upper
69 100
41 127.5 120.8 181.2
100 38.6 26.7 40.1

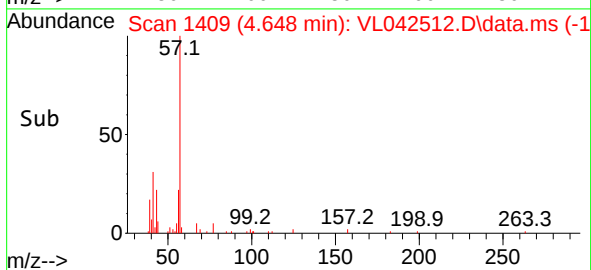
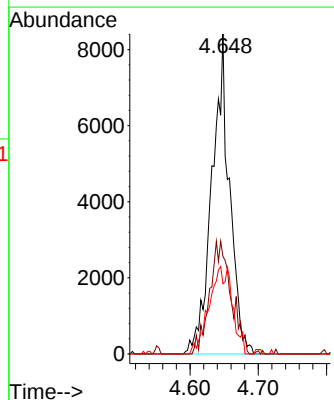
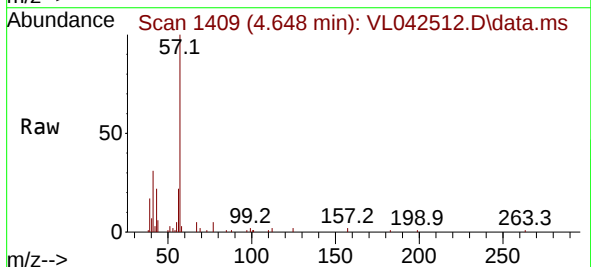
Manual Integrations
APPROVED

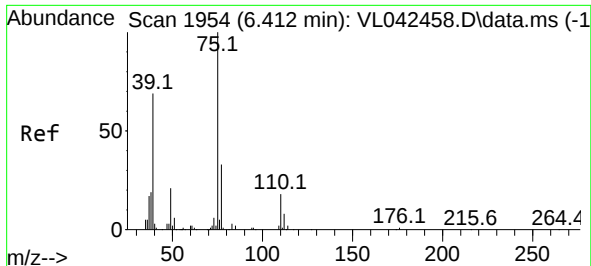
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#44
2,2,4-Trimethylpentane
Concen: 0.460 ppbv m
RT: 4.648 min Scan# 1409
Delta R.T. 0.013 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 57 Resp: 14999
Ion Ratio Lower Upper
57 100
41 43.2 30.6 45.8
56 0.0 25.0 37.6#





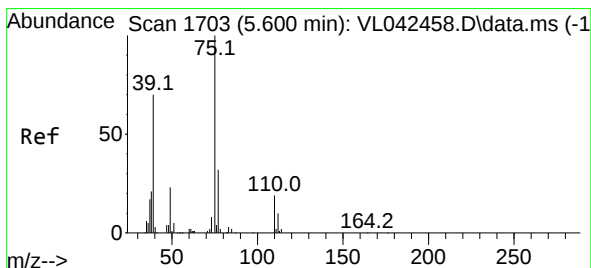
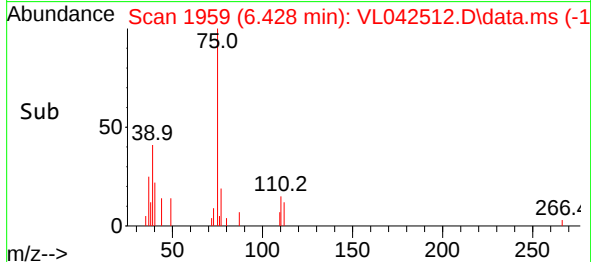
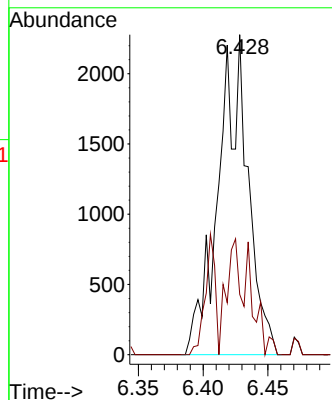
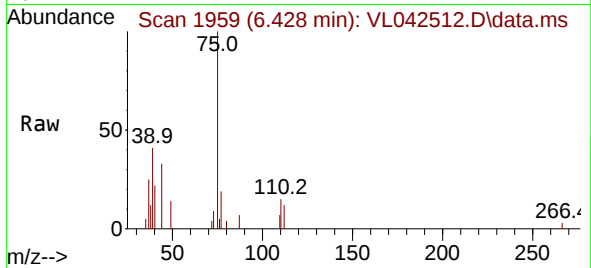
#45
t-1,3-Dichloropropene
Concen: 0.365 ppbv m
RT: 6.428 min Scan# 1954
Delta R.T. 0.016 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

Tgt Ion: 75 Resp: 3598
Ion Ratio Lower Upper
75 100
77 18.9 26.3 39.5

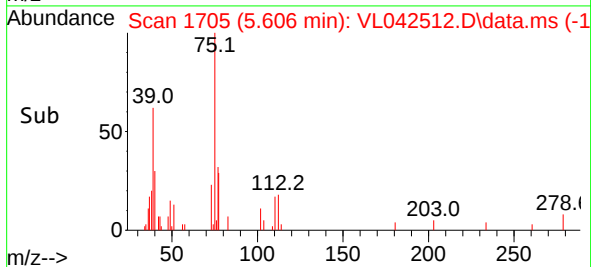
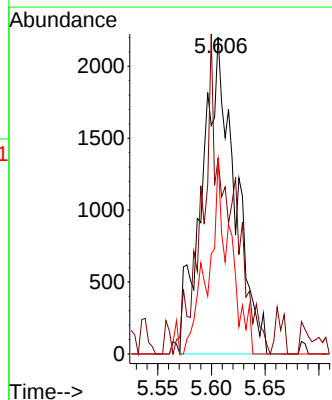
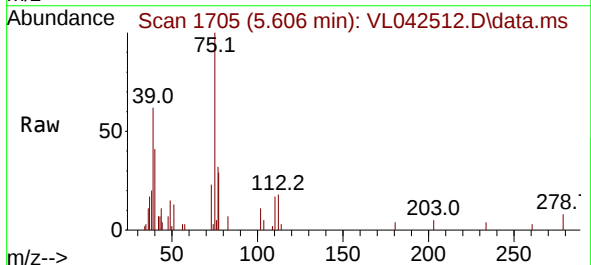
Manual Integrations
APPROVED

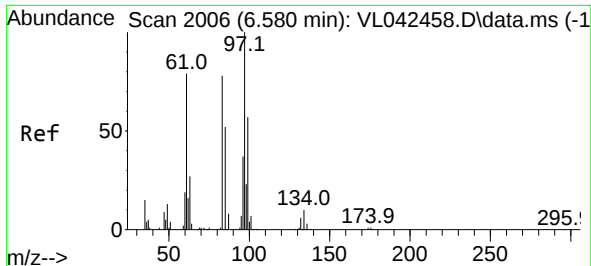
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#46
cis-1,3-Dichloropropene
Concen: 0.401 ppbv m
RT: 5.606 min Scan# 1705
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 75 Resp: 4693
Ion Ratio Lower Upper
75 100
39 61.7 55.7 83.5
77 32.5 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 0.584 ppbv m

RT: 6.590 min Scan# 2006

Delta R.T. 0.010 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

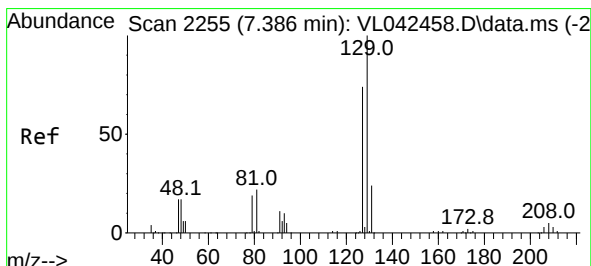
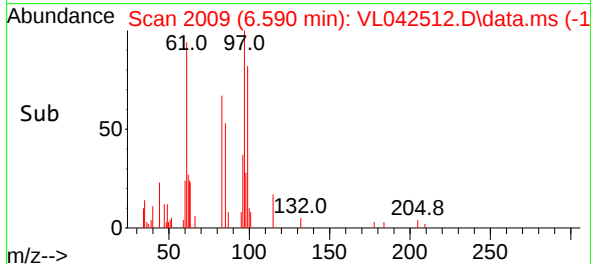
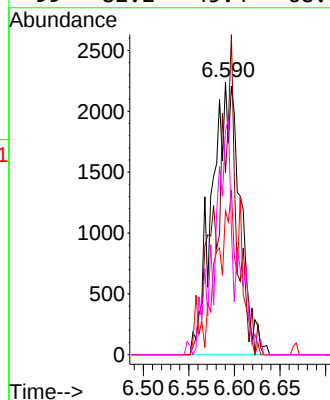
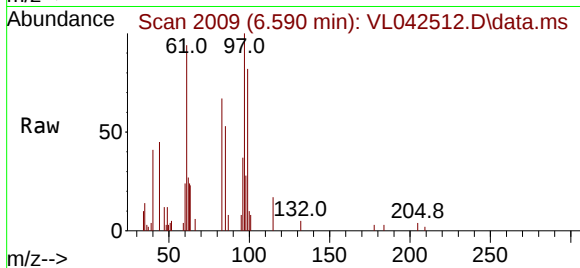
Tgt Ion: 97	Resp: 482
Ion Ratio	Lower Upper
97 100	
83 66.7	62.2 93.2
85 52.8	41.5 62.3
99 82.2	45.4 68.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025

Supervised By :Mahesh Dadoda 05/09/2025



#48

Dibromochloromethane

Concen: 0.470 ppbv m

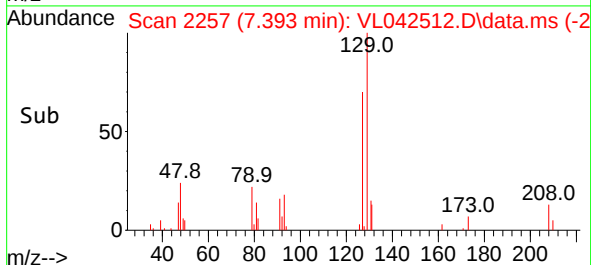
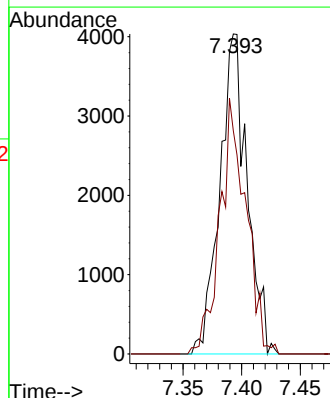
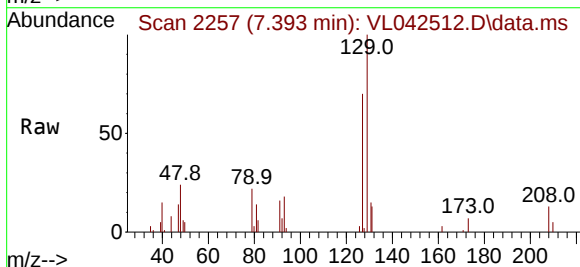
RT: 7.393 min Scan# 2257

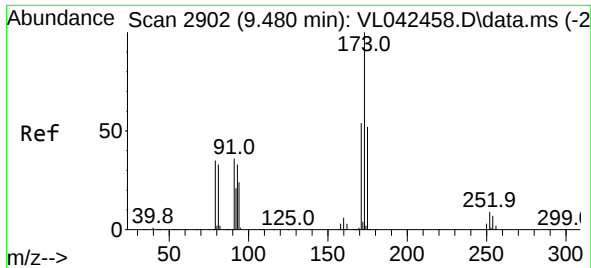
Delta R.T. 0.007 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

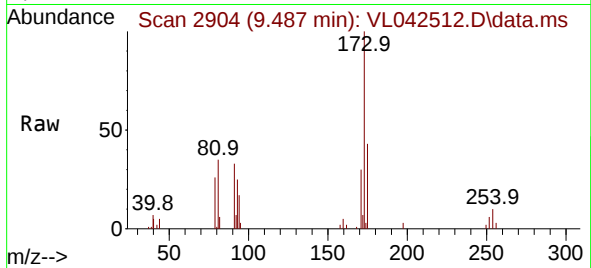
Tgt Ion:129	Resp: 6556
Ion Ratio	Lower Upper
129 100	
127 76.0	39.5 118.5





#49
Bromoform
Concen: 0.450 ppbv
RT: 9.487 min Scan# 2904
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

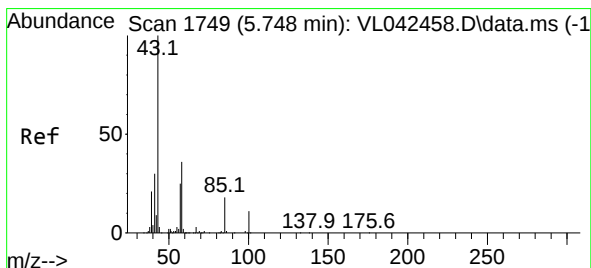
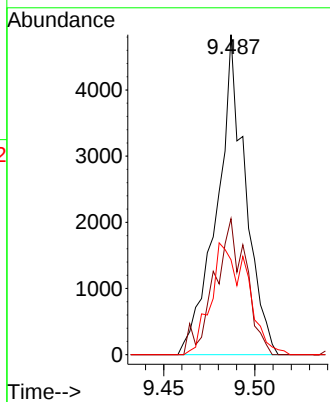
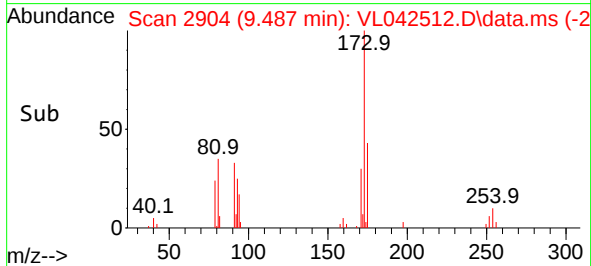
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



Tgt Ion:173 Resp: 5258
Ion Ratio Lower Upper
173 100
175 47.1 38.9 58.3
171 44.5 40.6 60.8

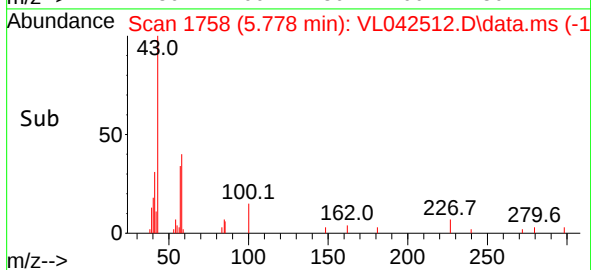
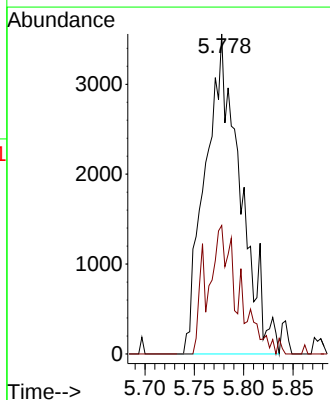
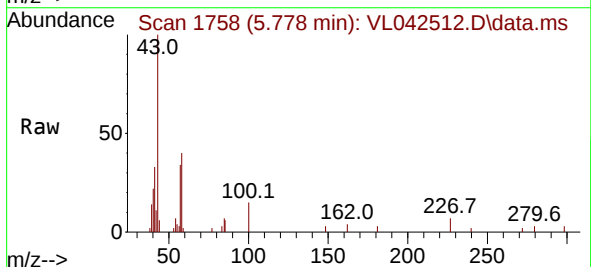
Manual Integrations
APPROVED

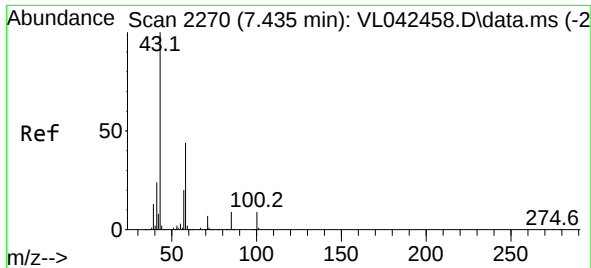
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#50
4-Methyl-2-Pentanone
Concen: 0.448 ppbv m
RT: 5.778 min Scan# 1758
Delta R.T. 0.029 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

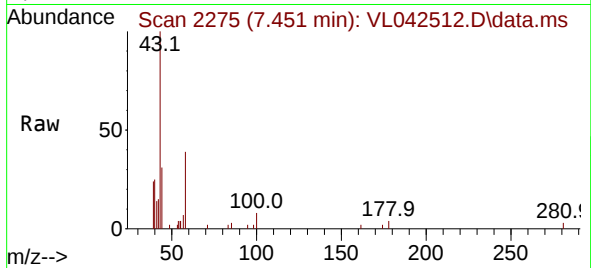
Tgt Ion: 43 Resp: 8744
Ion Ratio Lower Upper
43 100
58 35.9 29.5 44.3





#51
2-Hexanone
Concen: 0.359 ppbv m
RT: 7.451 min Scan# 2116
Delta R.T. 0.016 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

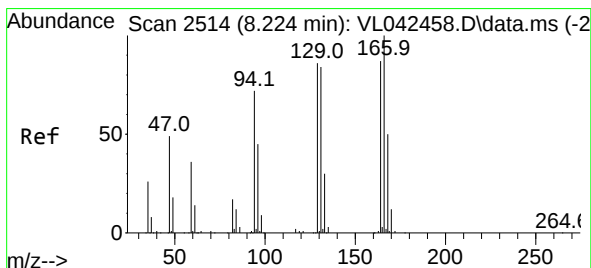
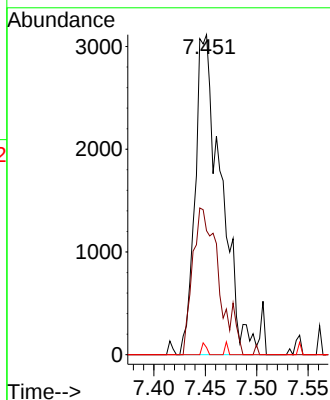
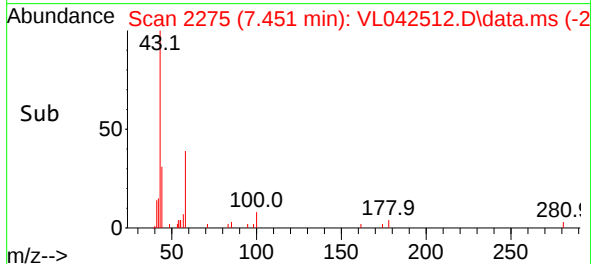
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



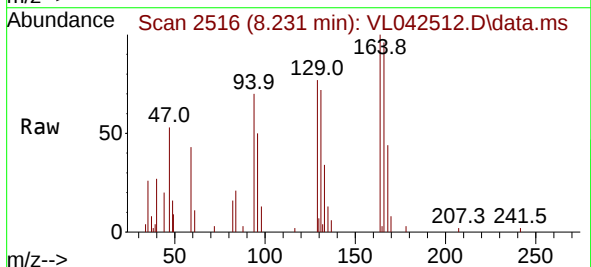
Tgt Ion: 43 Resp: 5590
Ion Ratio Lower Upper
43 100
58 45.5 37.2 55.8
98 0.0 0.4 0.6

Manual Integrations
APPROVED

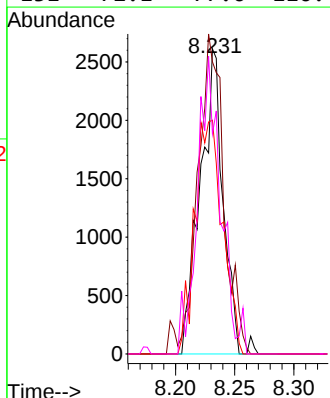
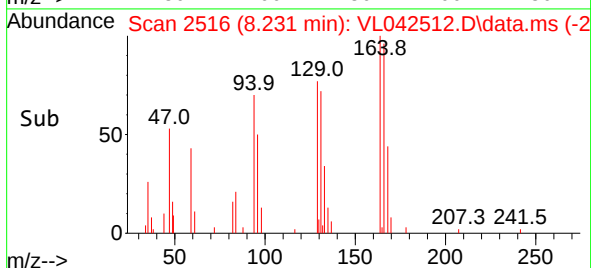
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

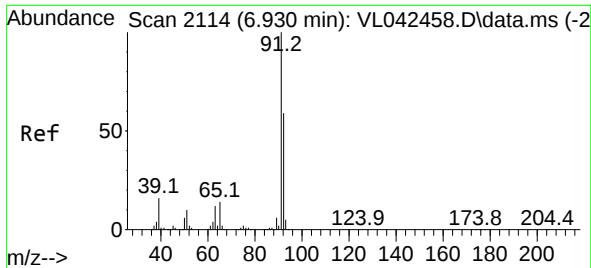


#52
Tetrachloroethene
Concen: 0.462 ppbv m
RT: 8.231 min Scan# 2516
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37



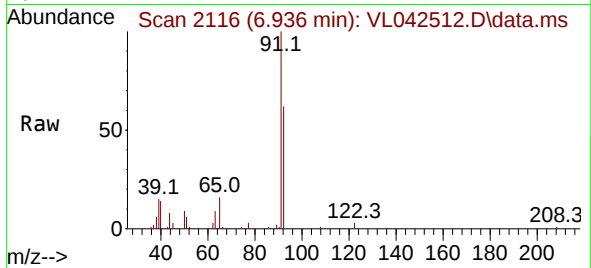
Tgt Ion:164 Resp: 3536
Ion Ratio Lower Upper
164 100
166 95.7 91.6 137.4
129 76.6 79.0 118.4#
131 72.1 77.6 116.4#





#53
Toluene
Concen: 0.425 ppbv m
RT: 6.936 min Scan# 2114
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

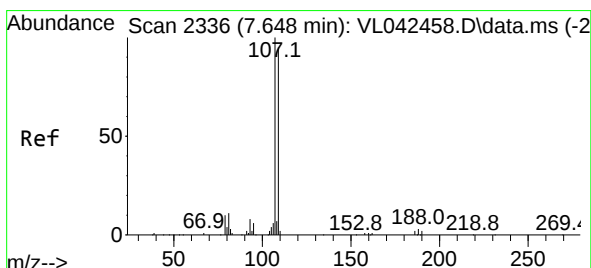
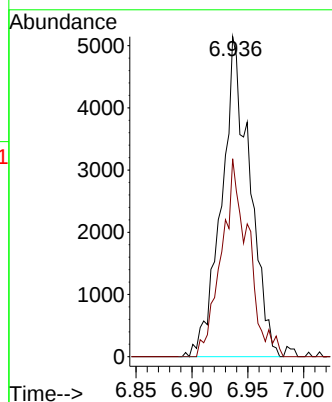
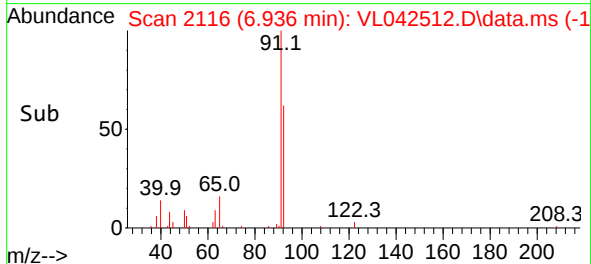
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



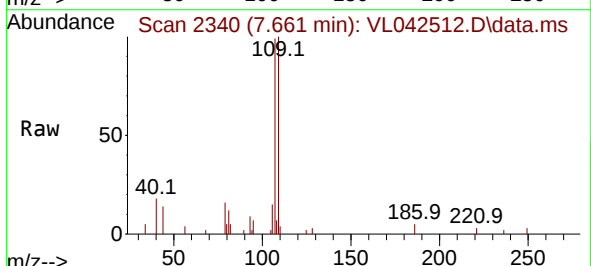
Tgt Ion: 91 Resp: 9058
Ion Ratio Lower Upper
91 100
92 59.0 47.9 71.9

Manual Integrations
APPROVED

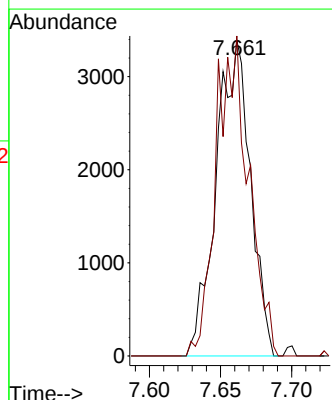
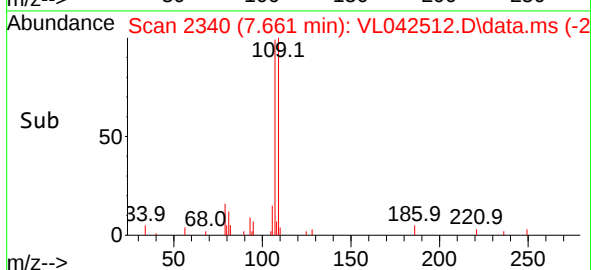
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

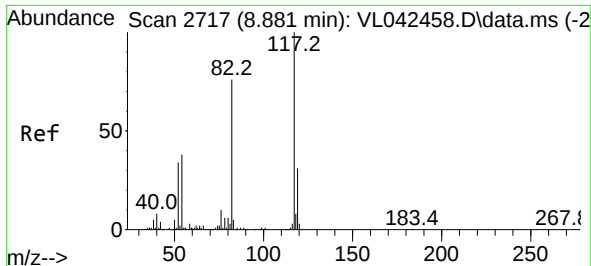


#54
1,2-Dibromoethane
Concen: 0.449 ppbv m
RT: 7.661 min Scan# 2340
Delta R.T. 0.013 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37



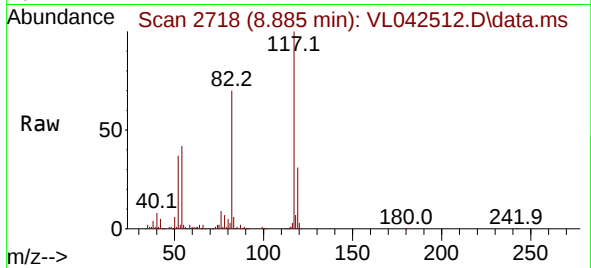
Tgt Ion:107 Resp: 5669
Ion Ratio Lower Upper
107 100
109 101.4 76.0 114.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2717
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

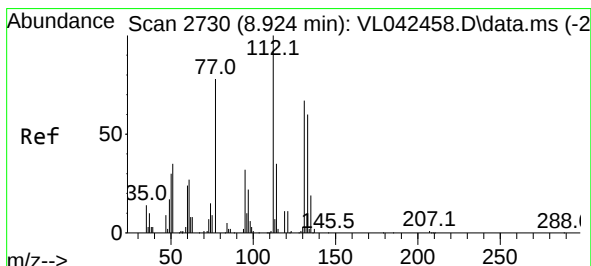
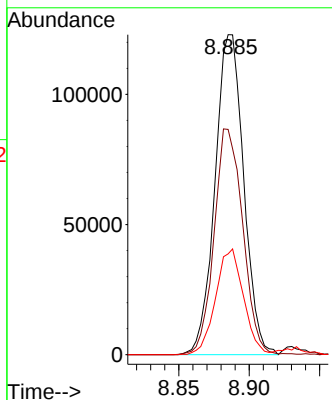
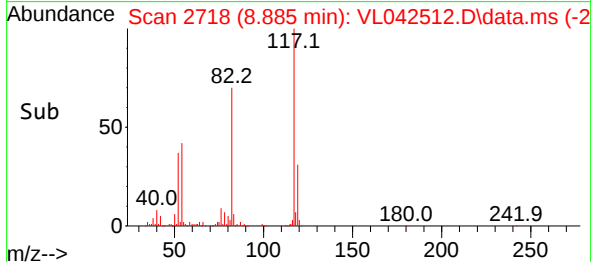
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



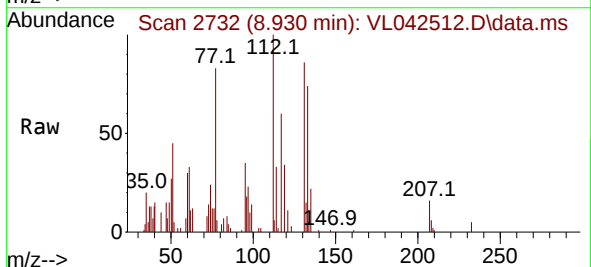
Tgt Ion:117 Resp: 174659
Ion Ratio Lower Upper
117 100
82 70.6 63.5 95.3
119 33.9 25.8 38.8

Manual Integrations
APPROVED

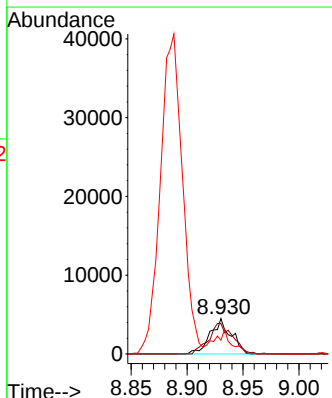
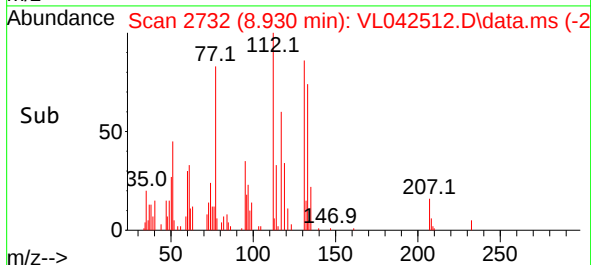
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

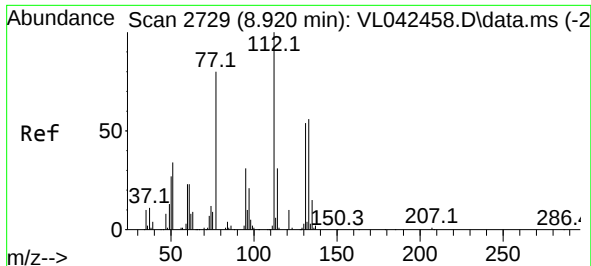


#56
1,1,1,2-Tetrachloroethane
Concen: 0.562 ppbv m
RT: 8.930 min Scan# 2732
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37



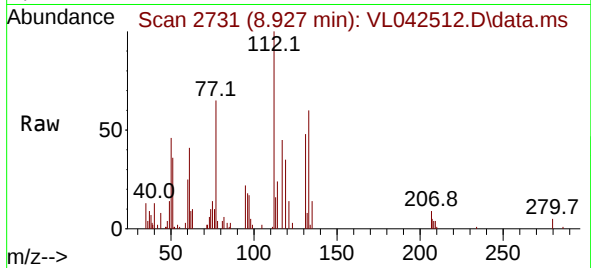
Tgt Ion:131 Resp: 5800
Ion Ratio Lower Upper
131 100
133 98.9 76.0 114.0
119 0.0 46.1 69.1#





#57
Chlorobenzene
Concen: 0.515 ppbv
RT: 8.927 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

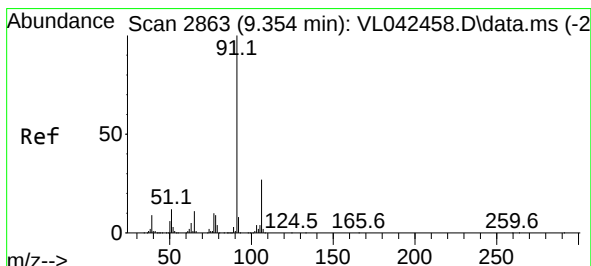
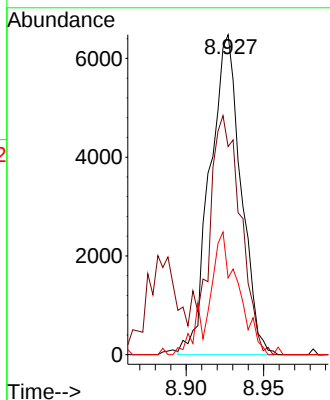
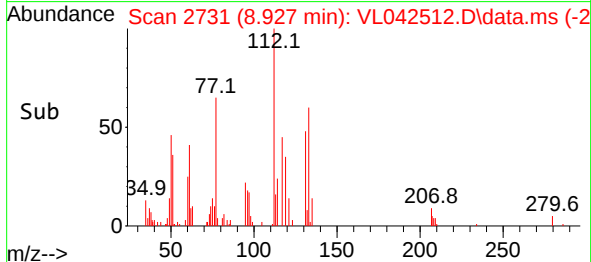
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



Tgt Ion:112 Resp: 903
Ion Ratio Lower Upper
112 100
77 65.1 65.0 97.4
114 21.8 27.5 33.7

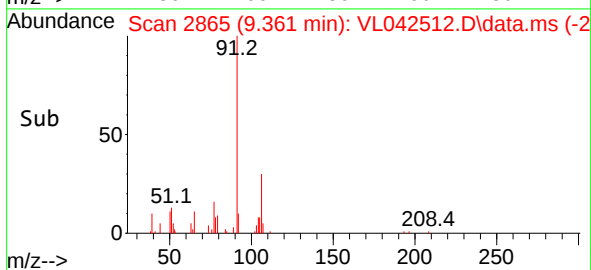
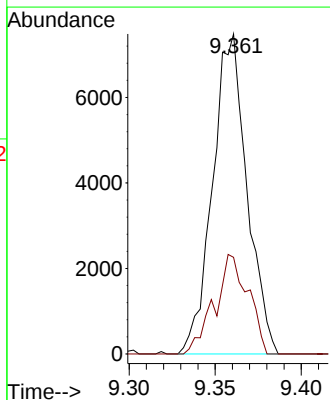
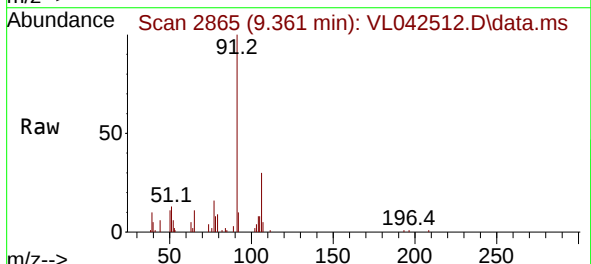
Manual Integrations
APPROVED

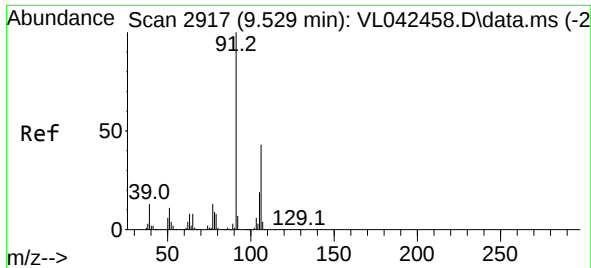
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#58
Ethyl Benzene
Concen: 0.356 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion: 91 Resp: 10381
Ion Ratio Lower Upper
91 100
106 30.2 21.9 32.9





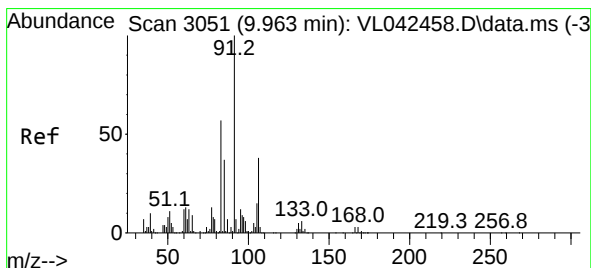
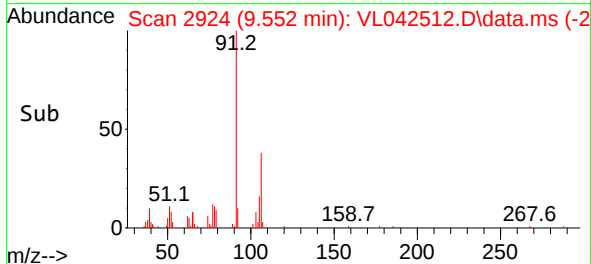
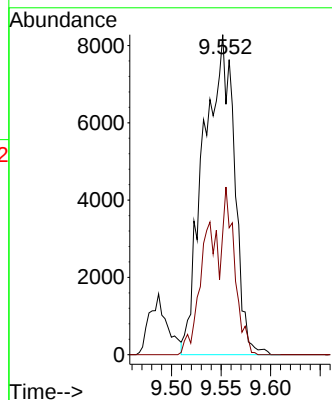
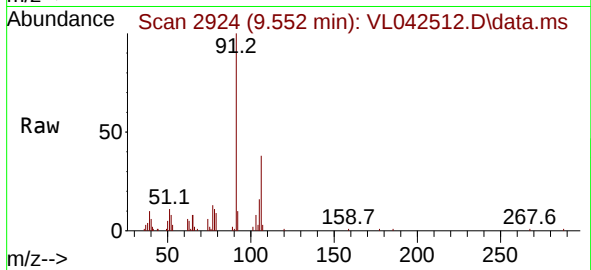
#59
m/p-Xylene
Concen: 0.731 ppbv m
RT: 9.552 min Scan# 2917
Delta R.T. 0.023 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

Tgt Ion: 91 Resp: 1788
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2

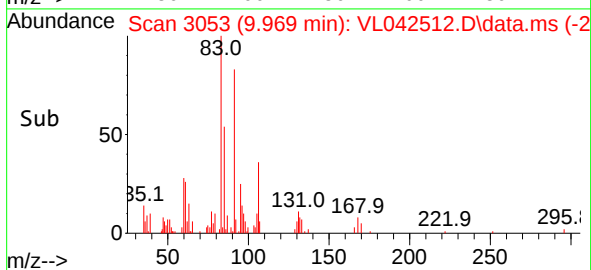
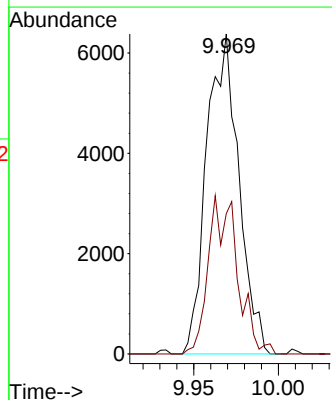
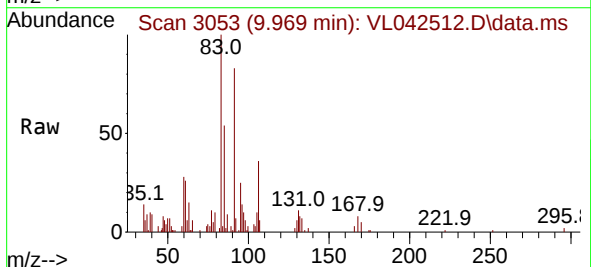
Manual Integrations
APPROVED

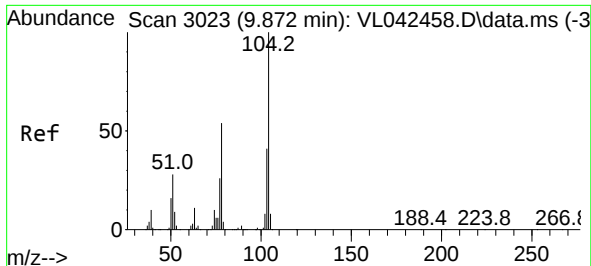
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#60
o-Xylene
Concen: 0.343 ppbv m
RT: 9.969 min Scan# 3053
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

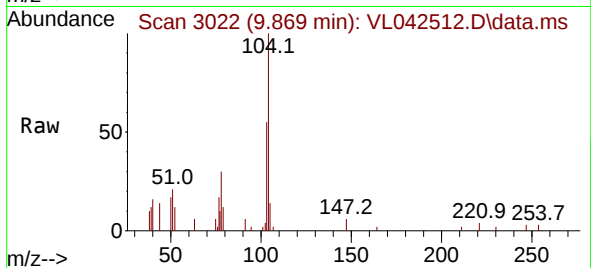
Tgt Ion: 91 Resp: 8402
Ion Ratio Lower Upper
91 100
106 0.0 20.1 60.2





#61
Styrene
Concen: 0.362 ppbv m
RT: 9.869 min Scan# 3023
Delta R.T. -0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

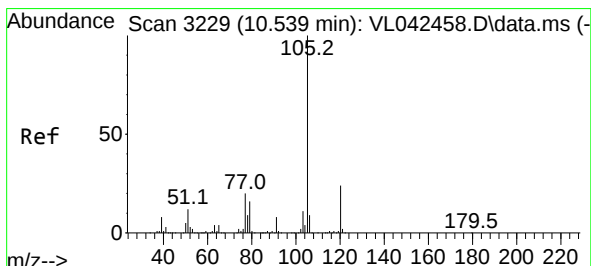
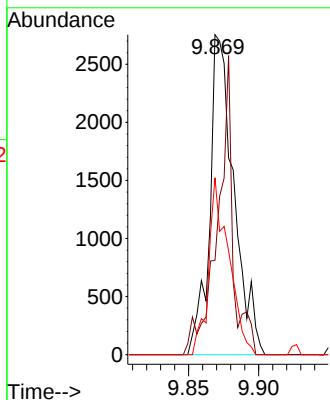
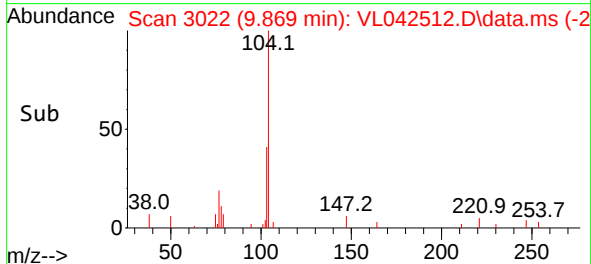
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



Tgt Ion:104 Resp: 3314
Ion Ratio Lower Upper
104 100
78 59.2 46.9 70.3
103 46.0 36.6 55.0

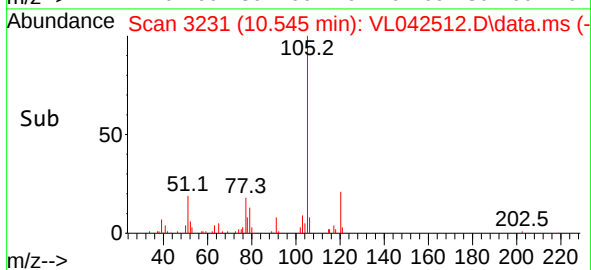
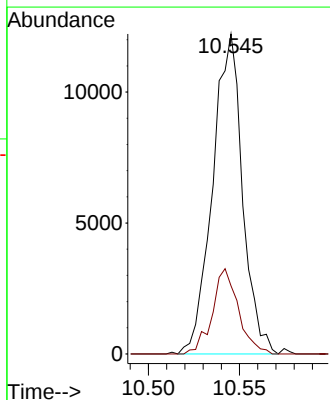
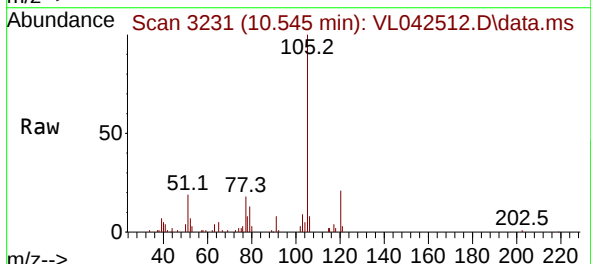
Manual Integrations
APPROVED

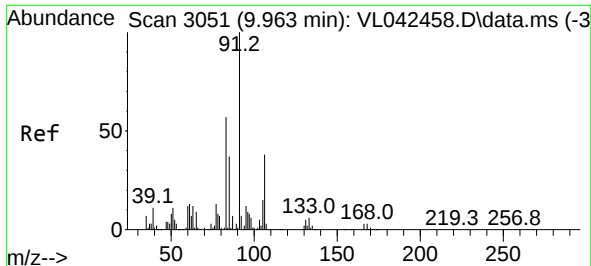
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#62
Isopropylbenzene
Concen: 0.394 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion:105 Resp: 13940
Ion Ratio Lower Upper
105 100
120 23.3 18.8 28.2





#63

1,1,2,2-Tetrachloroethane

Concen: 0.526 ppbv

RT: 9.966 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

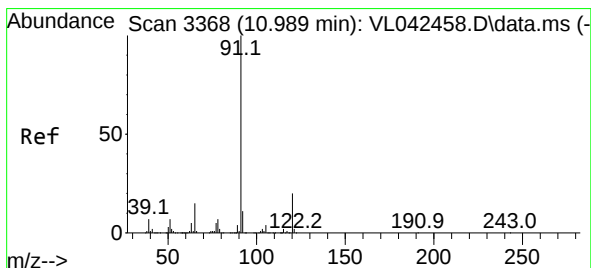
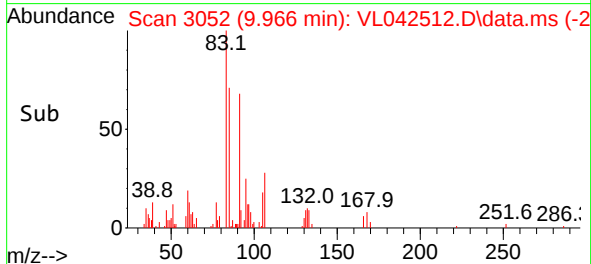
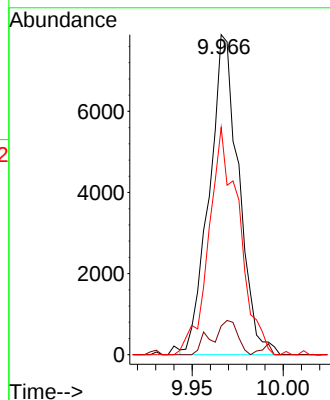
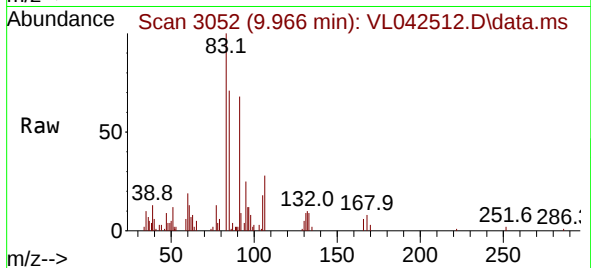
MDL1 0.45

Tgt Ion:	83	Resp:	888
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.7	14.1
85	73.5	32.5	97.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#64

n-propylbenzene

Concen: 0.376 ppbv

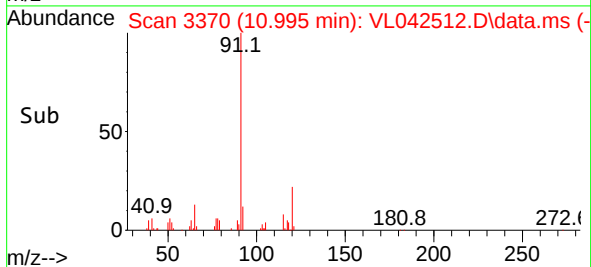
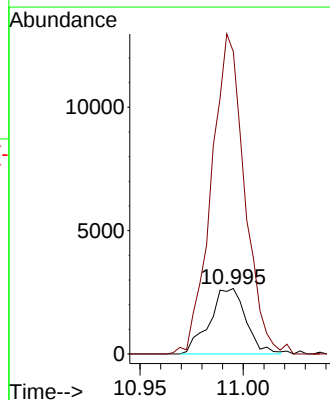
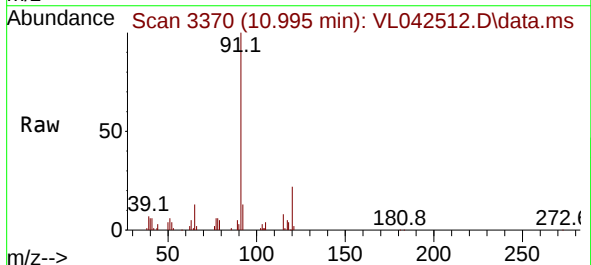
RT: 10.995 min Scan# 3370

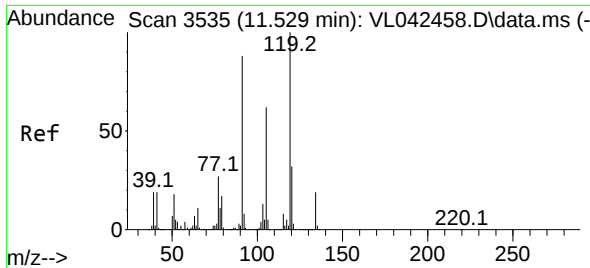
Delta R.T. 0.007 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

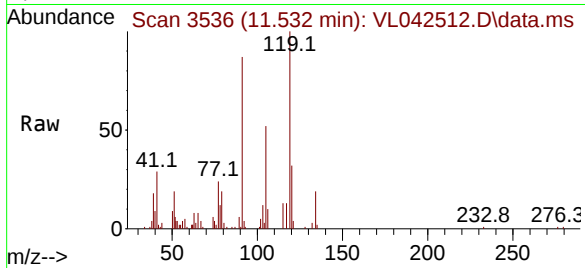
Tgt Ion:	120	Resp:	3244
Ion Ratio	Lower	Upper	
120	100		
91	450.6	408.6	612.8





#65
tert-Butylbenzene
Concen: 0.317 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

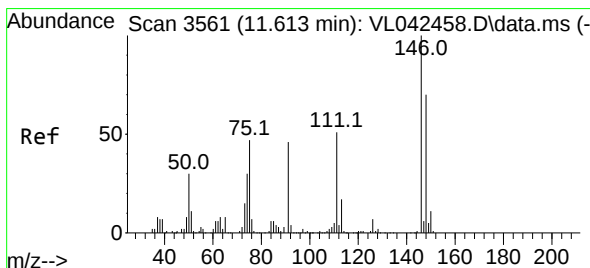
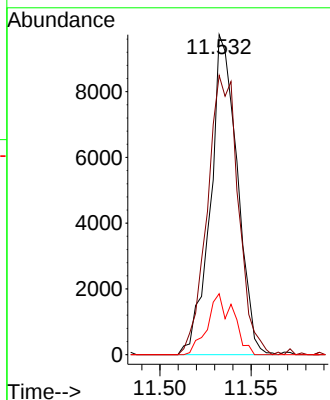
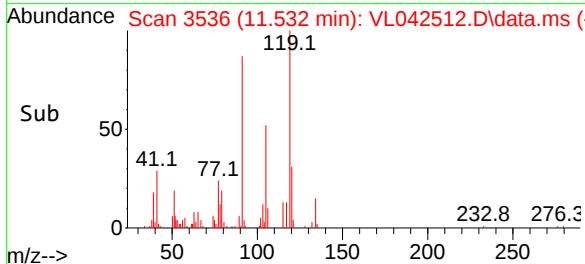
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



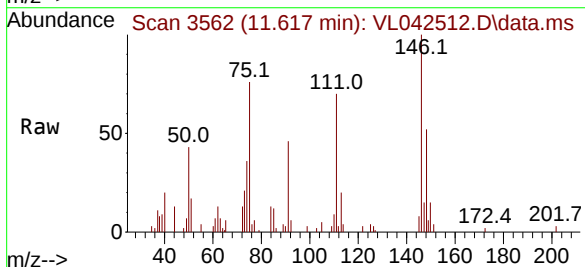
Tgt Ion	Ratio	Lower	Upper
119	100		
91	101.2	71.6	107.4
134	18.4	15.0	22.4

Manual Integrations
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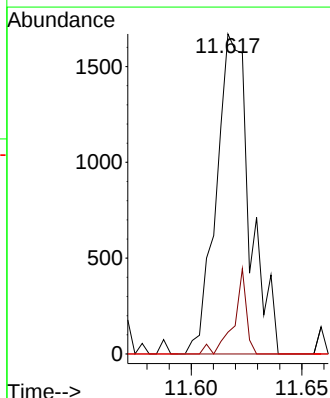
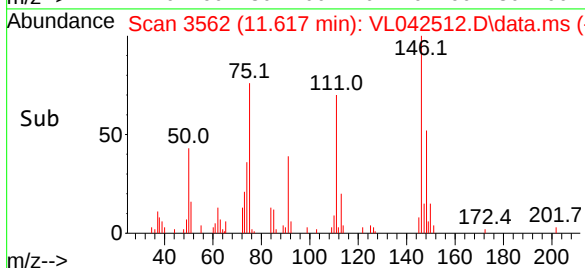
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

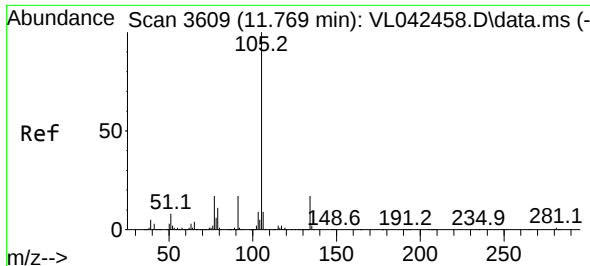


#66
Benzyl Chloride
Concen: 0.482 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37



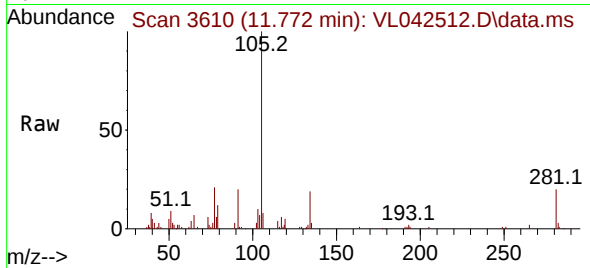
Tgt Ion	Ratio	Lower	Upper
91	100		
126	9.9	13.3	19.9#
128	0.0	4.2	6.4#





#67
 sec-Butylbenzene
 Concen: 0.362 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.003 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

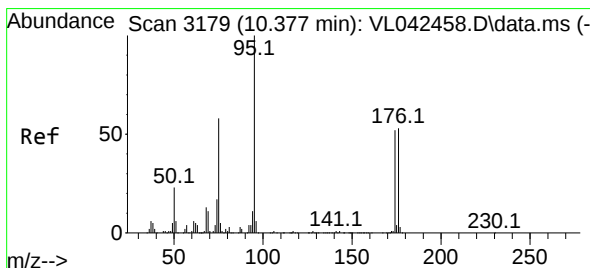
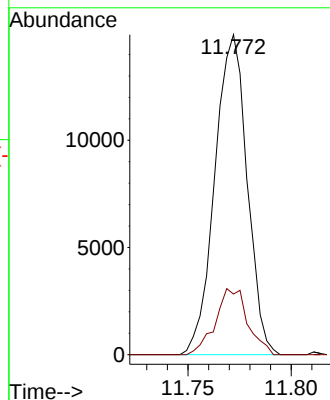
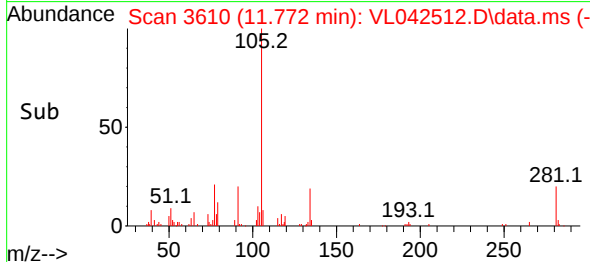
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45



Tgt Ion:105 Resp: 16239
 Ion Ratio Lower Upper
 105 100
 134 20.6 14.1 21.1

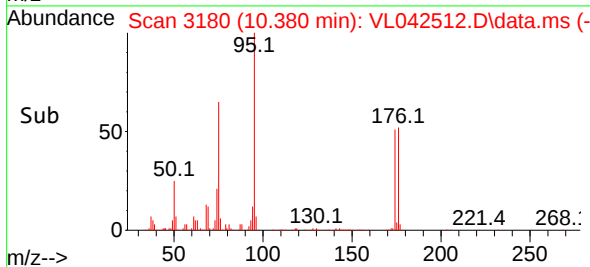
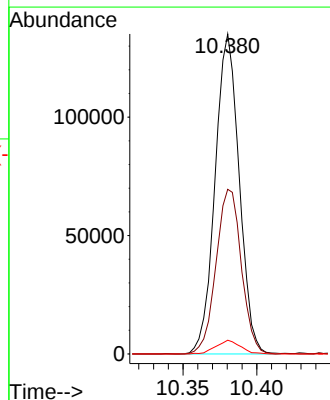
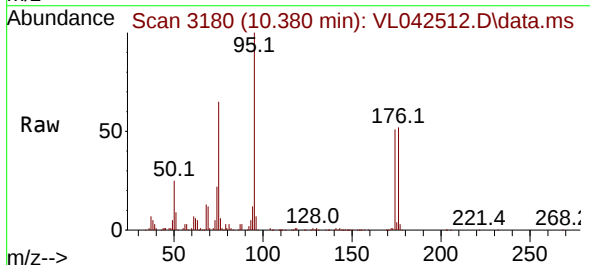
Manual Integrations
 APPROVED

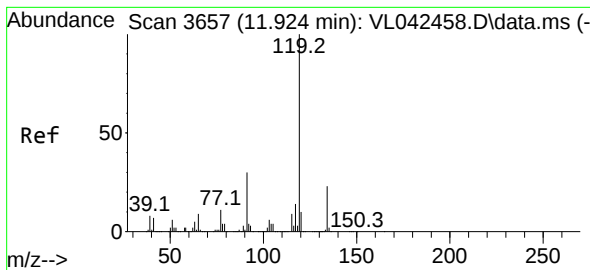
Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.489 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.003 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

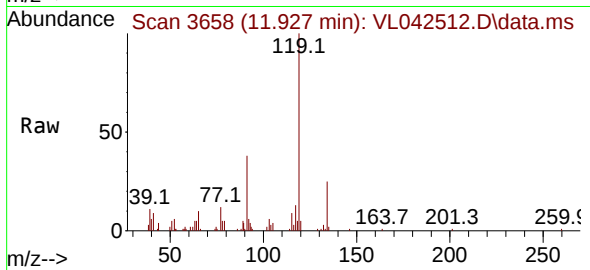
Tgt Ion: 95 Resp: 153655
 Ion Ratio Lower Upper
 95 100
 174 54.0 42.7 64.1
 175 4.3 3.6 5.4





#69
p-Isopropyltoluene
Concen: 0.311 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

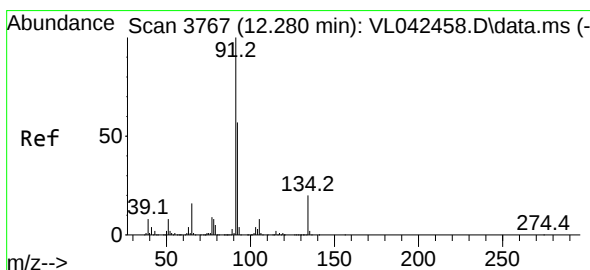
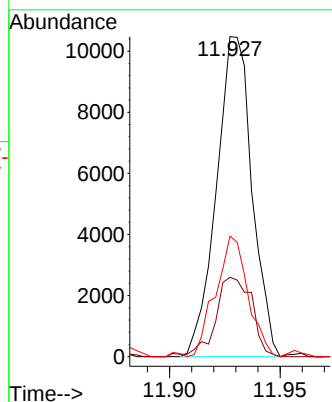
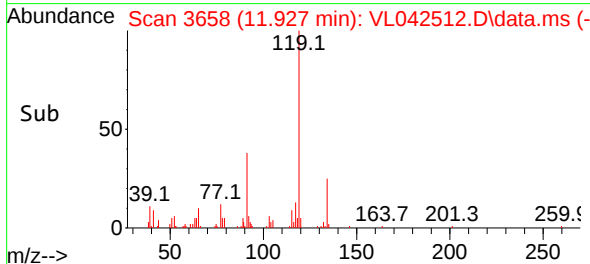
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



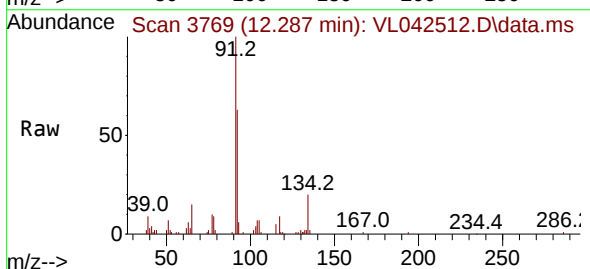
Tgt Ion: 119 Resp: 11728
Ion Ratio Lower Upper
119 100
134 25.6 19.0 28.4
91 36.9 25.5 38.3

Manual Integrations
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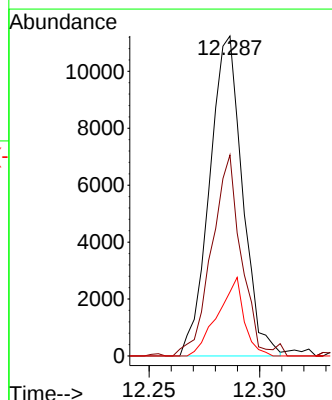
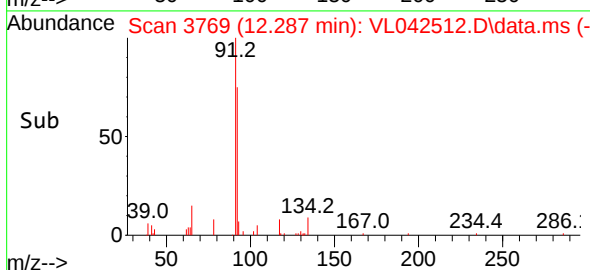
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

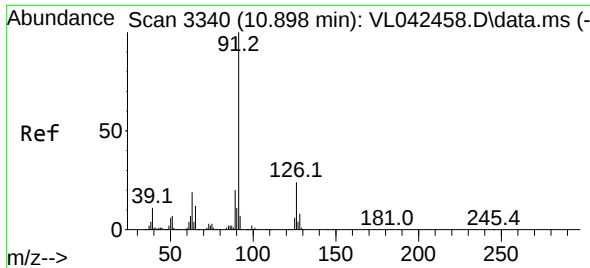


#70
n-Butylbenzene
Concen: 0.298 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37



Tgt Ion: 91 Resp: 11644
Ion Ratio Lower Upper
91 100
92 57.7 44.0 66.0
134 19.6 16.8 25.2





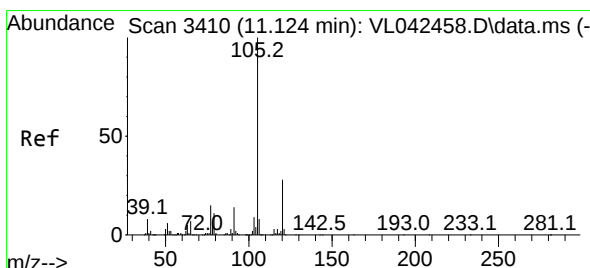
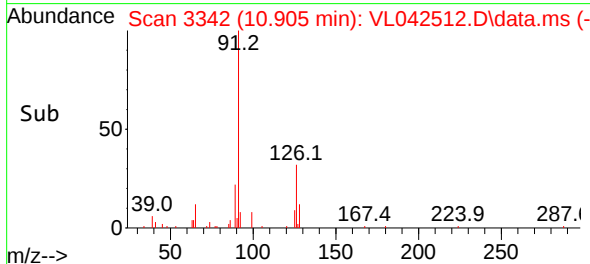
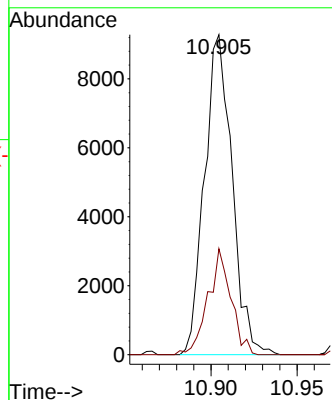
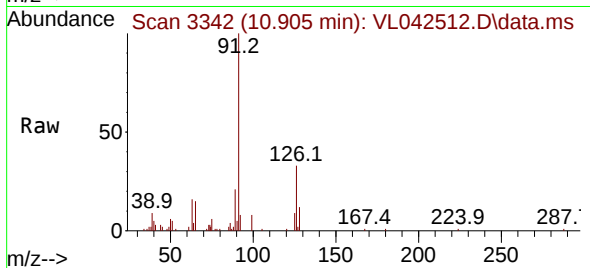
#71
2-Chlorotoluene
Concen: 0.374 ppbv
RT: 10.905 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

Tgt Ion: 91 Resp: 10350
Ion Ratio Lower Upper
91 100
126 27.6 10.6 42.2

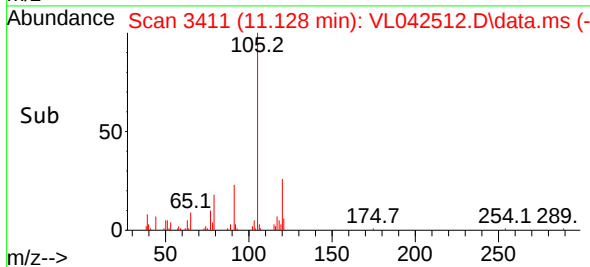
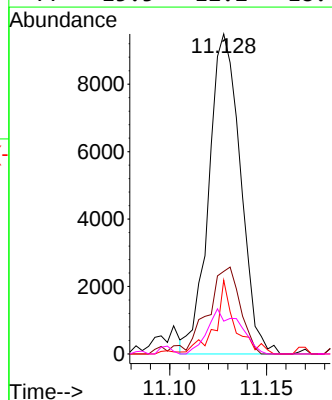
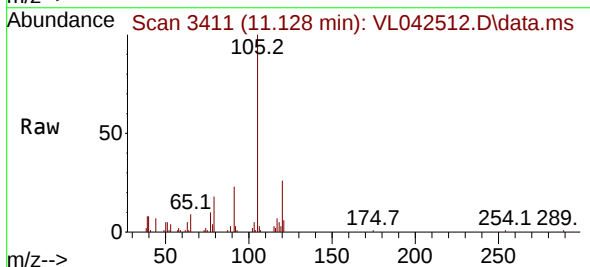
Manual Integrations
APPROVED

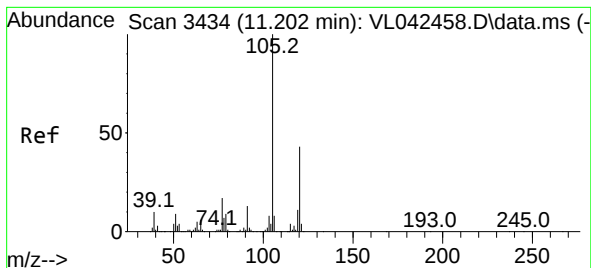
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#72
4-Ethyltoluene
Concen: 0.373 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Tgt Ion:105 Resp: 10768
Ion Ratio Lower Upper
105 100
120 28.9 22.0 33.0
91 15.0 11.2 16.8
77 15.5 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 0.349 ppbv

RT: 11.206 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

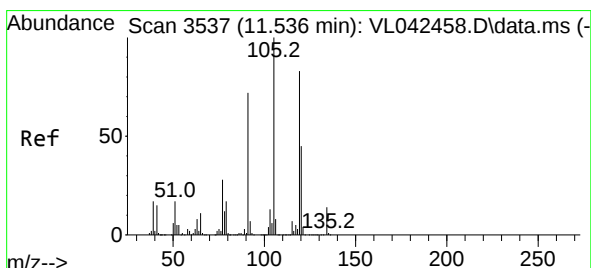
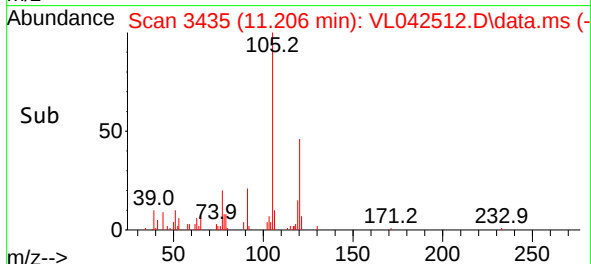
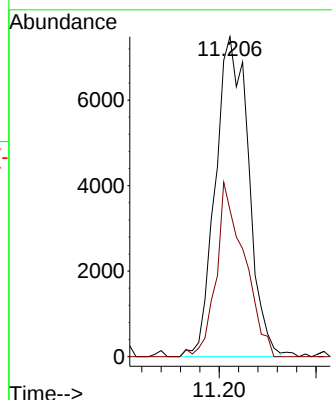
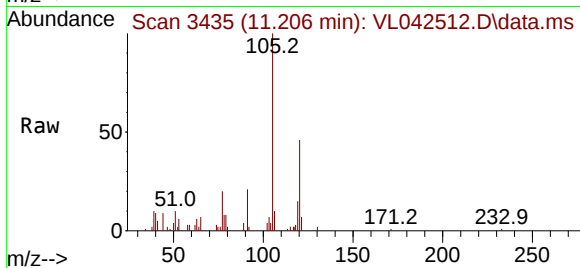
MDL1 0.45

Tgt Ion:105 Resp: 8874
 Ion Ratio Lower Upper
 105 100
 120 45.8 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.332 ppbv

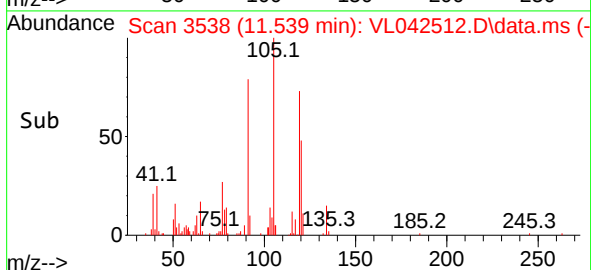
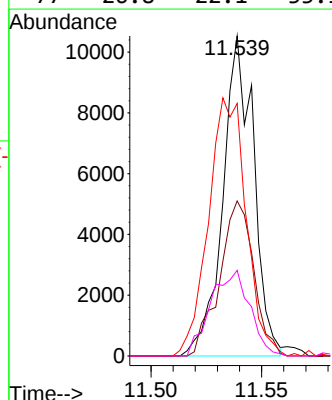
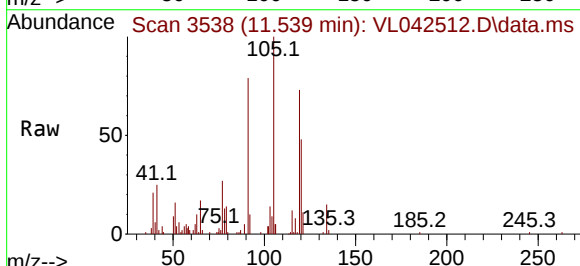
RT: 11.539 min Scan# 3538

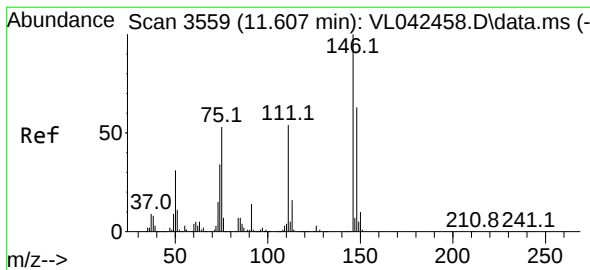
Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

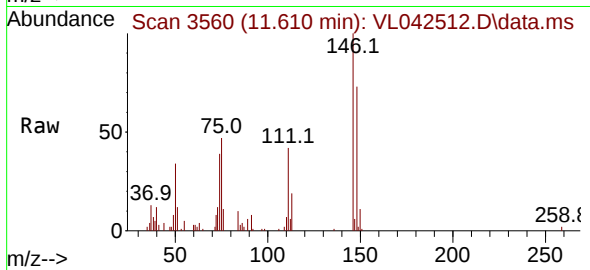
Tgt Ion:105 Resp: 10209
 Ion Ratio Lower Upper
 105 100
 120 48.4 36.1 54.1
 91 77.4 57.6 86.4
 77 26.8 22.1 33.1





#75
1,3-Dichlorobenzene
Concen: 0.437 ppbv
RT: 11.610 min Scan# 3559
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

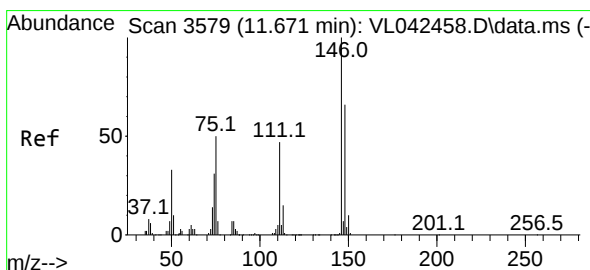
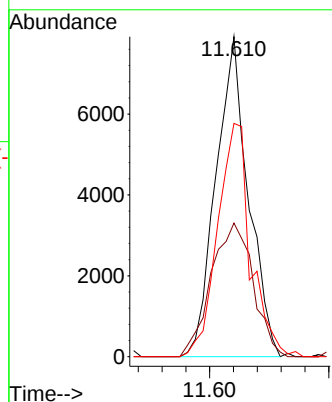
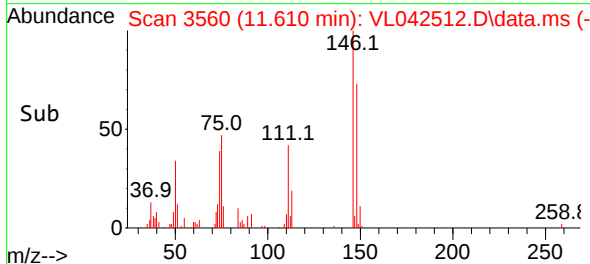
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45



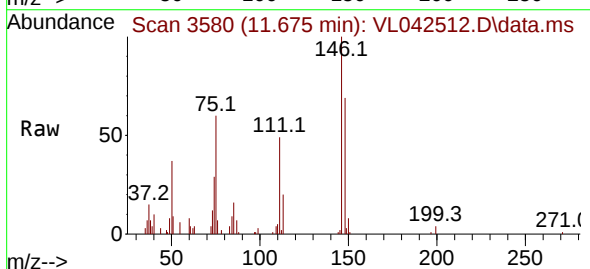
Tgt Ion:146 Resp: 7478
Ion Ratio Lower Upper
146 100
111 53.9 26.1 78.3
148 74.2 32.0 96.0

Manual Integrations
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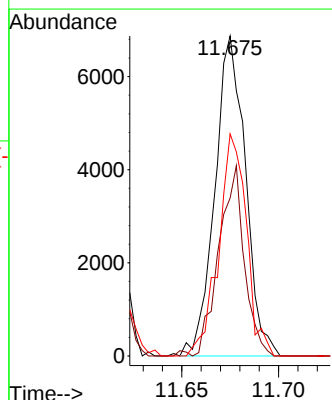
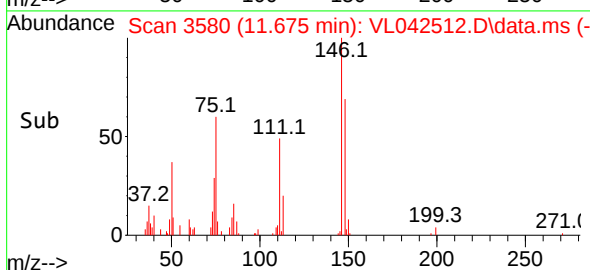
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

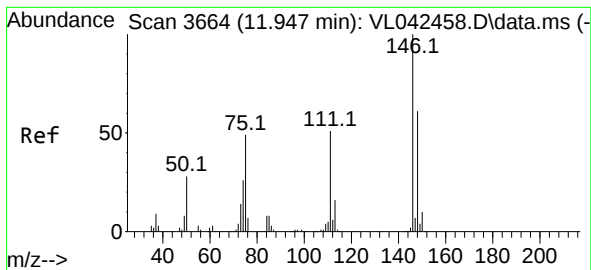


#76
1,4-Dichlorobenzene
Concen: 0.465 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.003 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37



Tgt Ion:146 Resp: 7534
Ion Ratio Lower Upper
146 100
111 50.0 24.4 73.2
148 63.2 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 0.541 ppbv

RT: 11.950 min Scan# 30

Delta R.T. 0.003 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

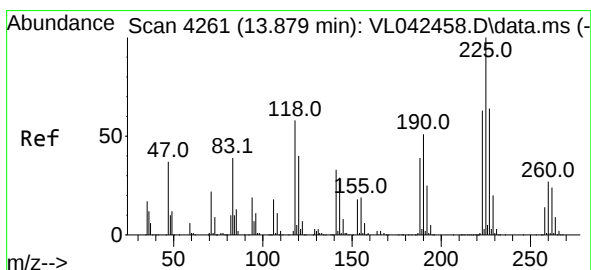
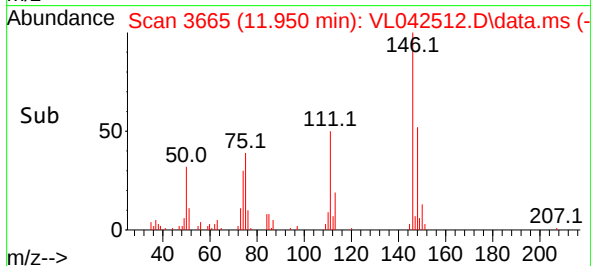
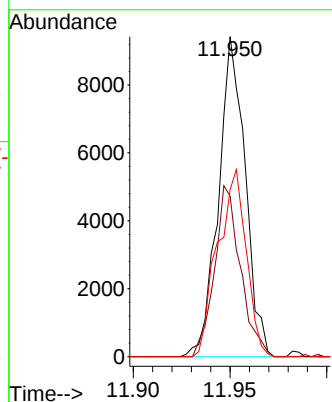
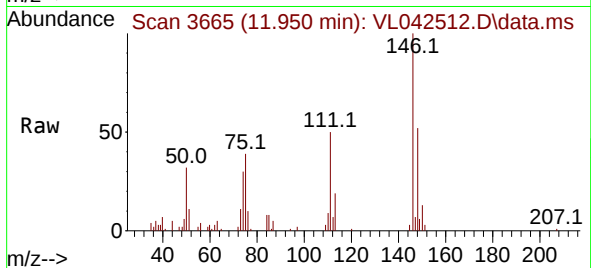
MDL1 0.45

Tgt Ion:	146	Resp:	906
Ion Ratio	Lower	Upper	
146	100		
111	51.6	26.5	79.5
148	62.5	31.5	94.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.509 ppbv

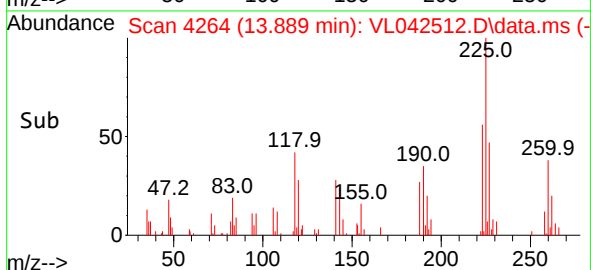
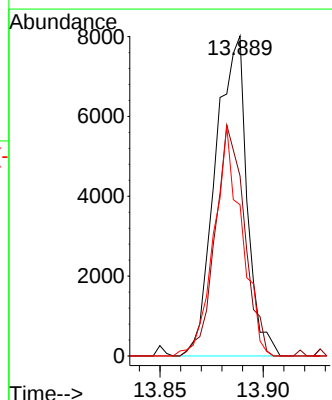
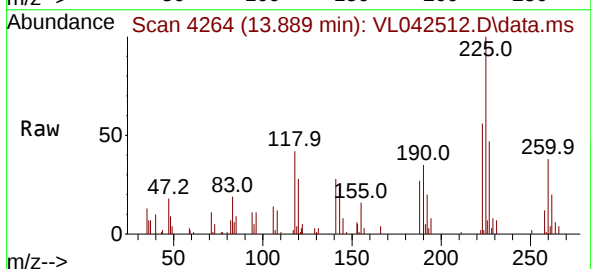
RT: 13.889 min Scan# 4264

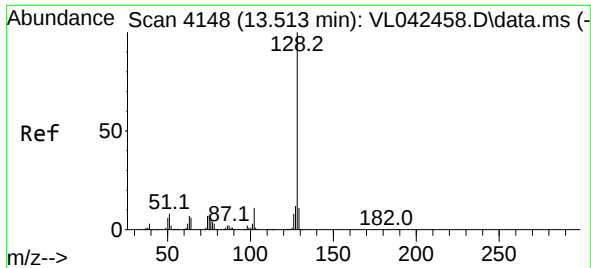
Delta R.T. 0.010 min

Lab File: VL042512.D

Acq: 07 May 2025 11:37

Tgt Ion:	225	Resp:	8513
Ion Ratio	Lower	Upper	
225	100		
223	67.7	50.2	75.4
227	62.9	51.2	76.8





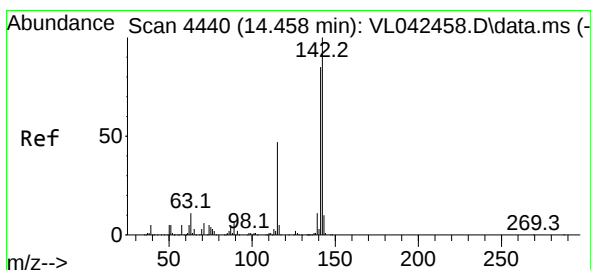
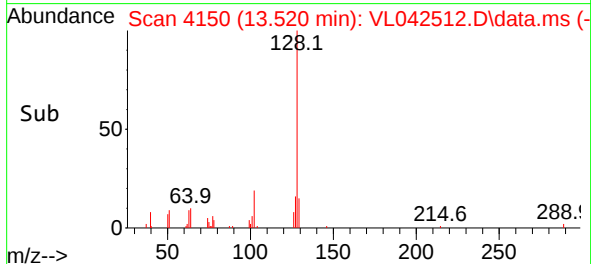
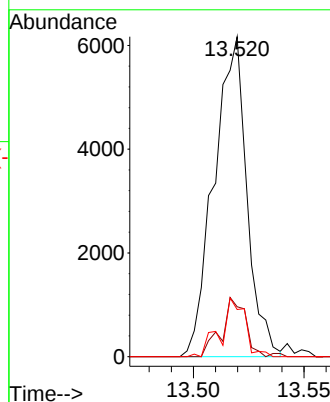
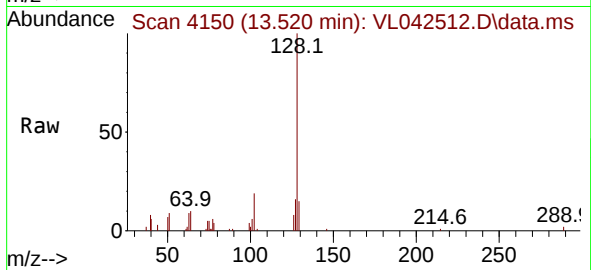
#79
Naphthalene
Concen: 0.247 ppbv
RT: 13.520 min Scan# 4150
Delta R.T. 0.007 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

Tgt Ion:128 Resp: 638
Ion Ratio Lower Upper
128 100
127 15.6 9.7 14.5
129 14.8 8.6 13.0

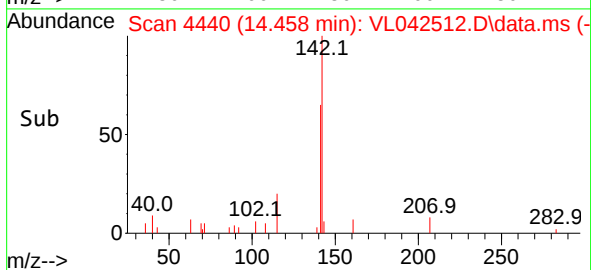
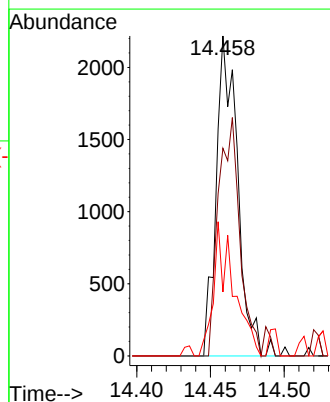
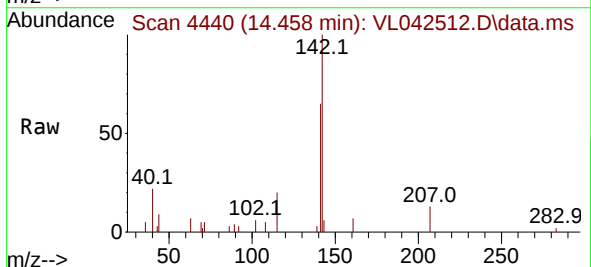
Manual Integrations
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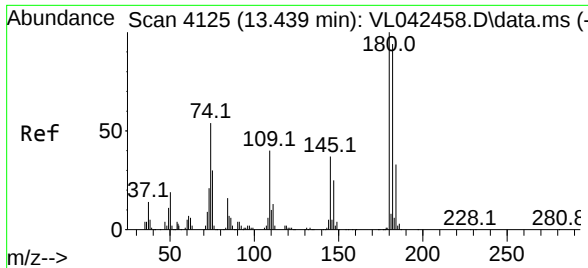
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#80
Naphthalene,2-methyl-
Concen: 0.116 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL042512.D
Acq: 07 May 2025 11:37

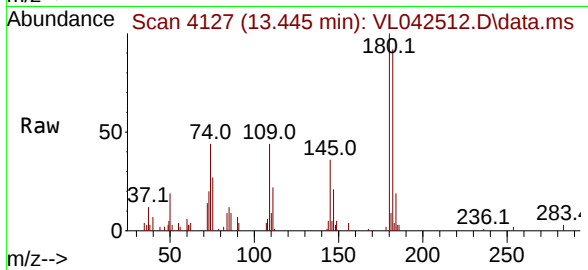
Tgt Ion:142 Resp: 2236
Ion Ratio Lower Upper
142 100
141 76.9 67.4 101.0
115 43.5 36.9 55.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.304 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL042512.D
 Acq: 07 May 2025 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45



Tgt Ion:180 Resp: 4198
 Ion Ratio Lower Upper
 180 100
 182 94.4 74.6 111.8
 184 25.2 24.9 37.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025

