

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042513.D
 Acq On : 07 May 2025 12:09
 Operator : SY/MD
 Sample : MDL2 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45

Manual Integrations APPROVED

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

Quant Time: May 08 01:32:37 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	78575	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	203636	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	170630	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 152135 9.617 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	6681	0.514	ppbv	96
3) Chlorodifluoromethane	1.476	51	7420	0.540	ppbv	100
4) Chloromethane	1.534	50	2803	0.516	ppbv	92
5) Vinyl Chloride	1.583	62	2822	0.516	ppbv	90
6) Bromomethane	1.667	94	1333	0.516	ppbv #	65
7) Chloroethane	1.706	64	1121	0.555	ppbv	89
8) Dichlorotetrafluoroethane	1.557	85	5226	0.488	ppbv	98
9) Propene	1.486	41	2331	0.518	ppbv	96
10) Heptane	4.981	43	4471m	0.383	ppbv	
11) Trichlorofluoromethane	1.881	101	6742	0.562	ppbv	89
12) 1,1,2-Trichlorotrifluo...	2.146	101	5753	0.601	ppbv	100
13) Ethanol	1.725	45	753m	0.825	ppbv	
14) Bromoethene	1.784	108	1860	0.526	ppbv #	93
15) Acetone	1.839	43	9337	0.651	ppbv	99
16) 1,3-Butadiene	1.609	39	2974	0.470	ppbv	87
17) tert-Butyl alcohol	2.046	59	6364	0.504	ppbv #	83
18) 1,1-Dichloroethene	2.036	96	2295	0.513	ppbv	87
19) Isopropyl Alcohol	1.890	45	3982	0.502	ppbv #	98
20) Methylene Chloride	2.065	84	2895	0.671	ppbv #	74
21) Allyl Chloride	2.098	41	3975	0.431	ppbv #	79
22) trans-1,2-Dichloroethene	2.340	96	2446	0.468	ppbv	88
23) Vinyl Acetate	2.467	43	6975	0.510	ppbv #	83
24) 1,1-Dichloroethane	2.412	63	5985	0.562	ppbv #	92
25) Ethyl Acetate	2.845	43	8259	0.360	ppbv #	88
26) Hexane	2.832	57	4385	0.438	ppbv	93
27) Carbon Disulfide	2.153	76	6291	0.539	ppbv #	31
28) Methyl tert-Butyl Ether	2.447	73	3364	0.560	ppbv	91
29) Chloroform	2.852	83	9876	0.527	ppbv #	80
30) Cyclohexane	3.865	84	3181m	0.380	ppbv	
31) cis-1,2-Dichloroethene	2.725	61	4665	0.400	ppbv	96
32) 1,1,1-Trichloroethane	3.376	97	8352	0.411	ppbv #	83
34) 2-Butanone	2.564	43	7876	0.535	ppbv	97
35) Carbon Tetrachloride	3.774	117	9391	0.508	ppbv #	75
36) Benzene	3.664	78	10033	0.522	ppbv #	91
37) 1,2-Dichloroethane	3.227	62	7639	0.516	ppbv	97
38) Trichloroethene	4.557	130	3874m	0.529	ppbv	
39) 1,2-Dichloropropane	4.321	63	3514m	0.488	ppbv	
40) 1,4-Dioxane	4.612	88	1588m	0.471	ppbv	
41) Tetrahydrofuran	3.069	42	2989m	0.427	ppbv	
42) Bromodichloromethane	4.499	83	9663m	0.534	ppbv	
43) Methyl Methacrylate	4.897	69	2456m	0.342	ppbv	
44) 2,2,4-Trimethylpentane	4.651	57	14145m	0.454	ppbv	
45) t-1,3-Dichloropropene	6.418	75	3732m	0.397	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 01:32:37 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

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	5.609	75	4415m	0.395	ppbv	
47) 1,1,2-Trichloroethane	6.593	97	4308m	0.546	ppbv	
48) Dibromochloromethane	7.393	129	5963m	0.448	ppbv	
49) Bromoform	9.487	173	5171m	0.463	ppbv	
50) 4-Methyl-2-Pentanone	5.771	43	7074m	0.380	ppbv	
51) 2-Hexanone	7.451	43	5196m	0.349	ppbv	
52) Tetrachloroethene	8.234	164	3220m	0.440	ppbv	
53) Toluene	6.943	91	7834m	0.385	ppbv	
54) 1,2-Dibromoethane	7.658	107	5762m	0.478	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.933	131	6075	0.603	ppbv	96
57) Chlorobenzene	8.927	112	7974	0.465	ppbv #	86
58) Ethyl Benzene	9.367	91	10193	0.357	ppbv #	88
59) m/p-Xylene	9.552	91	16285m	0.681	ppbv	
60) o-Xylene	9.969	91	7134	0.298	ppbv	89
61) Styrene	9.878	104	2560m	0.287	ppbv	
62) Isopropylbenzene	10.548	105	12919	0.374	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.969	83	9078	0.550	ppbv	95
64) n-propylbenzene	10.992	120	2868	0.340	ppbv	88
65) tert-Butylbenzene	11.536	119	10170	0.330	ppbv	94
66) Benzyl Chloride	11.620	91	1560	0.438	ppbv #	86
67) sec-Butylbenzene	11.775	105	15097	0.345	ppbv	97
69) p-Isopropyltoluene	11.930	119	11304	0.306	ppbv #	90
70) n-Butylbenzene	12.283	91	10886m	0.285	ppbv	
71) 2-Chlorotoluene	10.904	91	10430	0.385	ppbv	99
72) 4-Ethyltoluene	11.131	105	9734	0.345	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.215	105	8555	0.345	ppbv #	82
74) 1,2,4-Trimethylbenzene	11.542	105	10098	0.336	ppbv #	91
75) 1,3-Dichlorobenzene	11.613	146	7790	0.466	ppbv	97
76) 1,4-Dichlorobenzene	11.678	146	7027	0.444	ppbv	91
77) 1,2-Dichlorobenzene	11.956	146	7716	0.472	ppbv	90
78) Hexachloro-1,3-Butadiene	13.885	225	8321	0.509	ppbv	97
79) Naphthalene	13.520	128	6566	0.260	ppbv #	92
80) Naphthalene,2-methyl-	14.458	142	1672	0.089	ppbv	96
81) 1,2,4-Trichlorobenzene	13.445	180	3304	0.245	ppbv #	80

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

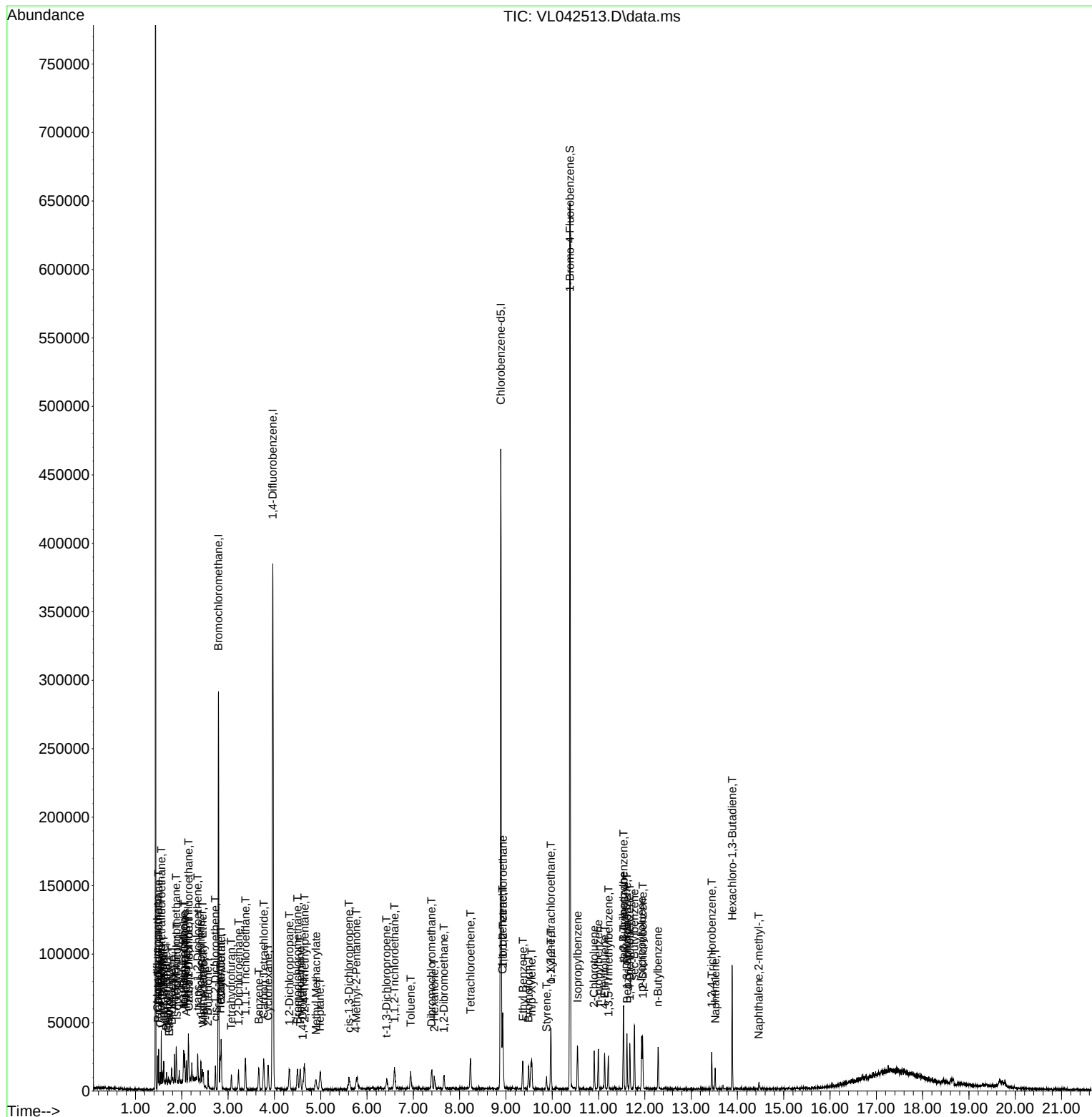
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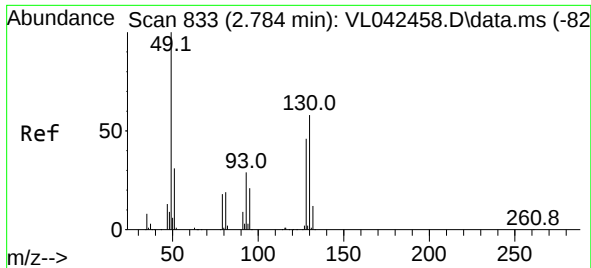
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

Manual Integrations
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Supervised By :Mahesh Dadoda 05/09/2025

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QLast Update : Fri May 02 03:16:31 2025
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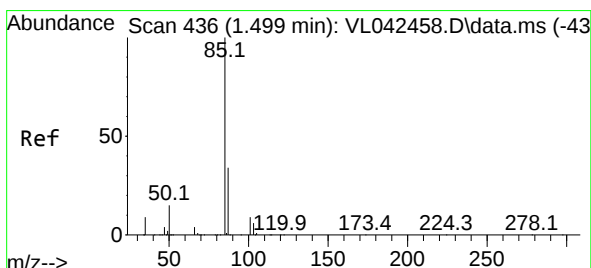
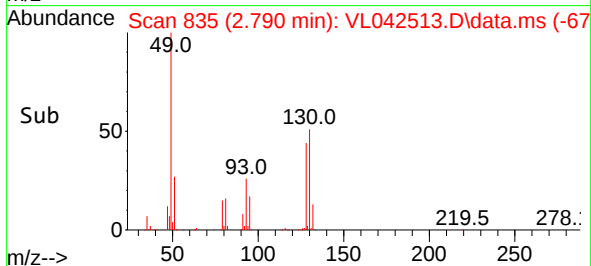
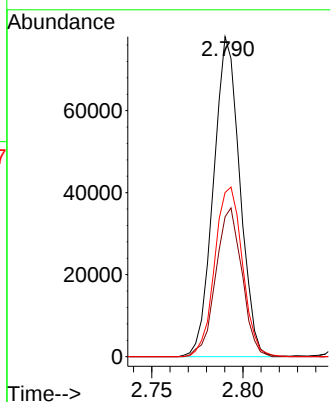
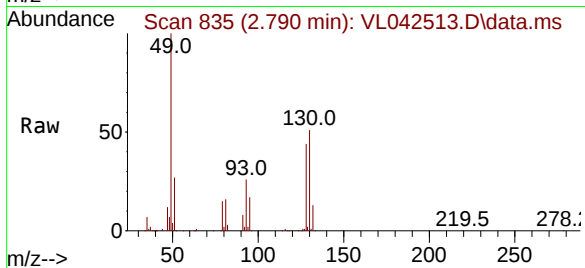
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.006 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

Tgt Ion: 49 Resp: 7857
Ion Ratio Lower Upper
49 100
128 46.1 23.3 69.9
130 55.8 29.5 88.6

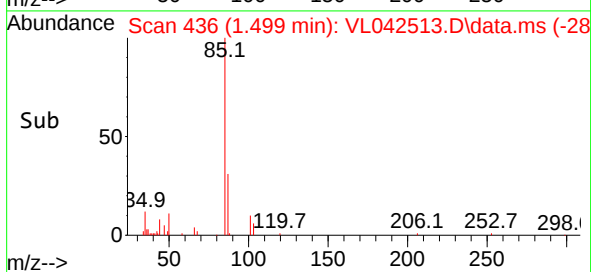
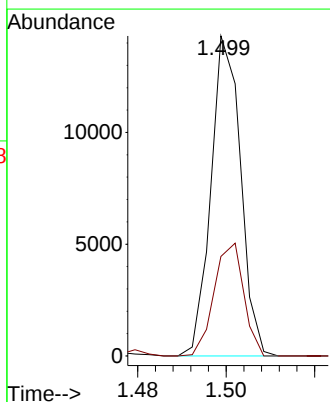
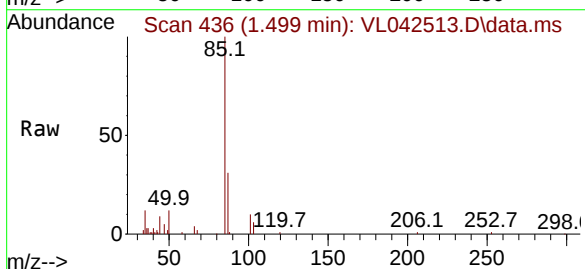
Manual Integrations
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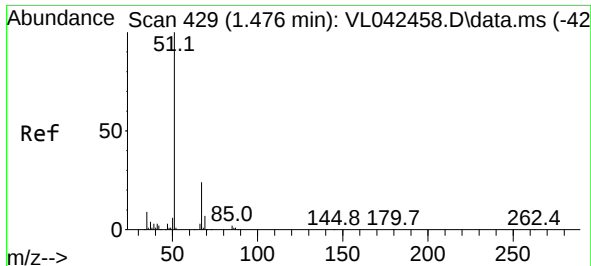
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#2
Dichlorodifluoromethane
Concen: 0.514 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 85 Resp: 6681
Ion Ratio Lower Upper
85 100
87 31.1 26.9 40.3





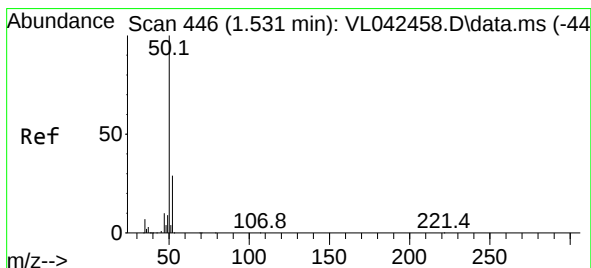
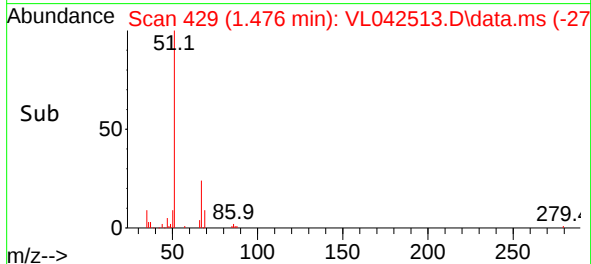
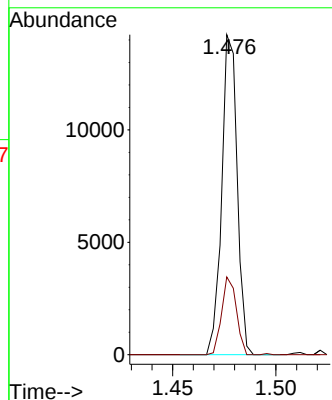
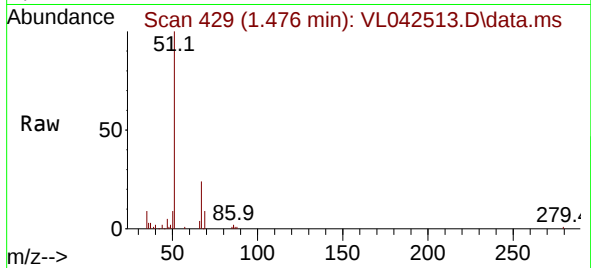
#3
Chlorodifluoromethane
Concen: 0.540 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

Tgt Ion: 51 Resp: 7420
Ion Ratio Lower Upper
51 100
67 23.2 18.4 27.6

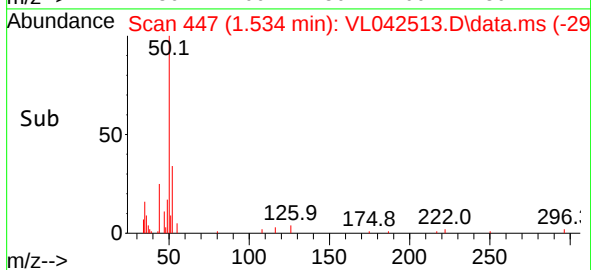
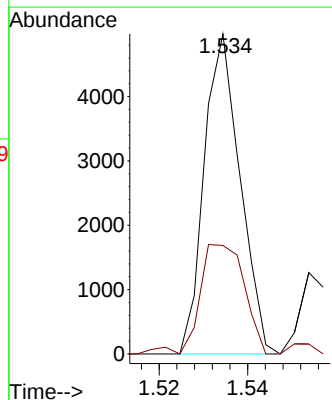
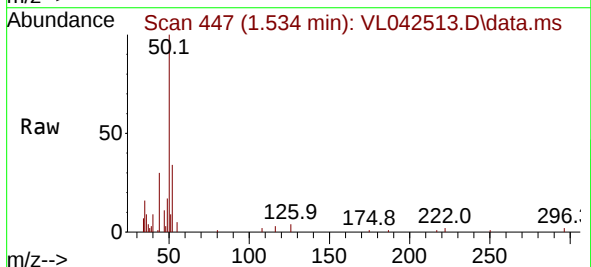
Manual Integrations
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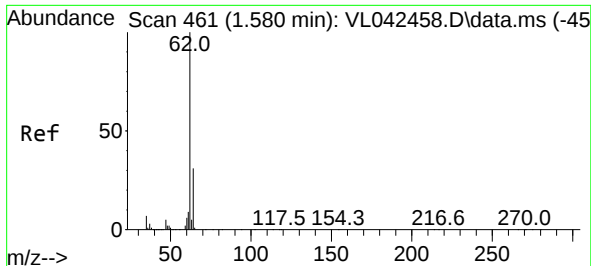
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#4
Chloromethane
Concen: 0.516 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

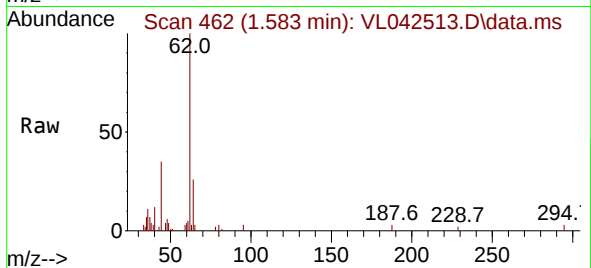
Tgt Ion: 50 Resp: 2803
Ion Ratio Lower Upper
50 100
52 33.9 23.5 35.3





#5
 Vinyl Chloride
 Concen: 0.516 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

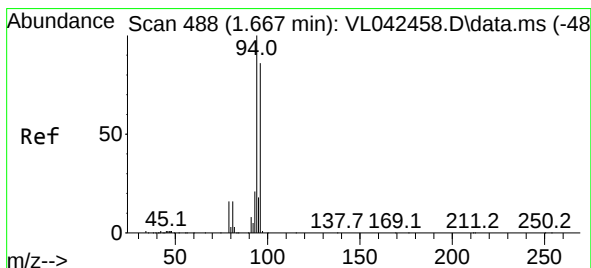
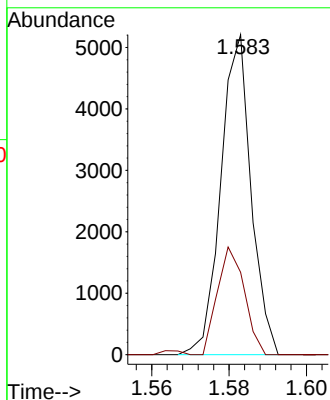
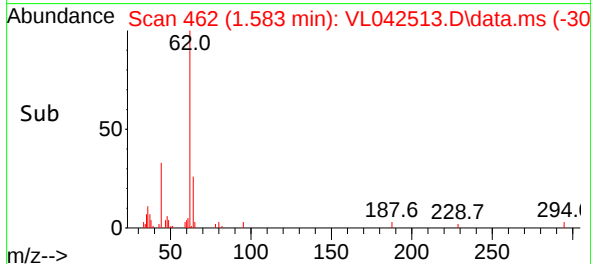
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45



Tgt Ion: 62 Resp: 282
 Ion Ratio Lower Upper
 62 100
 64 25.8 24.9 37.3

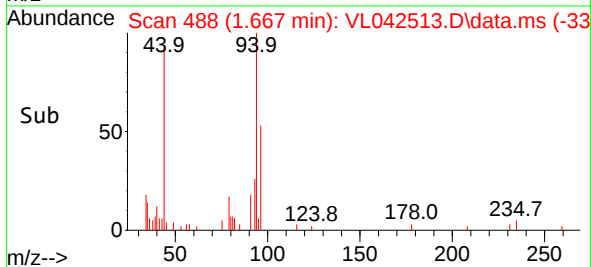
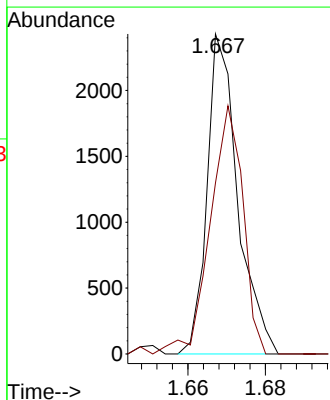
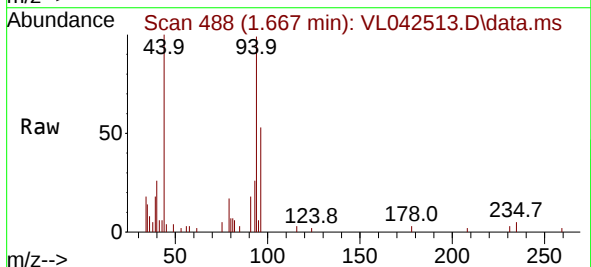
Manual Integrations
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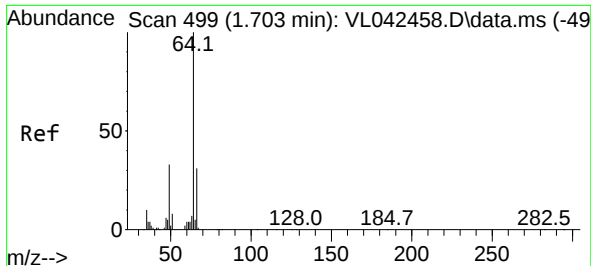
Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025



#6
 Bromomethane
 Concen: 0.516 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

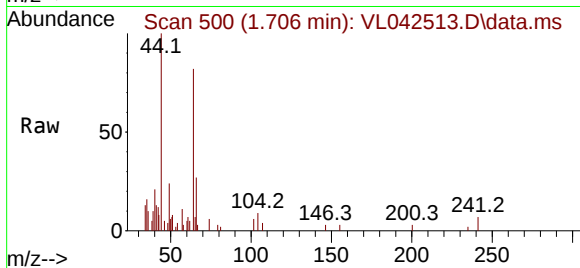
Tgt Ion: 94 Resp: 1333
 Ion Ratio Lower Upper
 94 100
 96 53.4 68.8 103.2#





#7
Chloroethane
Concen: 0.555 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

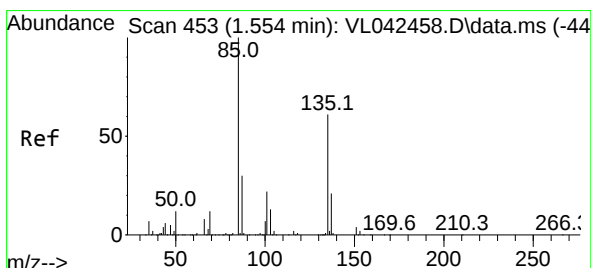
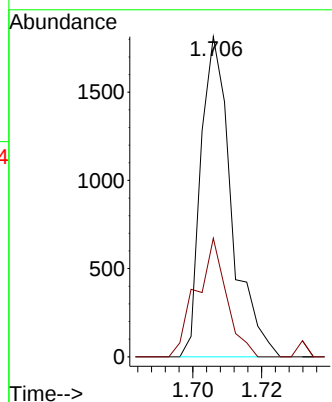
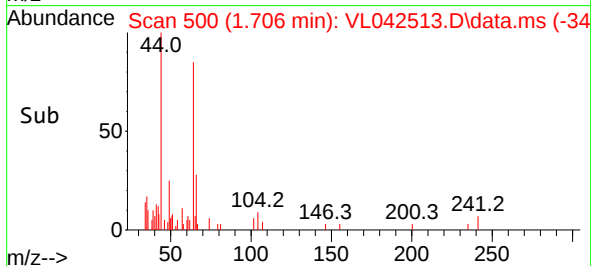
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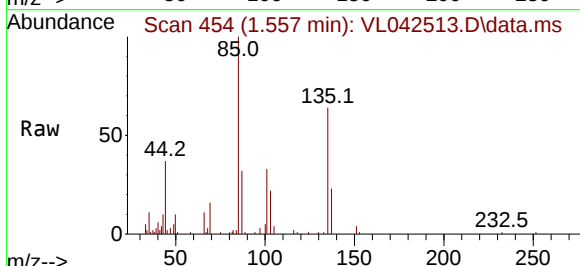
Tgt Ion: 64 Resp: 112
Ion Ratio Lower Upper
64 100
66 37.0 25.0 37.4

Manual Integrations
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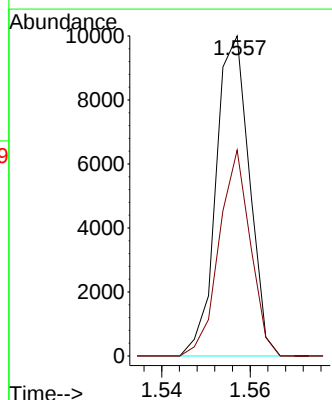
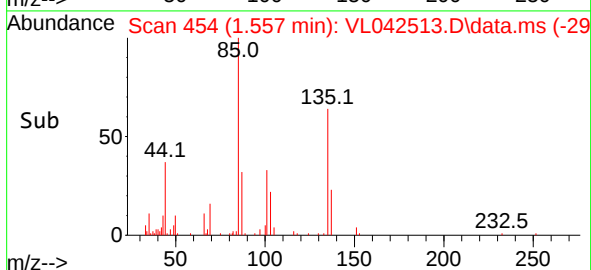
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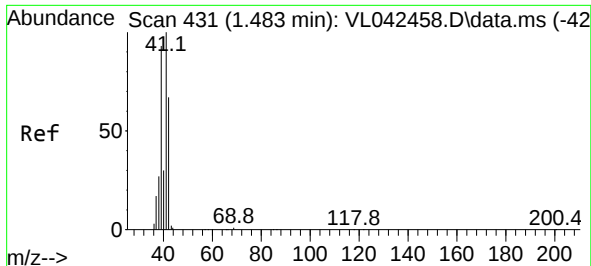


#8
Dichlorotetrafluoroethane
Concen: 0.488 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09



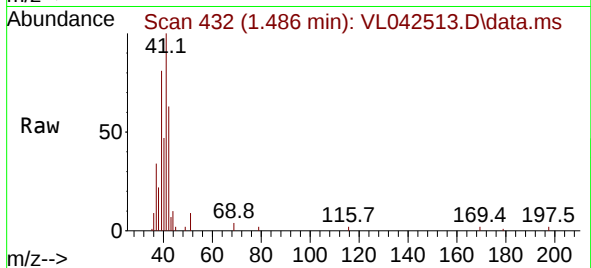
Tgt Ion: 85 Resp: 5226
Ion Ratio Lower Upper
85 100
135 60.5 49.8 74.8





#9
Propene
Concen: 0.518 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

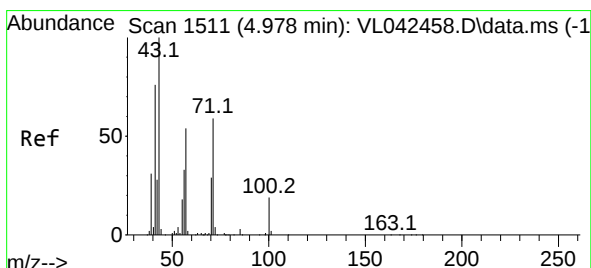
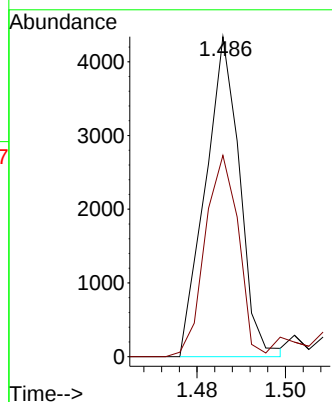
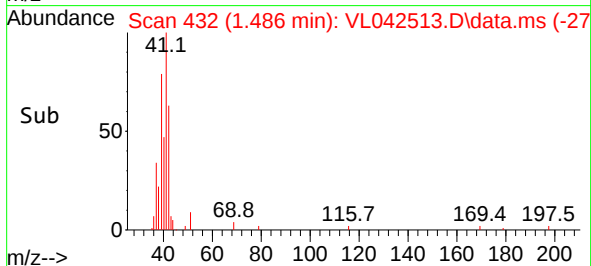
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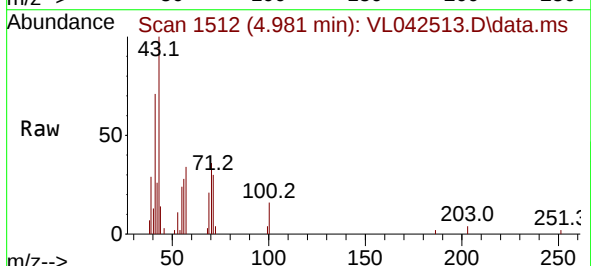
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Ion Ratio Lower Upper
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Manual Integrations
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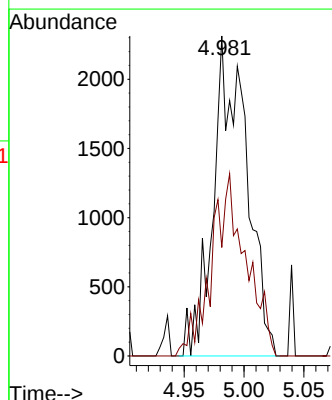
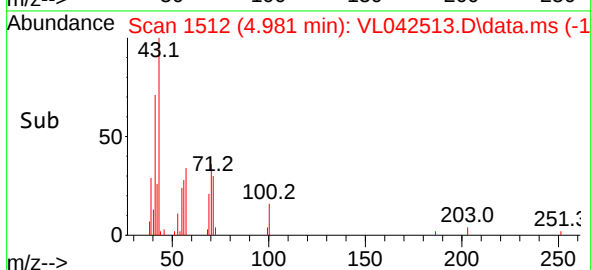
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

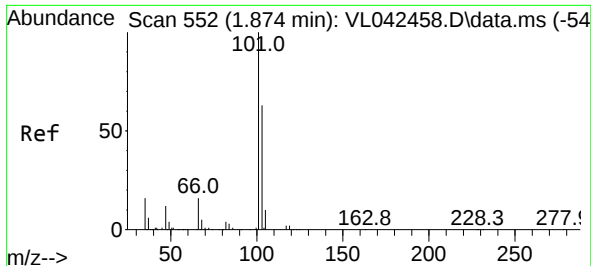


#10
Heptane
Concen: 0.383 ppbv m
RT: 4.981 min Scan# 1512
Delta R.T. 0.003 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09



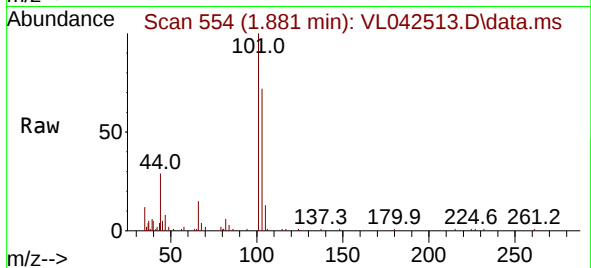
Tgt Ion: 43 Resp: 4471
Ion Ratio Lower Upper
43 100
57 58.8 41.8 62.8





#11
Trichlorofluoromethane
Concen: 0.562 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

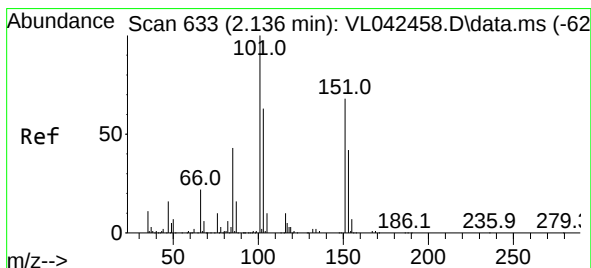
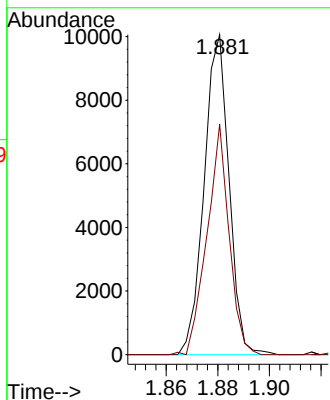
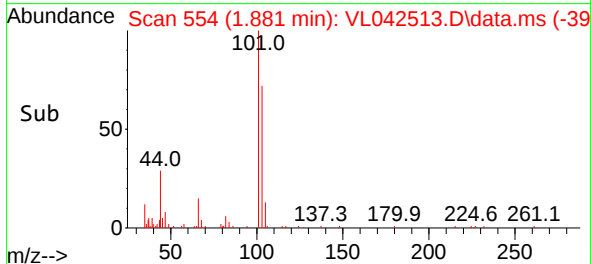
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



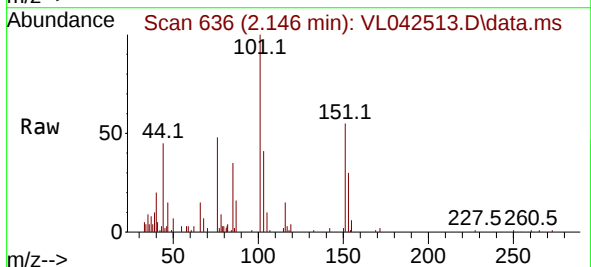
Tgt Ion:101 Resp: 6742
Ion Ratio Lower Upper
101 100
103 72.1 50.6 76.0

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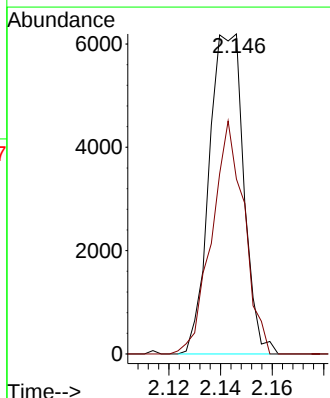
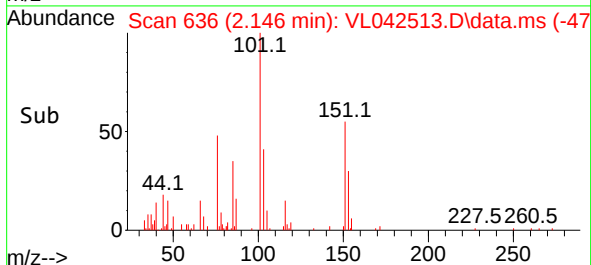
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

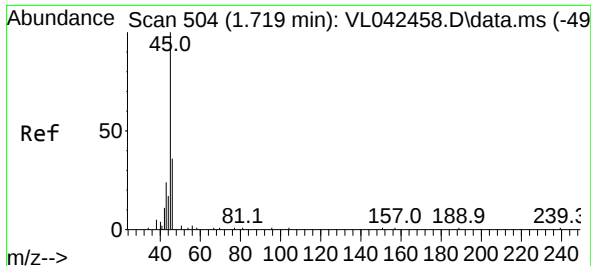


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.601 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.010 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09



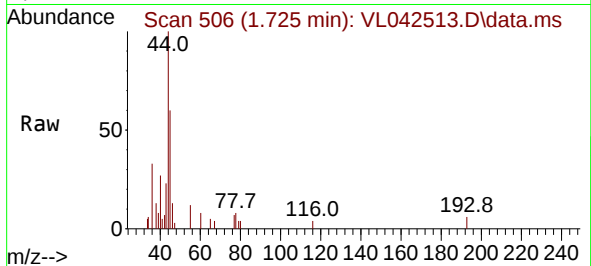
Tgt Ion:101 Resp: 5753
Ion Ratio Lower Upper
101 100
151 68.3 54.6 82.0





#13
Ethanol
Concen: 0.825 ppbv m
RT: 1.725 min Scan# 504
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

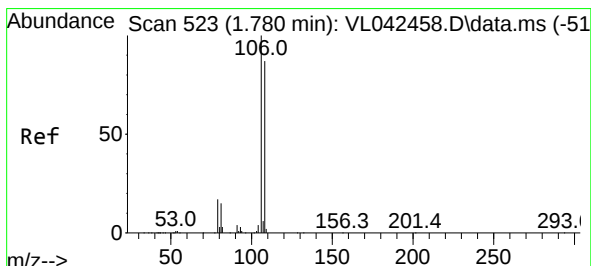
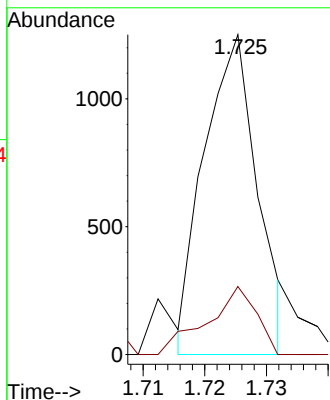
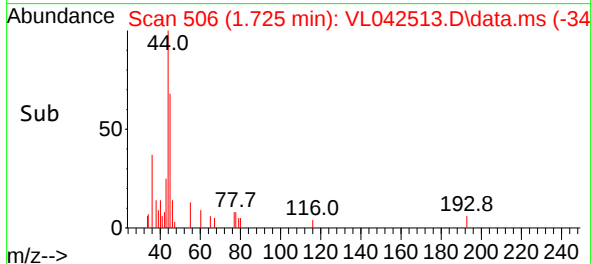
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



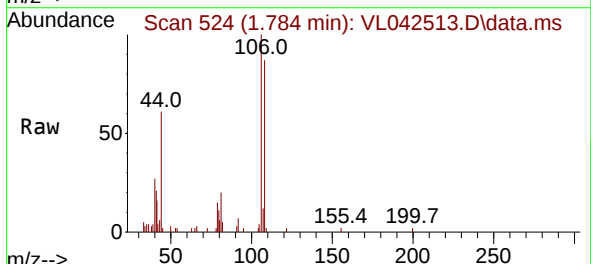
Tgt Ion: 45 Resp: 75
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1

Manual Integrations
APPROVED

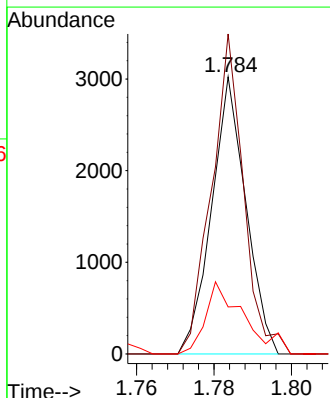
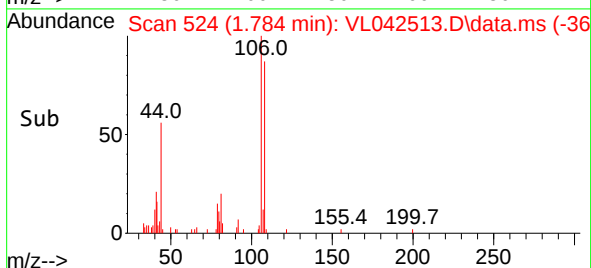
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

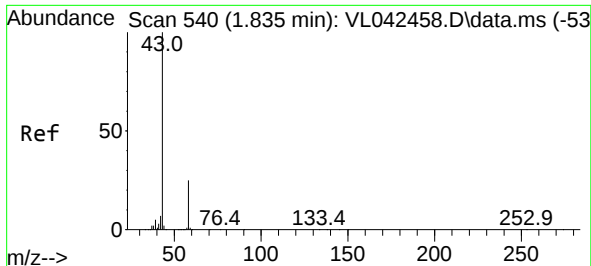


#14
Bromoethene
Concen: 0.526 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09



Tgt Ion:108 Resp: 1860
Ion Ratio Lower Upper
108 100
106 115.8 88.8 133.2
79 29.8 17.1 25.7





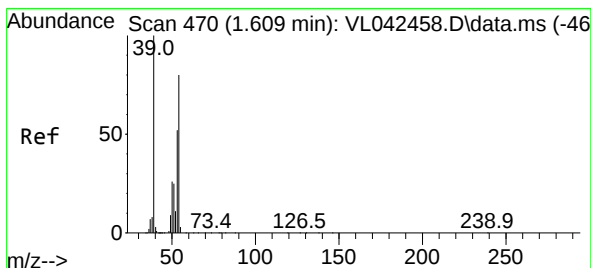
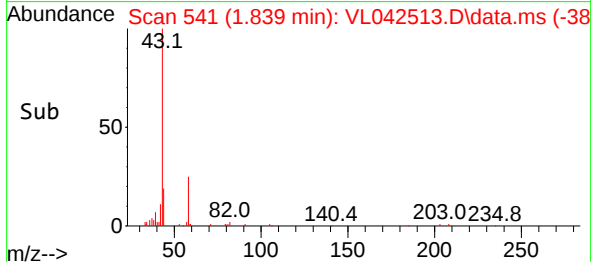
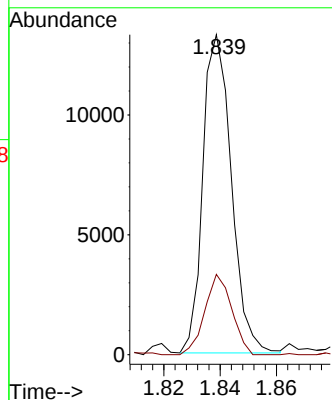
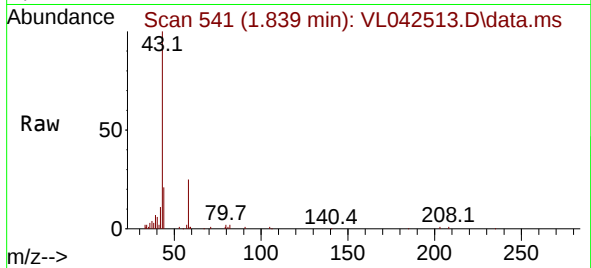
#15
Acetone
Concen: 0.651 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

Tgt Ion: 43 Resp: 933
Ion Ratio Lower Upper
43 100
58 24.5 19.8 29.8

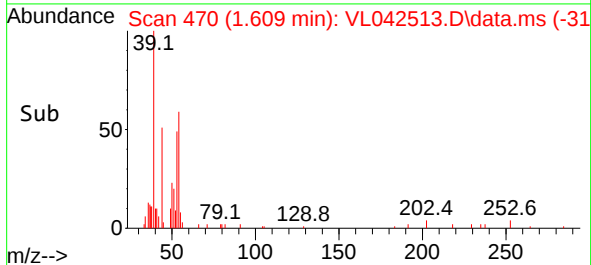
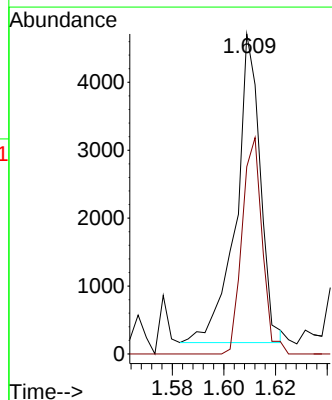
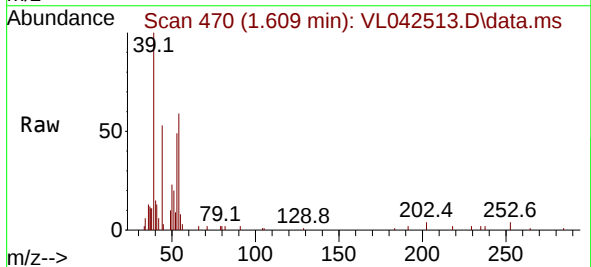
Manual Integrations
APPROVED

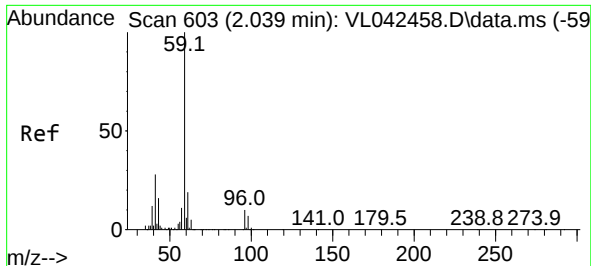
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#16
1,3-Butadiene
Concen: 0.470 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 39 Resp: 2974
Ion Ratio Lower Upper
39 100
54 58.4 55.2 82.8





#17

tert-Butyl alcohol

Concen: 0.504 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.45

Tgt Ion: 59 Resp: 6364

Ion Ratio Lower Upper

59 100

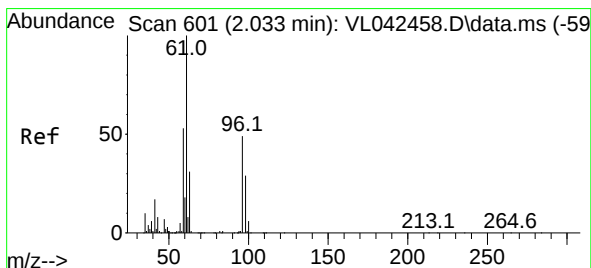
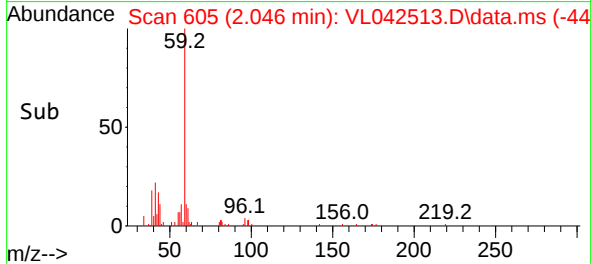
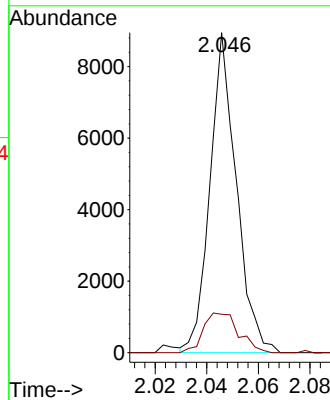
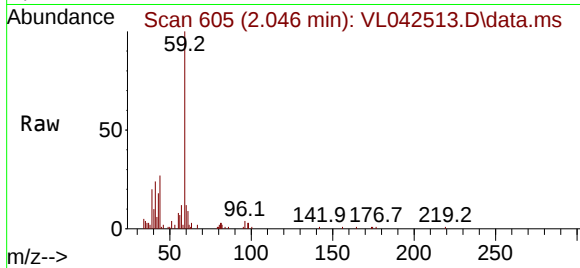
57 16.8 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025

Supervised By :Mahesh Dadoda 05/09/2025



#18

1,1-Dichloroethene

Concen: 0.513 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

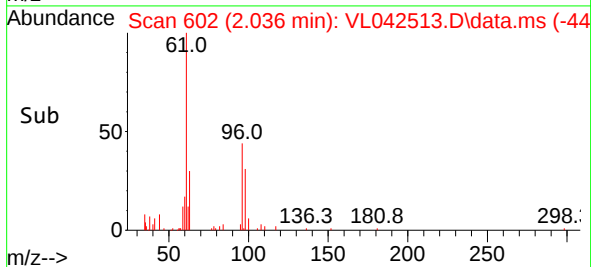
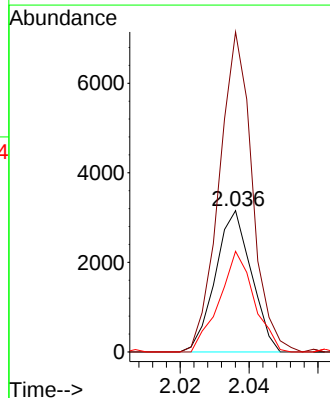
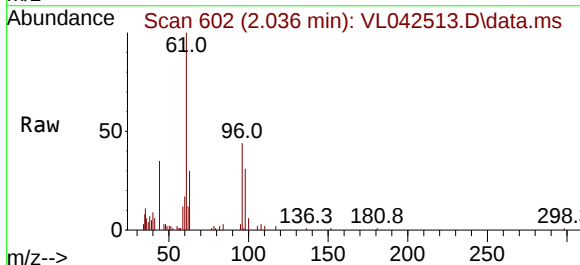
Tgt Ion: 96 Resp: 2295

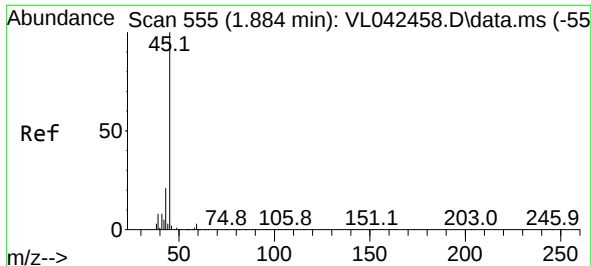
Ion Ratio Lower Upper

96 100

61 226.4 164.9 247.3

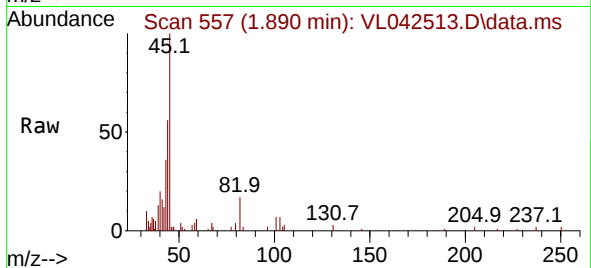
98 71.2 48.2 72.2





#19
Isopropyl Alcohol
Concen: 0.502 ppbv
RT: 1.890 min Scan# 511
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

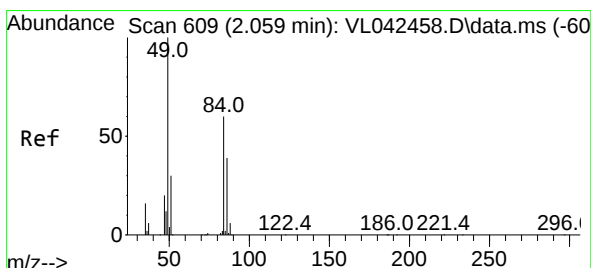
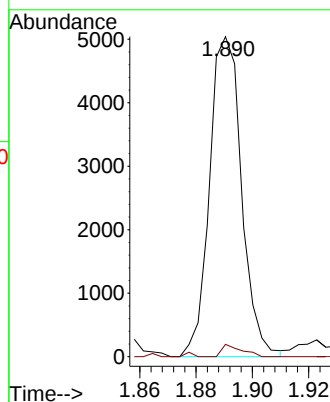
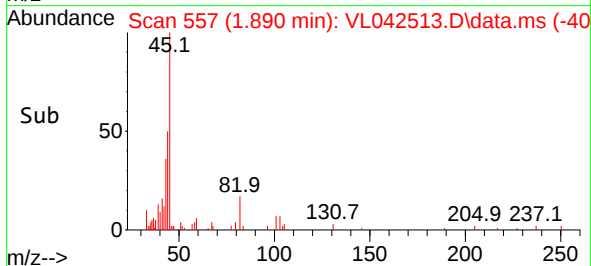
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



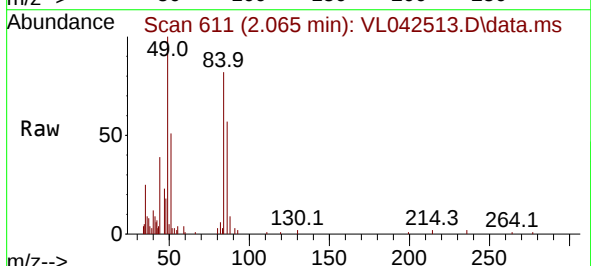
Tgt Ion: 45 Resp: 3982
Ion Ratio Lower Upper
45 100
58 2.7 1.6 2.4

Manual Integrations
APPROVED

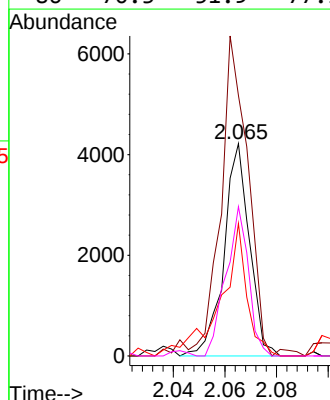
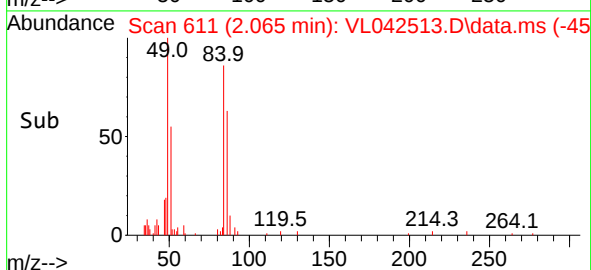
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

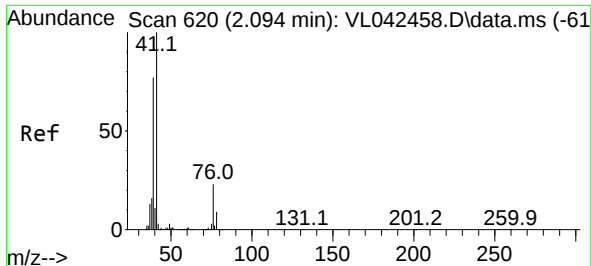


#20
Methylene Chloride
Concen: 0.671 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09



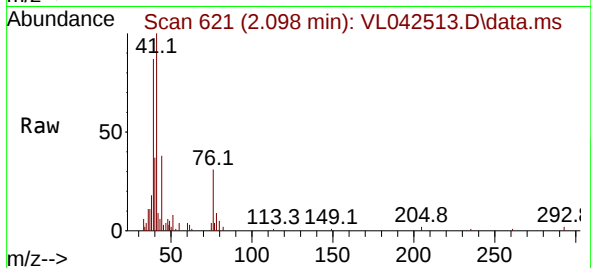
Tgt Ion: 84 Resp: 2895
Ion Ratio Lower Upper
84 100
49 119.6 133.9 200.9#
51 65.4 41.0 61.6#
86 70.3 51.9 77.9





#21
 Allyl Chloride
 Concen: 0.431 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45

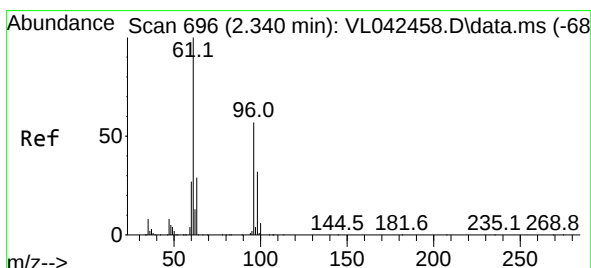
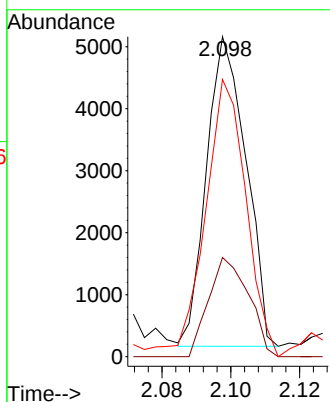
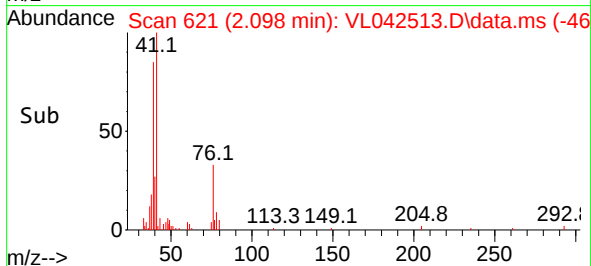


Tgt Ion: 41 Resp: 397

Ion	Ratio	Lower	Upper
41	100		
76	32.4	19.6	29.4
39	95.4	61.0	91.4

Manual Integrations
 APPROVED

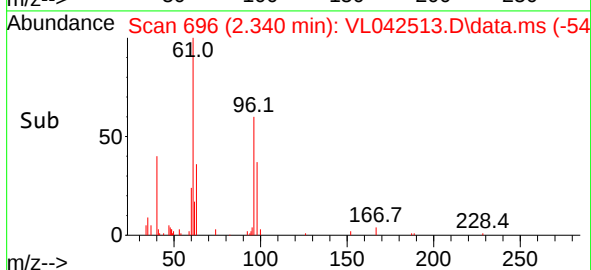
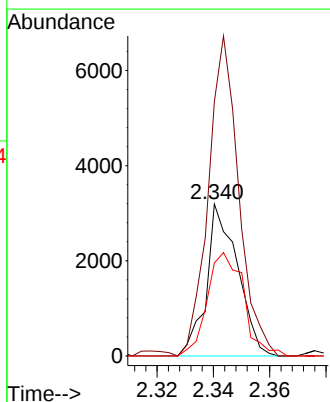
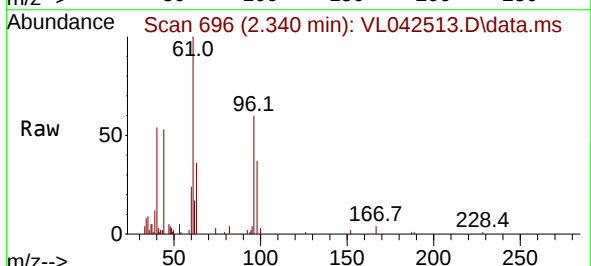
Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025

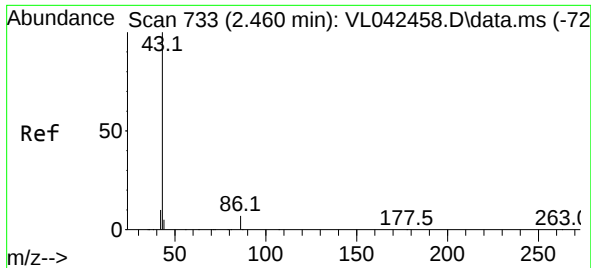


#22
 trans-1,2-Dichloroethene
 Concen: 0.468 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

Tgt Ion: 96 Resp: 2446

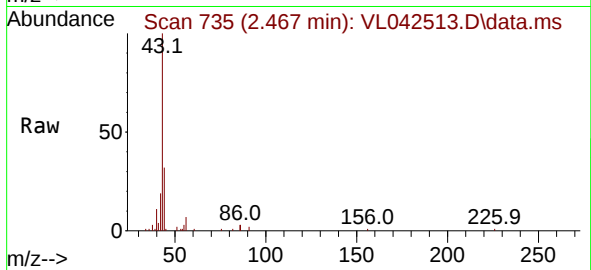
Ion	Ratio	Lower	Upper
96	100		
61	196.0	141.8	212.6
98	61.1	45.0	67.6





#23
 Vinyl Acetate
 Concen: 0.510 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.007 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

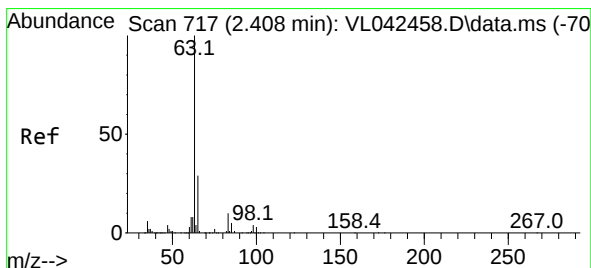
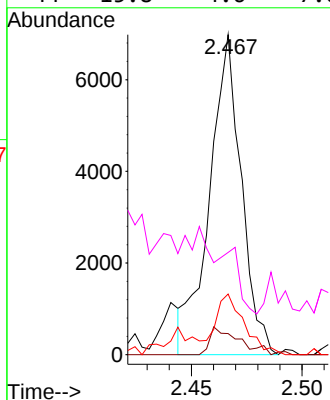
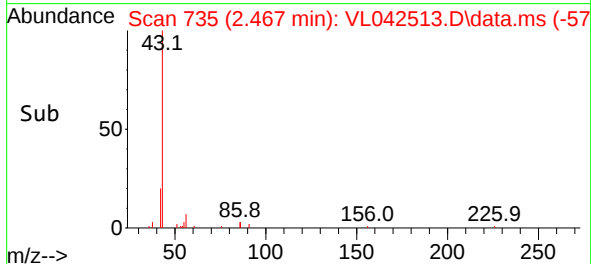
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45



Tgt Ion: 43 Resp: 6979
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.5 8.3
 42 18.0 8.3 12.5
 44 15.8 4.6 7.0#

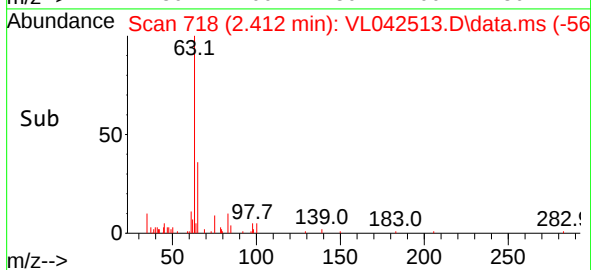
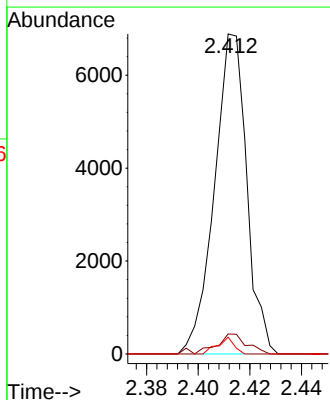
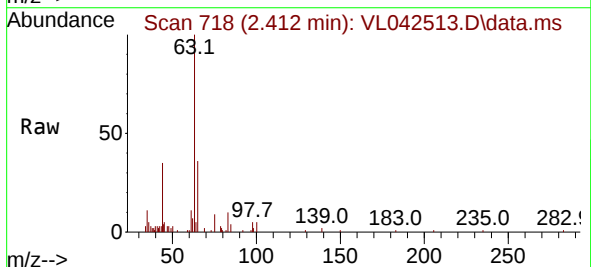
Manual Integrations
 APPROVED

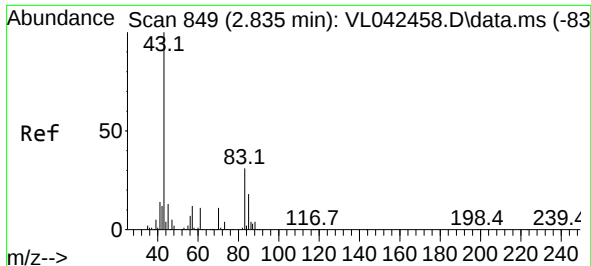
Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025



#24
 1,1-Dichloroethane
 Concen: 0.562 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

Tgt Ion: 63 Resp: 5985
 Ion Ratio Lower Upper
 63 100
 98 6.2 1.8 5.5#
 100 5.2 1.4 4.2#





#25

Ethyl Acetate

Concen: 0.360 ppbv

RT: 2.845 min Scan# 825

Delta R.T. 0.010 min

Lab File: VL042513.D

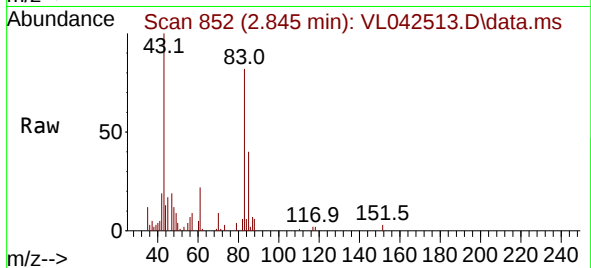
Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.45



Tgt Ion: 43 Resp: 825

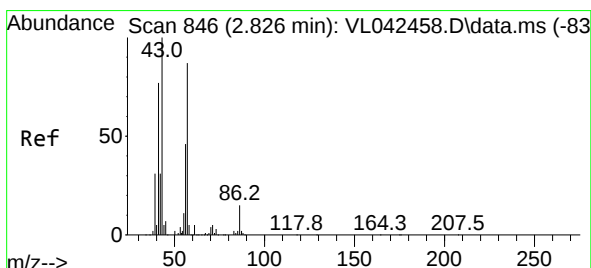
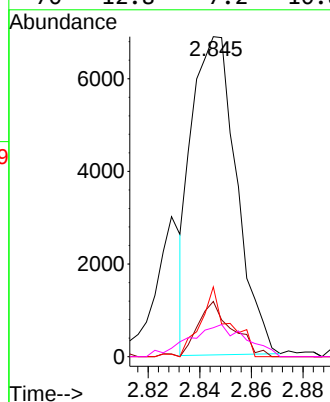
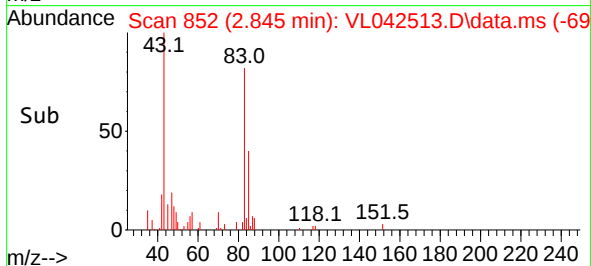
Ion	Ratio	Lower	Upper
43	100		
45	13.8	7.8	11.6
61	14.1	7.2	10.8
70	12.8	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025

Supervised By :Mahesh Dadoda 05/09/2025



#26

Hexane

Concen: 0.438 ppbv

RT: 2.832 min Scan# 848

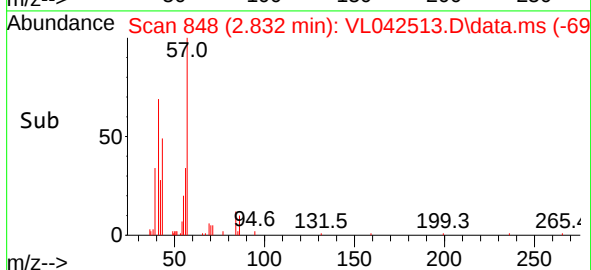
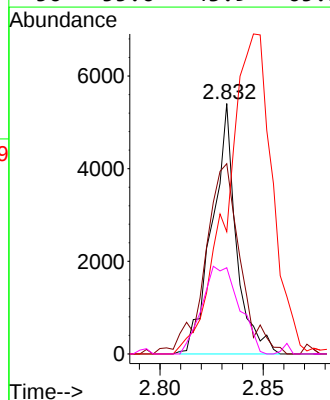
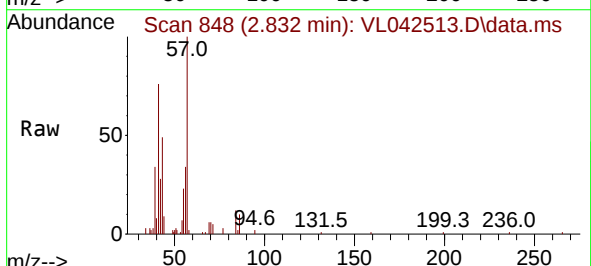
Delta R.T. 0.007 min

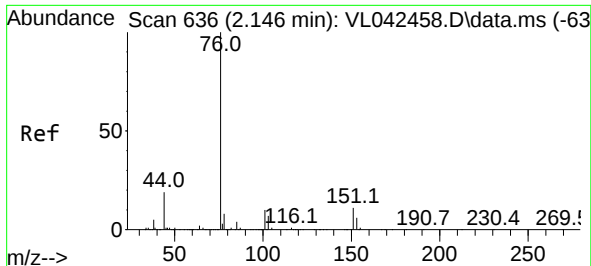
Lab File: VL042513.D

Acq: 07 May 2025 12:09

Tgt Ion: 57 Resp: 4385

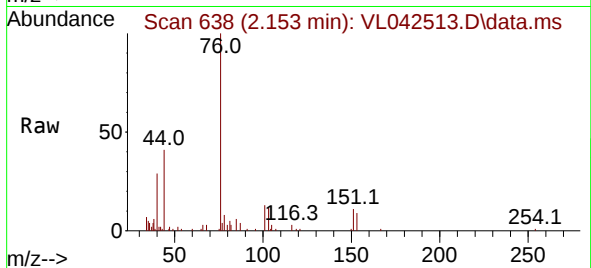
Ion	Ratio	Lower	Upper
57	100		
41	112.1	77.8	116.8
43	243.6	187.0	280.6
56	55.6	43.9	65.9





#27
Carbon Disulfide
Concen: 0.539 ppbv
RT: 2.153 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

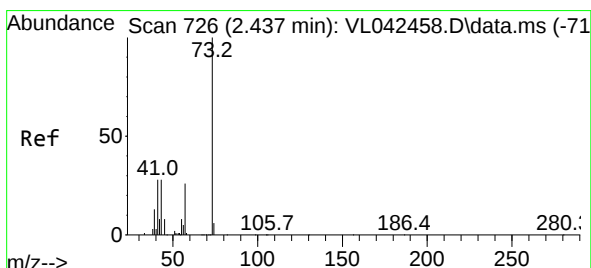
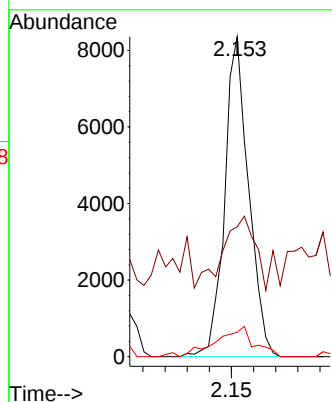
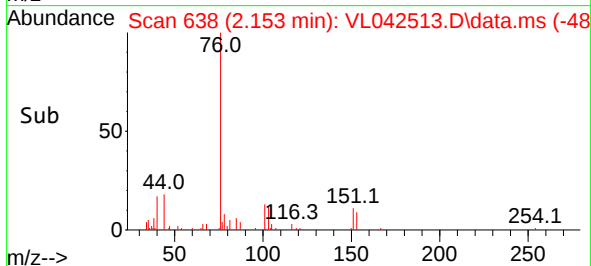
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



Tgt Ion: 76 Resp: 629
Ion Ratio Lower Upper
76 100
44 74.0 21.0 31.6
78 14.5 8.6 13.0

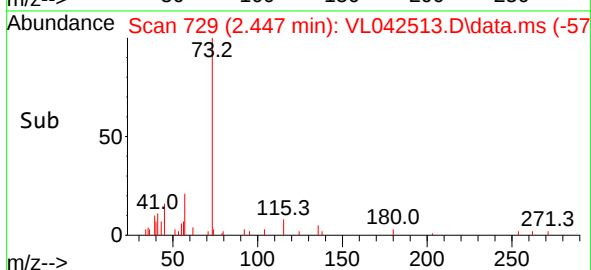
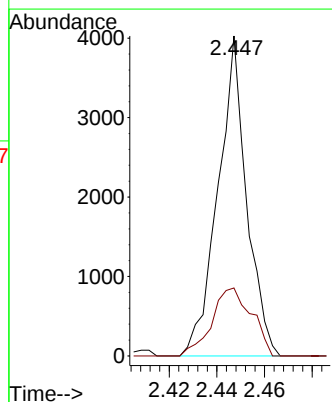
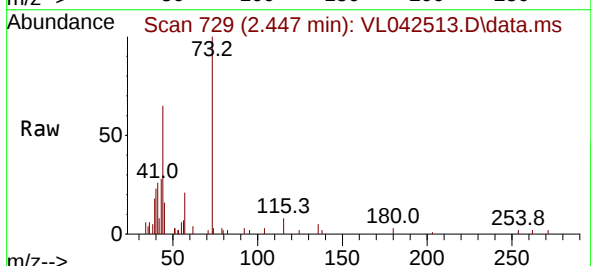
Manual Integrations
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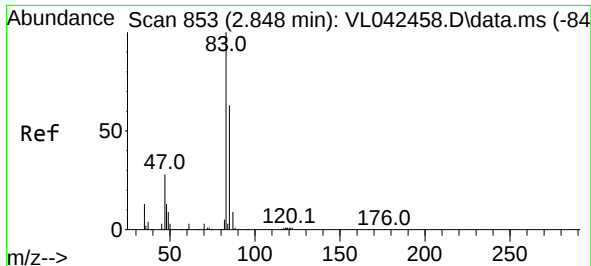
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#28
Methyl tert-Butyl Ether
Concen: 0.560 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.010 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 73 Resp: 3364
Ion Ratio Lower Upper
73 100
57 29.4 19.9 29.9





#29

Chloroform

Concen: 0.527 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.003 min

Lab File: VL042513.D

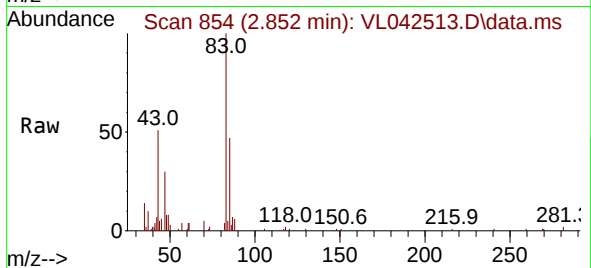
Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.45

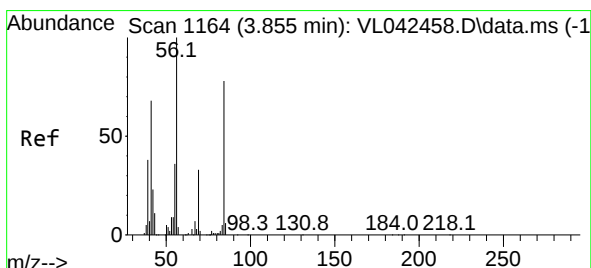
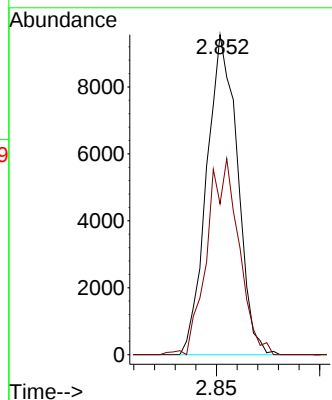
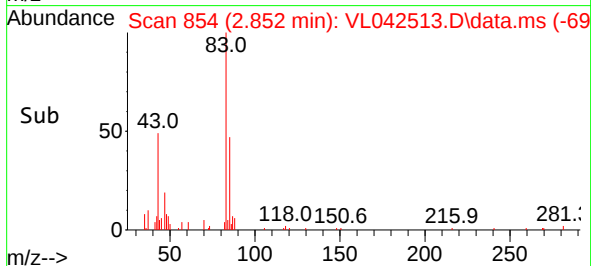


Tgt Ion:	83	Resp:	9870
Ion Ratio	100	Lower	Upper
83	100		
85	47.1	50.4	75.6

Manual Integrations

APPROVED

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



#30

Cyclohexane

Concen: 0.380 ppbv m

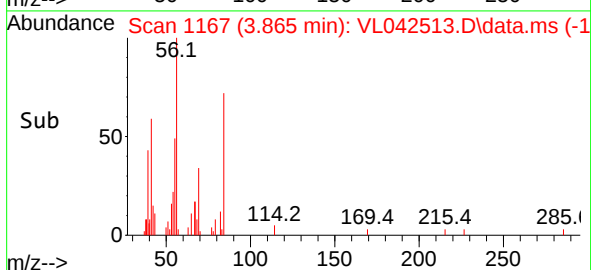
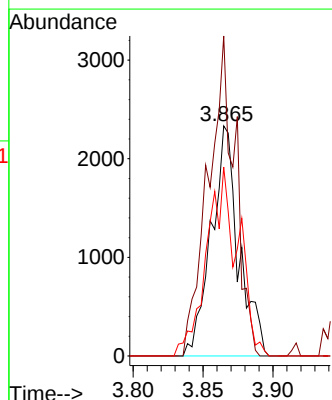
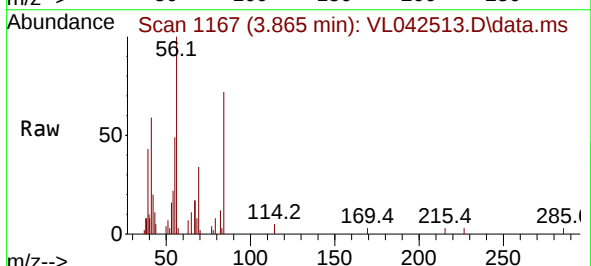
RT: 3.865 min Scan# 1167

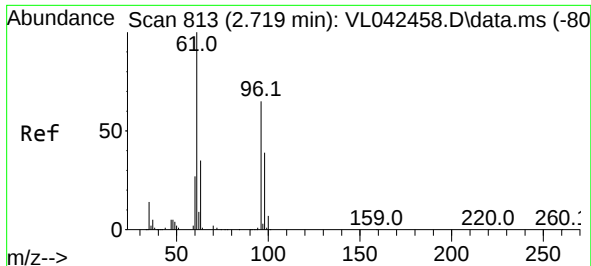
Delta R.T. 0.010 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

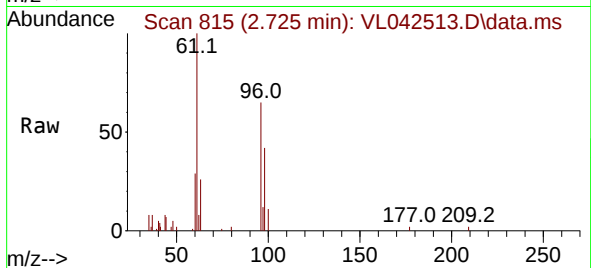
Tgt Ion:	84	Resp:	3181
Ion Ratio	100	Lower	Upper
84	100		
56	137.9	98.1	147.1
41	94.1	65.8	98.8





#31
 cis-1,2-Dichloroethene
 Concen: 0.400 ppbv
 RT: 2.725 min Scan# 813
 Delta R.T. 0.007 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

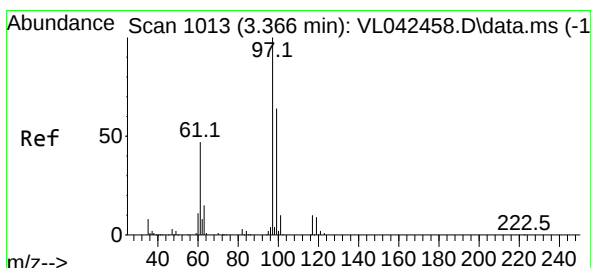
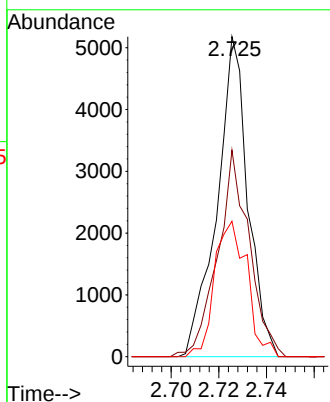
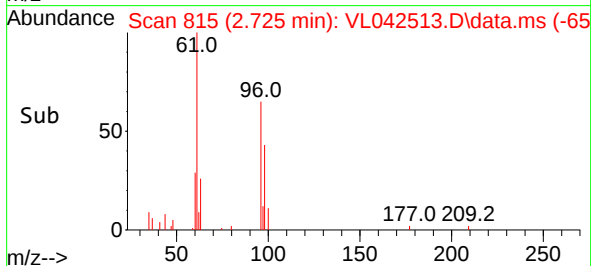
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45



Tgt Ion: 61 Resp: 466
 Ion Ratio Lower Upper
 61 100
 96 63.2 52.0 78.0
 98 42.3 31.0 46.6

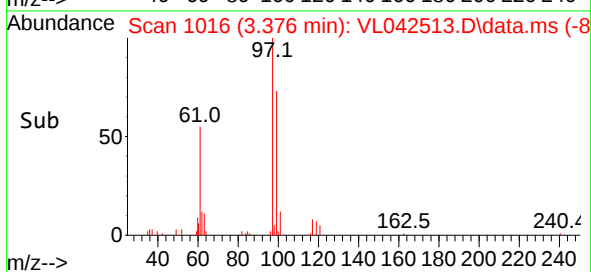
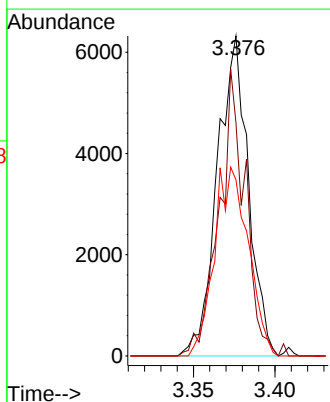
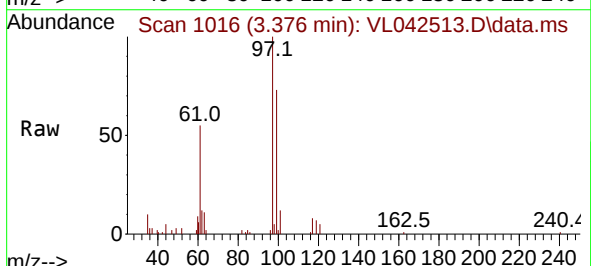
Manual Integrations
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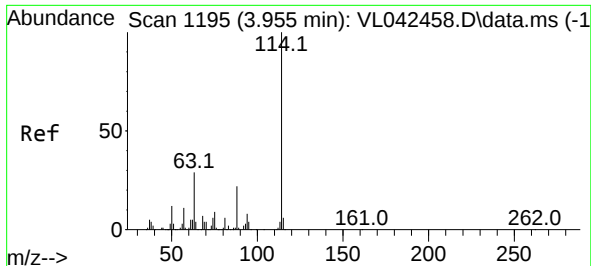
Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.411 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.010 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

Tgt Ion: 97 Resp: 8352
 Ion Ratio Lower Upper
 97 100
 99 75.7 50.7 76.1
 61 64.7 40.9 61.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1195

Delta R.T. 0.010 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

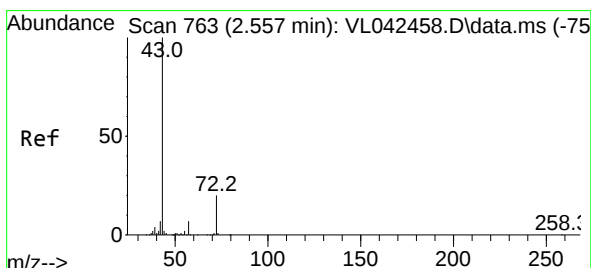
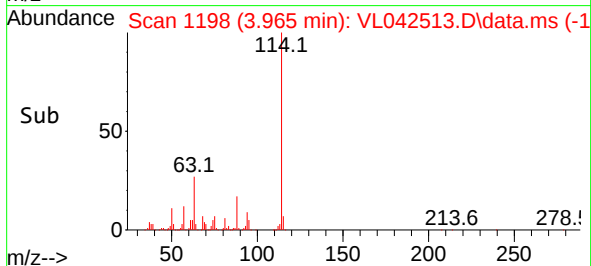
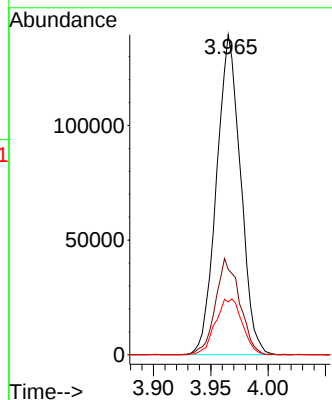
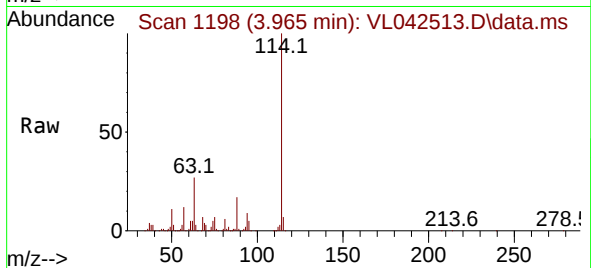
MDL2 0.45

Tgt Ion:	114	Resp:	20363
Ion Ratio	Lower	Upper	
114	100		
63	30.2	23.1	34.7
88	19.5	16.1	24.1

Manual Integrations

APPROVED

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



#34

2-Butanone

Concen: 0.535 ppbv

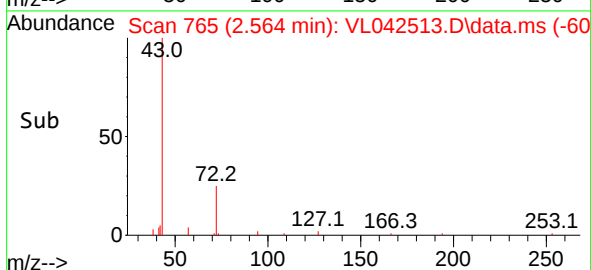
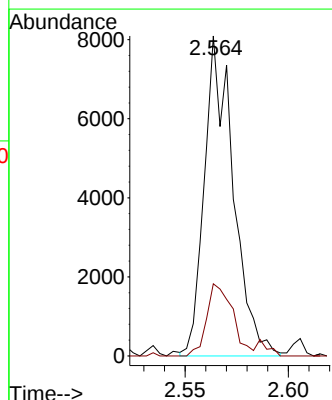
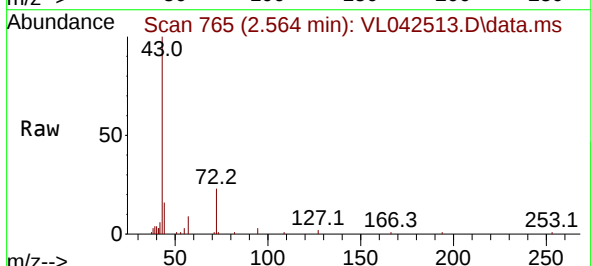
RT: 2.564 min Scan# 765

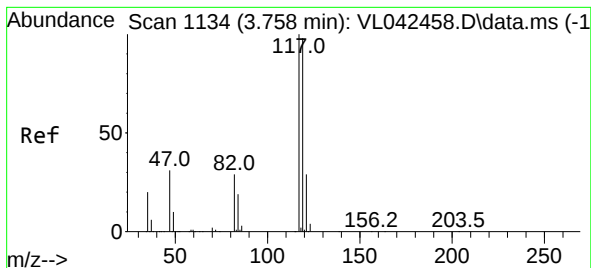
Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Tgt Ion:	43	Resp:	7876
Ion Ratio	Lower	Upper	
43	100		
72	22.1	16.7	25.1





#35

Carbon Tetrachloride

Concen: 0.508 ppbv

RT: 3.774 min Scan# 1134

Delta R.T. 0.016 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.45

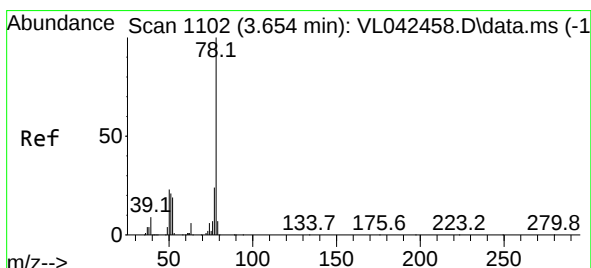
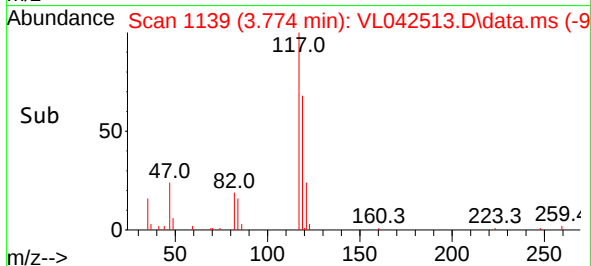
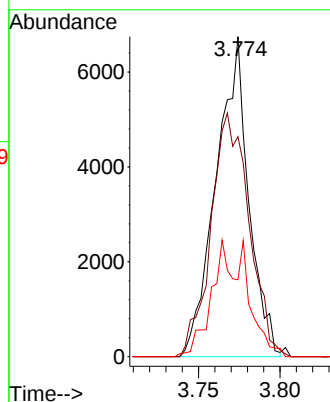
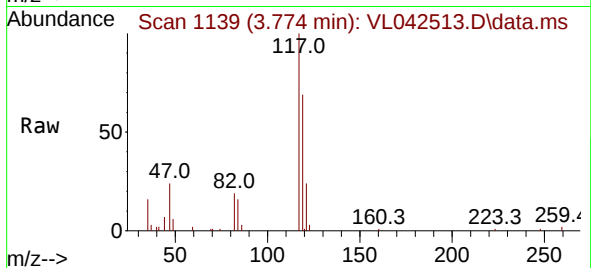
Tgt Ion:	117	Resp:	939
Ion	Ratio	Lower	Upper
117	100		
119	68.7	78.1	117.1
121	23.1	23.0	34.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025

Supervised By :Mahesh Dadoda 05/09/2025



#36

Benzene

Concen: 0.522 ppbv

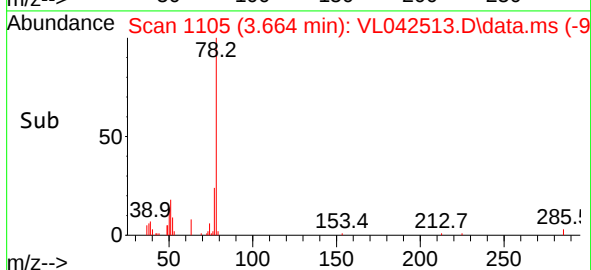
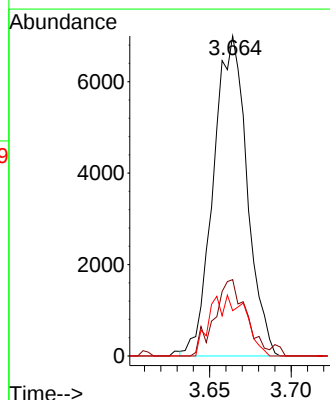
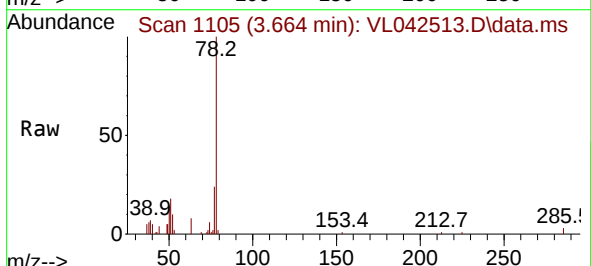
RT: 3.664 min Scan# 1105

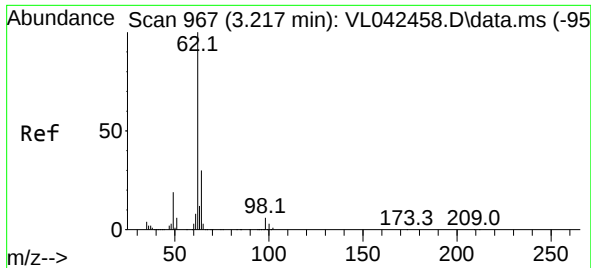
Delta R.T. 0.010 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Tgt Ion:	78	Resp:	10033
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3
50	14.2	18.4	27.6





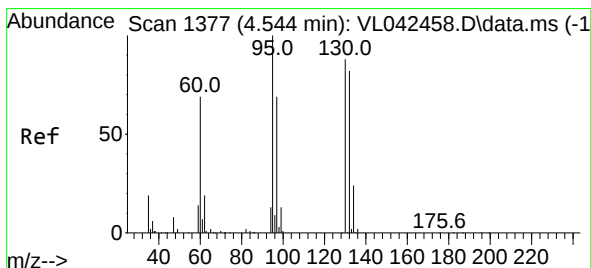
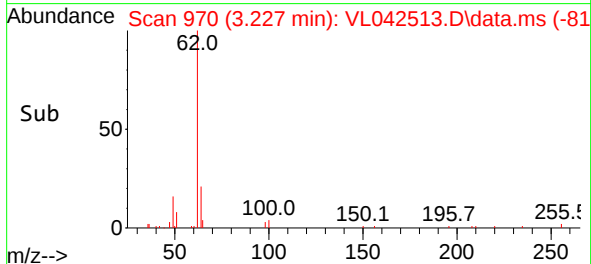
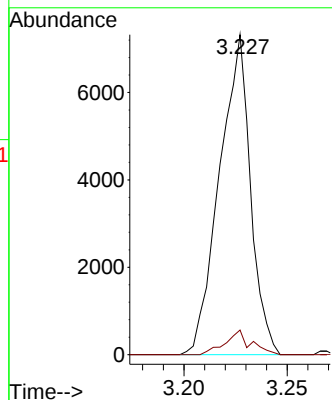
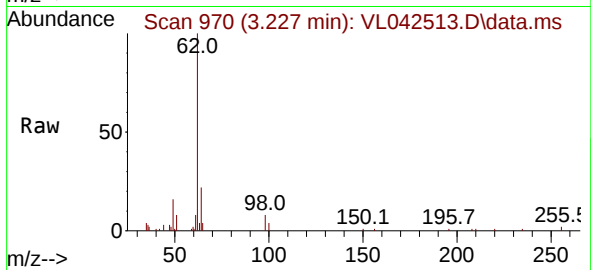
#37
1,2-Dichloroethane
Concen: 0.516 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

Tgt Ion: 62 Resp: 7639
Ion Ratio Lower Upper
62 100
98 6.3 4.3 6.5

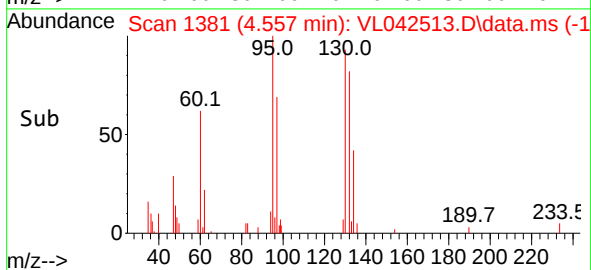
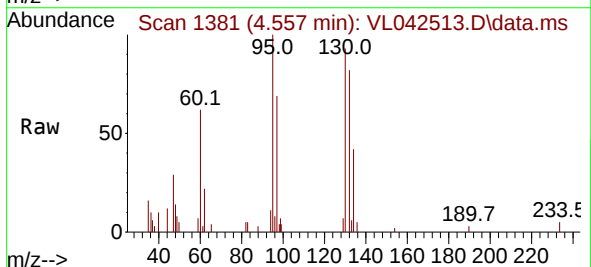
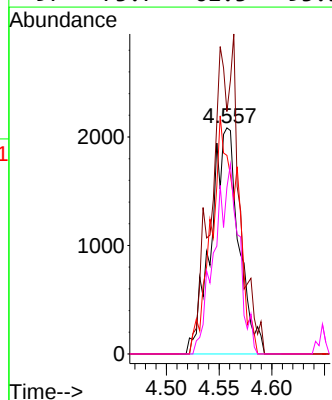
Manual Integrations
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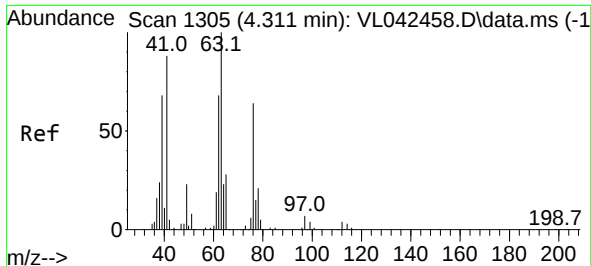
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#38
Trichloroethene
Concen: 0.529 ppbv m
RT: 4.557 min Scan# 1381
Delta R.T. 0.013 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion:130 Resp: 3874
Ion Ratio Lower Upper
130 100
95 107.2 91.0 136.4
132 87.8 74.2 111.4
97 73.7 62.3 93.5





#39

1,2-Dichloropropane

Concen: 0.488 ppbv m

RT: 4.321 min Scan# 1305

Delta R.T. 0.010 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

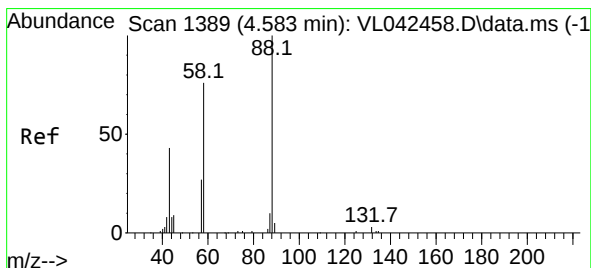
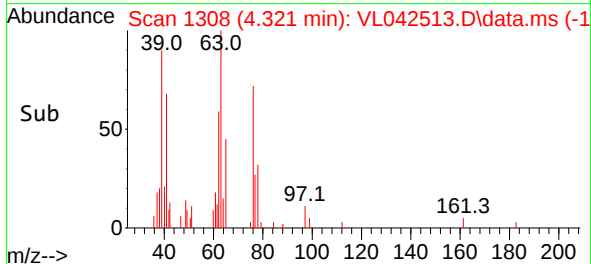
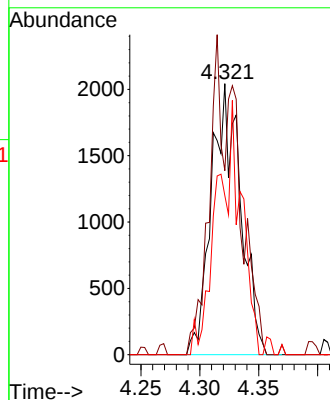
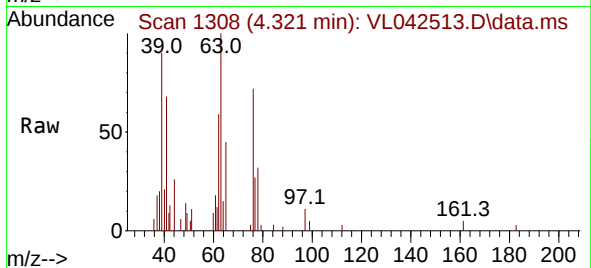
MDL2 0.45

Tgt Ion: 63	Resp: 3514
Ion Ratio	Lower Upper
63	100
41	67.9 69.8 104.6
62	58.7 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: 0.471 ppbv m

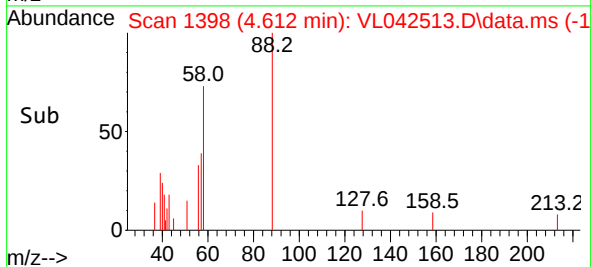
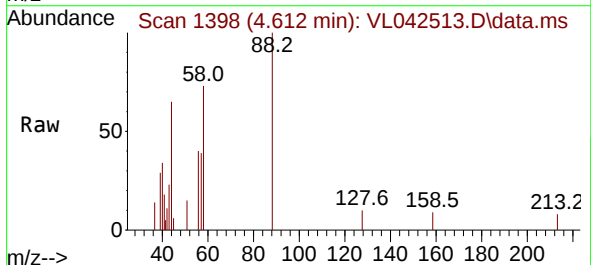
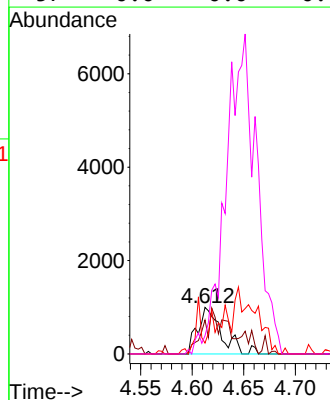
RT: 4.612 min Scan# 1398

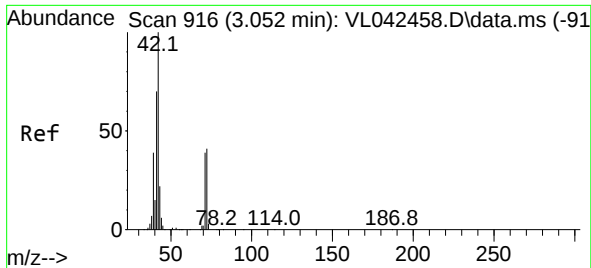
Delta R.T. 0.029 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

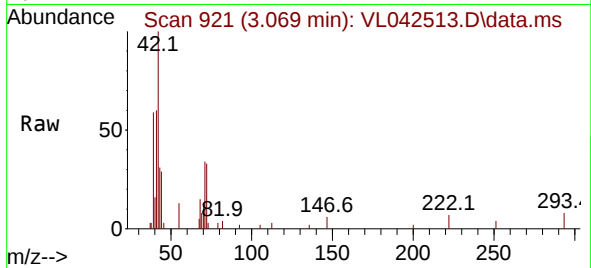
Tgt Ion: 88	Resp: 1588
Ion Ratio	Lower Upper
88	100
58	0.0 0.0 0.0
43	97.3 0.0 0.0#
57	0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.427 ppbv m
RT: 3.069 min Scan# 916
Delta R.T. 0.016 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

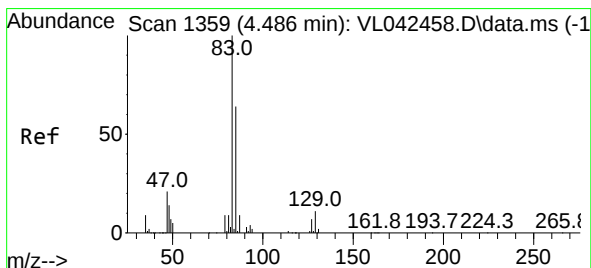
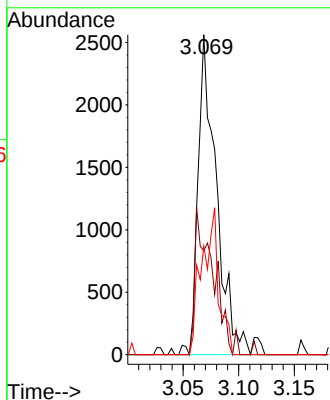
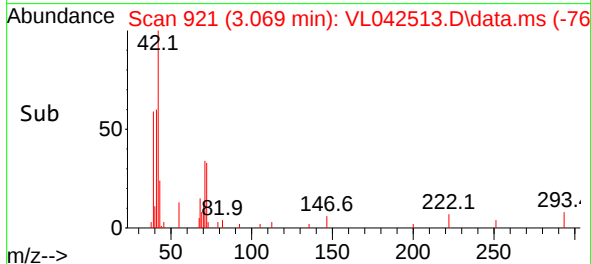
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



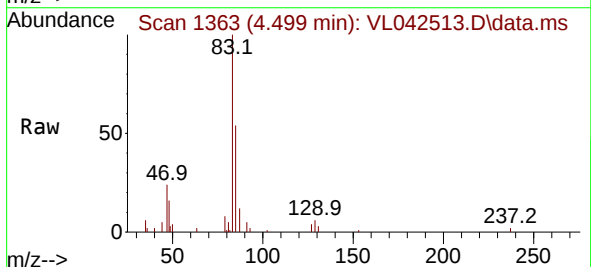
Tgt Ion: 42 Resp: 2989
Ion Ratio Lower Upper
42 100
72 45.0 33.5 50.3
71 0.0 32.6 49.0

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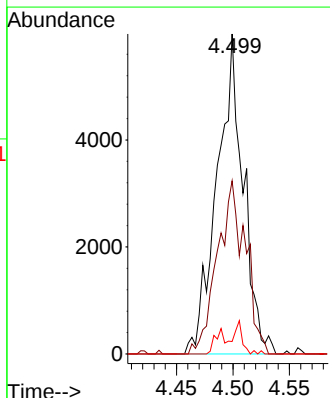
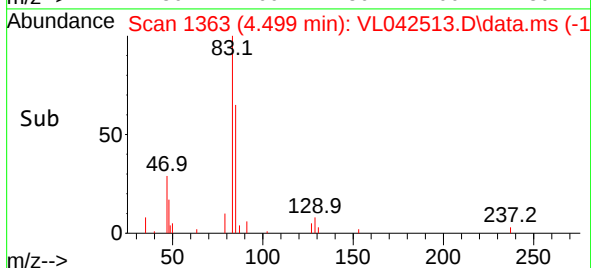
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

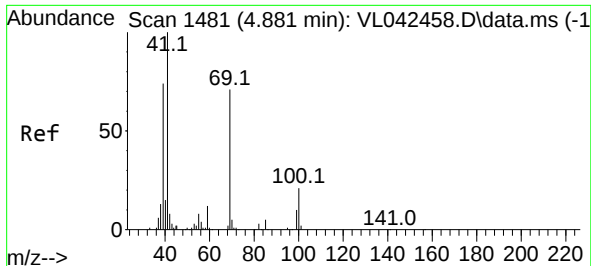


#42
Bromodichloromethane
Concen: 0.534 ppbv m
RT: 4.499 min Scan# 1363
Delta R.T. 0.013 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09



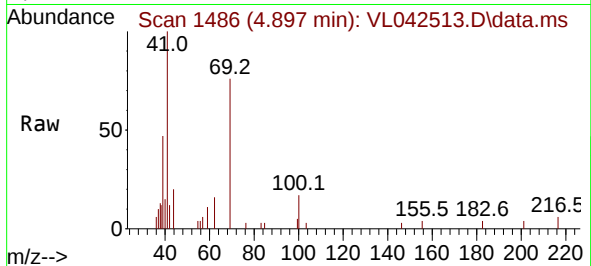
Tgt Ion: 83 Resp: 9663
Ion Ratio Lower Upper
83 100
85 54.1 51.5 77.3
127 3.9 5.4 8.2





#43
Methyl Methacrylate
Concen: 0.342 ppbv m
RT: 4.897 min Scan# 1486
Delta R.T. 0.016 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

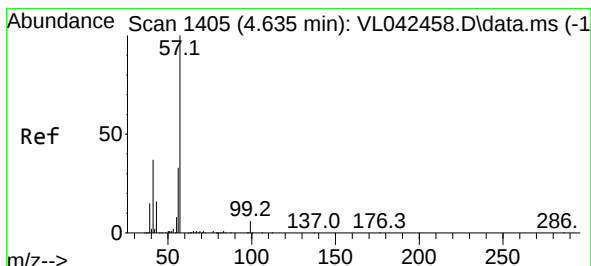
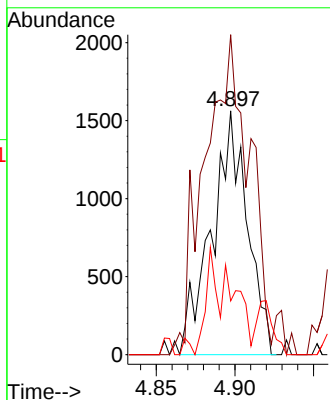
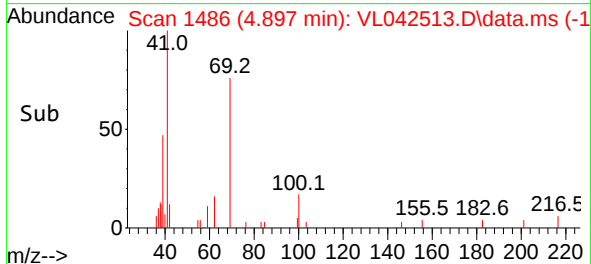
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



Tgt Ion: 69 Resp: 2450
Ion Ratio Lower Upper
69 100
41 170.0 120.8 181.2
100 0.0 26.7 40.1

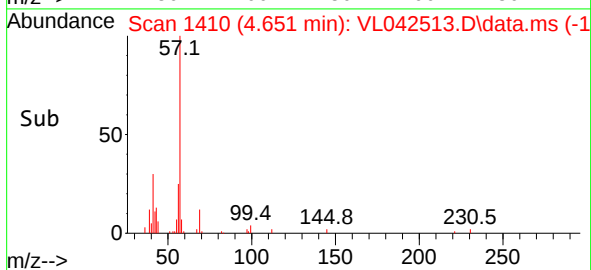
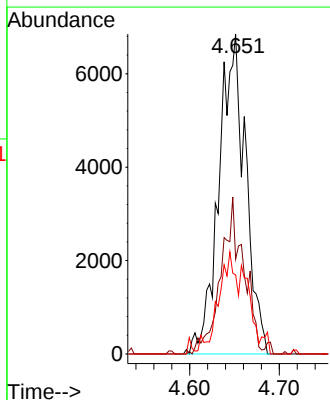
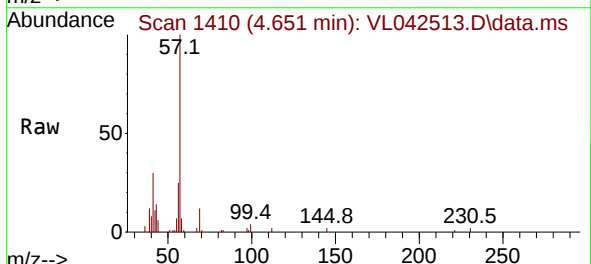
Manual Integrations
APPROVED

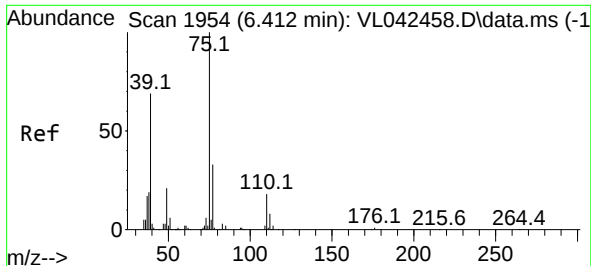
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#44
2,2,4-Trimethylpentane
Concen: 0.454 ppbv m
RT: 4.651 min Scan# 1410
Delta R.T. 0.016 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

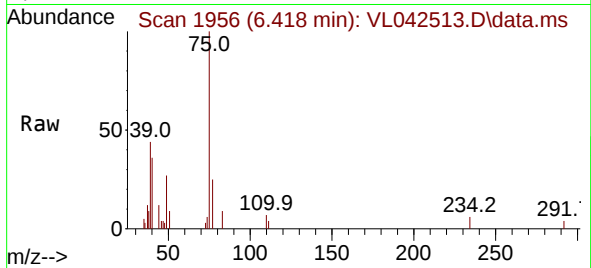
Tgt Ion: 57 Resp: 14145
Ion Ratio Lower Upper
57 100
41 43.0 30.6 45.8
56 34.7 25.0 37.6





#45
 t-1,3-Dichloropropene
 Concen: 0.397 ppbv m
 RT: 6.418 min Scan# 1954
 Delta R.T. 0.007 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

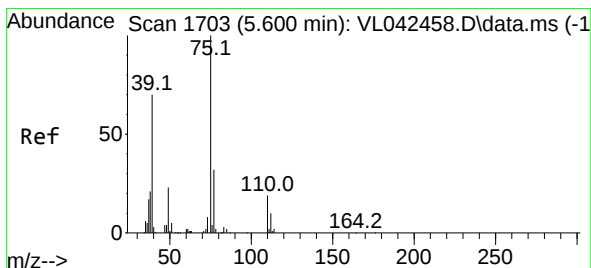
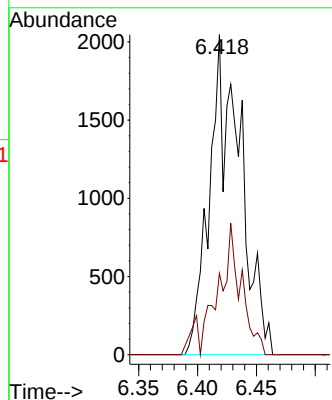
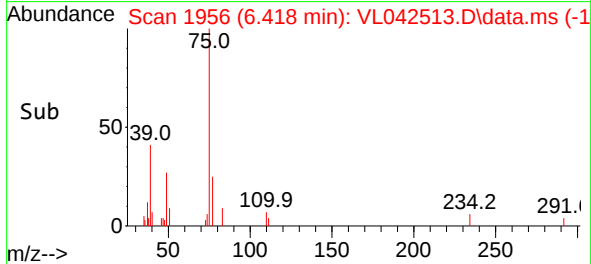
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45



Tgt Ion: 75 Resp: 3732
 Ion Ratio Lower Upper
 75 100
 77 25.4 26.3 39.5

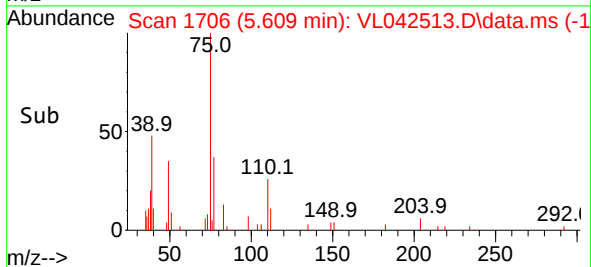
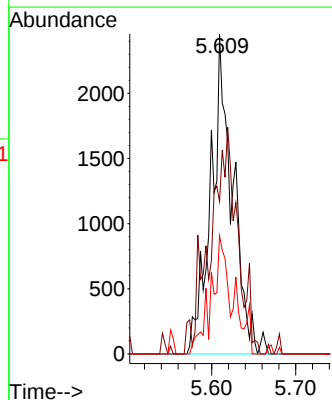
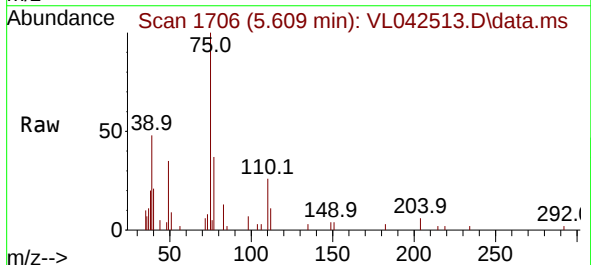
Manual Integrations
 APPROVED

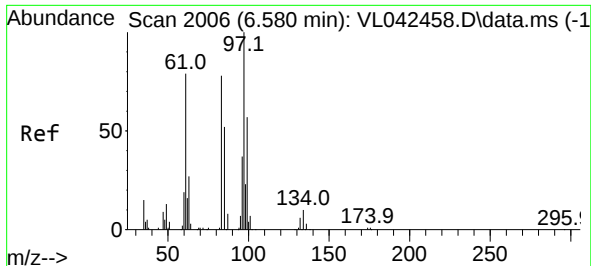
Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.395 ppbv m
 RT: 5.609 min Scan# 1706
 Delta R.T. 0.010 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

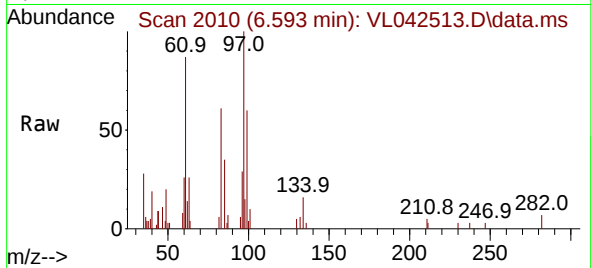
Tgt Ion: 75 Resp: 4415
 Ion Ratio Lower Upper
 75 100
 39 47.6 55.7 83.5#
 77 36.9 25.8 38.8





#47
1,1,2-Trichloroethane
Concen: 0.546 ppbv m
RT: 6.593 min Scan# 2006
Delta R.T. 0.013 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

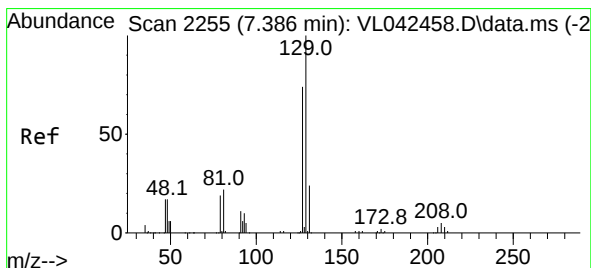
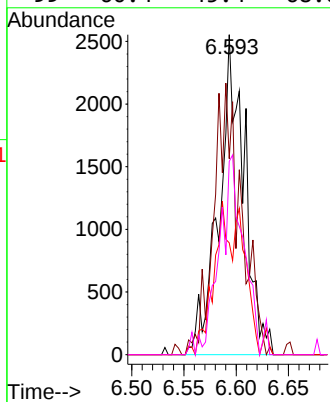
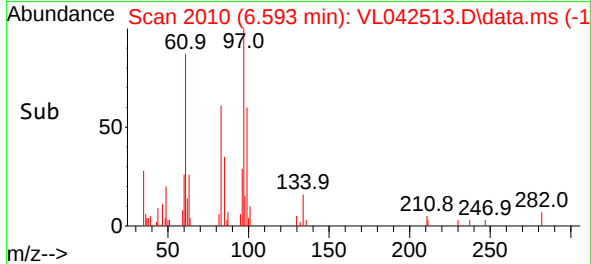
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



Tgt Ion: 97 Resp: 4308
Ion Ratio Lower Upper
97 100
83 61.2 62.2 93.2
85 35.0 41.5 62.3
99 60.4 45.4 68.0

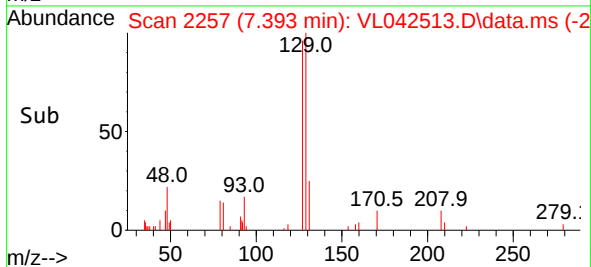
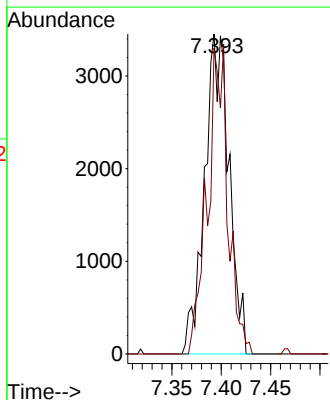
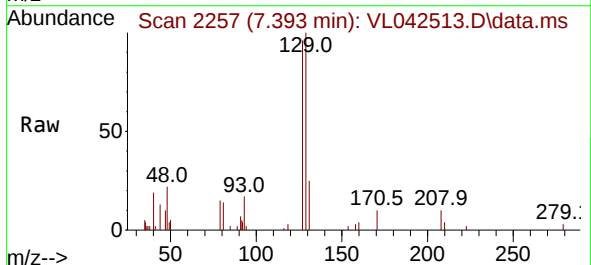
Manual Integrations
APPROVED

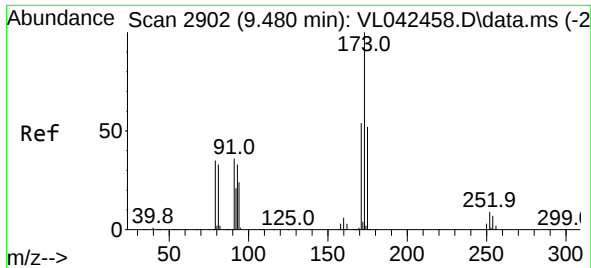
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#48
Dibromochloromethane
Concen: 0.448 ppbv m
RT: 7.393 min Scan# 2257
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

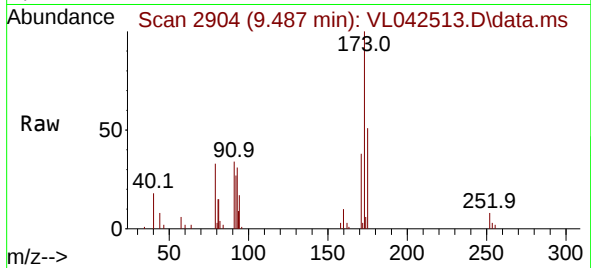
Tgt Ion:129 Resp: 5963
Ion Ratio Lower Upper
129 100
127 80.2 39.5 118.5





#49
Bromoform
Concen: 0.463 ppbv m
RT: 9.487 min Scan# 2902
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

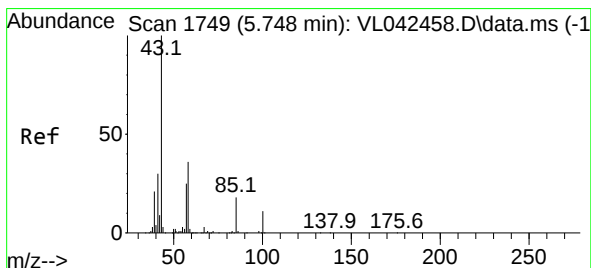
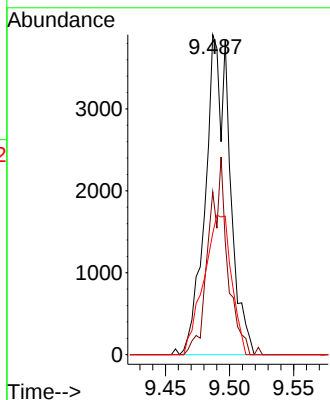
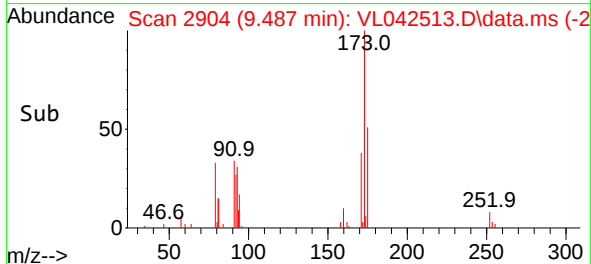
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



Tgt Ion:173 Resp: 517
Ion Ratio Lower Upper
173 100
175 47.3 38.9 58.3
171 0.0 40.6 60.8

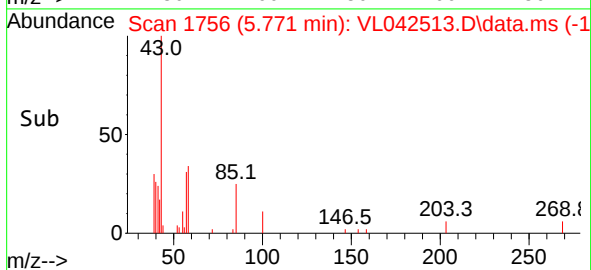
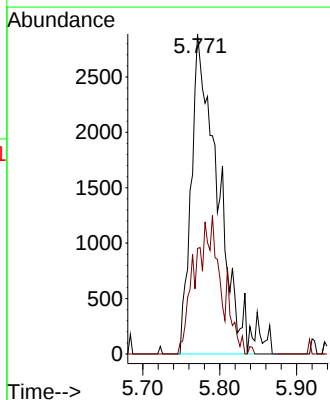
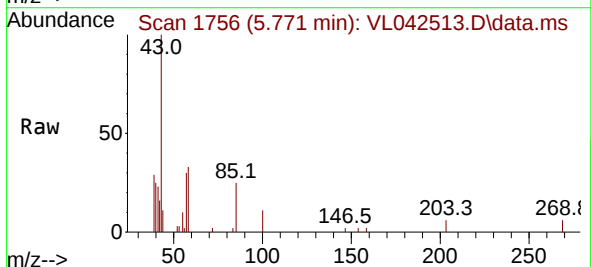
Manual Integrations
APPROVED

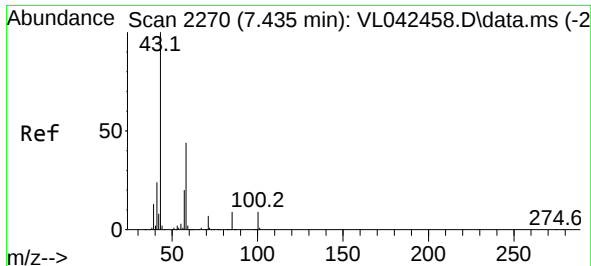
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#50
4-Methyl-2-Pentanone
Concen: 0.380 ppbv m
RT: 5.771 min Scan# 1756
Delta R.T. 0.023 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

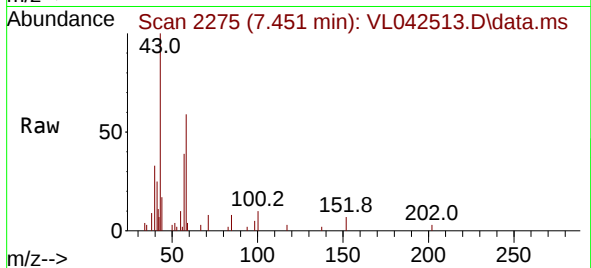
Tgt Ion: 43 Resp: 7074
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#





#51
2-Hexanone
Concen: 0.349 ppbv m
RT: 7.451 min Scan# 2190
Delta R.T. 0.016 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

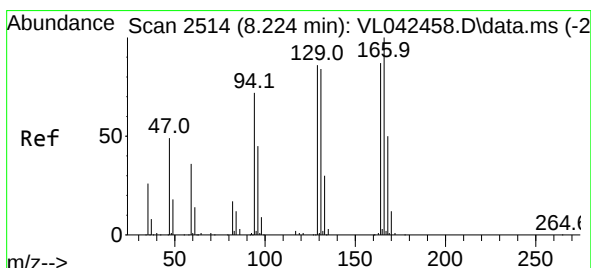
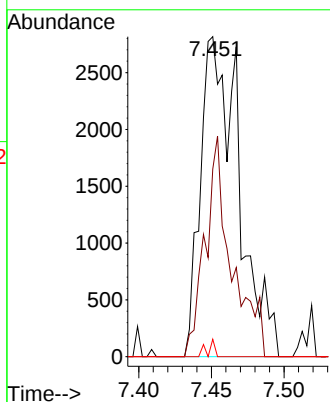
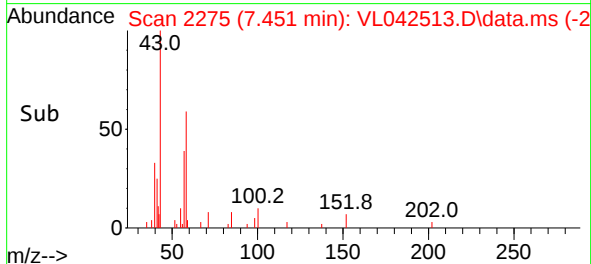
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



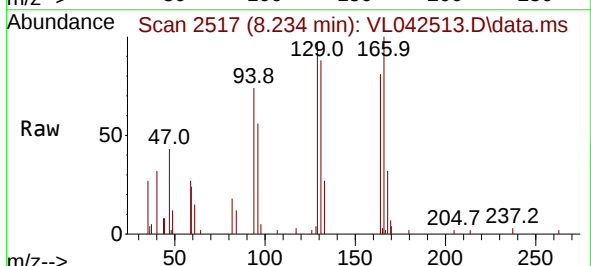
Tgt Ion: 43 Resp: 5190
Ion Ratio Lower Upper
43 100
58 46.9 37.2 55.8
98 0.0 0.4 0.6

Manual Integrations
APPROVED

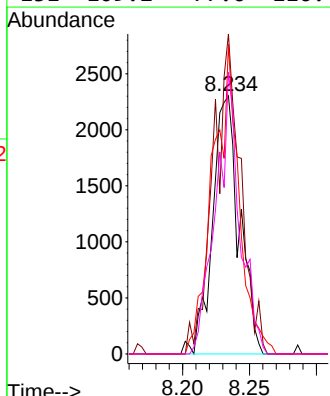
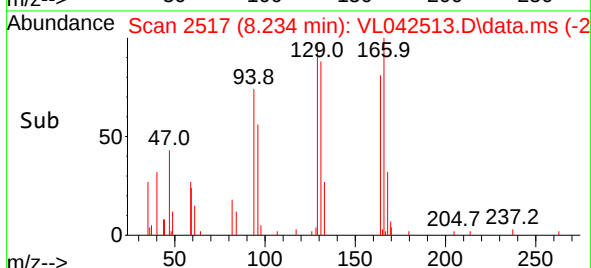
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

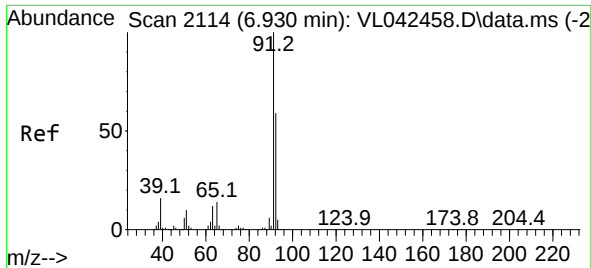


#52
Tetrachloroethene
Concen: 0.440 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. 0.010 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09



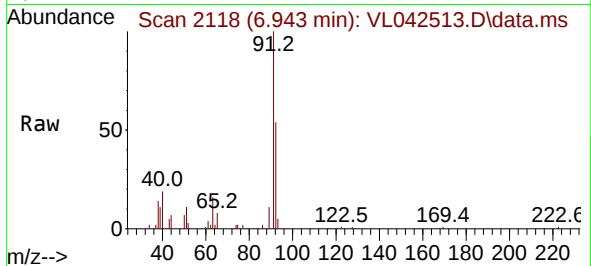
Tgt Ion:164 Resp: 3220
Ion Ratio Lower Upper
164 100
166 124.0 91.6 137.4
129 120.0 79.0 118.4#
131 109.2 77.6 116.4





#53
Toluene
Concen: 0.385 ppbv m
RT: 6.943 min Scan# 2114
Delta R.T. 0.013 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

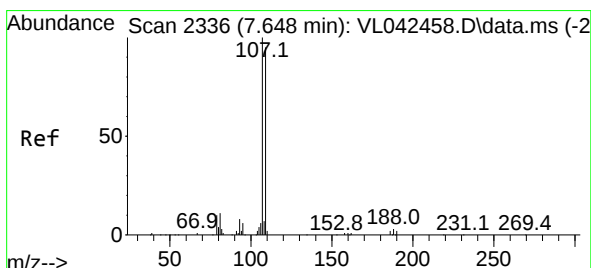
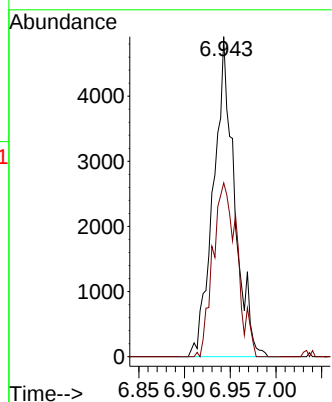
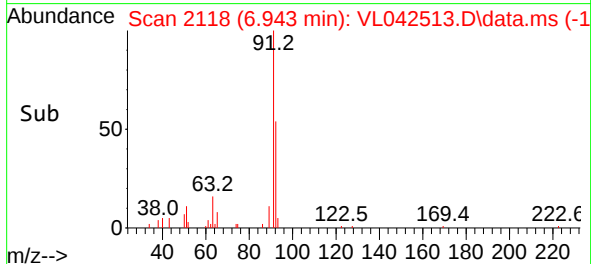
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



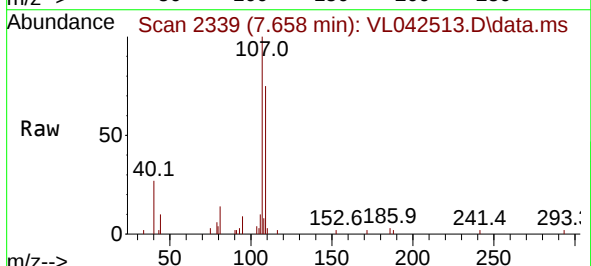
Tgt Ion: 91 Resp: 7834
Ion Ratio Lower Upper
91 100
92 62.6 47.9 71.9

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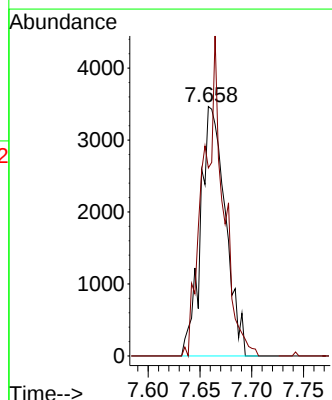
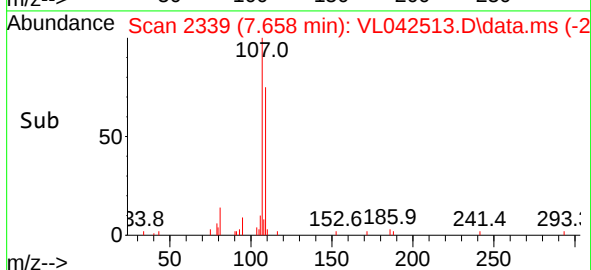
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

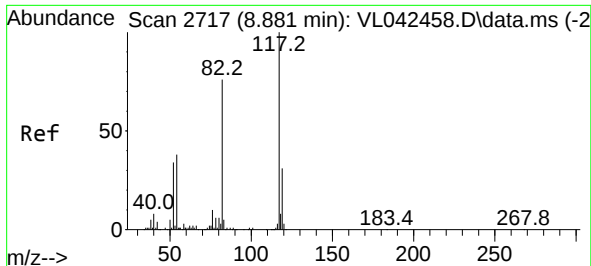


#54
1,2-Dibromoethane
Concen: 0.478 ppbv m
RT: 7.658 min Scan# 2339
Delta R.T. 0.010 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09



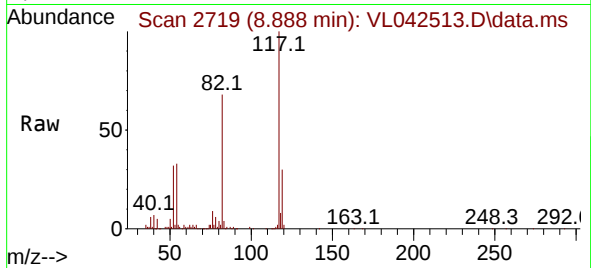
Tgt Ion:107 Resp: 5762
Ion Ratio Lower Upper
107 100
109 75.4 76.0 114.0#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2717
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

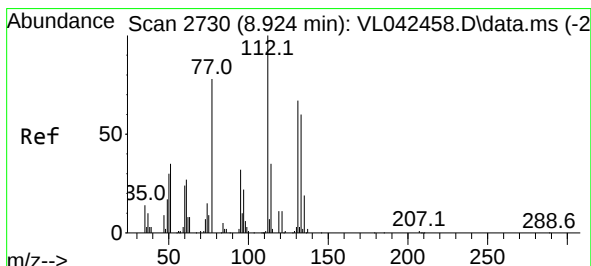
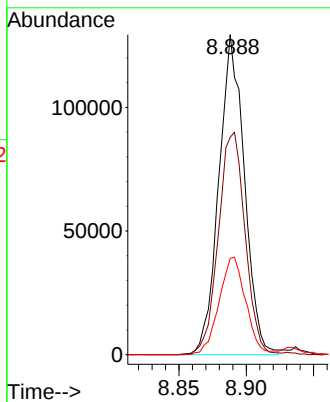
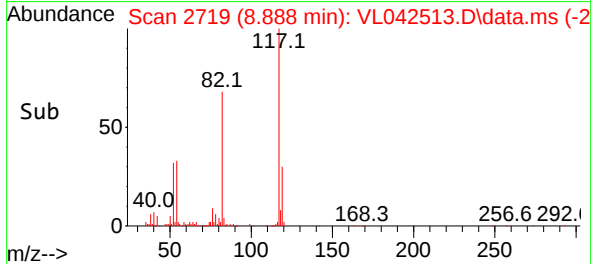
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



Tgt Ion:117 Resp: 170630
Ion Ratio Lower Upper
117 100
82 73.0 63.5 95.3
119 33.8 25.8 38.8

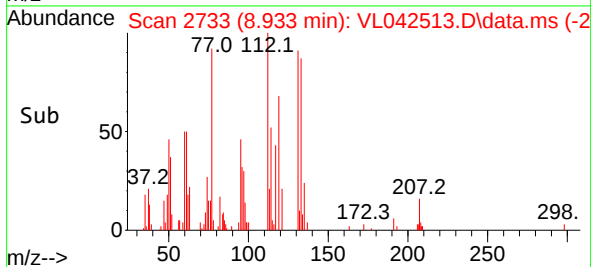
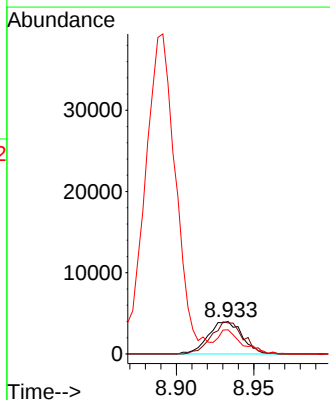
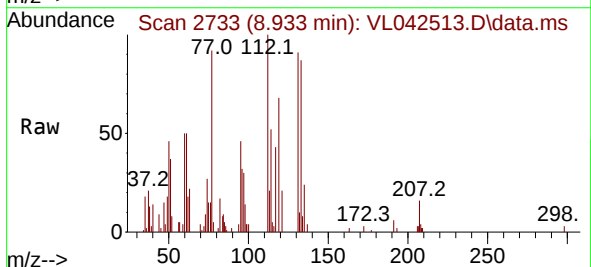
Manual Integrations
APPROVED

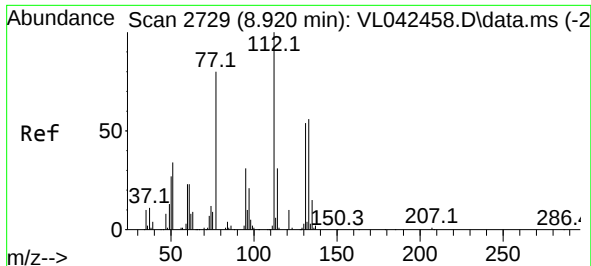
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.603 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.010 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

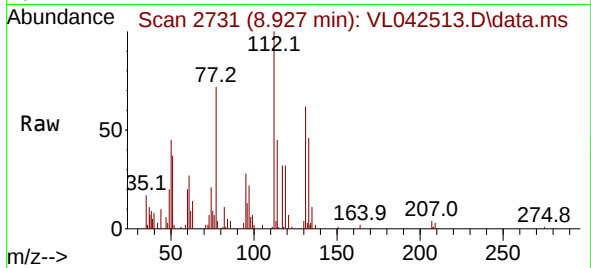
Tgt Ion:131 Resp: 6075
Ion Ratio Lower Upper
131 100
133 93.3 76.0 114.0
119 51.1 46.1 69.1





#57
Chlorobenzene
Concen: 0.465 ppbv
RT: 8.927 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

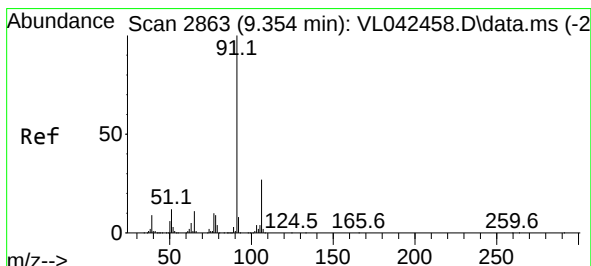
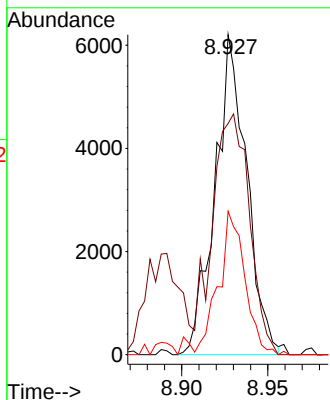
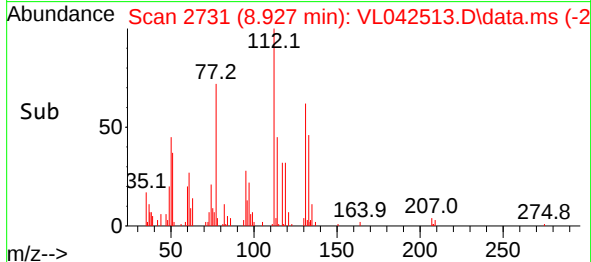
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



Tgt Ion: 112 Resp: 7974
Ion Ratio Lower Upper
112 100
77 72.2 65.0 97.4
114 44.8 27.5 33.7

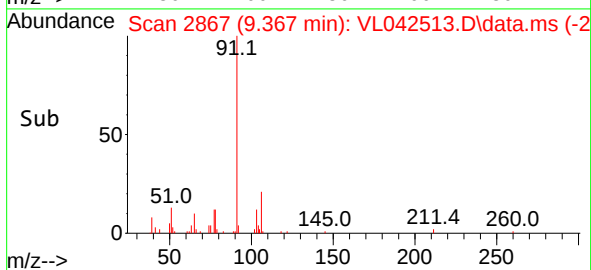
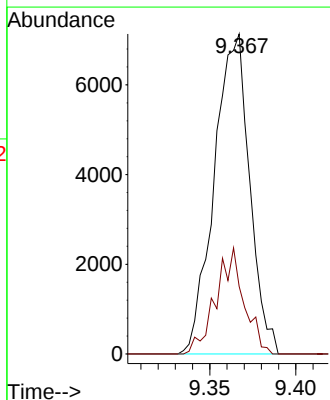
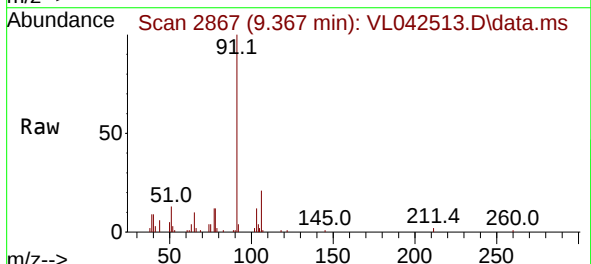
Manual Integrations
APPROVED

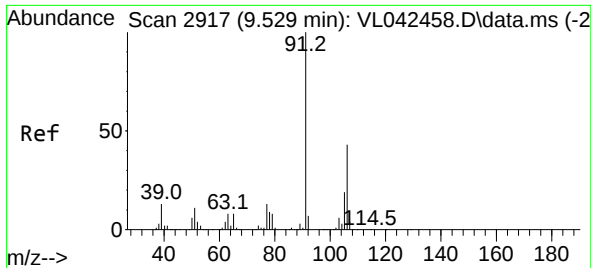
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#58
Ethyl Benzene
Concen: 0.357 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.013 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 91 Resp: 10193
Ion Ratio Lower Upper
91 100
106 21.1 21.9 32.9





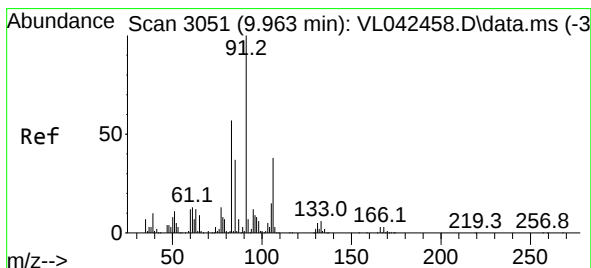
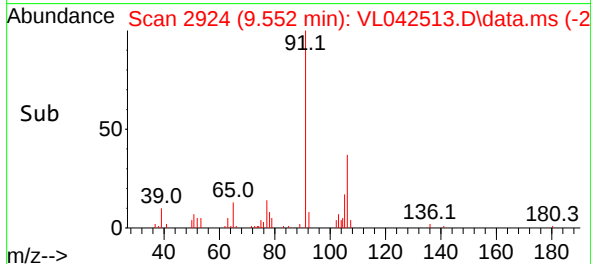
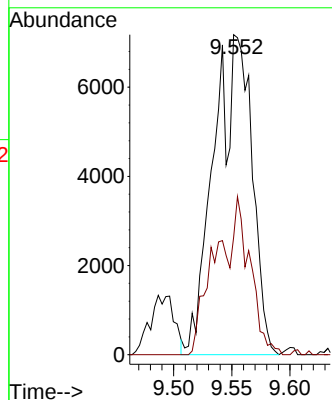
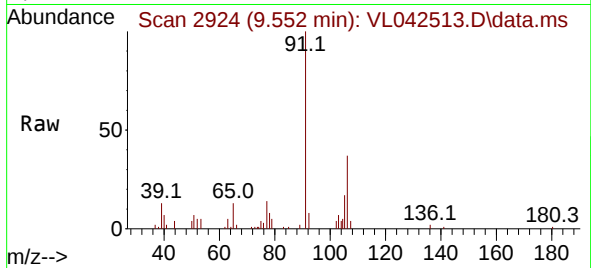
#59
m/p-Xylene
Concen: 0.681 ppbv m
RT: 9.552 min Scan# 2917
Delta R.T. 0.023 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

Tgt Ion: 91 Resp: 1628
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2

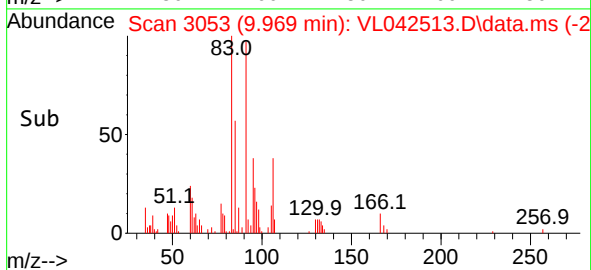
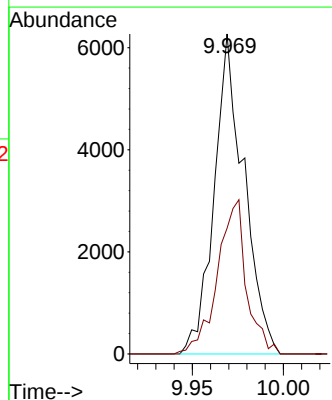
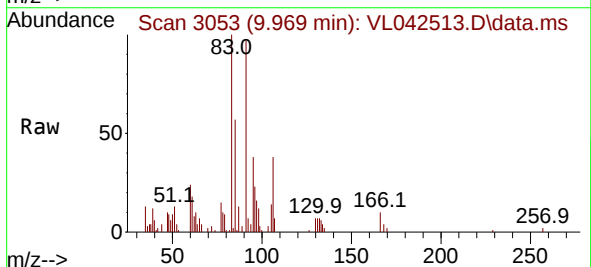
Manual Integrations
APPROVED

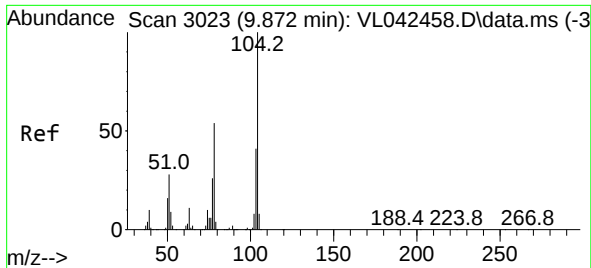
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#60
o-Xylene
Concen: 0.298 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 91 Resp: 7134
Ion Ratio Lower Upper
91 100
106 46.8 20.1 60.2





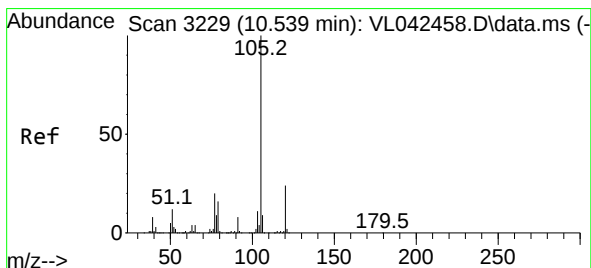
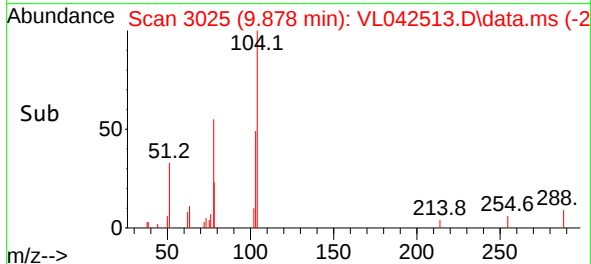
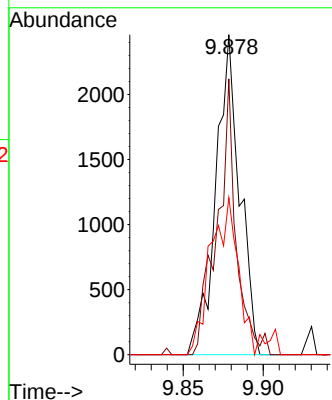
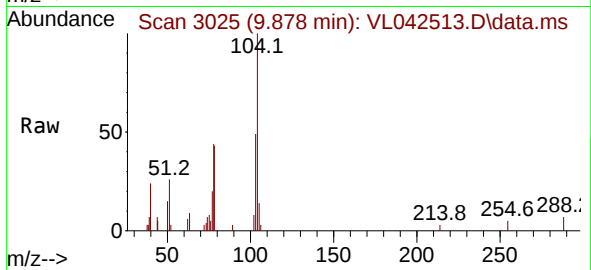
#61
Styrene
Concen: 0.287 ppbv m
RT: 9.878 min Scan# 3023
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

Tgt Ion:104 Resp: 2560
Ion Ratio Lower Upper
104 100
78 68.5 46.9 70.3
103 60.2 36.6 55.0

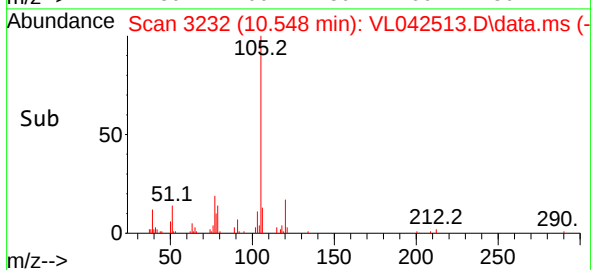
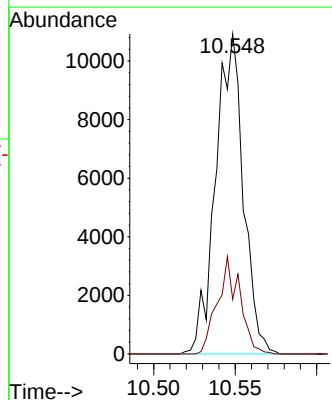
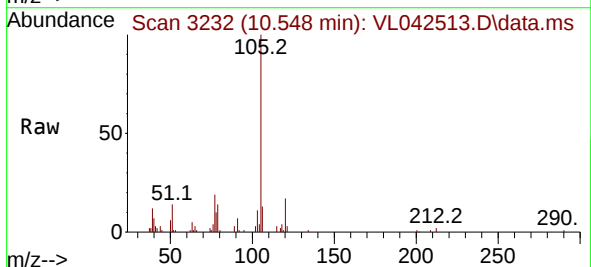
Manual Integrations
APPROVED

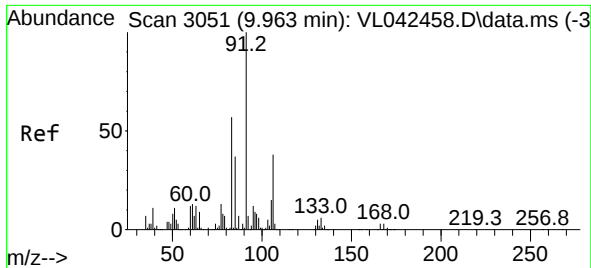
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#62
Isopropylbenzene
Concen: 0.374 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. 0.010 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

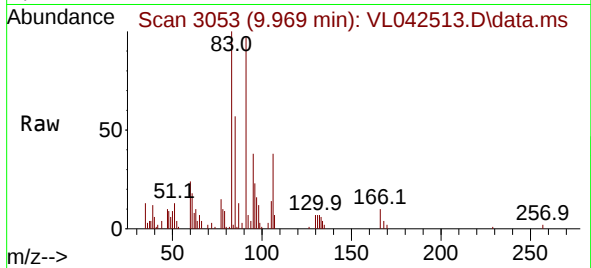
Tgt Ion:105 Resp: 12919
Ion Ratio Lower Upper
105 100
120 24.5 18.8 28.2





#63
1,1,2,2-Tetrachloroethane
Concen: 0.550 ppbv
RT: 9.969 min Scan# 3051
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

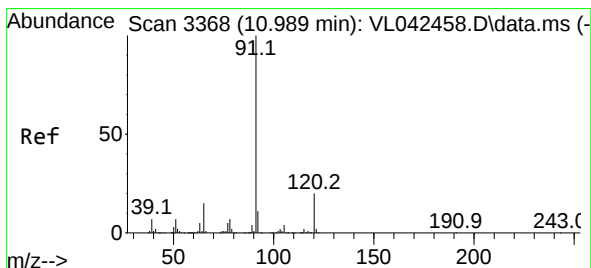
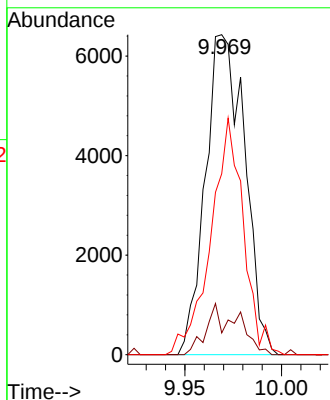
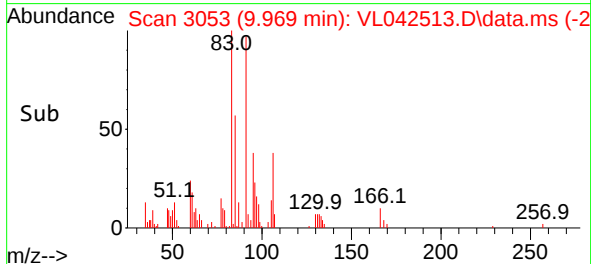
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



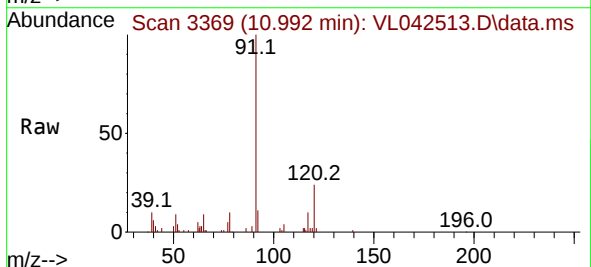
Tgt Ion: 83 Resp: 9078
Ion Ratio Lower Upper
83 100
131 12.9 4.7 14.1
85 61.4 32.5 97.4

Manual Integrations
APPROVED

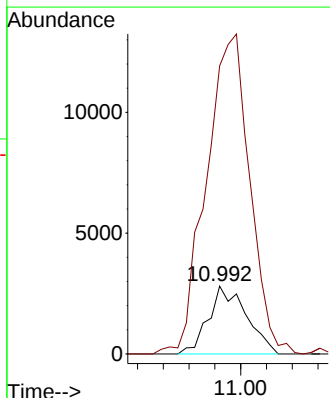
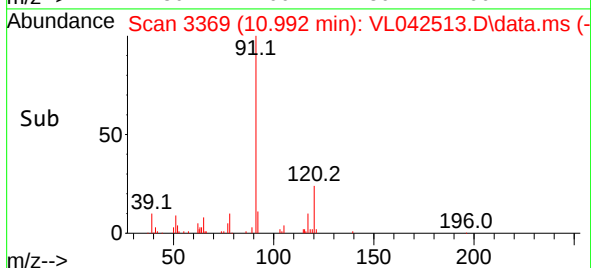
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

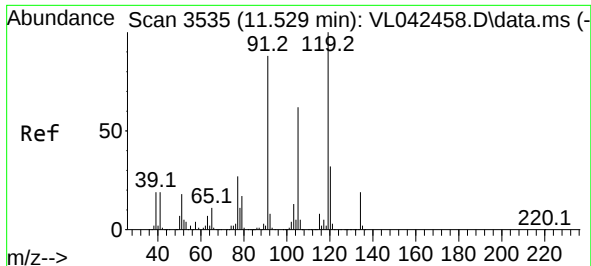


#64
n-propylbenzene
Concen: 0.340 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09



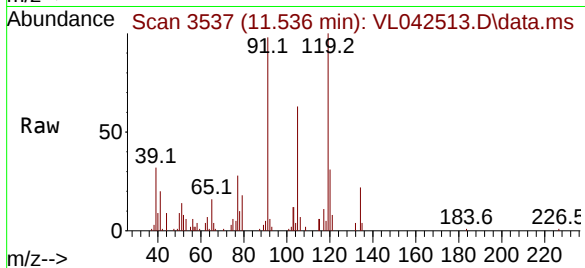
Tgt Ion:120 Resp: 2868
Ion Ratio Lower Upper
120 100
91 543.4 408.6 612.8





#65
tert-Butylbenzene
Concen: 0.330 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

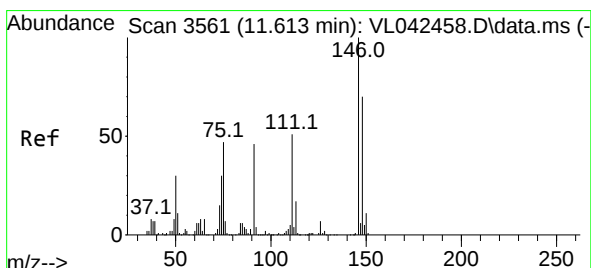
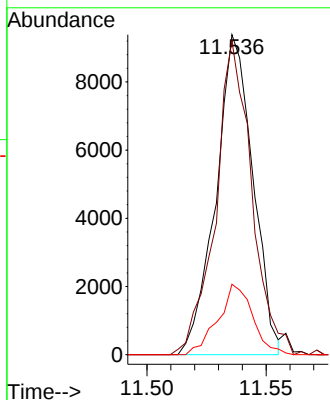
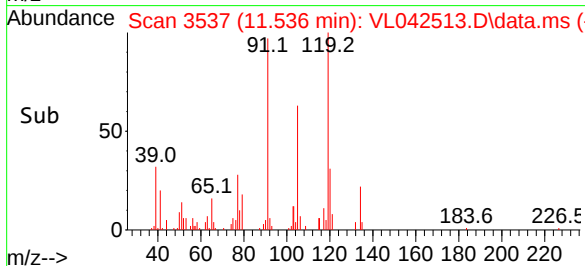
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



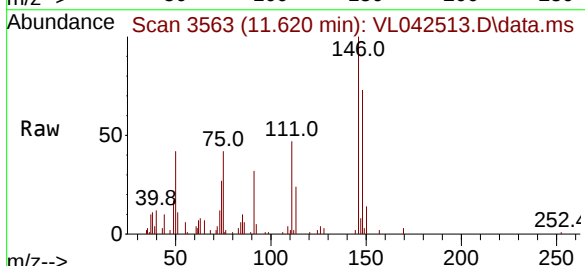
Tgt Ion: 119 Resp: 10170
Ion Ratio Lower Upper
119 100
91 95.5 71.6 107.4
134 20.6 15.0 22.4

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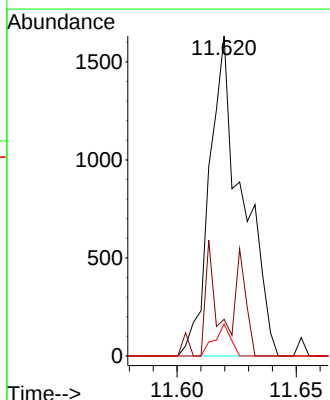
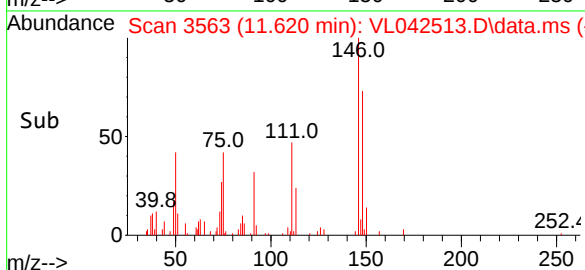
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

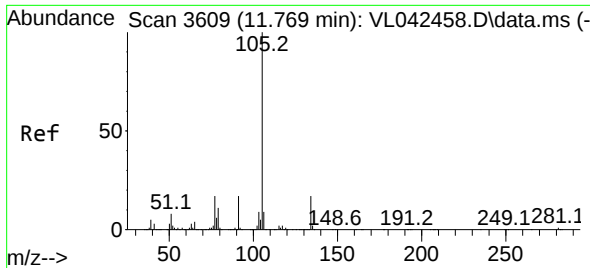


#66
Benzyl Chloride
Concen: 0.438 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09



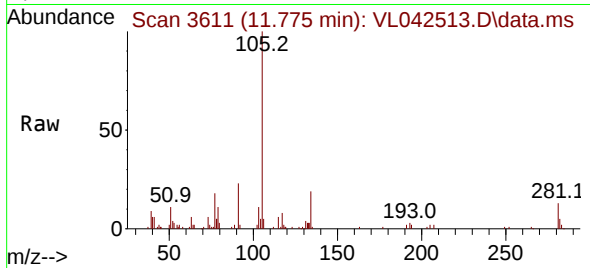
Tgt Ion: 91 Resp: 1560
Ion Ratio Lower Upper
91 100
126 24.2 13.3 19.9#
128 4.9 4.2 6.4





#67
 sec-Butylbenzene
 Concen: 0.345 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.007 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

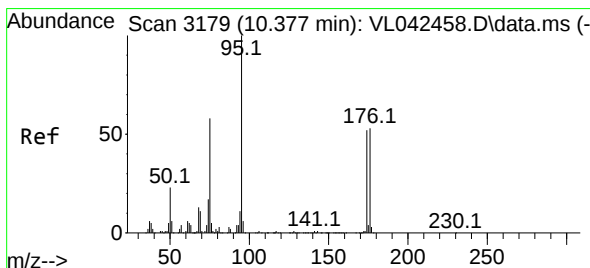
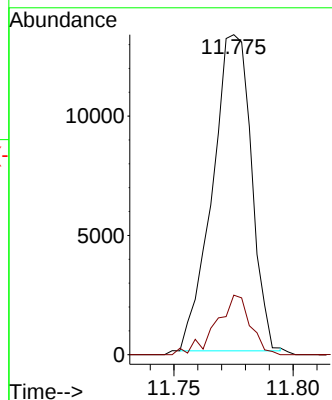
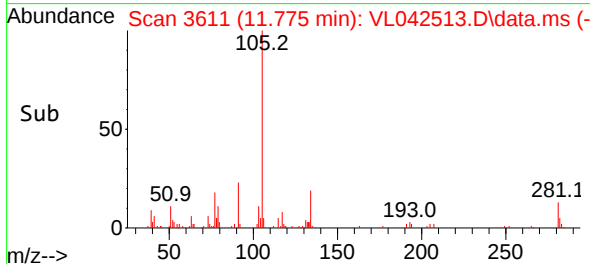
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45



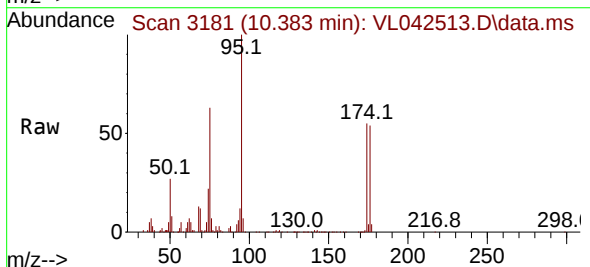
Tgt Ion:105 Resp: 1509
 Ion Ratio Lower Upper
 105 100
 134 16.5 14.1 21.1

Manual Integrations
 APPROVED

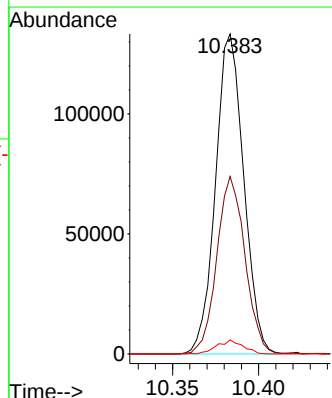
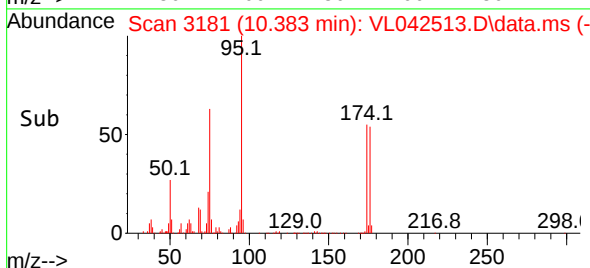
Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025

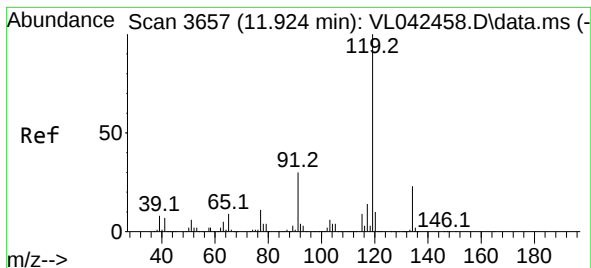


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.617 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.007 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09



Tgt Ion: 95 Resp: 152135
 Ion Ratio Lower Upper
 95 100
 174 55.5 42.7 64.1
 175 4.0 3.6 5.4





#69

p-Isopropyltoluene

Concen: 0.306 ppbv

RT: 11.930 min Scan# 3659

Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

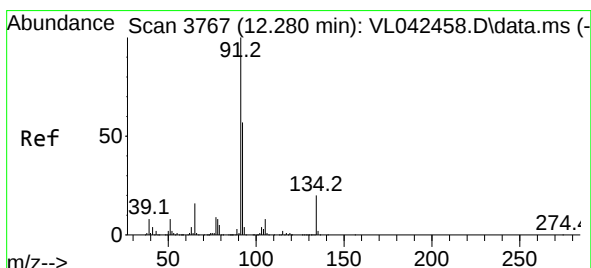
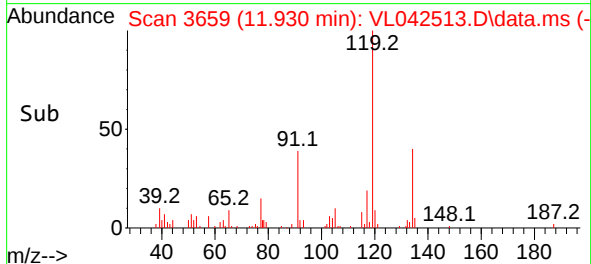
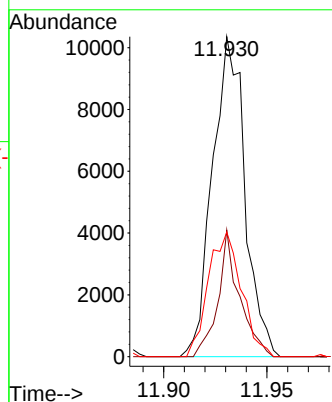
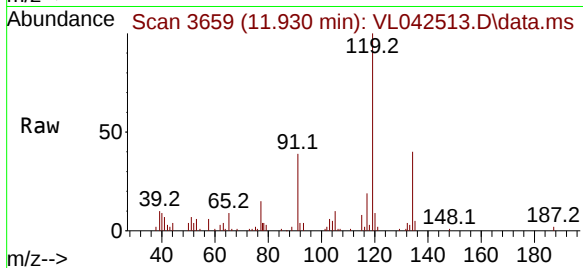
MDL2 0.45

Tgt Ion:	119	Resp:	11304
Ion Ratio	Lower	Upper	
119	100		
134	26.2	19.0	28.4
91	39.7	25.5	38.3

Manual Integrations

APPROVED

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



#70

n-Butylbenzene

Concen: 0.285 ppbv m

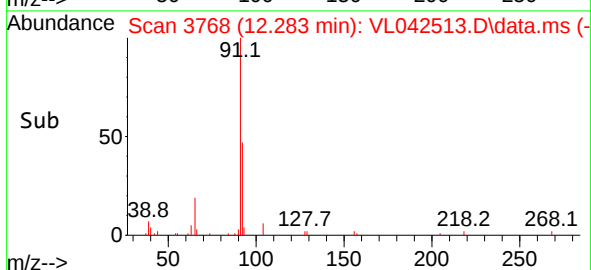
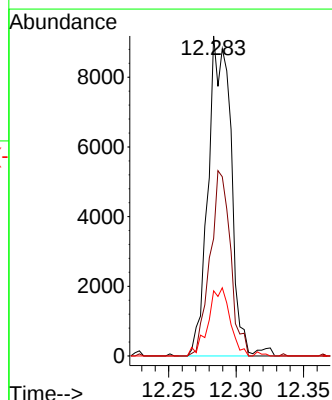
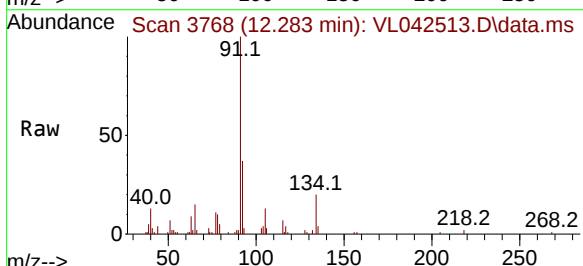
RT: 12.283 min Scan# 3768

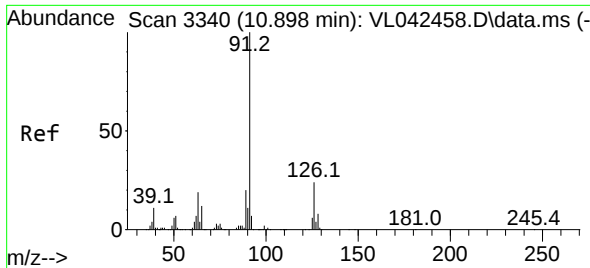
Delta R.T. 0.003 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

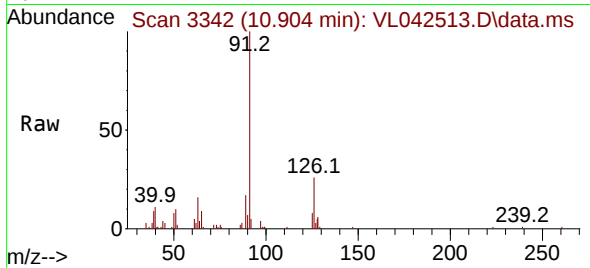
Tgt Ion:	91	Resp:	10886
Ion Ratio	Lower	Upper	
91	100		
92	51.2	44.0	66.0
134	20.6	16.8	25.2





#71
2-Chlorotoluene
Concen: 0.385 ppbv
RT: 10.904 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

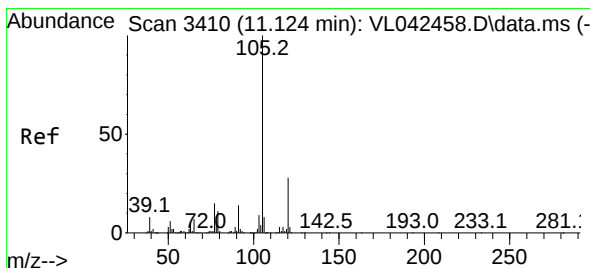
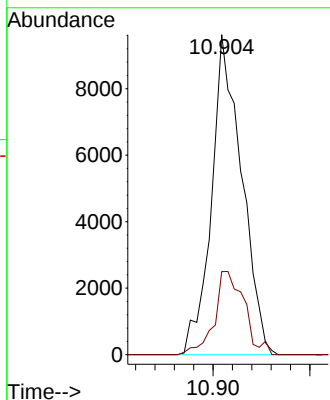
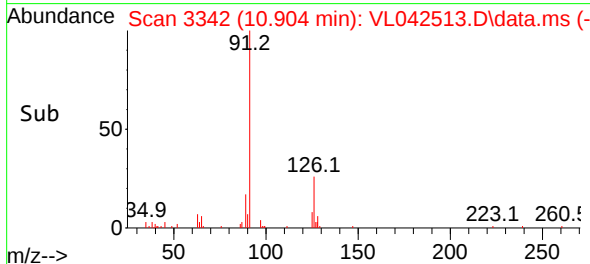
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



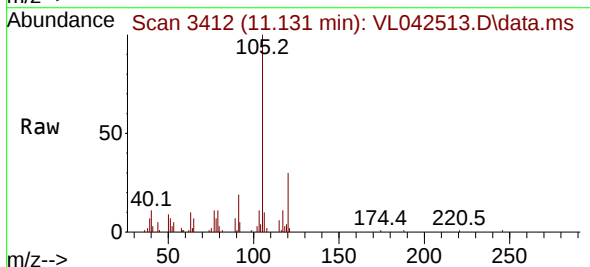
Tgt Ion: 91 Resp: 10430
Ion Ratio Lower Upper
91 100
126 25.7 10.6 42.2

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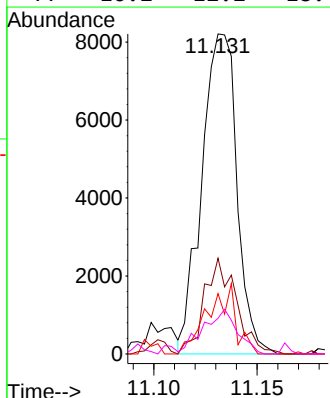
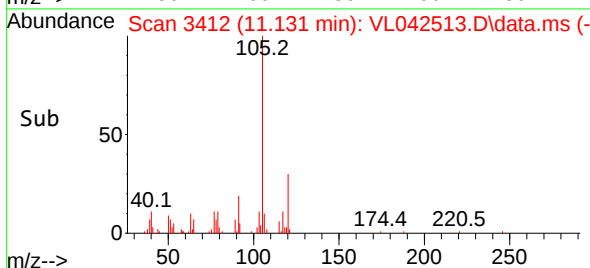
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

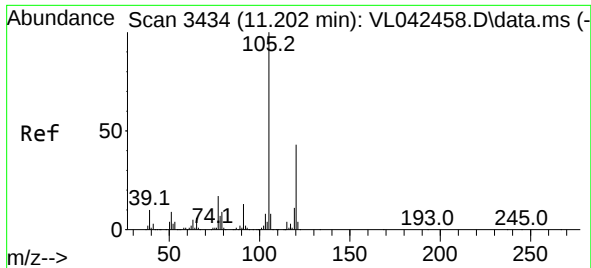


#72
4-Ethyltoluene
Concen: 0.345 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09



Tgt Ion:105 Resp: 9734
Ion Ratio Lower Upper
105 100
120 29.3 22.0 33.0
91 19.2 11.2 16.8#
77 16.2 12.2 18.4





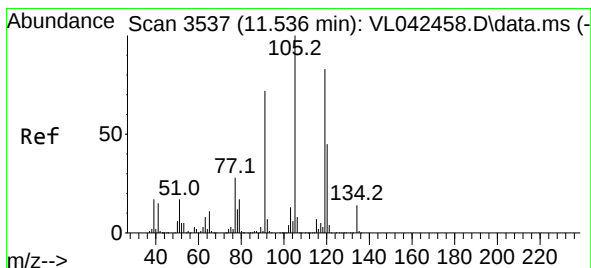
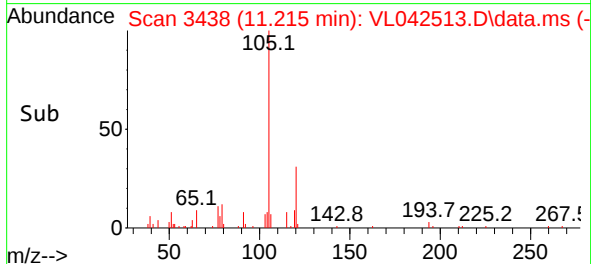
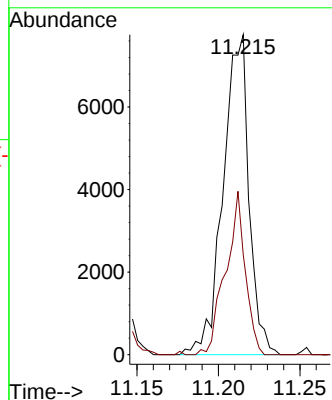
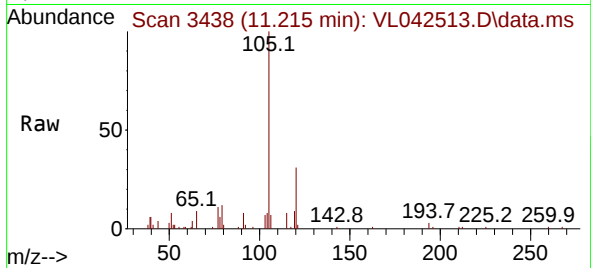
#73
1,3,5-Trimethylbenzene
Concen: 0.345 ppbv
RT: 11.215 min Scan# 3438
Delta R.T. 0.013 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

Tgt Ion:105 Resp: 8558
Ion Ratio Lower Upper
105 100
120 31.2 34.4 51.6

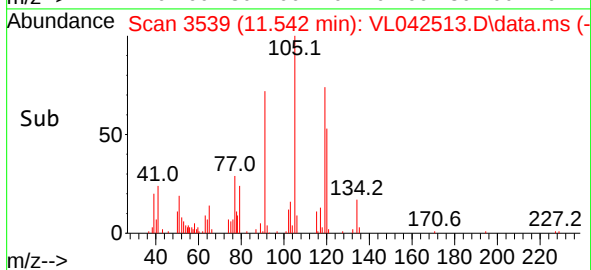
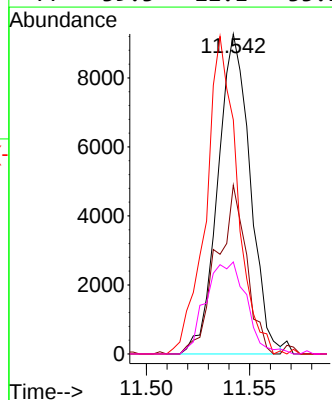
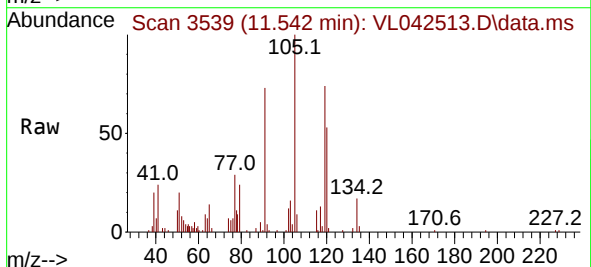
Manual Integrations
APPROVED

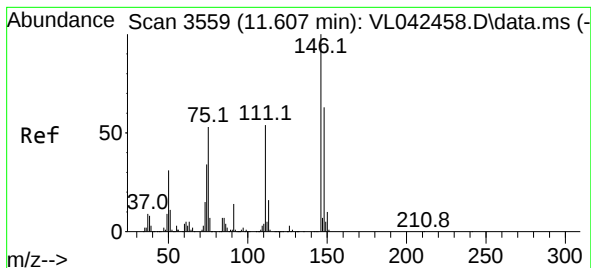
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.336 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion:105 Resp: 10098
Ion Ratio Lower Upper
105 100
120 54.5 36.1 54.1#
91 72.2 57.6 86.4
77 39.3 22.1 33.1#





#75

1,3-Dichlorobenzene

Concen: 0.466 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

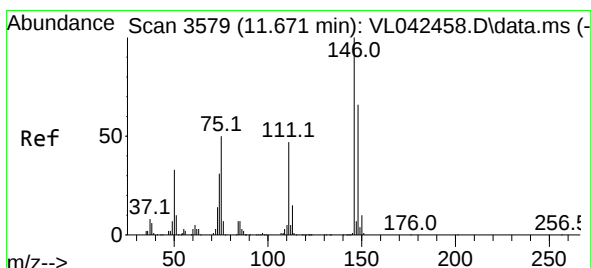
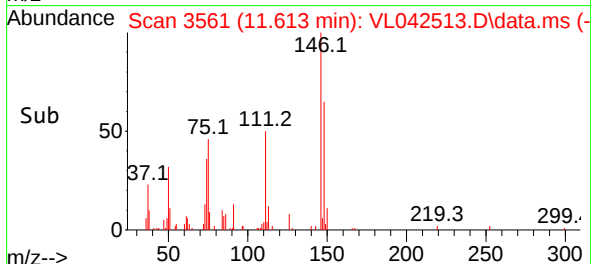
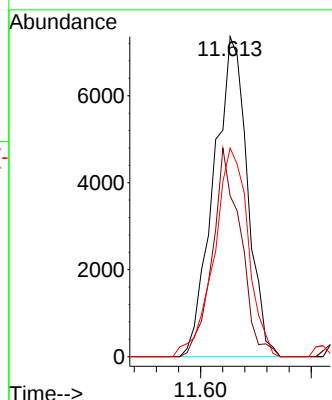
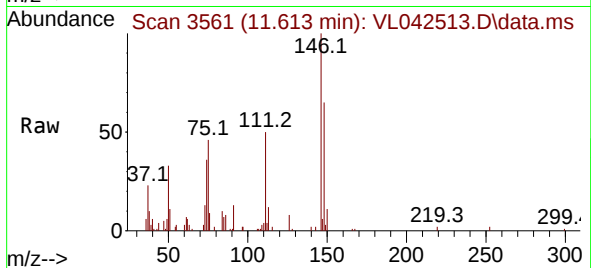
MDL2 0.45

Tgt Ion:146	Resp:	7790
Ion Ratio	Lower	Upper
146	100	
111	54.4	26.1 78.3
148	65.8	32.0 96.0

Manual Integrations

APPROVED

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



#76

1,4-Dichlorobenzene

Concen: 0.444 ppbv

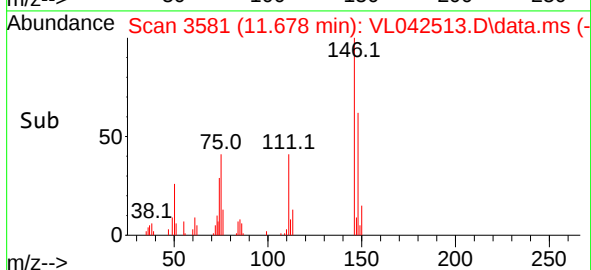
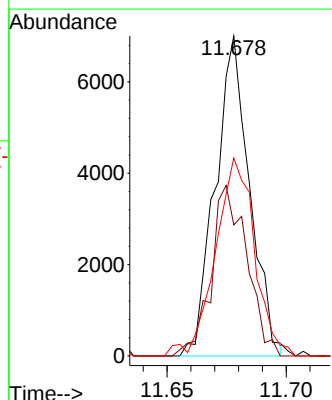
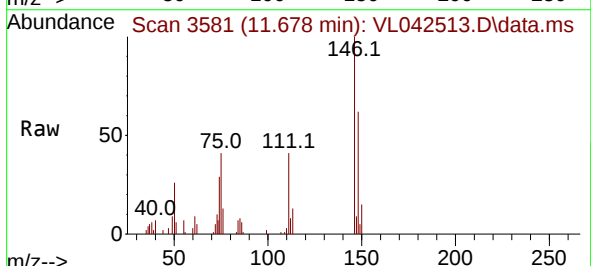
RT: 11.678 min Scan# 3581

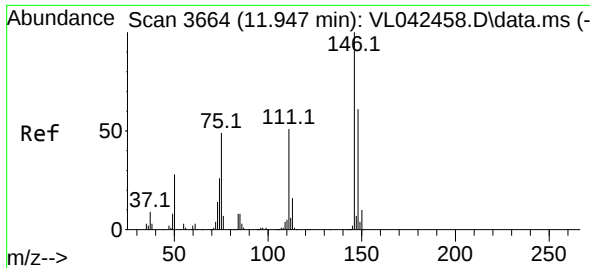
Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Tgt Ion:146	Resp:	7027
Ion Ratio	Lower	Upper
146	100	
111	55.1	24.4 73.2
148	70.4	32.0 96.2





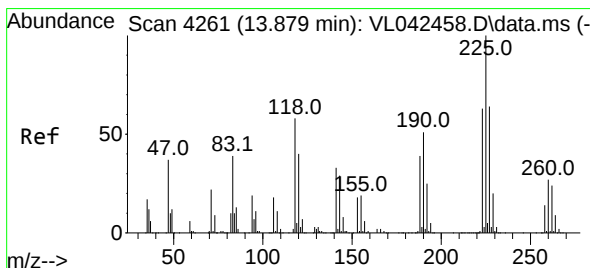
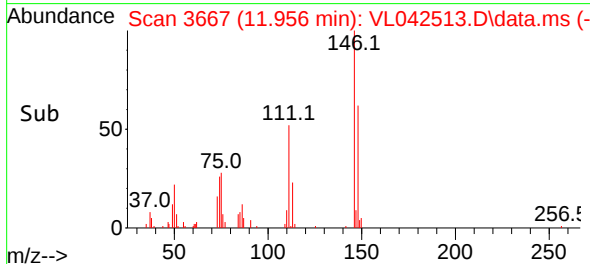
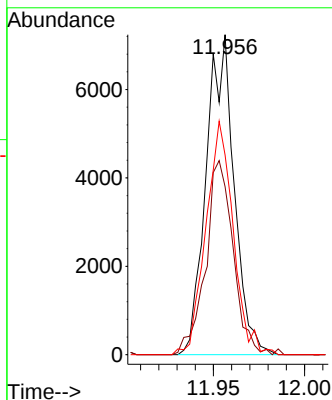
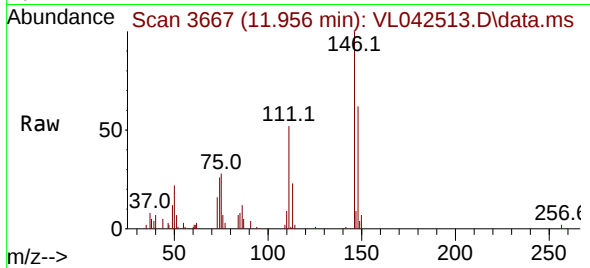
#77
1,2-Dichlorobenzene
Concen: 0.472 ppbv
RT: 11.956 min Scan# 30
Delta R.T. 0.010 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

Tgt Ion:146 Resp: 7710
Ion Ratio Lower Upper
146 100
111 59.9 26.5 79.5
148 71.4 31.5 94.5

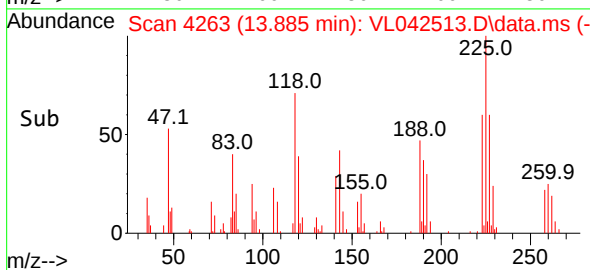
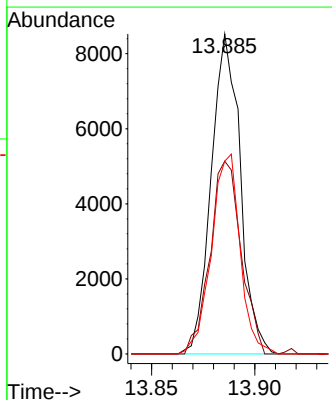
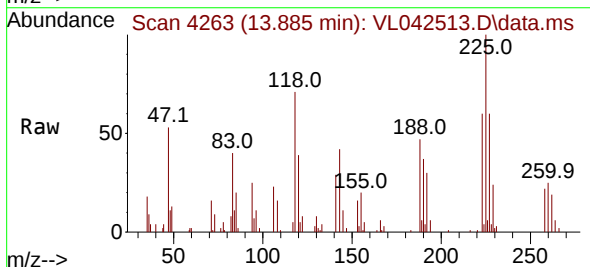
Manual Integrations
APPROVED

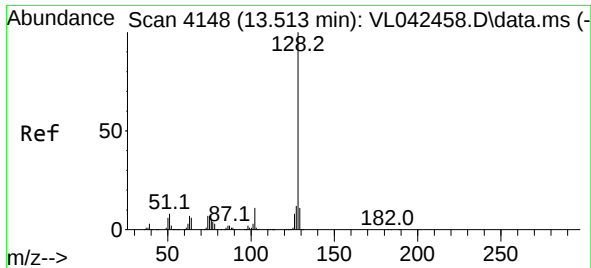
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#78
Hexachloro-1,3-Butadiene
Concen: 0.509 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

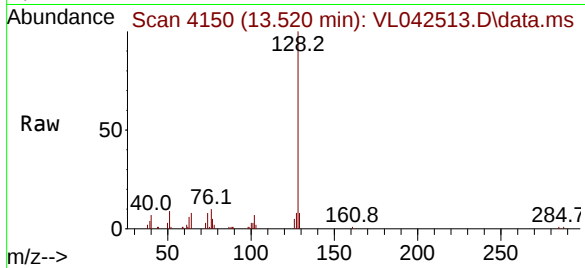
Tgt Ion:225 Resp: 8321
Ion Ratio Lower Upper
225 100
223 65.2 50.2 75.4
227 61.8 51.2 76.8





#79
Naphthalene
Concen: 0.260 ppbv
RT: 13.520 min Scan# 4150
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

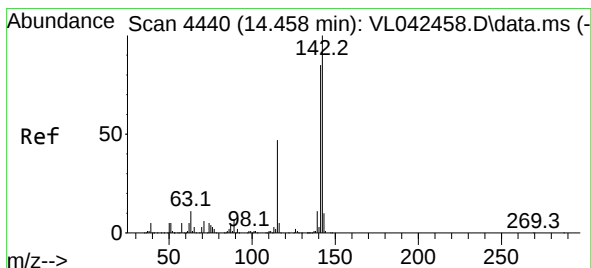
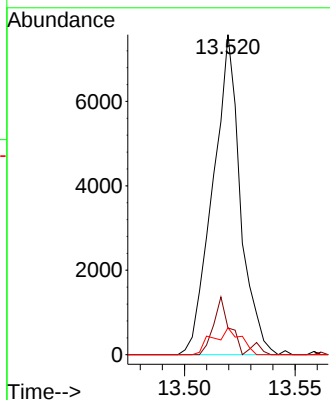
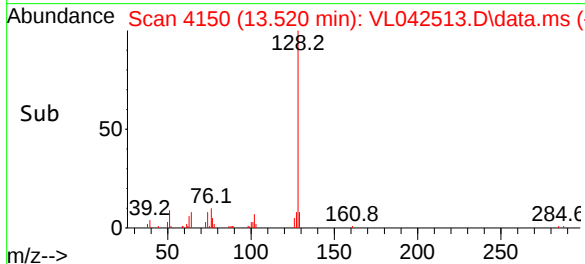
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45



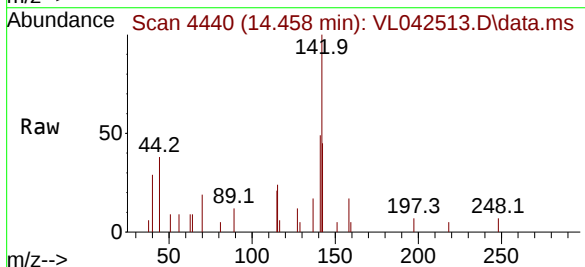
Tgt Ion:128 Resp: 6560
Ion Ratio Lower Upper
128 100
127 8.3 9.7 14.5
129 8.4 8.6 13.0

Manual Integrations
APPROVED

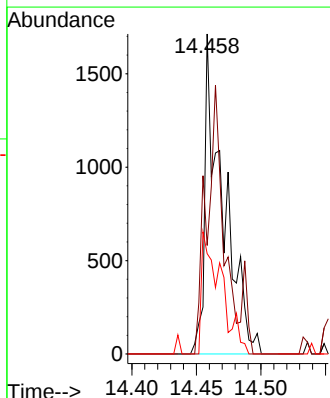
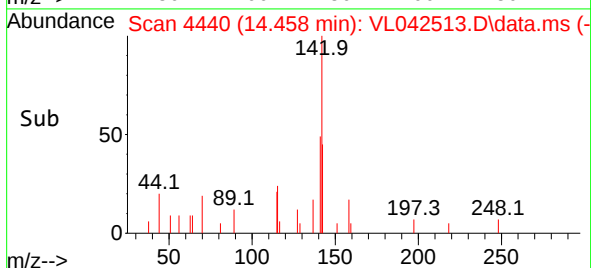
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

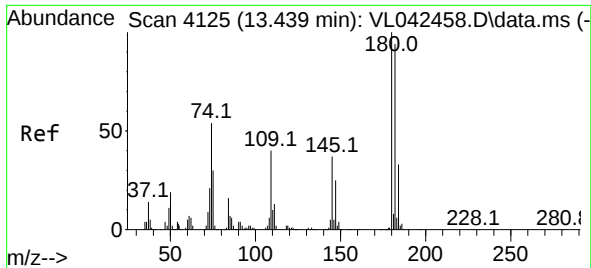


#80
Naphthalene,2-methyl-
Concen: 0.089 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09



Tgt Ion:142 Resp: 1672
Ion Ratio Lower Upper
142 100
141 86.4 67.4 101.0
115 42.2 36.9 55.3





#81

1,2,4-Trichlorobenzene

Concen: 0.245 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042513.D

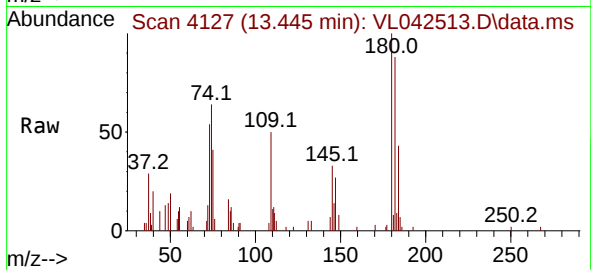
Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.45



Tgt Ion	Ratio	Lower	Upper
180	100		
182	113.4	74.6	111.8
184	39.7	24.9	37.3

Manual Integrations

APPROVED

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

