

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042726.D
 Acq On : 22 Jul 2025 10:38
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jul 23 01:31:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M

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

QLast Update : Wed Jul 23 01:27:20 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/23/2025
 Supervised By : Mahesh Dadoda 07/23/2025

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

Internal Standards						
1) Bromochloromethane	2.784	49	102092	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	307224	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	274930	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 223485 10.058 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	7850	0.493	ppbv	94
3) Chlorodifluoromethane	1.476	51	9466	0.525	ppbv	95
4) Chloromethane	1.531	50	3533	0.541	ppbv #	87
5) Vinyl Chloride	1.580	62	2904	0.450	ppbv	98
6) Bromomethane	1.667	94	1449	0.555	ppbv	90
7) Chloroethane	1.706	64	1367	0.558	ppbv #	86
8) Dichlorotetrafluoroethane	1.554	85	7062	0.525	ppbv	99
9) Propene	1.482	41	3284	0.512	ppbv #	78
10) Heptane	4.968	43	9259m	0.518	ppbv	
11) Trichlorofluoromethane	1.877	101	8580	0.523	ppbv	89
12) 1,1,2-Trichlorotrifluo...	2.140	101	7094	0.553	ppbv	98
13) Ethanol	1.719	45	738	0.715	ppbv #	43
14) Bromoethene	1.780	108	2451	0.536	ppbv #	93
15) Acetone	1.835	43	10023	0.586	ppbv	92
16) 1,3-Butadiene	1.609	39	3860	0.527	ppbv	88
17) tert-Butyl alcohol	2.039	59	9192	0.566	ppbv #	86
18) 1,1-Dichloroethene	2.033	96	2921	0.535	ppbv	88
19) Isopropyl Alcohol	1.884	45	5028	0.555	ppbv #	44
20) Methylene Chloride	2.062	84	3449	0.642	ppbv #	88
21) Allyl Chloride	2.094	41	6018	0.549	ppbv	86
22) trans-1,2-Dichloroethene	2.343	96	3473m	0.553	ppbv	
23) Vinyl Acetate	2.460	43	10439	0.536	ppbv #	92
24) 1,1-Dichloroethane	2.408	63	6804	0.543	ppbv	96
25) Ethyl Acetate	2.835	43	15850	0.502	ppbv	96
26) Hexane	2.822	57	6804	0.492	ppbv	86
27) Carbon Disulfide	2.149	76	7702	0.521	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	4207	0.523	ppbv #	89
29) Chloroform	2.845	83	12038	0.527	ppbv #	81
30) Cyclohexane	3.855	84	6181m	0.512	ppbv	
31) cis-1,2-Dichloroethene	2.719	61	7924	0.532	ppbv	94
32) 1,1,1-Trichloroethane	3.366	97	12154	0.505	ppbv	97
34) 2-Butanone	2.557	43	11532	0.545	ppbv	99
35) Carbon Tetrachloride	3.761	117	11388	0.452	ppbv	89
36) Benzene	3.651	78	14937	0.523	ppbv	97
37) 1,2-Dichloroethane	3.214	62	9142	0.502	ppbv #	93
38) Trichloroethene	4.551	130	7407m	0.533	ppbv	
39) 1,2-Dichloropropane	4.311	63	6104m	0.574	ppbv	
40) 1,4-Dioxane	4.599	88	2675m	0.546	ppbv	
41) Tetrahydrofuran	3.062	42	5442m	0.503	ppbv	
42) Bromodichloromethane	4.489	83	11526m	0.484	ppbv	
43) Methyl Methacrylate	4.881	69	5128m	0.468	ppbv	
44) 2,2,4-Trimethylpentane	4.635	57	23243	0.494	ppbv	93
45) t-1,3-Dichloropropene	6.405	75	6564m	0.488	ppbv	

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 01:31:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M

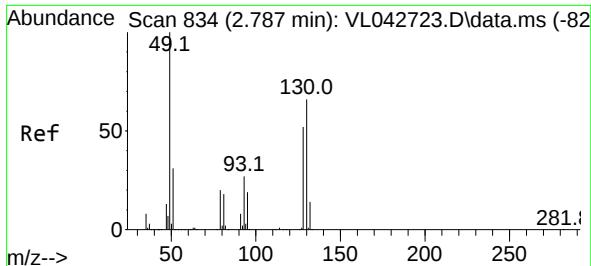
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Jul 23 01:27:20 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	7623m	0.477	ppbv	
47) 1,1,2-Trichloroethane	6.574	97	6119m	0.526	ppbv	
48) Dibromochloromethane	7.386	129	9290	0.480	ppbv	98
49) Bromoform	9.480	173	7586	0.452	ppbv	95
50) 4-Methyl-2-Pentanone	5.765	43	13814m	0.496	ppbv	
51) 2-Hexanone	7.448	43	10224m	0.459	ppbv	
52) Tetrachloroethene	8.221	164	5979m	0.520	ppbv	
53) Toluene	6.930	91	15909	0.494	ppbv	96
54) 1,2-Dibromoethane	7.648	107	8399m	0.483	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.920	131	7996m	0.540	ppbv	
57) Chlorobenzene	8.917	112	13546m	0.517	ppbv	
58) Ethyl Benzene	9.354	91	22417	0.488	ppbv	97
59) m/p-Xylene	9.529	91	35955m	0.977	ppbv	
60) o-Xylene	9.959	91	18428	0.497	ppbv	97
61) Styrene	9.869	104	7386	0.462	ppbv	91
62) Isopropylbenzene	10.539	105	27939	0.507	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.959	83	11062	0.522	ppbv	99
64) n-propylbenzene	10.989	120	6928	0.498	ppbv	97
65) tert-Butylbenzene	11.529	119	24755	0.502	ppbv	98
66) Benzyl Chloride	11.616	91	1889m	0.403	ppbv	
67) sec-Butylbenzene	11.765	105	33880	0.500	ppbv	100
69) p-Isopropyltoluene	11.924	119	26183	0.461	ppbv	96
70) n-Butylbenzene	12.280	91	23607	0.435	ppbv	96
71) 2-Chlorotoluene	10.901	91	20494	0.490	ppbv	93
72) 4-Ethyltoluene	11.124	105	20910	0.473	ppbv	97
73) 1,3,5-Trimethylbenzene	11.202	105	16638	0.455	ppbv	95
74) 1,2,4-Trimethylbenzene	11.532	105	19202	0.478	ppbv #	93
75) 1,3-Dichlorobenzene	11.603	146	13841	0.516	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	12275	0.473	ppbv	91
77) 1,2-Dichlorobenzene	11.947	146	13083	0.508	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	13316	0.532	ppbv	95
79) Naphthalene	13.513	128	9818	0.328	ppbv	99
80) Naphthalene,2-methyl-	14.465	142	733m	0.074	ppbv	
81) 1,2,4-Trichlorobenzene	13.435	180	5425	0.296	ppbv	89

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



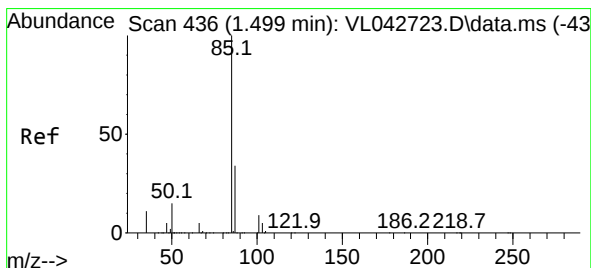
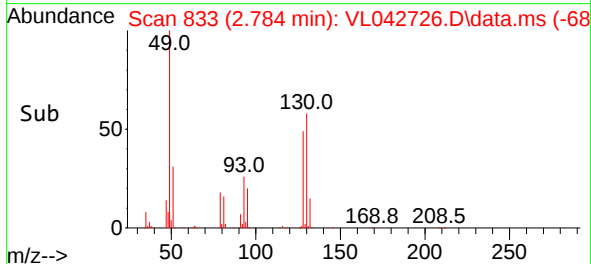
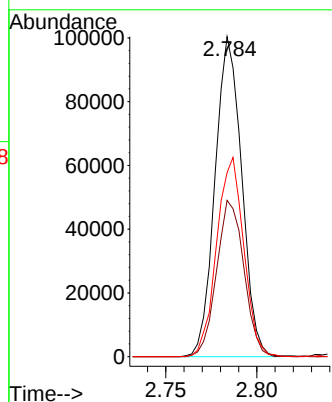
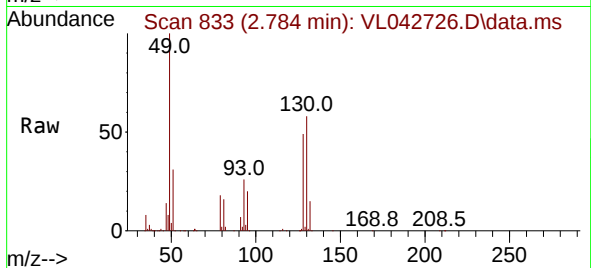
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 49 Resp: 102092
Ion Ratio Lower Upper
49 100
128 50.0 24.5 73.5
130 63.4 31.7 95.1

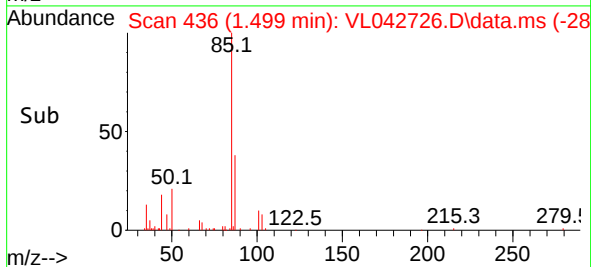
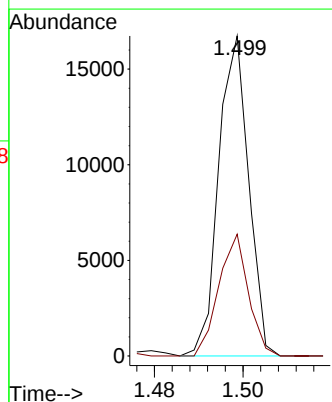
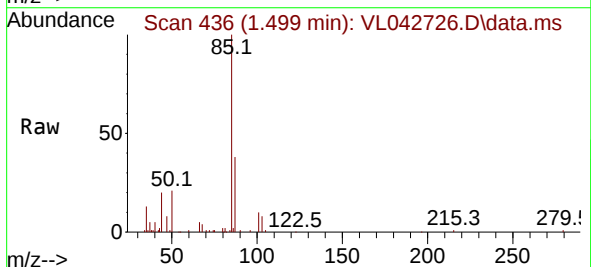
Manual Integrations
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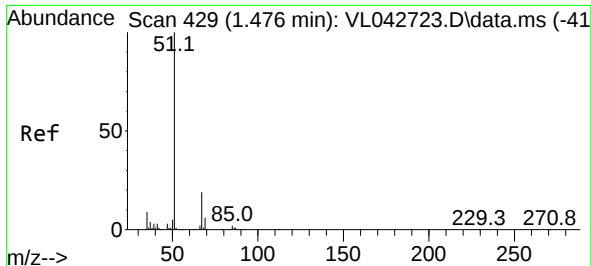
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#2
Dichlorodifluoromethane
Concen: 0.493 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

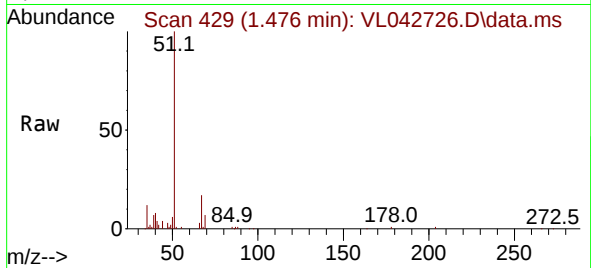
Tgt Ion: 85 Resp: 7850
Ion Ratio Lower Upper
85 100
87 38.0 27.5 41.3





#3
Chlorodifluoromethane
Concen: 0.525 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

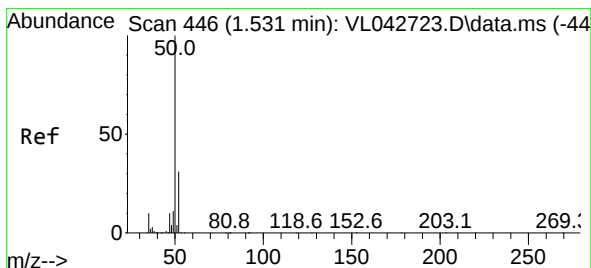
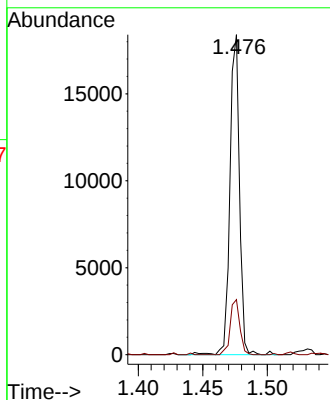
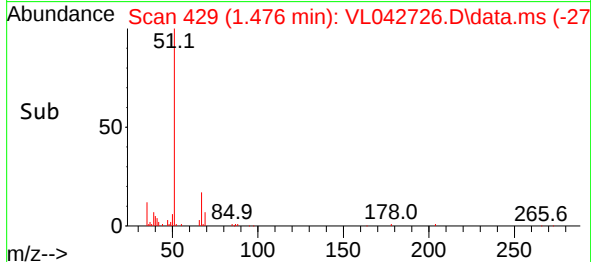
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



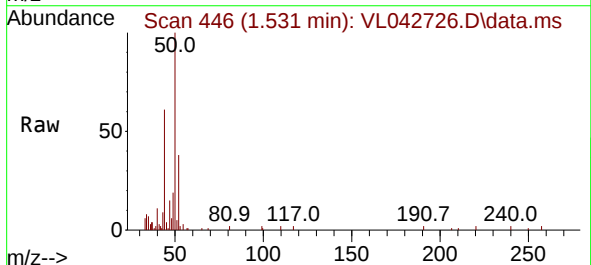
Tgt Ion: 51 Resp: 9460
Ion Ratio Lower Upper
51 100
67 17.7 16.0 24.0

Manual Integrations
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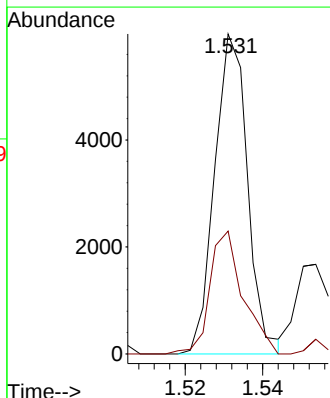
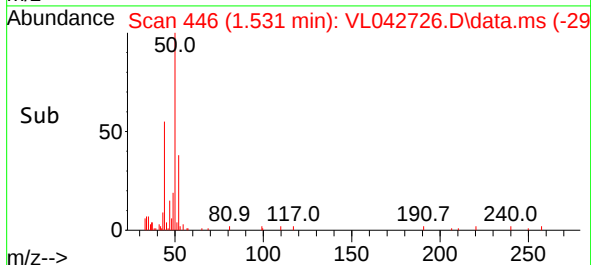
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

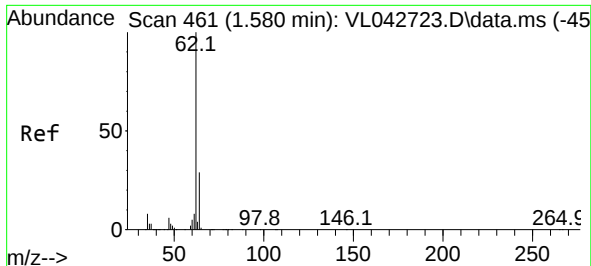


#4
Chloromethane
Concen: 0.541 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38



Tgt Ion: 50 Resp: 3533
Ion Ratio Lower Upper
50 100
52 38.4 24.9 37.3#





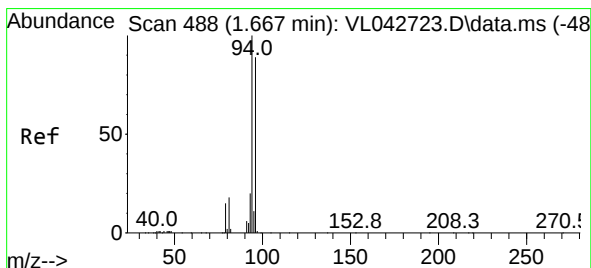
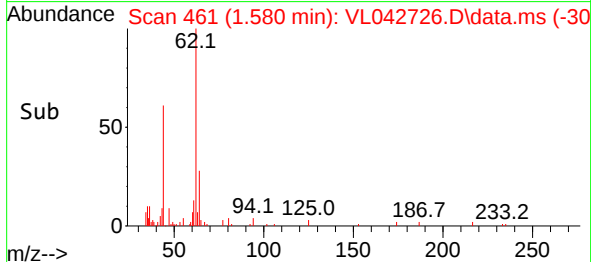
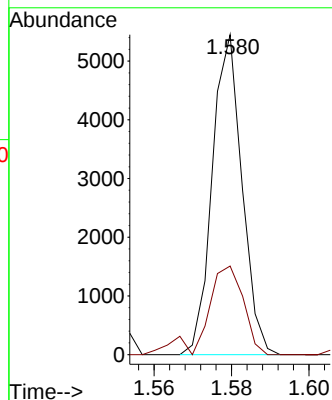
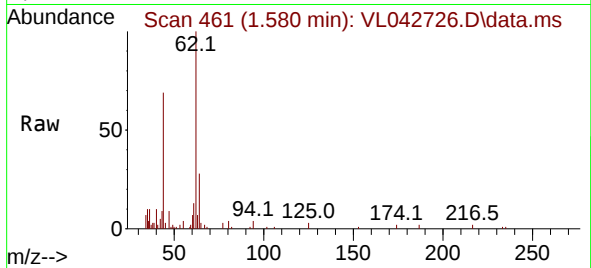
#5
 Vinyl Chloride
 Concen: 0.450 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042726.D
 Acq: 22 Jul 2025 10:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 62 Resp: 2904
 Ion Ratio Lower Upper
 62 100
 64 27.7 23.0 34.6

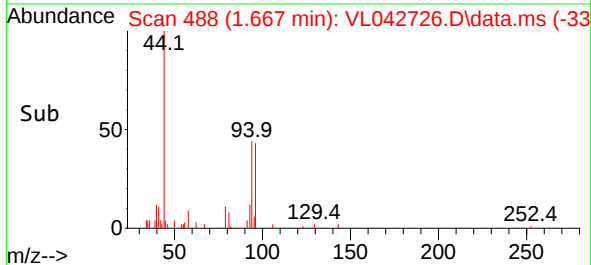
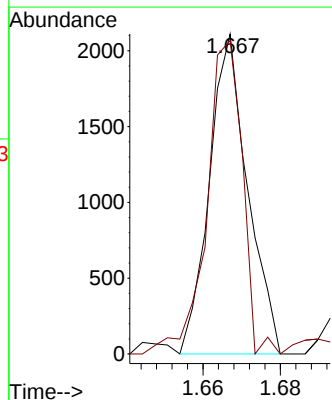
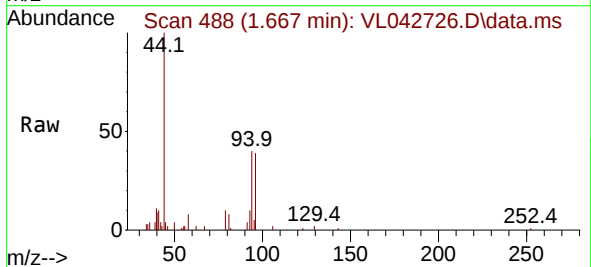
Manual Integrations
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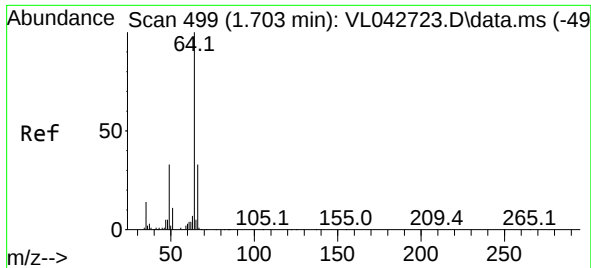
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#6
 Bromomethane
 Concen: 0.555 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042726.D
 Acq: 22 Jul 2025 10:38

Tgt Ion: 94 Resp: 1449
 Ion Ratio Lower Upper
 94 100
 96 98.0 71.1 106.7





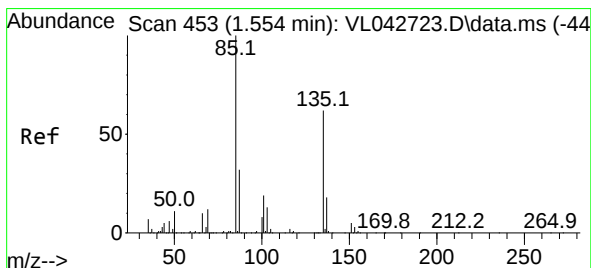
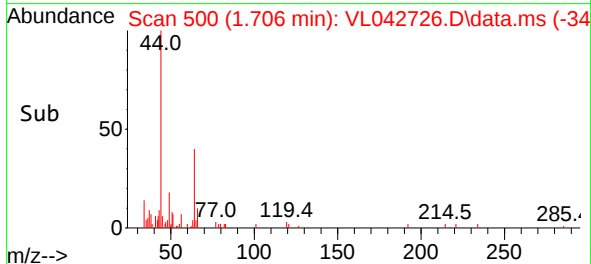
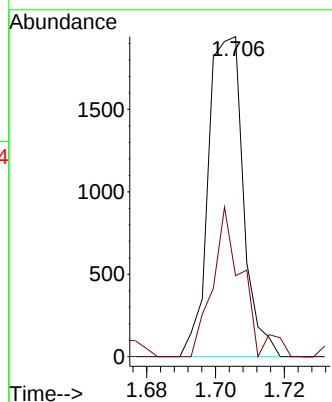
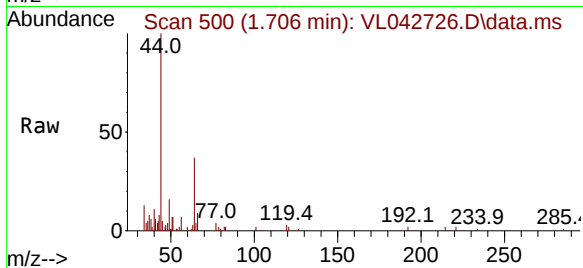
#7
Chloroethane
Concen: 0.558 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 64 Resp: 136
Ion Ratio Lower Upper
64 100
66 25.3 26.4 39.6

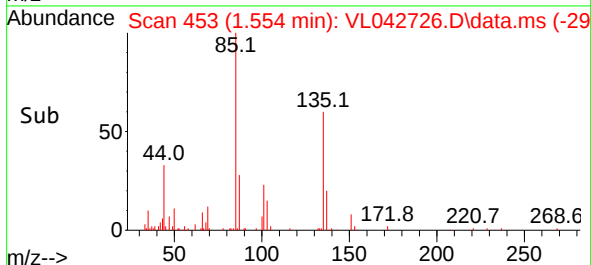
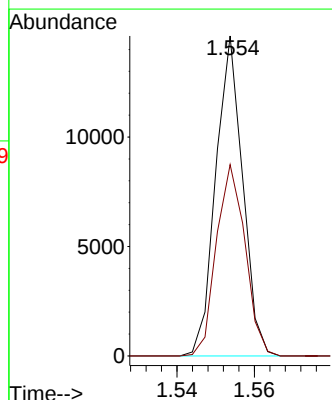
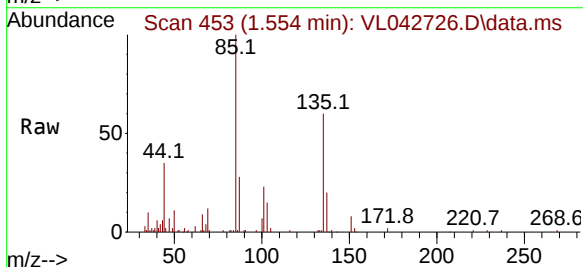
Manual Integrations
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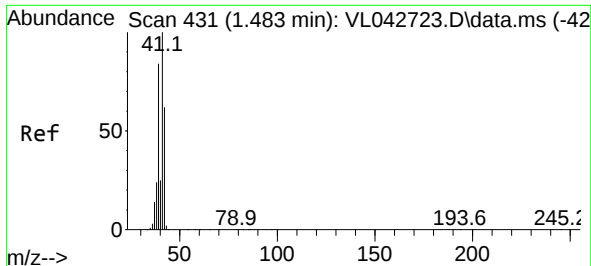
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#8
Dichlorotetrafluoroethane
Concen: 0.525 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

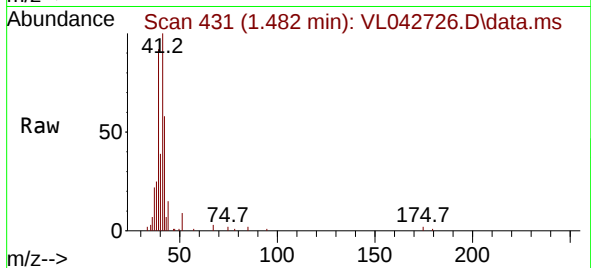
Tgt Ion: 85 Resp: 7062
Ion Ratio Lower Upper
85 100
135 63.9 52.0 78.0





#9
Propene
Concen: 0.512 ppbv
RT: 1.482 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

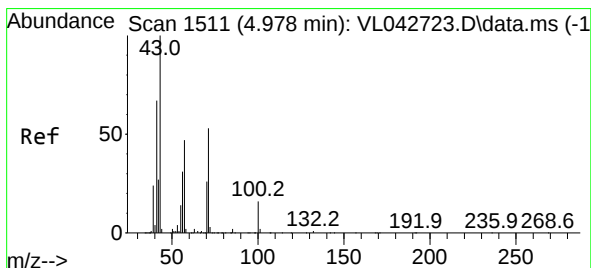
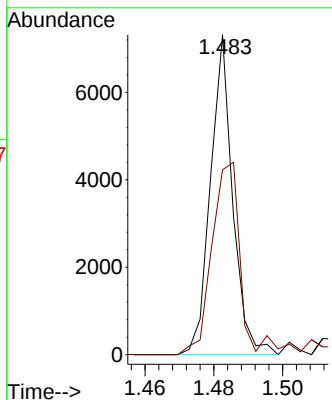
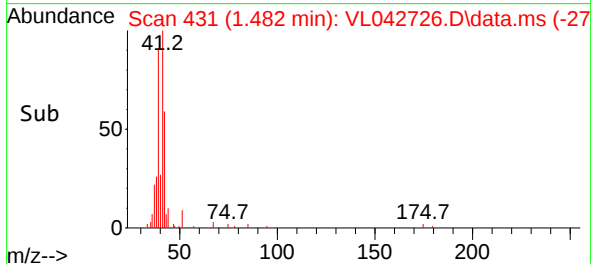
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 41 Resp: 3284
Ion Ratio Lower Upper
41 100
42 82.3 52.0 78.0

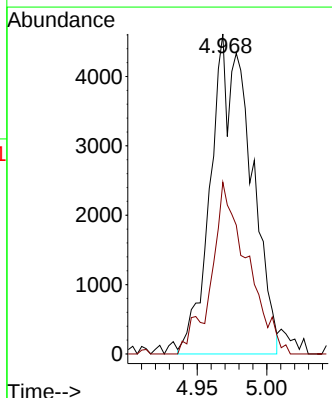
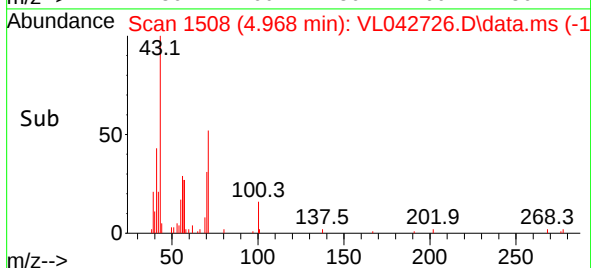
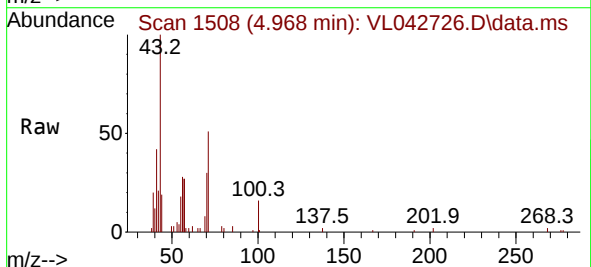
Manual Integrations
APPROVED

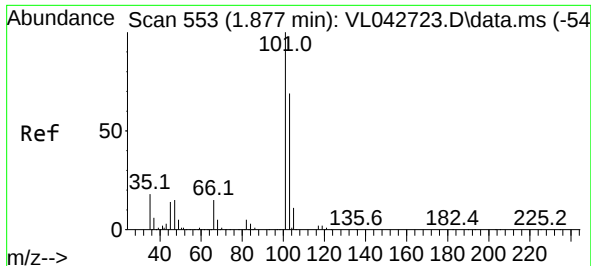
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#10
Heptane
Concen: 0.518 ppbv m
RT: 4.968 min Scan# 1508
Delta R.T. -0.010 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

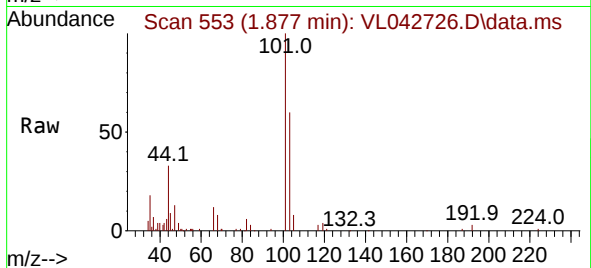
Tgt Ion: 43 Resp: 9259
Ion Ratio Lower Upper
43 100
57 48.3 39.1 58.7





#11
 Trichlorofluoromethane
 Concen: 0.523 ppbv
 RT: 1.877 min Scan# 553
 Delta R.T. -0.000 min
 Lab File: VL042726.D
 Acq: 22 Jul 2025 10:38

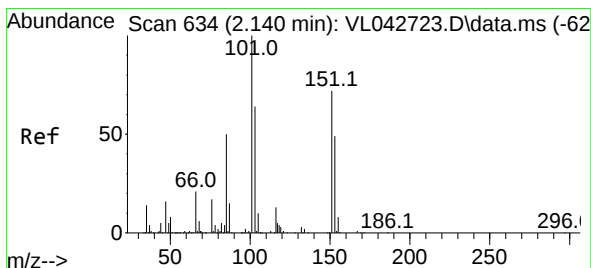
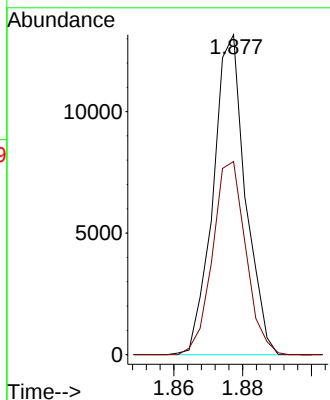
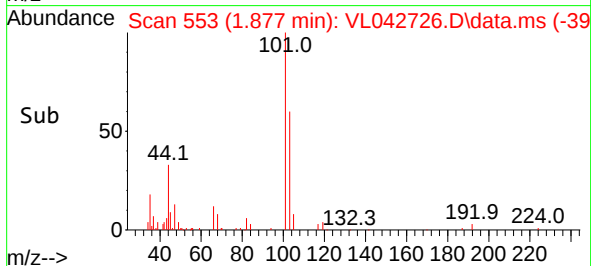
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



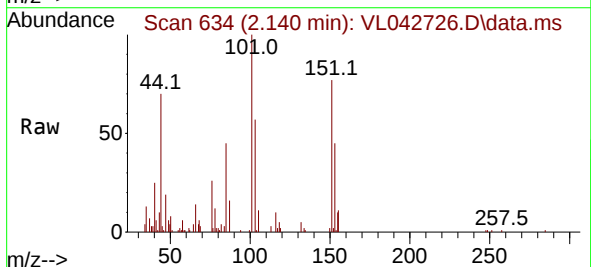
Tgt Ion:101 Resp: 8580
 Ion Ratio Lower Upper
 101 100
 103 60.4 55.2 82.8

Manual Integrations
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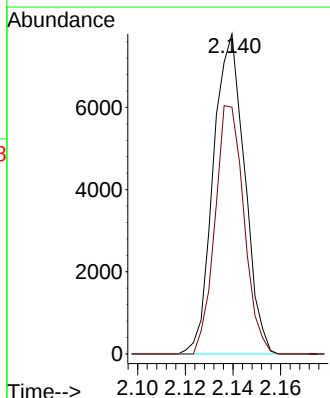
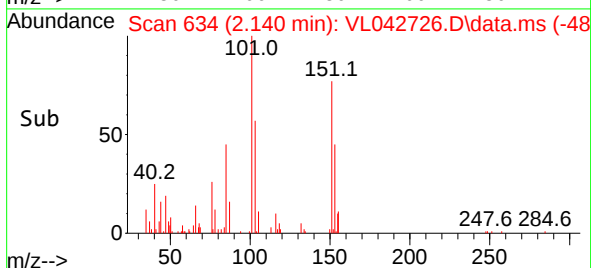
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

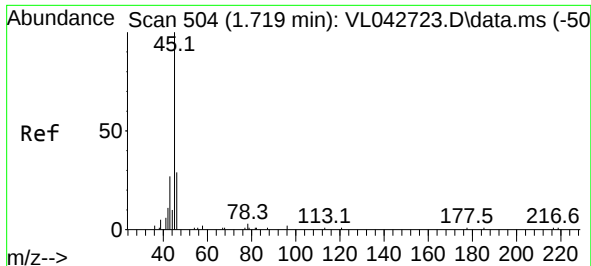


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.553 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.000 min
 Lab File: VL042726.D
 Acq: 22 Jul 2025 10:38



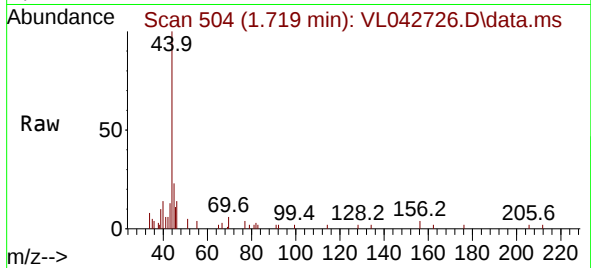
Tgt Ion:101 Resp: 7094
 Ion Ratio Lower Upper
 101 100
 151 71.9 59.1 88.7





#13
Ethanol
Concen: 0.715 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

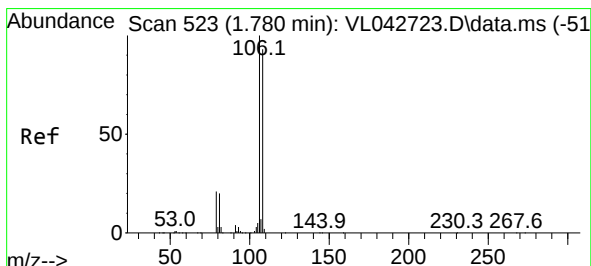
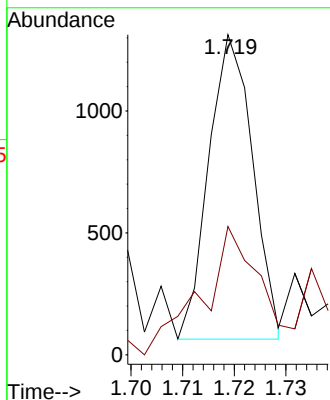
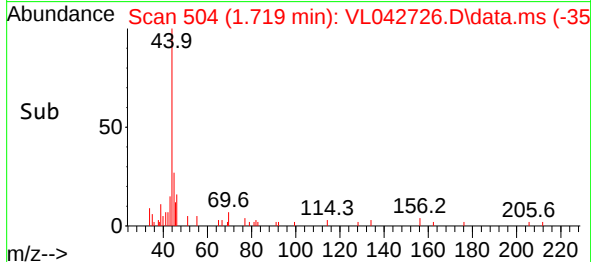
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



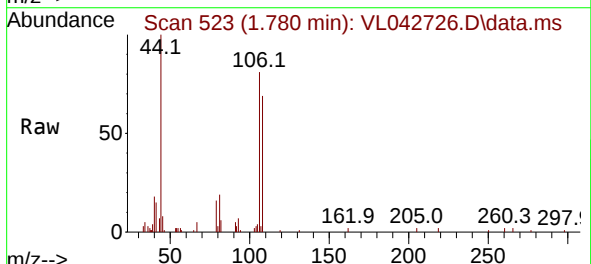
Tgt Ion: 45 Resp: 738
Ion Ratio Lower Upper
45 100
46 76.4 16.3 65.1

Manual Integrations
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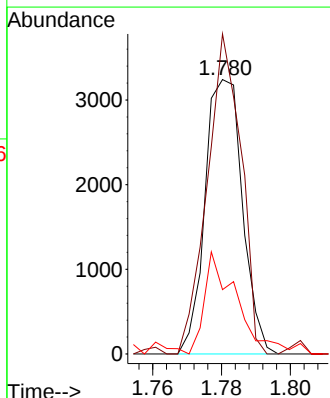
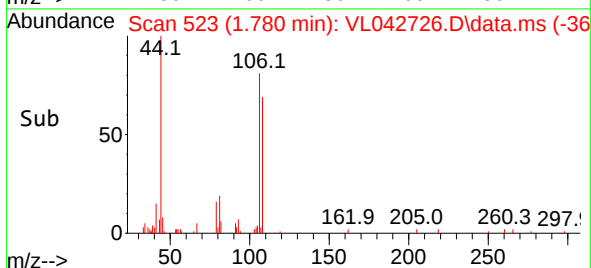
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

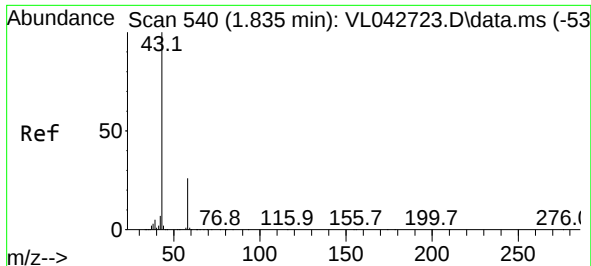


#14
Bromoethene
Concen: 0.536 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38



Tgt Ion:108 Resp: 2451
Ion Ratio Lower Upper
108 100
106 108.6 85.4 128.0
79 36.3 17.4 26.2





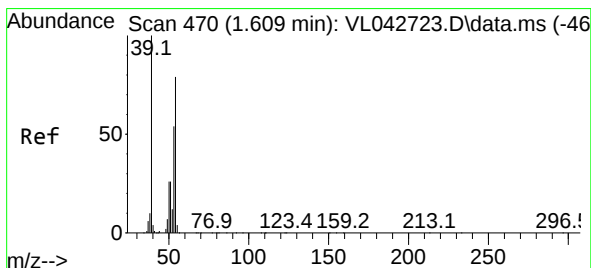
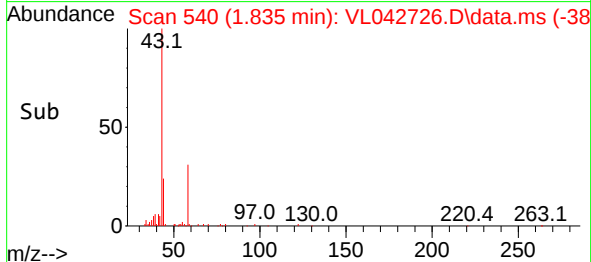
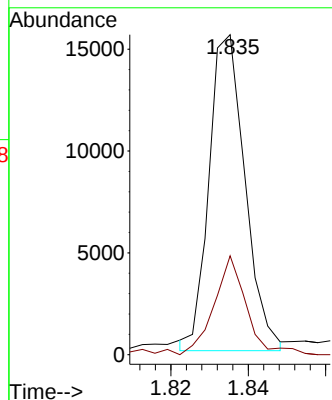
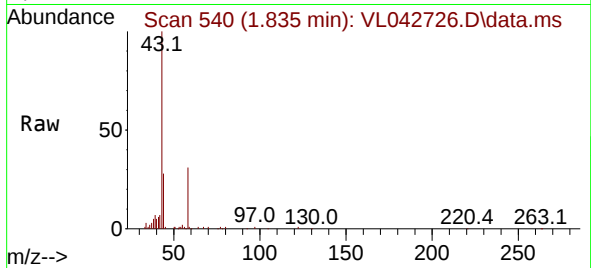
#15
Acetone
Concen: 0.586 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 1002
Ion Ratio Lower Upper
43 100
58 29.4 20.5 30.7

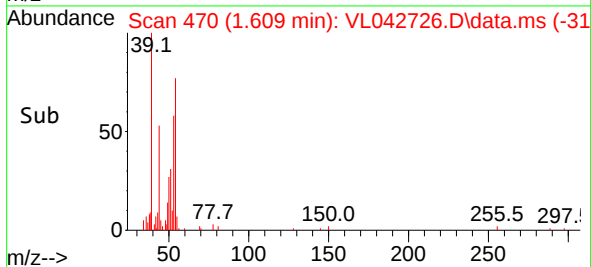
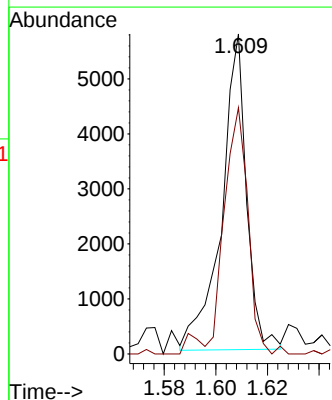
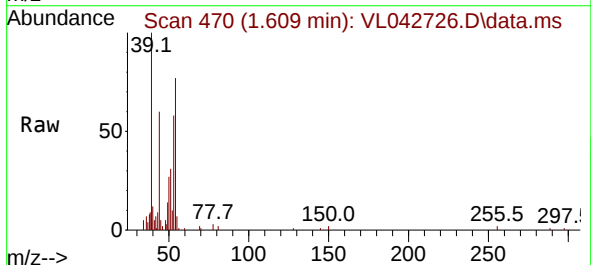
Manual Integrations
APPROVED

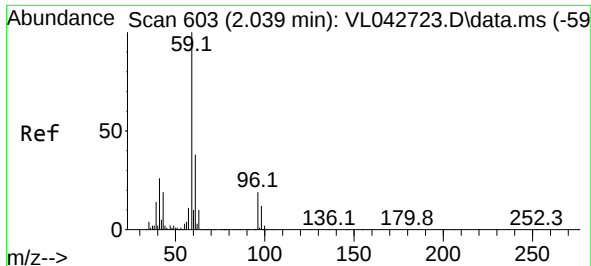
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#16
1,3-Butadiene
Concen: 0.527 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Tgt Ion: 39 Resp: 3860
Ion Ratio Lower Upper
39 100
54 77.7 54.6 82.0





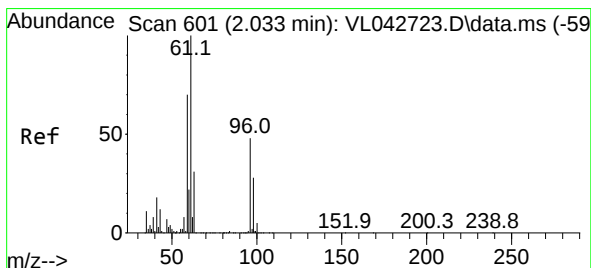
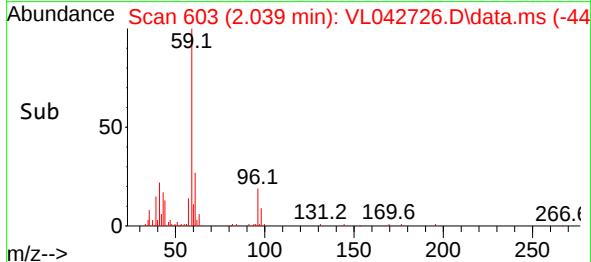
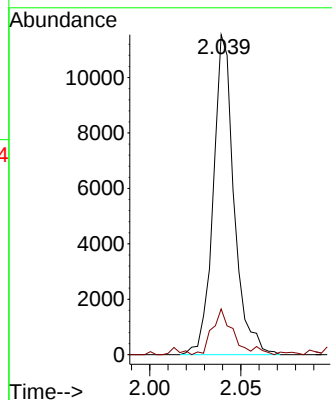
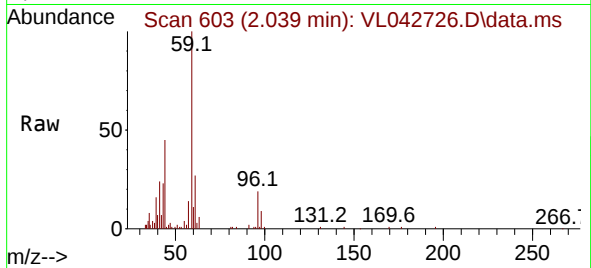
#17
tert-Butyl alcohol
Concen: 0.566 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 59 Resp: 9192
Ion Ratio Lower Upper
59 100
57 16.7 9.1 13.7

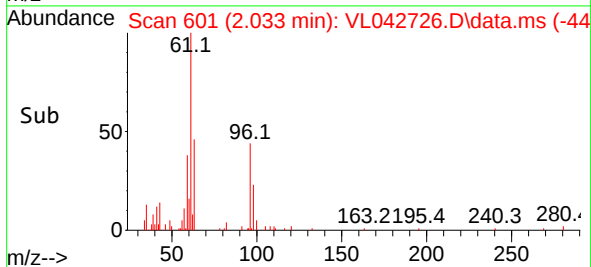
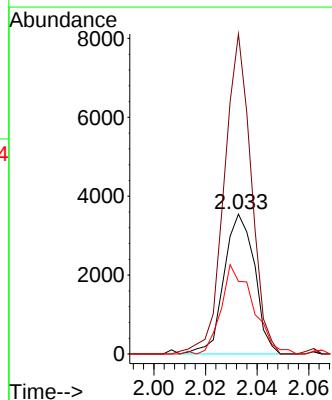
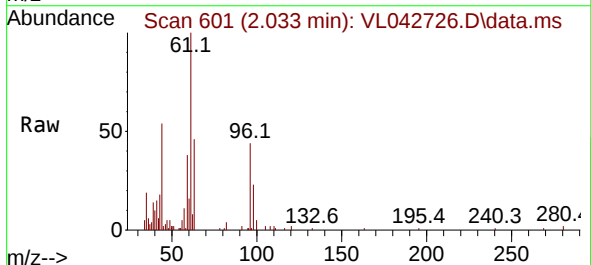
Manual Integrations
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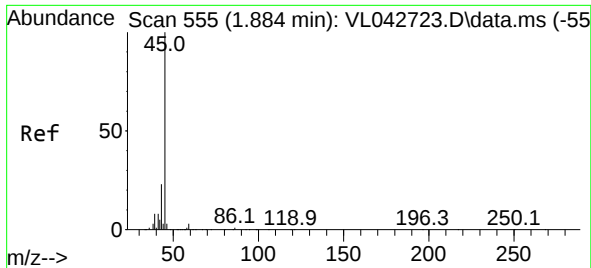
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#18
1,1-Dichloroethene
Concen: 0.535 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Tgt Ion: 96 Resp: 2921
Ion Ratio Lower Upper
96 100
61 228.9 166.2 249.4
98 51.9 46.1 69.1





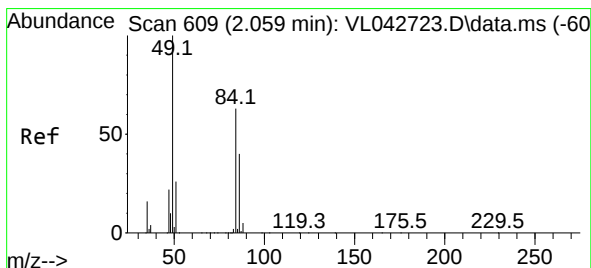
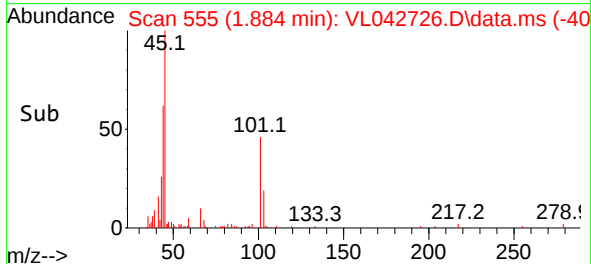
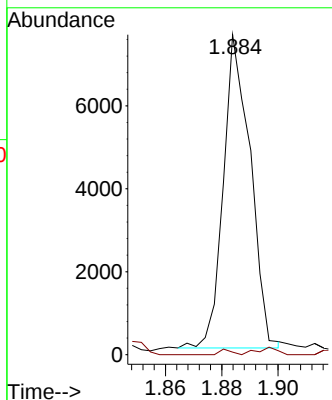
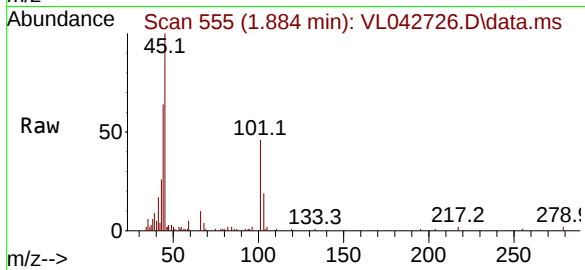
#19
Isopropyl Alcohol
Concen: 0.555 ppbv
RT: 1.884 min Scan# 510
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 5028
Ion Ratio Lower Upper
45 100
58 4.4 30.6 46.0

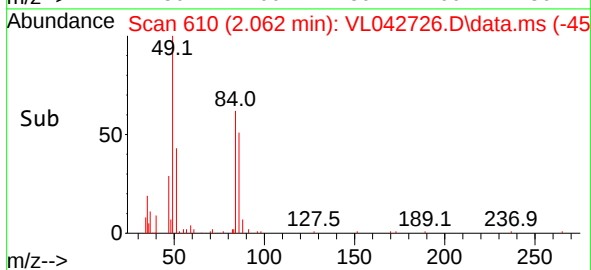
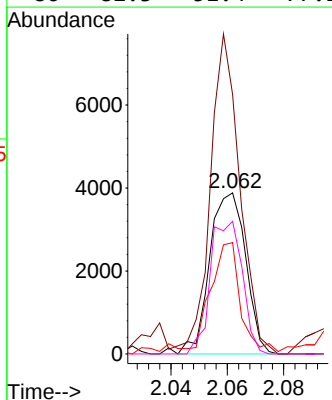
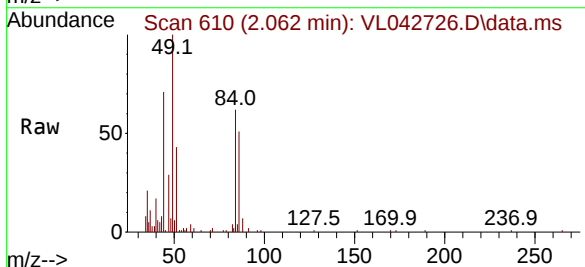
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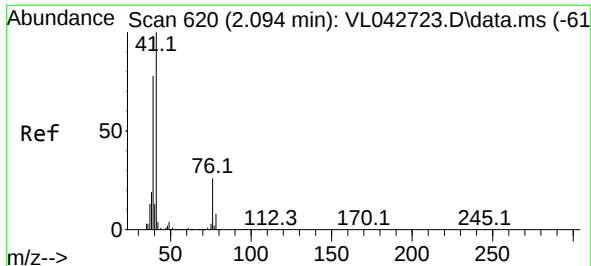
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#20
Methylene Chloride
Concen: 0.642 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Tgt Ion: 84 Resp: 3449
Ion Ratio Lower Upper
84 100
49 161.1 128.2 192.4
51 67.6 34.5 51.7#
86 82.3 51.4 77.2#





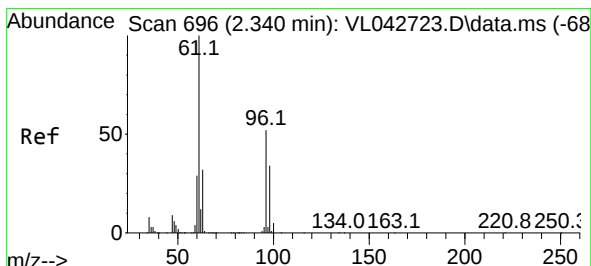
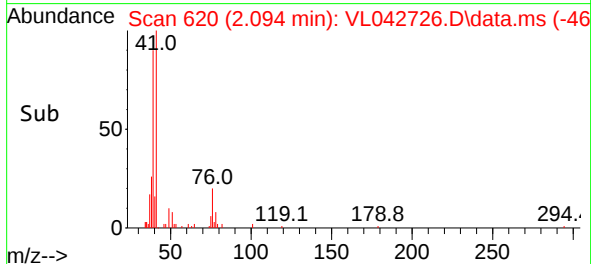
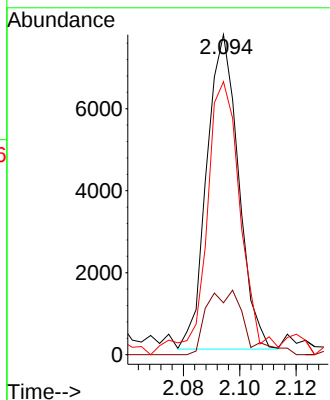
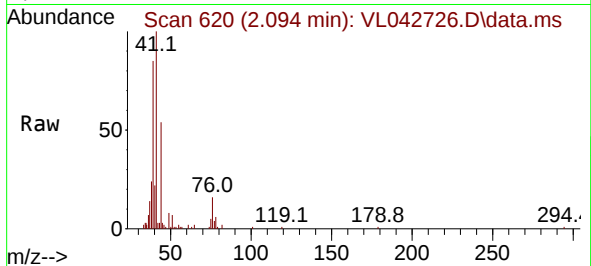
#21
 Allyl Chloride
 Concen: 0.549 ppbv
 RT: 2.094 min Scan# 618
 Delta R.T. -0.000 min
 Lab File: VL042726.D
 Acq: 22 Jul 2025 10:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 6018
 Ion Ratio Lower Upper
 41 100
 76 24.6 22.1 33.1
 39 96.4 64.7 97.1

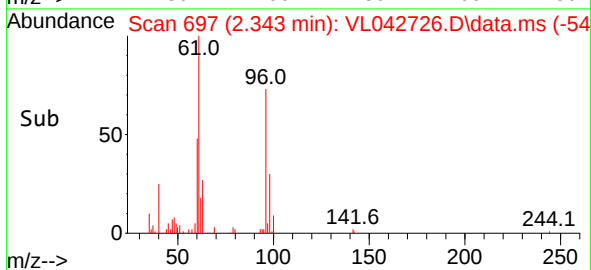
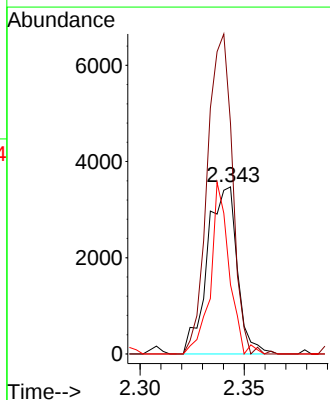
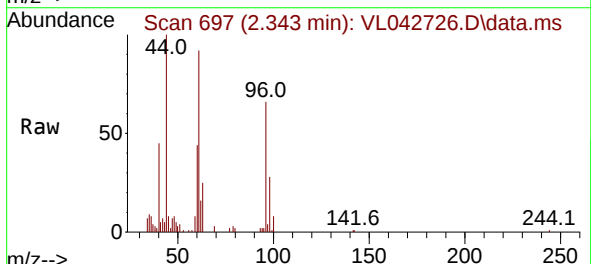
Manual Integrations
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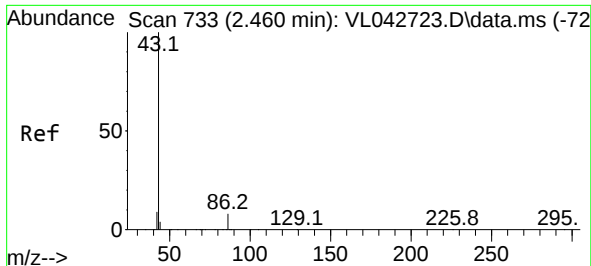
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.553 ppbv m
 RT: 2.343 min Scan# 697
 Delta R.T. 0.003 min
 Lab File: VL042726.D
 Acq: 22 Jul 2025 10:38

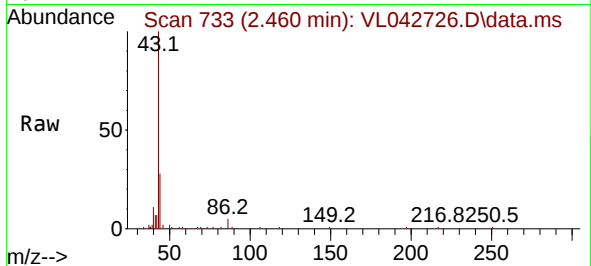
Tgt Ion: 96 Resp: 3473
 Ion Ratio Lower Upper
 96 100
 61 137.8 154.6 232.0#
 98 41.4 53.1 79.7#





#23
 Vinyl Acetate
 Concen: 0.536 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042726.D
 Acq: 22 Jul 2025 10:38

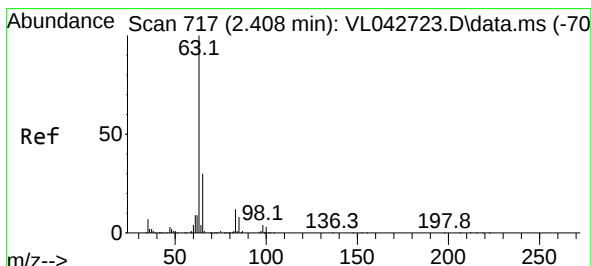
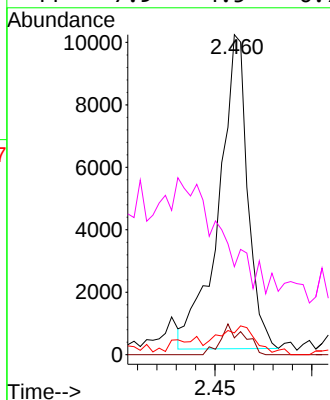
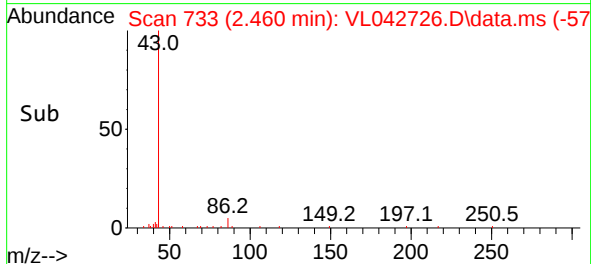
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 43 Resp: 10439
 Ion Ratio Lower Upper
 43 100
 86 5.4 5.7 8.5
 42 5.5 7.9 11.9
 44 7.9 4.5 6.7

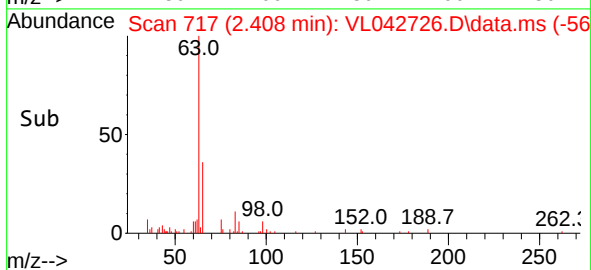
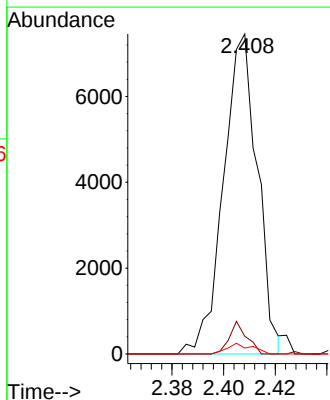
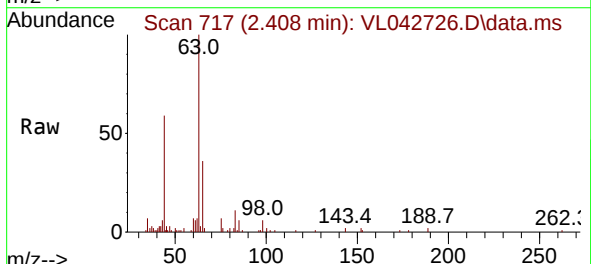
Manual Integrations
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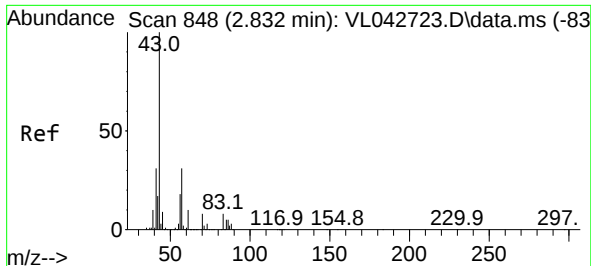
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#24
 1,1-Dichloroethane
 Concen: 0.543 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042726.D
 Acq: 22 Jul 2025 10:38

Tgt Ion: 63 Resp: 6804
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.0 5.8
 100 1.9 1.6 4.7





#25

Ethyl Acetate

Concen: 0.502 ppbv

RT: 2.835 min Scan# 84

Delta R.T. 0.003 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 15850

Ion Ratio Lower Upper

43 100

45 11.1 7.8 11.6

61 10.0 7.0 10.6

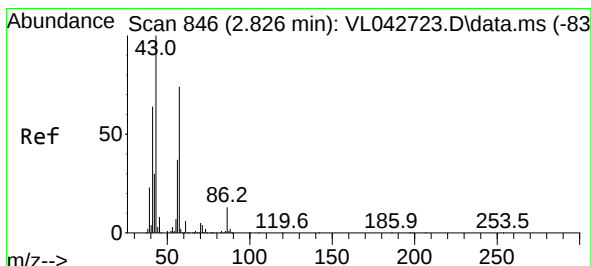
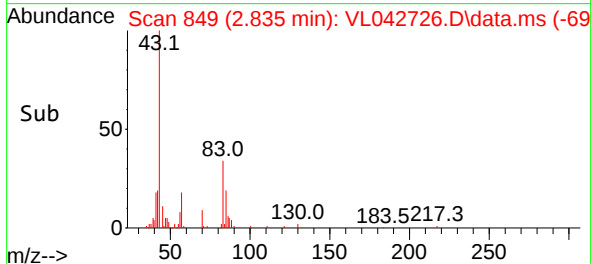
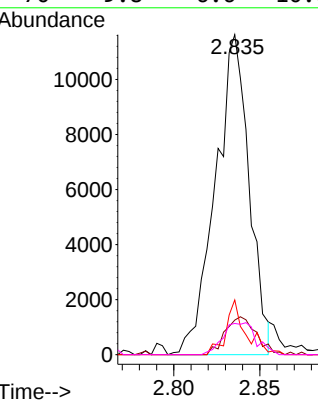
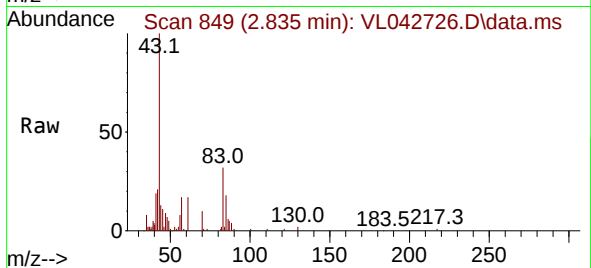
70 9.8 6.6 10.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#26

Hexane

Concen: 0.492 ppbv

RT: 2.822 min Scan# 845

Delta R.T. -0.003 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Tgt Ion: 57 Resp: 6804

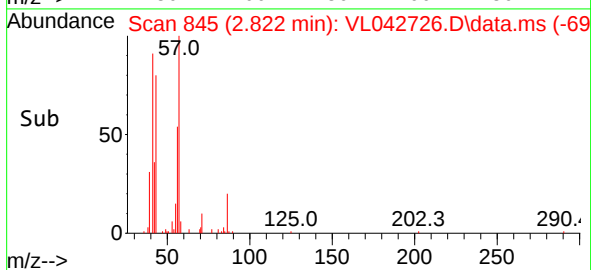
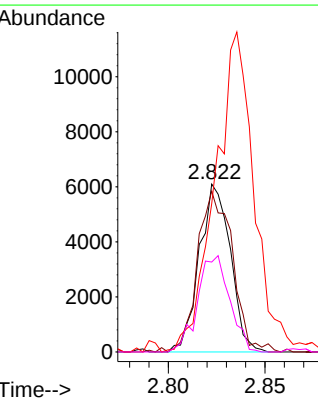
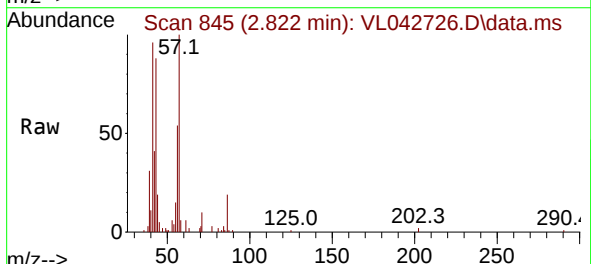
Ion Ratio Lower Upper

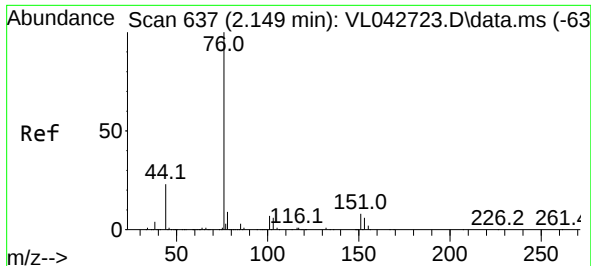
57 100

41 108.1 77.3 115.9

43 253.3 182.3 273.5

56 59.3 42.5 63.7





#27

Carbon Disulfide

Concen: 0.521 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Instrument :

MSVOA_L

ClientSampleId :

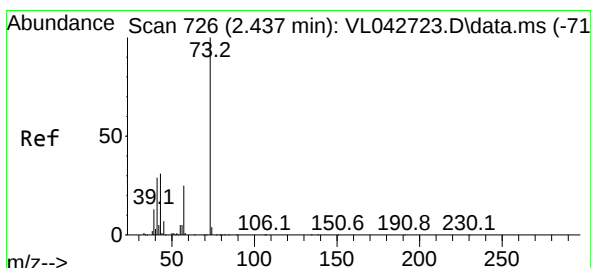
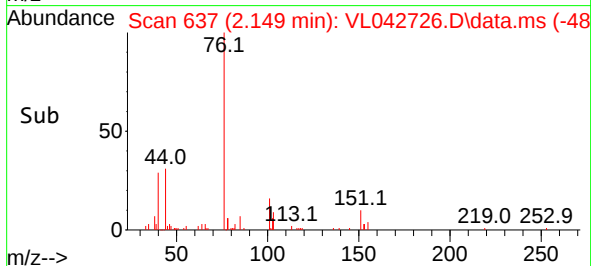
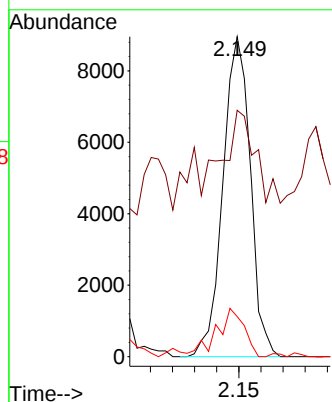
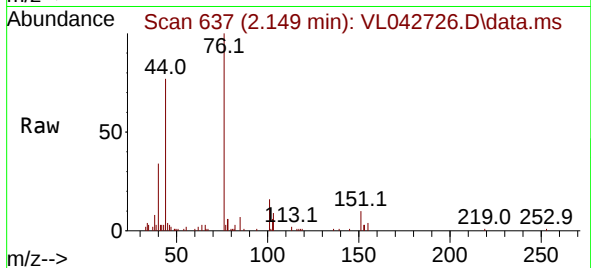
VSTDICC0.5

Tgt Ion: 76	Resp: 770
Ion Ratio	Lower Upper
76 100	
44 157.2	18.8 28.2
78 16.9	9.5 14.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#28

Methyl tert-Butyl Ether

Concen: 0.523 ppbv

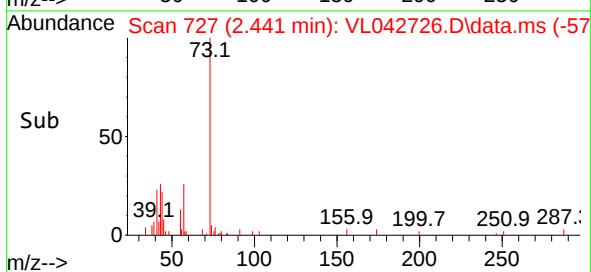
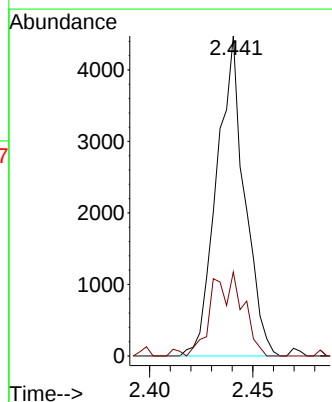
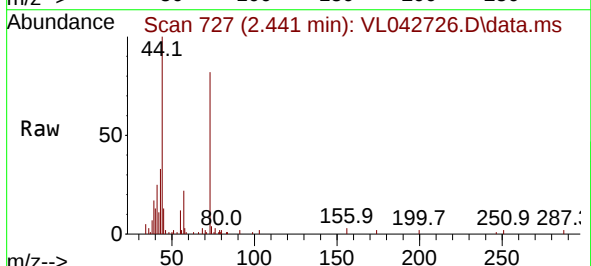
RT: 2.441 min Scan# 727

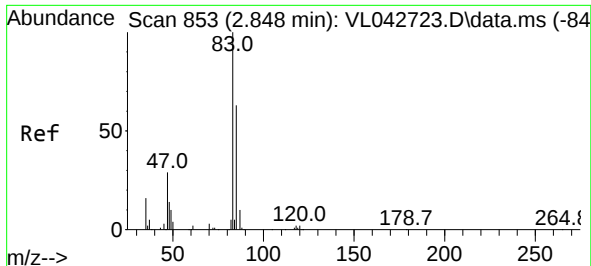
Delta R.T. 0.003 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Tgt Ion: 73	Resp: 4207
Ion Ratio	Lower Upper
73 100	
57 30.2	19.8 29.8





#29

Chloroform

Concen: 0.527 ppbv

RT: 2.845 min Scan# 85

Delta R.T. -0.003 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 12038

Ion Ratio Lower Upper

83 100

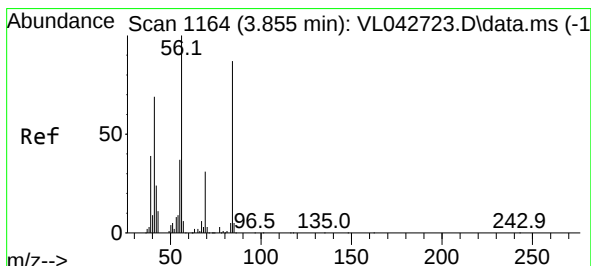
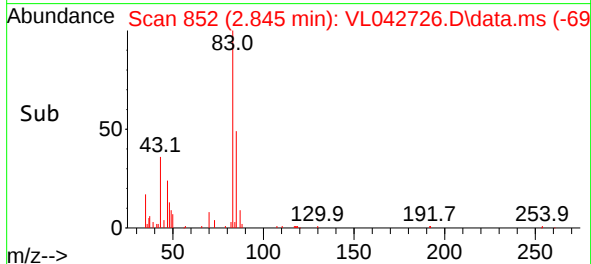
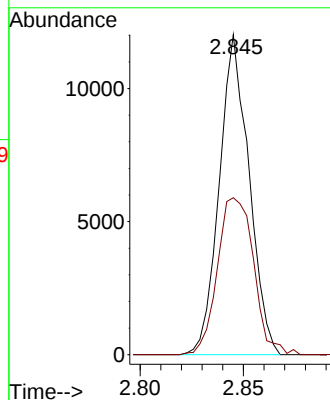
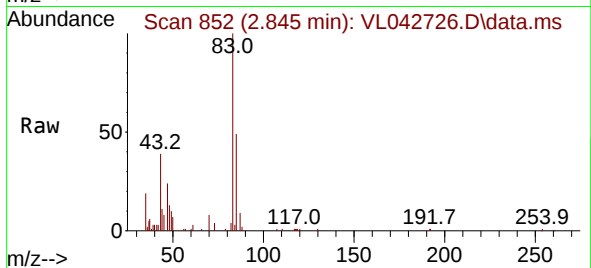
85 49.1 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#30

Cyclohexane

Concen: 0.512 ppbv m

RT: 3.855 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

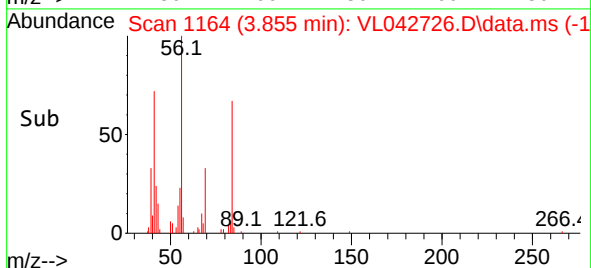
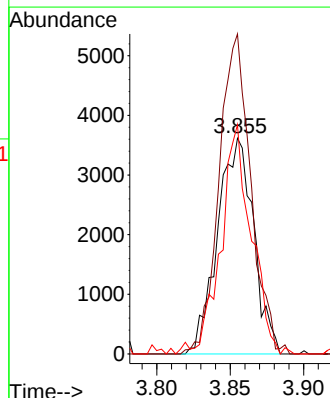
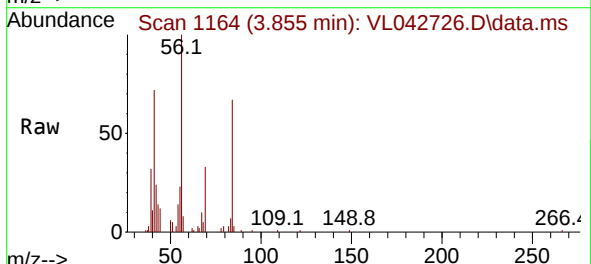
Tgt Ion: 84 Resp: 6181

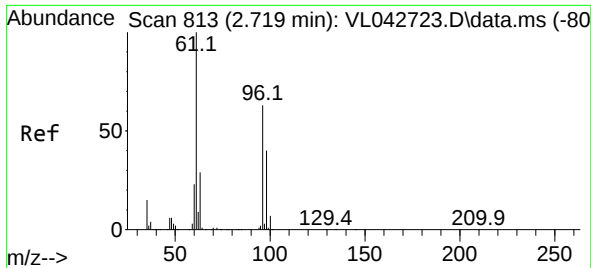
Ion Ratio Lower Upper

84 100

56 0.0 94.2 141.4#

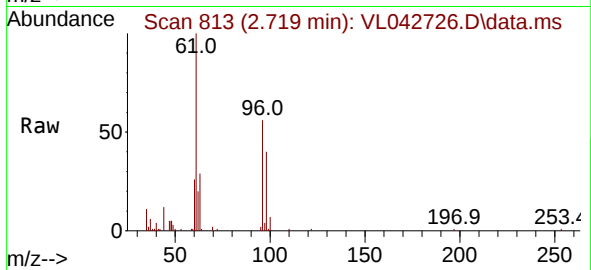
41 0.0 66.4 99.6#





#31
 cis-1,2-Dichloroethene
 Concen: 0.532 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: VL042726.D
 Acq: 22 Jul 2025 10:38

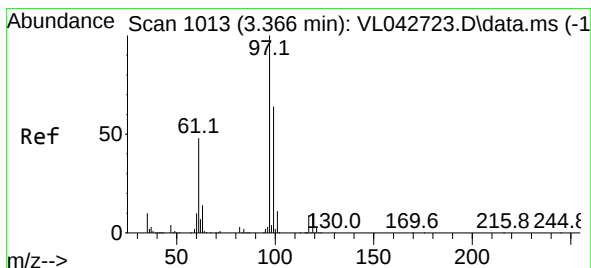
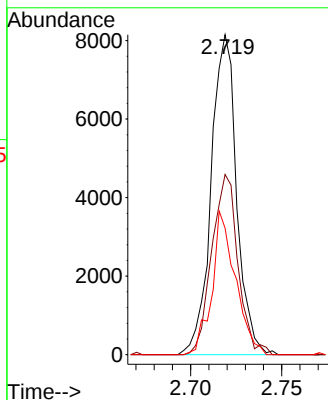
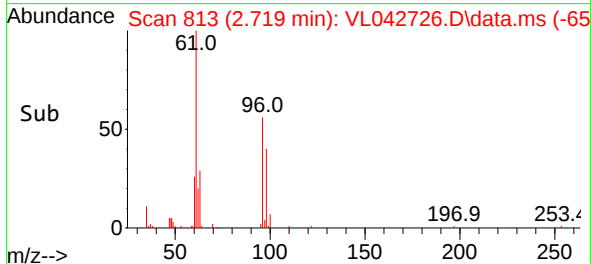
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



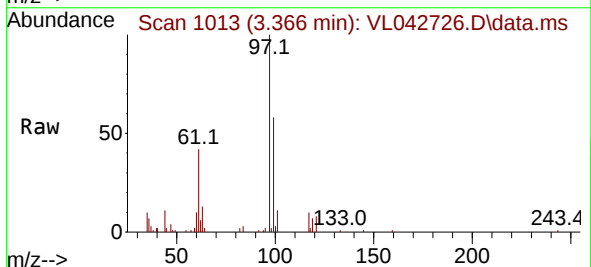
Tgt Ion: 61 Resp: 7924
 Ion Ratio Lower Upper
 61 100
 96 56.3 50.6 75.8
 98 39.5 32.2 48.2

Manual Integrations
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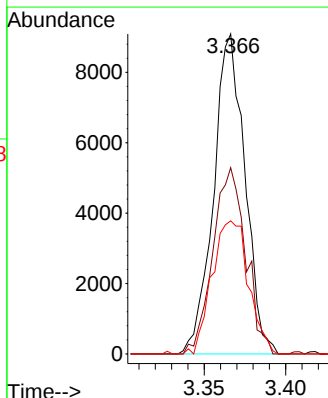
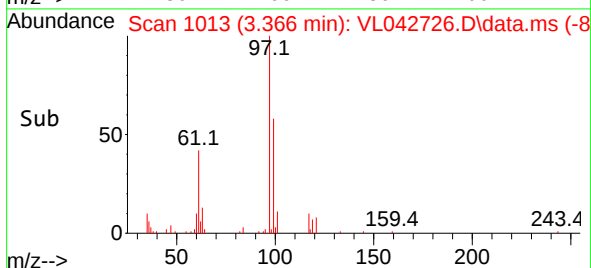
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

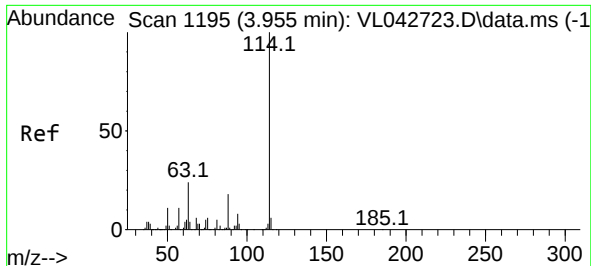


#32
 1,1,1-Trichloroethane
 Concen: 0.505 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.000 min
 Lab File: VL042726.D
 Acq: 22 Jul 2025 10:38



Tgt Ion: 97 Resp: 12154
 Ion Ratio Lower Upper
 97 100
 99 61.1 51.4 77.0
 61 48.5 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.003 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:114 Resp: 307224

Ion Ratio Lower Upper

114 100

63 26.3 20.4 30.6

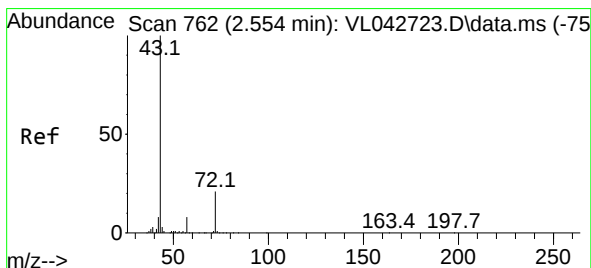
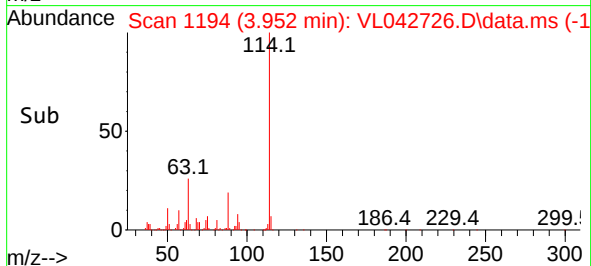
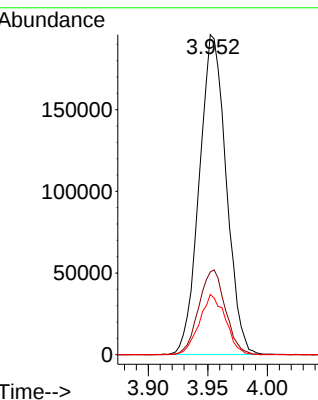
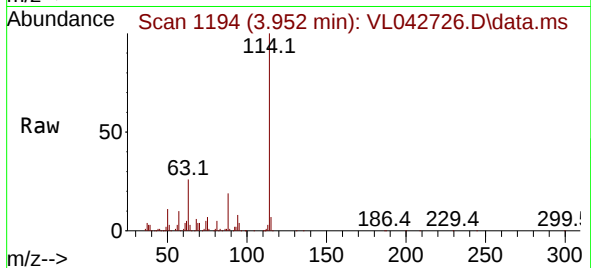
88 18.3 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#34

2-Butanone

Concen: 0.545 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.003 min

Lab File: VL042726.D

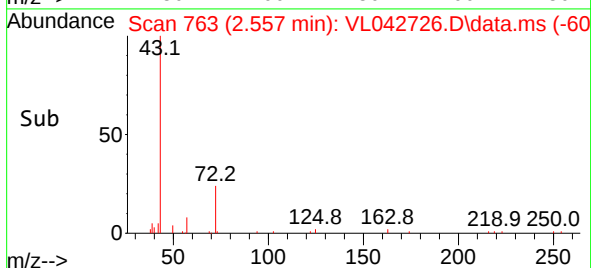
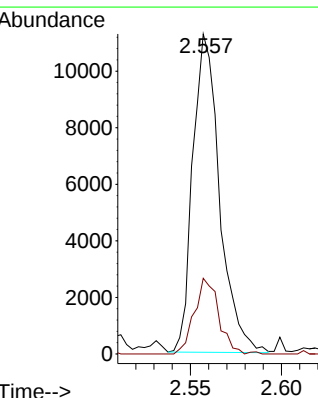
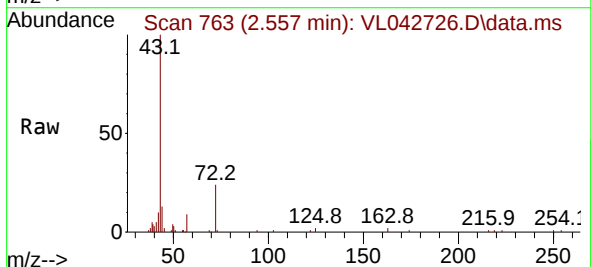
Acq: 22 Jul 2025 10:38

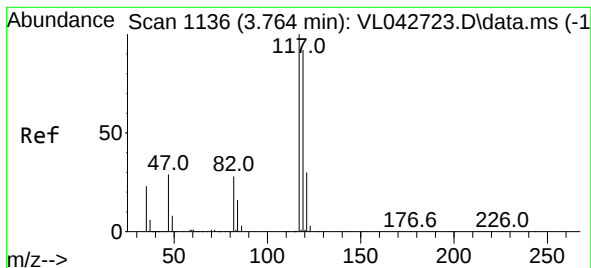
Tgt Ion: 43 Resp: 11532

Ion Ratio Lower Upper

43 100

72 21.7 17.0 25.6





#35

Carbon Tetrachloride

Concen: 0.452 ppbv

RT: 3.761 min Scan# 1136

Delta R.T. -0.003 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Instrument :

MSVOA_L

ClientSampleId :

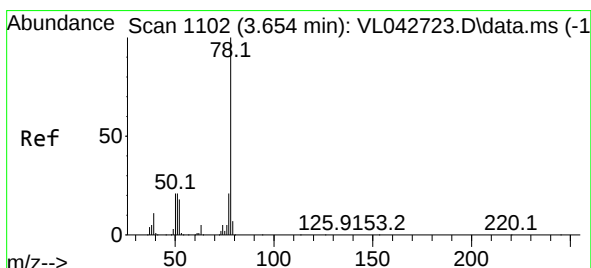
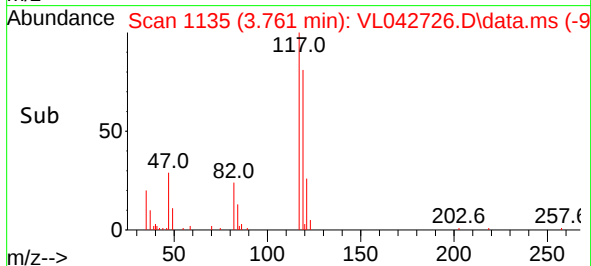
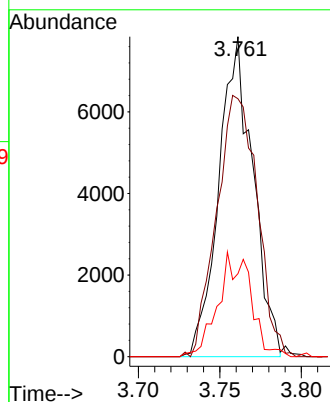
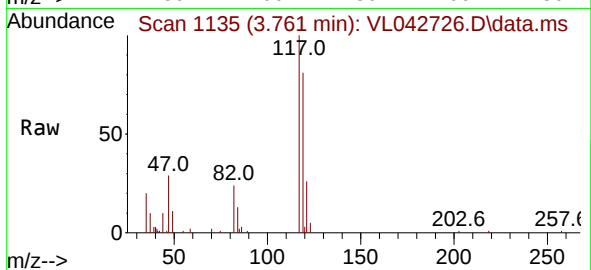
VSTDIC0.5

Tgt Ion:	117	Resp:	1138
Ion	Ratio	Lower	Upper
117	100		
119	80.6	73.7	110.5
121	26.0	23.8	35.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#36

Benzene

Concen: 0.523 ppbv

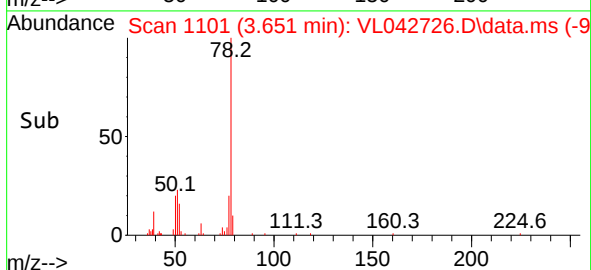
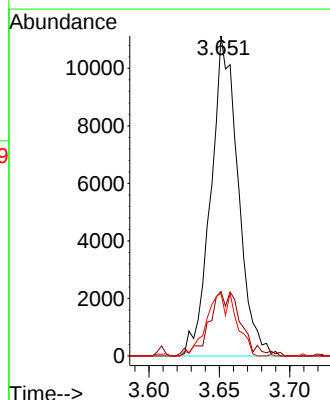
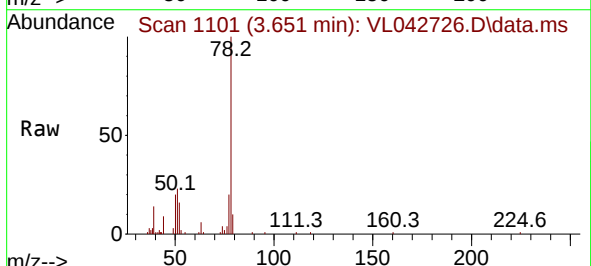
RT: 3.651 min Scan# 1101

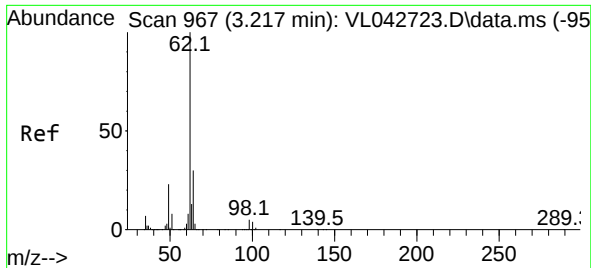
Delta R.T. -0.003 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Tgt Ion:	78	Resp:	14937
Ion	Ratio	Lower	Upper
78	100		
77	19.5	17.0	25.4
50	19.7	16.9	25.3





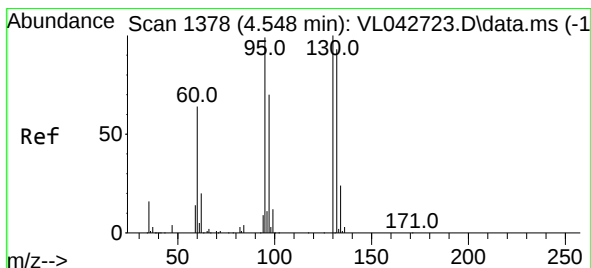
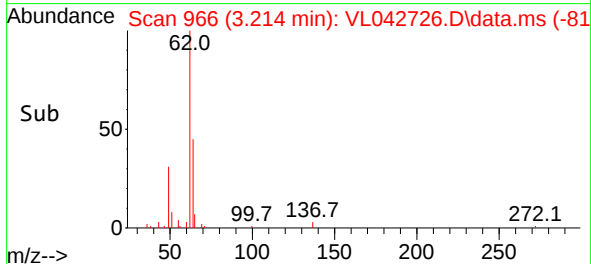
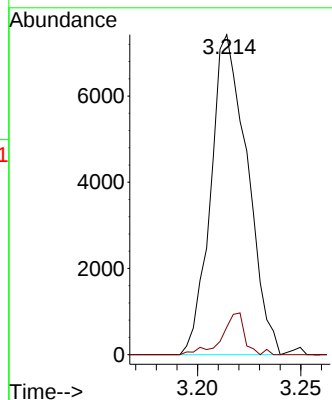
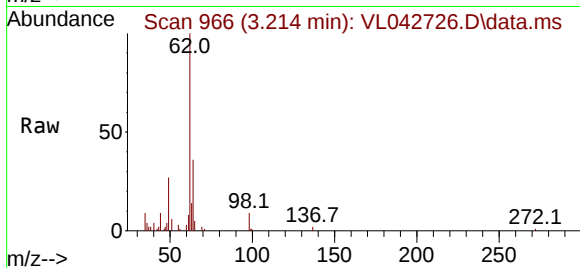
#37
1,2-Dichloroethane
Concen: 0.502 ppbv
RT: 3.214 min Scan# 914
Delta R.T. -0.003 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 62 Resp: 914
Ion Ratio Lower Upper
62 100
98 8.2 4.8 7.2

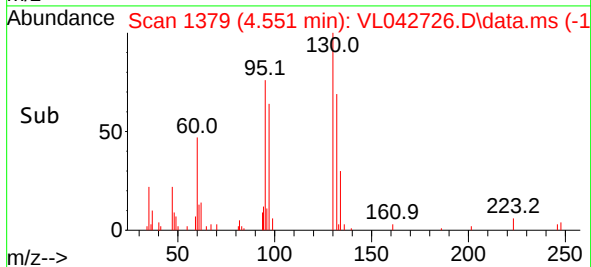
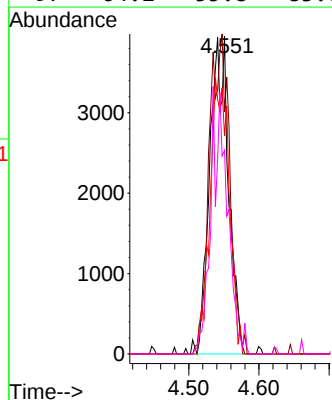
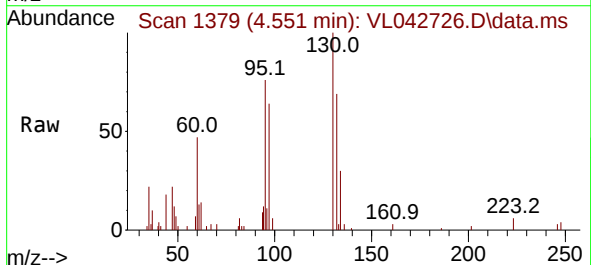
Manual Integrations
APPROVED

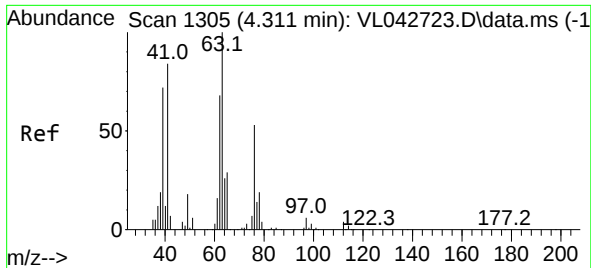
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#38
Trichloroethene
Concen: 0.533 ppbv m
RT: 4.551 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

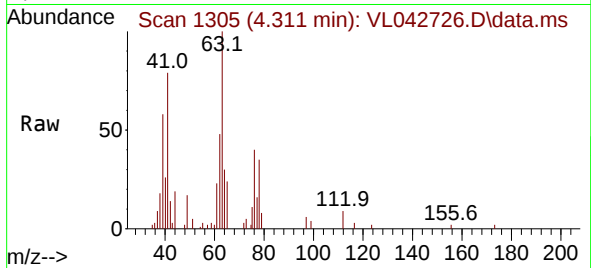
Tgt Ion:130 Resp: 7407
Ion Ratio Lower Upper
130 100
95 76.2 79.2 118.8#
132 68.7 74.1 111.1#
97 64.2 55.8 83.6





#39
1,2-Dichloropropane
Concen: 0.574 ppbv m
RT: 4.311 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

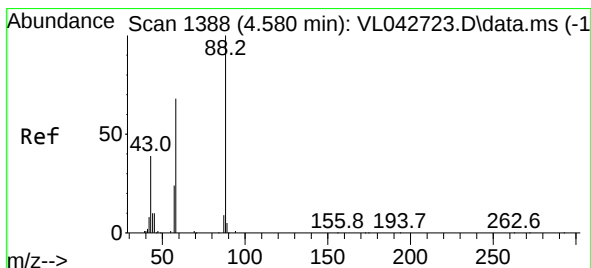
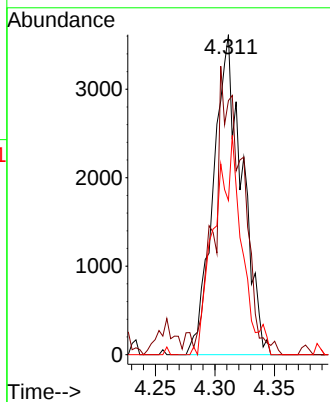
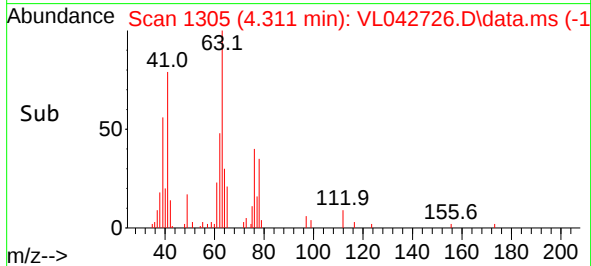
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



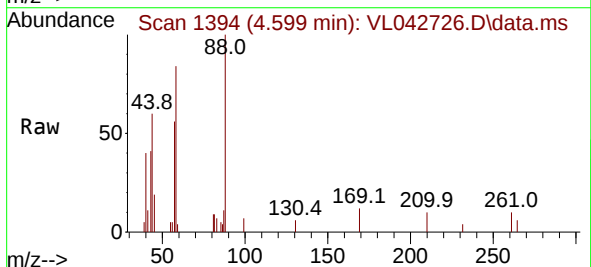
Tgt Ion: 63 Resp: 6104
Ion Ratio Lower Upper
63 100
41 79.4 67.7 101.5
62 48.2 54.1 81.1

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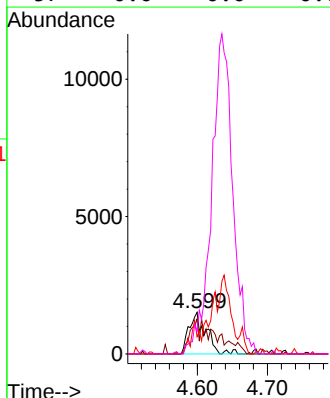
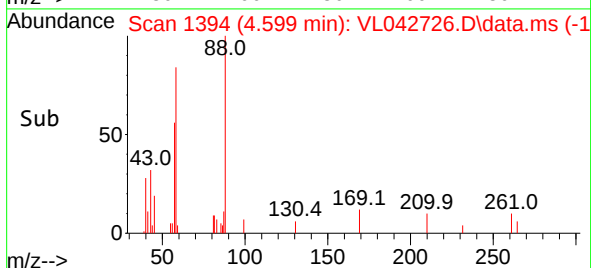
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

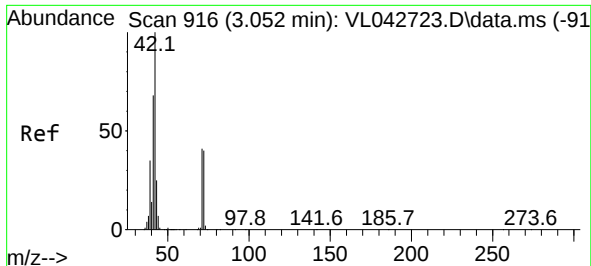


#40
1,4-Dioxane
Concen: 0.546 ppbv m
RT: 4.599 min Scan# 1394
Delta R.T. 0.019 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38



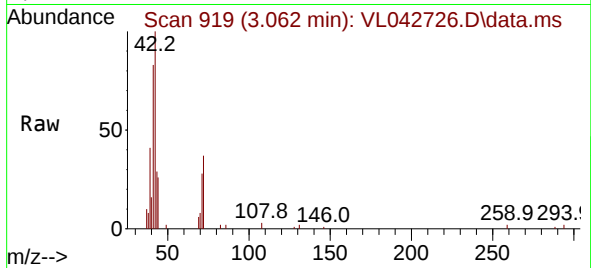
Tgt Ion: 88 Resp: 2675
Ion Ratio Lower Upper
88 100
58 119.9 59.8 89.8#
43 0.0 32.6 48.8#
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.503 ppbv m
RT: 3.062 min Scan# 916
Delta R.T. 0.010 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

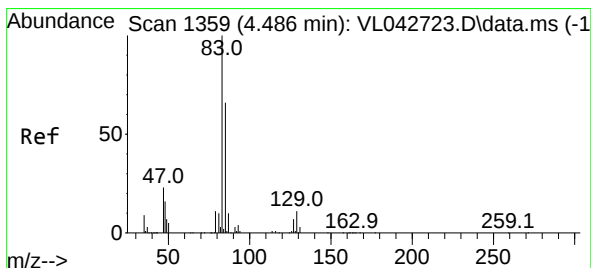
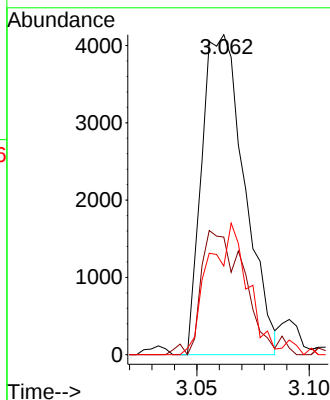
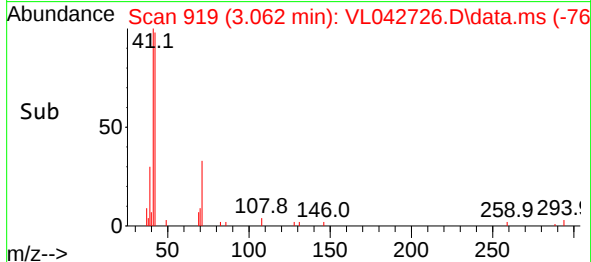
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 42 Resp: 544
Ion Ratio Lower Upper
42 100
72 39.9 32.2 48.2
71 0.0 29.8 44.6

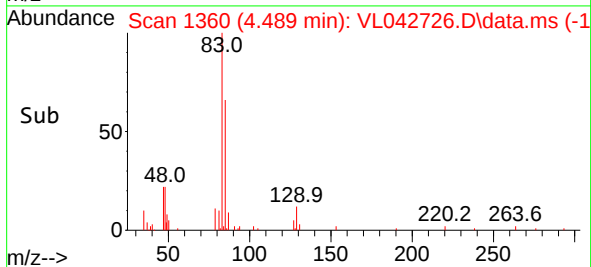
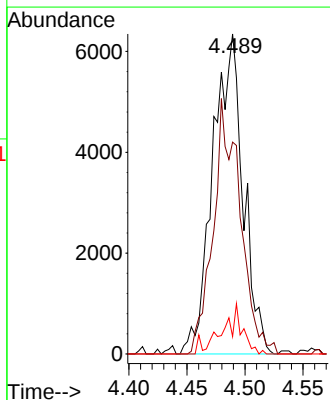
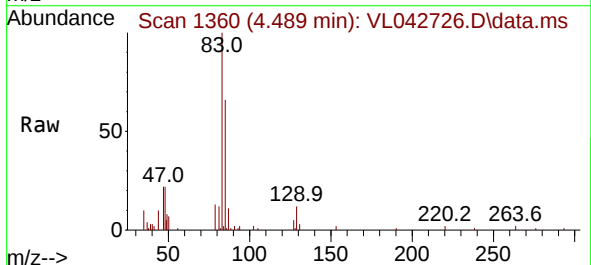
Manual Integrations
APPROVED

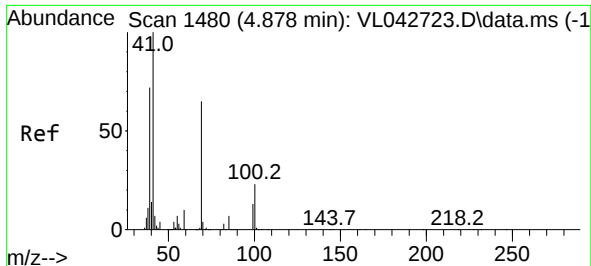
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#42
Bromodichloromethane
Concen: 0.484 ppbv m
RT: 4.489 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Tgt Ion: 83 Resp: 11526
Ion Ratio Lower Upper
83 100
85 66.2 52.6 78.8
127 5.5 6.0 9.0





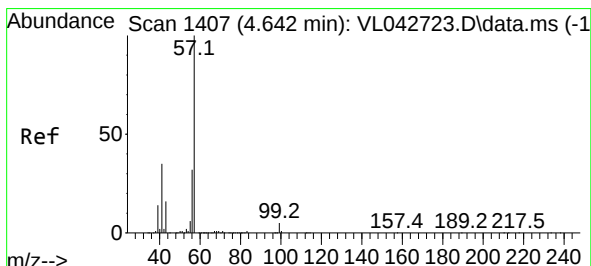
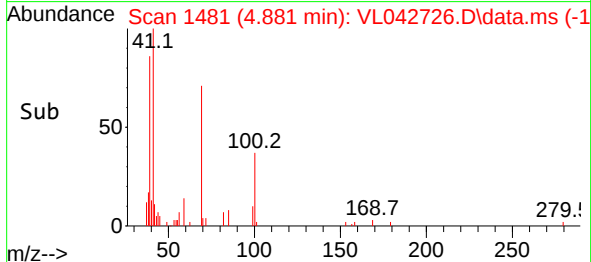
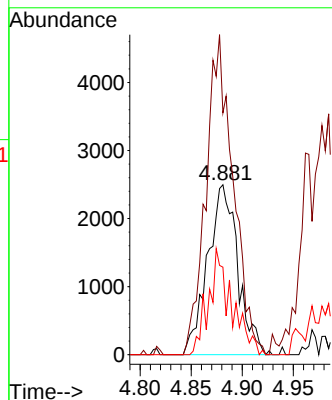
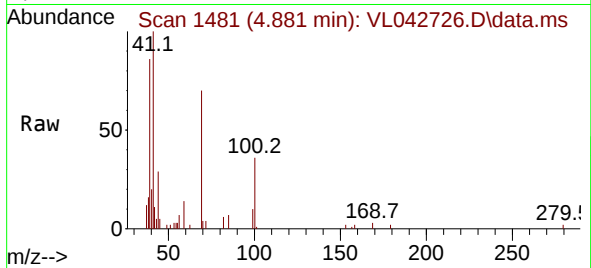
#43
Methyl Methacrylate
Concen: 0.468 ppbv m
RT: 4.881 min Scan# 1480
Delta R.T. 0.003 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 5128
Ion Ratio Lower Upper
69 100
41 171.1 125.8 188.6
100 47.7 29.9 44.9

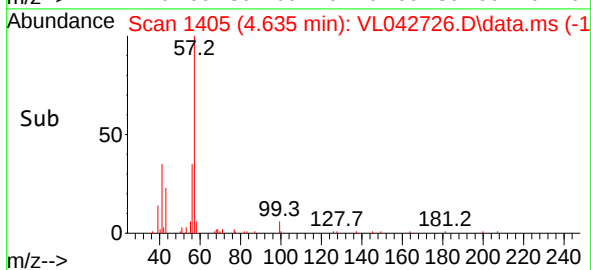
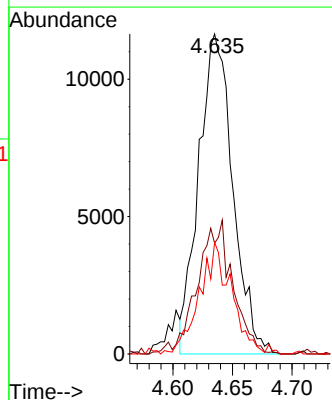
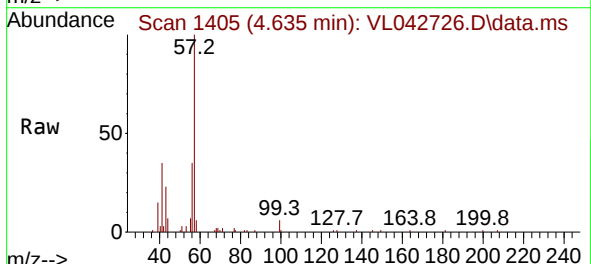
Manual Integrations
APPROVED

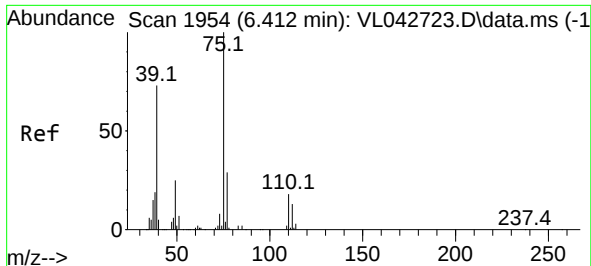
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#44
2,2,4-Trimethylpentane
Concen: 0.494 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.007 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Tgt Ion: 57 Resp: 23243
Ion Ratio Lower Upper
57 100
41 44.0 29.4 44.0
56 33.3 26.1 39.1





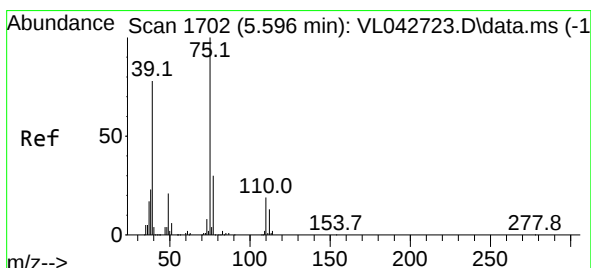
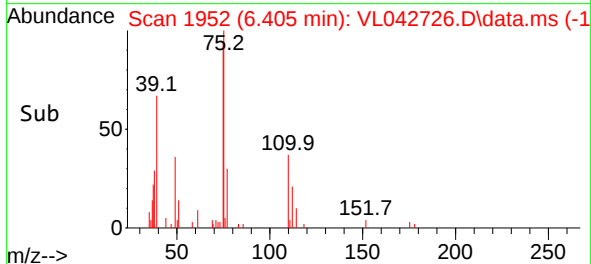
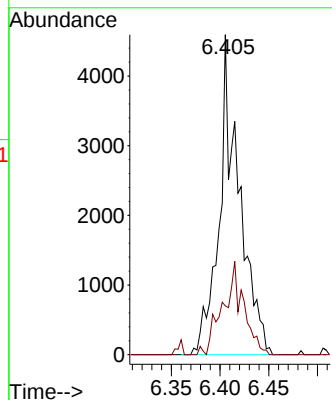
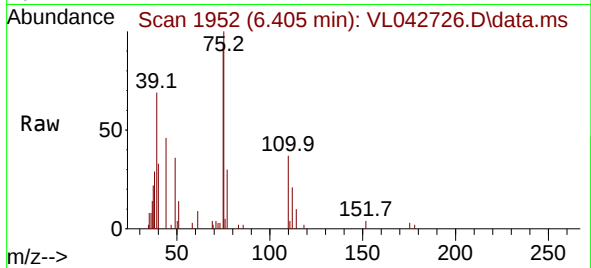
#45
t-1,3-Dichloropropene
Concen: 0.488 ppbv m
RT: 6.405 min Scan# 1954
Delta R.T. -0.007 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 75 Resp: 6564
Ion Ratio Lower Upper
75 100
77 29.6 23.0 34.6

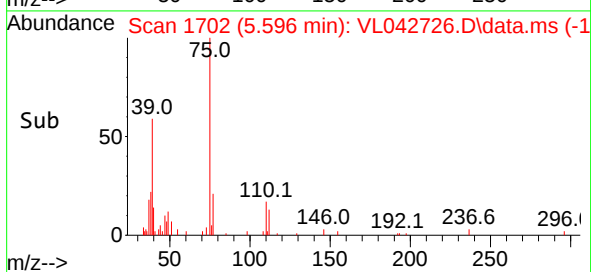
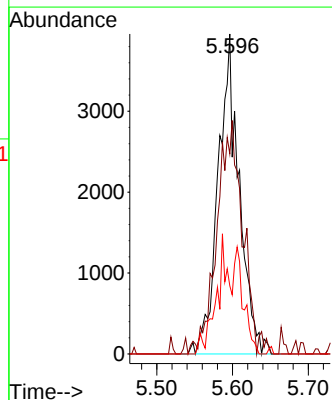
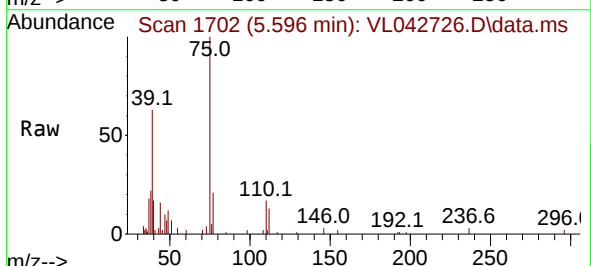
Manual Integrations
APPROVED

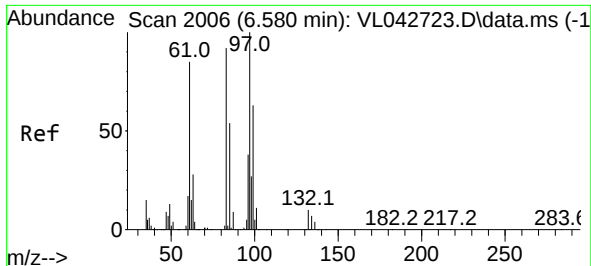
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#46
cis-1,3-Dichloropropene
Concen: 0.477 ppbv m
RT: 5.596 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Tgt Ion: 75 Resp: 7623
Ion Ratio Lower Upper
75 100
39 62.5 62.1 93.1
77 21.3 24.0 36.0#





#47

1,1,2-Trichloroethane

Concen: 0.526 ppbv m

RT: 6.574 min Scan# 2006

Delta R.T. -0.007 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

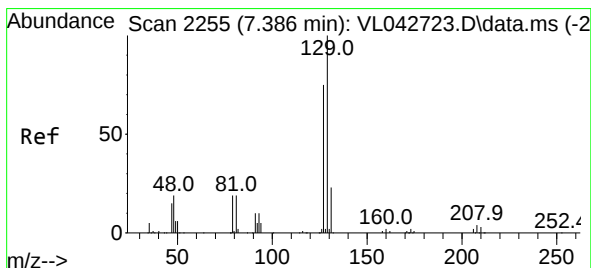
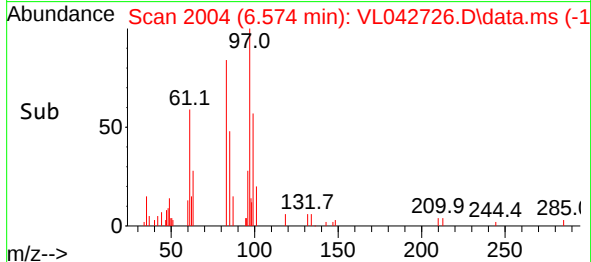
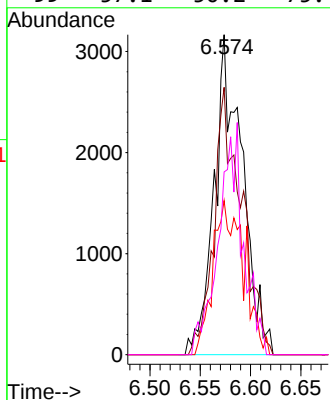
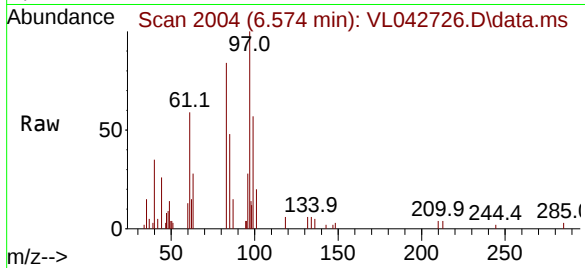
Tgt Ion:	97	Resp:	6119
Ion	Ratio	Lower	Upper
97	100		
83	83.5	73.2	109.8
85	48.2	42.7	64.1
99	57.1	50.2	75.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#48

Dibromochloromethane

Concen: 0.480 ppbv

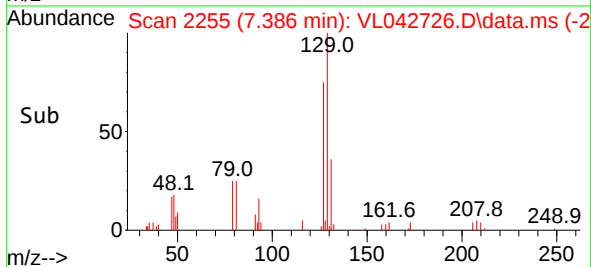
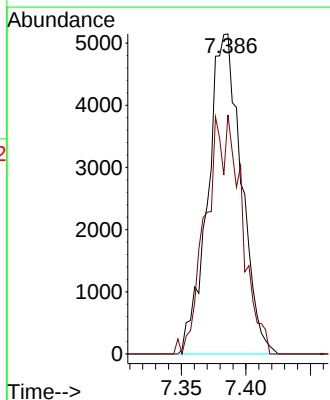
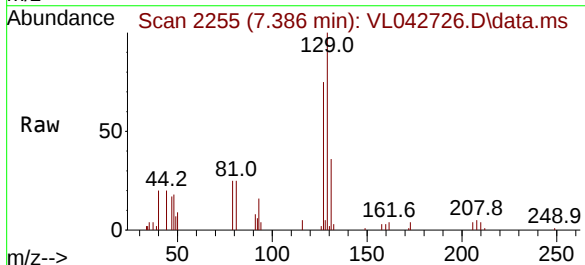
RT: 7.386 min Scan# 2255

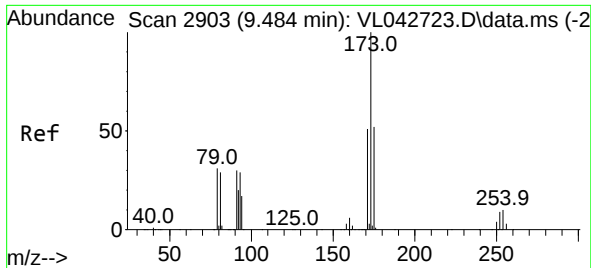
Delta R.T. -0.000 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

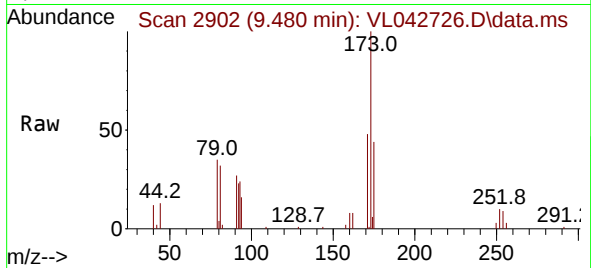
Tgt Ion:	129	Resp:	9290
Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.1	117.3





#49
Bromoform
Concen: 0.452 ppbv
RT: 9.480 min Scan# 2903
Delta R.T. -0.003 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

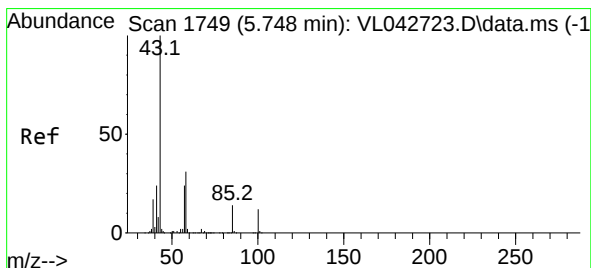
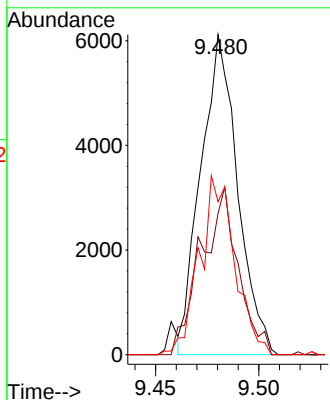
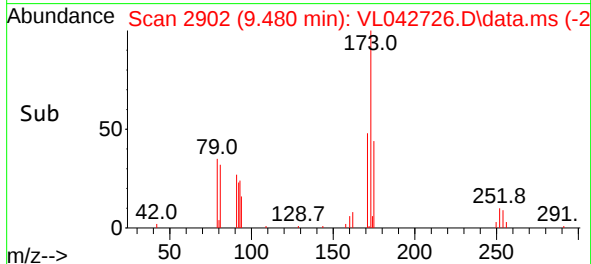
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 173 Resp: 7580
Ion Ratio Lower Upper
173 100
175 53.0 38.9 58.3
171 53.4 41.1 61.7

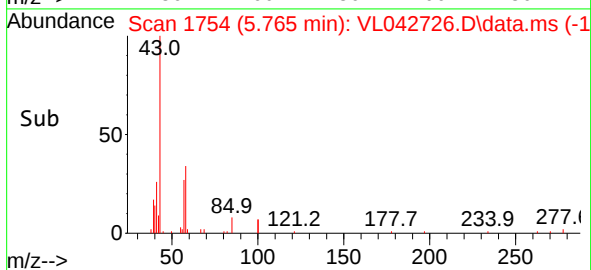
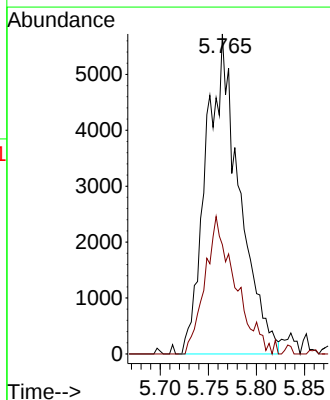
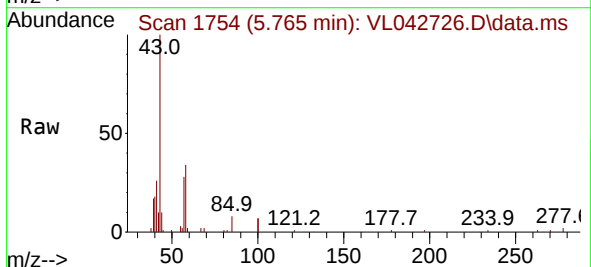
Manual Integrations
APPROVED

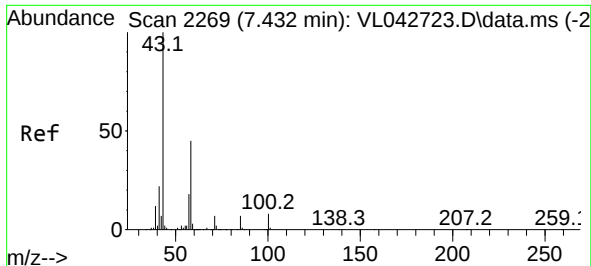
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#50
4-Methyl-2-Pentanone
Concen: 0.496 ppbv m
RT: 5.765 min Scan# 1754
Delta R.T. 0.016 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

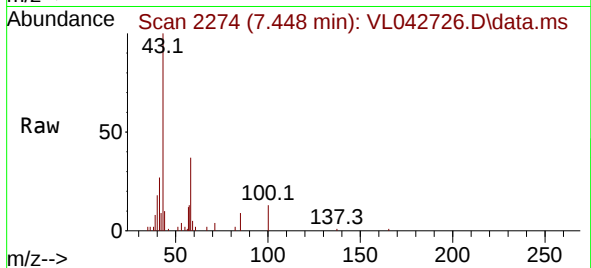
Tgt Ion: 43 Resp: 13814
Ion Ratio Lower Upper
43 100
58 0.0 27.6 41.4#





#51
2-Hexanone
Concen: 0.459 ppbv m
RT: 7.448 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

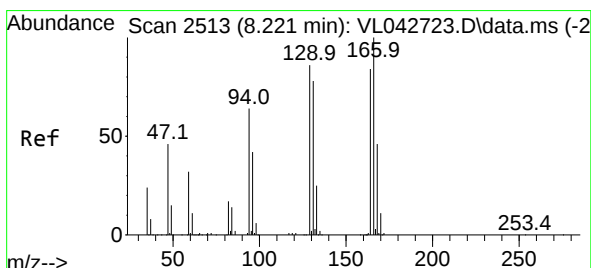
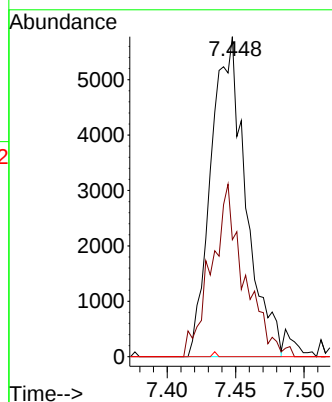
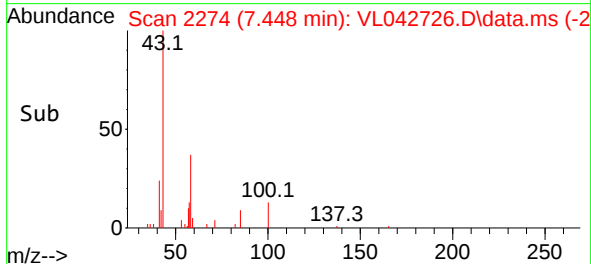
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 43 Resp: 10224
Ion Ratio Lower Upper
43 100
58 0.0 37.9 56.9
98 0.0 0.2 0.2

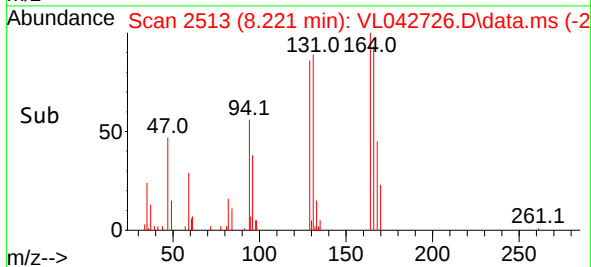
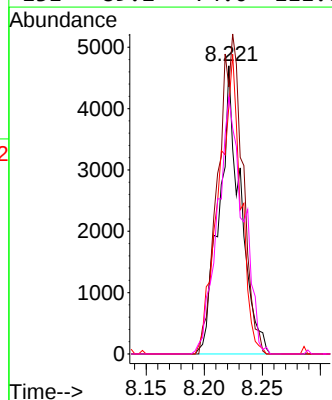
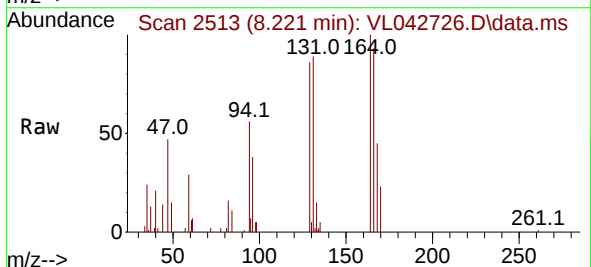
Manual Integrations
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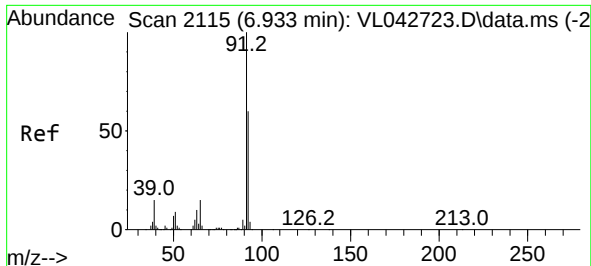
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#52
Tetrachloroethene
Concen: 0.520 ppbv m
RT: 8.221 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Tgt Ion:164 Resp: 5979
Ion Ratio Lower Upper
164 100
166 92.7 95.1 142.7#
129 86.0 81.9 122.9
131 89.2 74.0 111.0





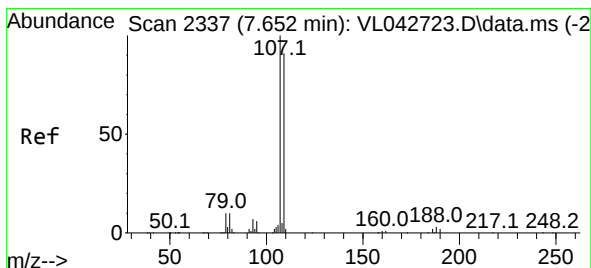
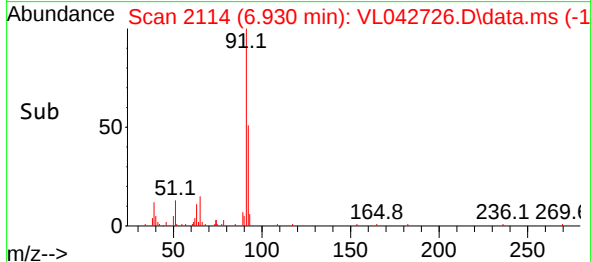
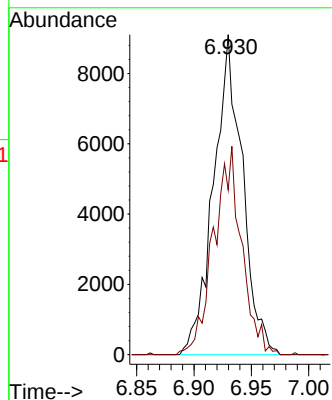
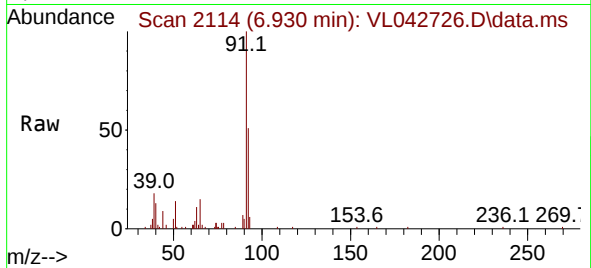
#53
Toluene
Concen: 0.494 ppbv
RT: 6.930 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 15909
Ion Ratio Lower Upper
91 100
92 63.2 48.2 72.4

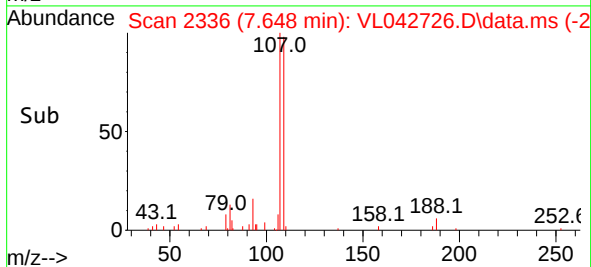
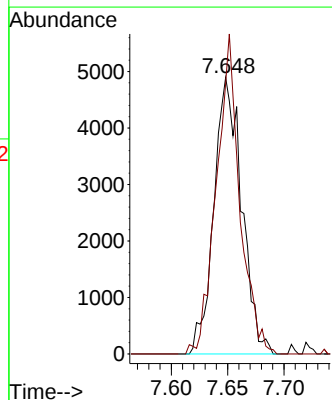
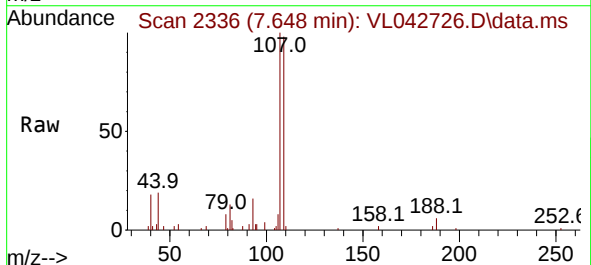
Manual Integrations
APPROVED

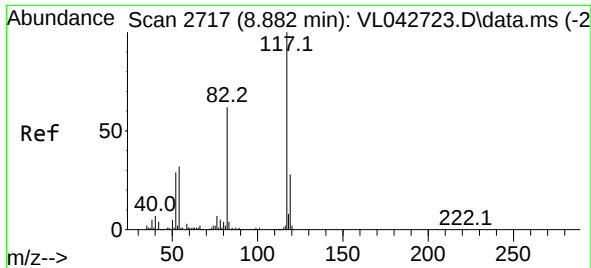
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#54
1,2-Dibromoethane
Concen: 0.483 ppbv m
RT: 7.648 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Tgt Ion:107 Resp: 8399
Ion Ratio Lower Upper
107 100
109 97.9 72.5 108.7





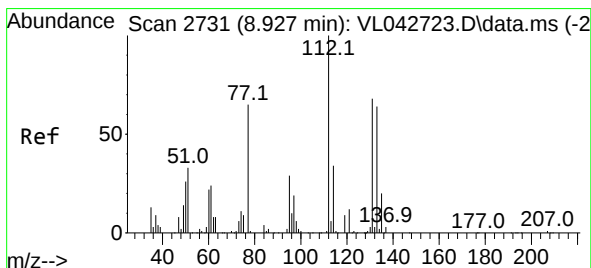
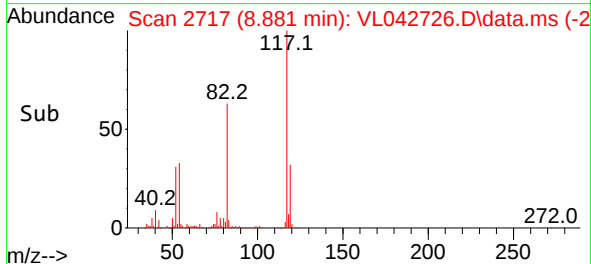
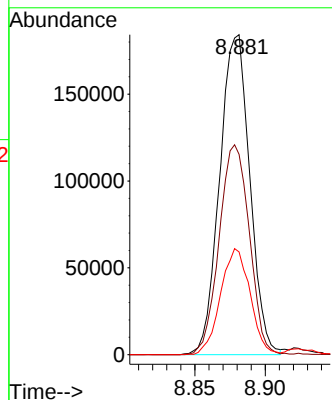
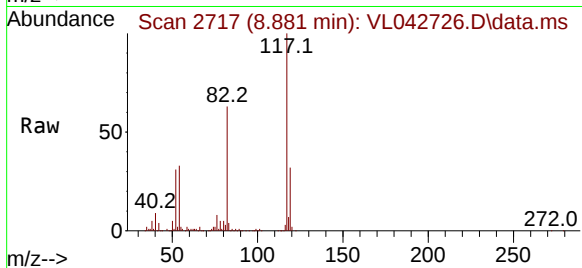
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2717
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 274930
Ion Ratio Lower Upper
117 100
82 65.9 54.6 81.8
119 34.2 25.3 37.9

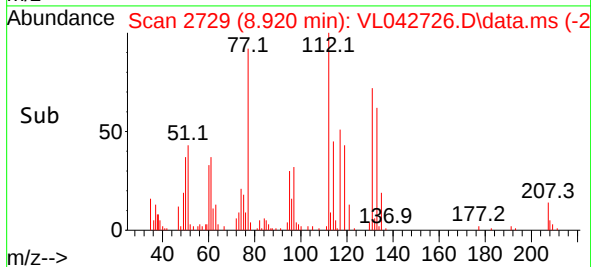
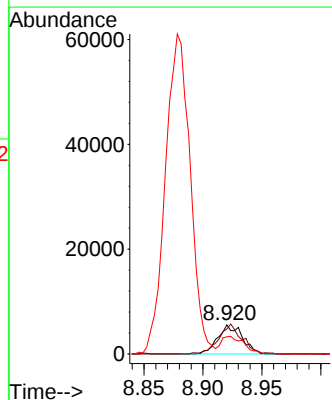
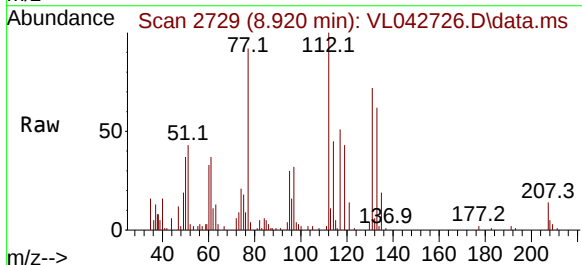
Manual Integrations
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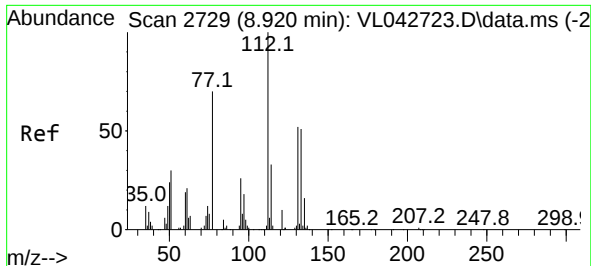
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.540 ppbv m
RT: 8.920 min Scan# 2729
Delta R.T. -0.007 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

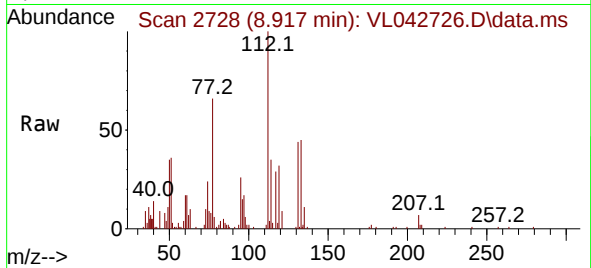
Tgt Ion:131 Resp: 7996
Ion Ratio Lower Upper
131 100
133 0.0 77.4 116.0#
119 0.0 48.6 73.0#





#57
Chlorobenzene
Concen: 0.517 ppbv m
RT: 8.917 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

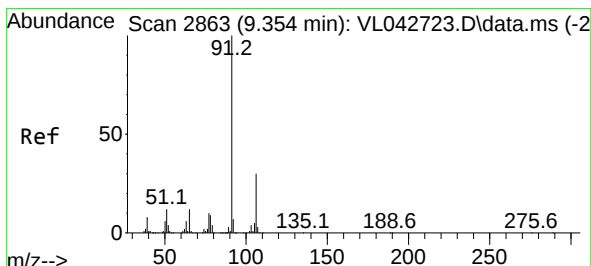
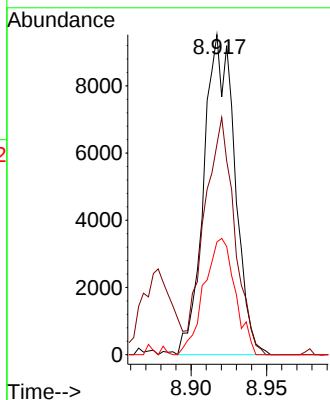
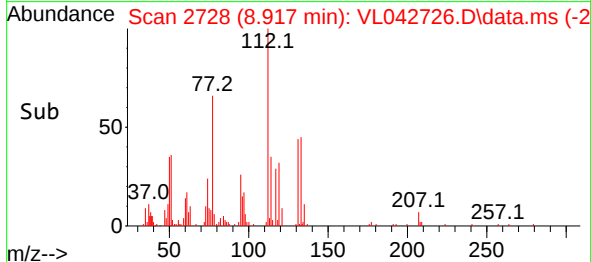
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion:112 Resp: 13540
Ion Ratio Lower Upper
112 100
77 65.7 57.2 85.8
114 35.2 29.8 36.4

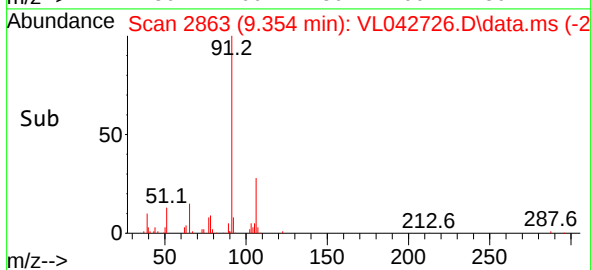
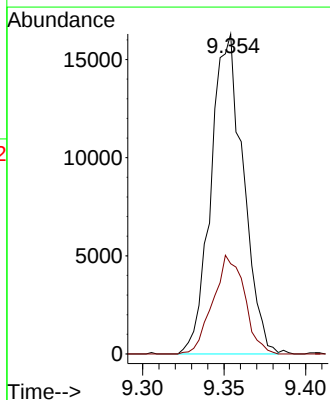
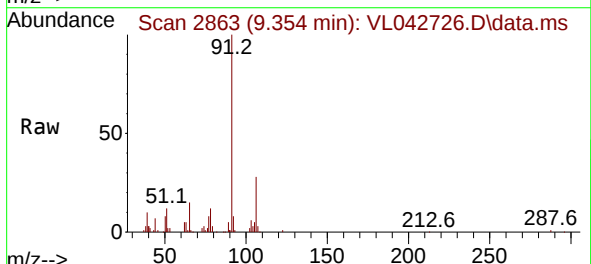
Manual Integrations
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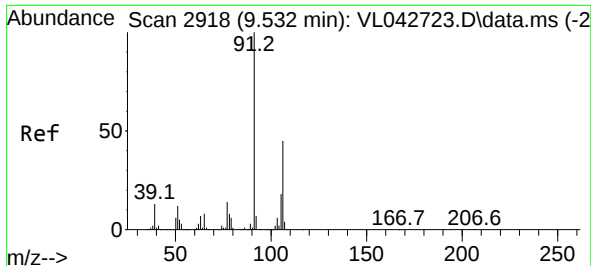
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#58
Ethyl Benzene
Concen: 0.488 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Tgt Ion: 91 Resp: 22417
Ion Ratio Lower Upper
91 100
106 28.2 23.7 35.5





#59

m/p-Xylene

Concen: 0.977 ppbv m

RT: 9.529 min Scan# 2918

Delta R.T. -0.003 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 91 Resp: 3595

Ion Ratio Lower Upper

91 100

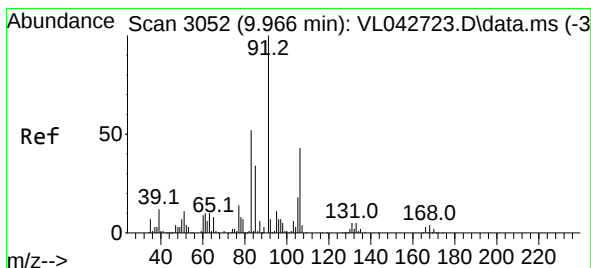
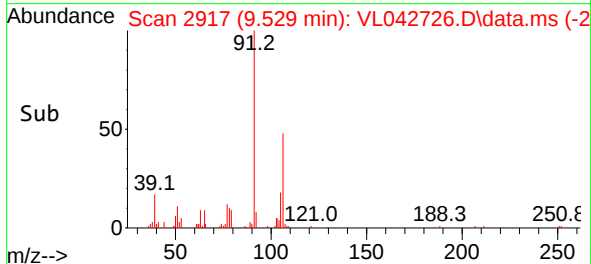
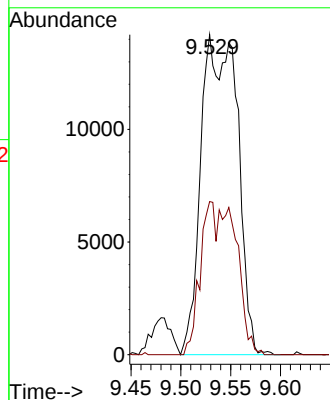
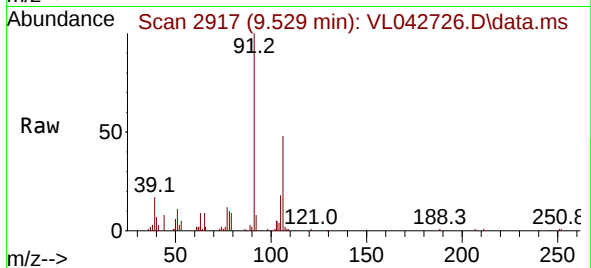
106 46.8 37.3 55.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#60

o-Xylene

Concen: 0.497 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.007 min

Lab File: VL042726.D

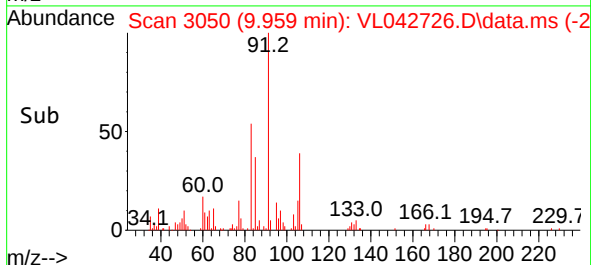
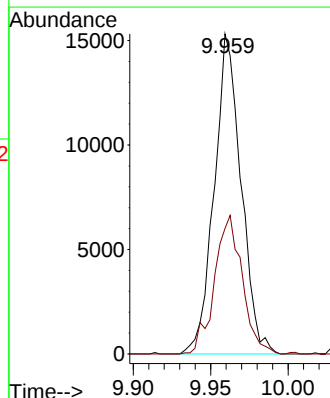
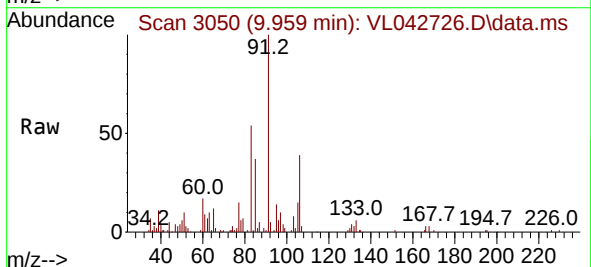
Acq: 22 Jul 2025 10:38

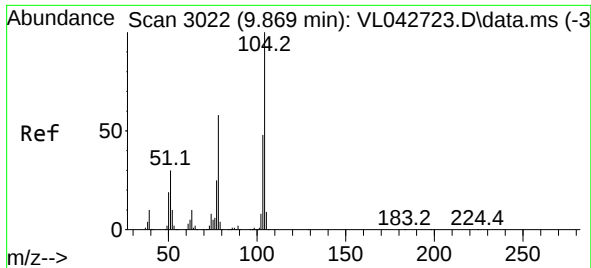
Tgt Ion: 91 Resp: 18428

Ion Ratio Lower Upper

91 100

106 44.9 21.4 64.3





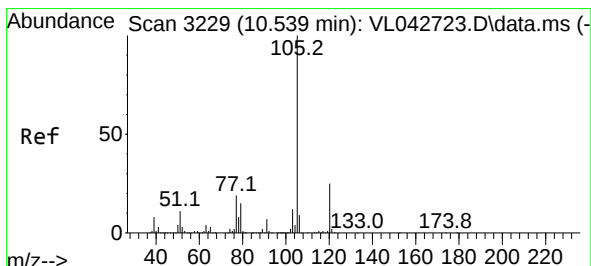
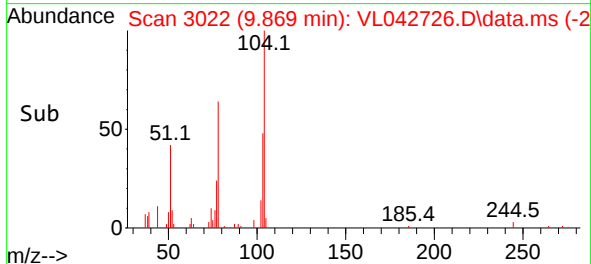
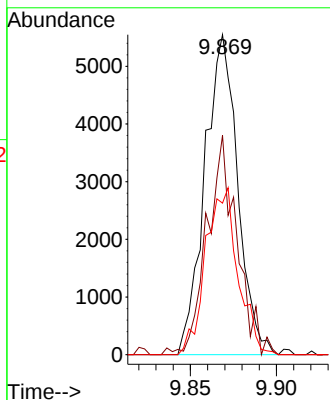
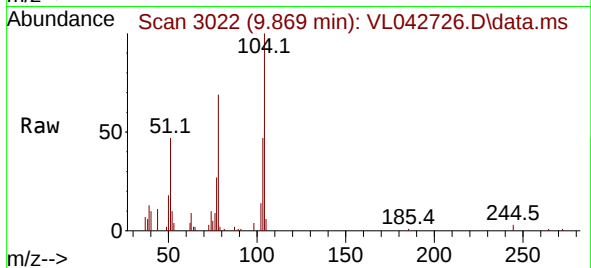
#61
Styrene
Concen: 0.462 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 7380
Ion Ratio Lower Upper
104 100
78 62.8 43.4 65.2
103 51.3 37.8 56.6

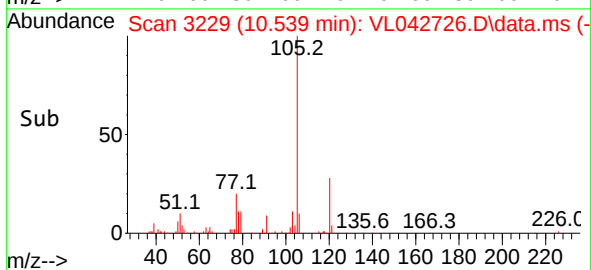
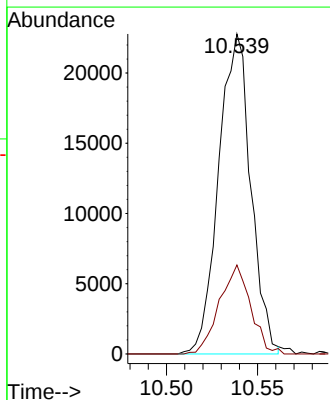
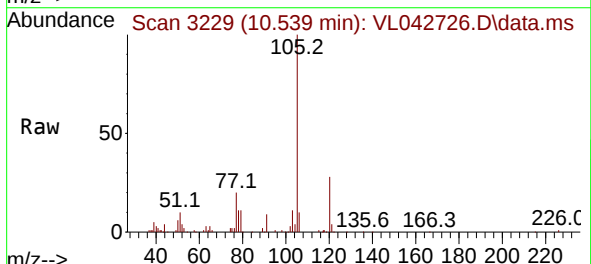
Manual Integrations
APPROVED

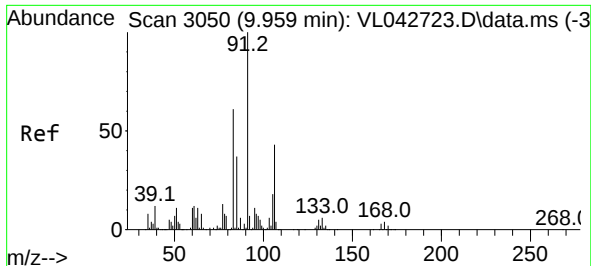
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#62
Isopropylbenzene
Concen: 0.507 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Tgt Ion:105 Resp: 27939
Ion Ratio Lower Upper
105 100
120 27.0 20.2 30.2





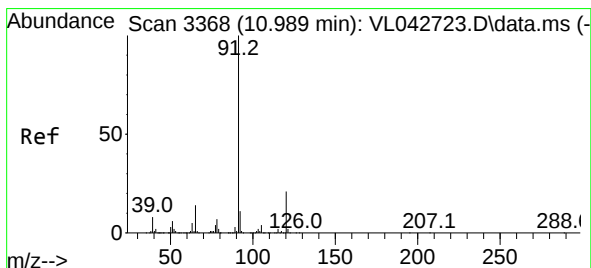
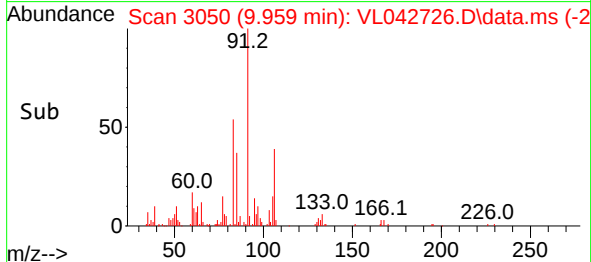
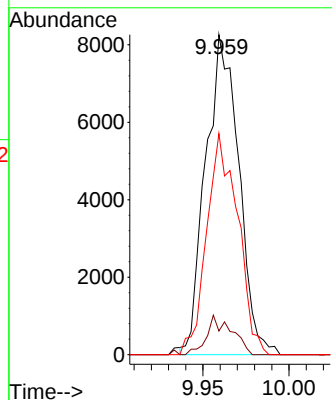
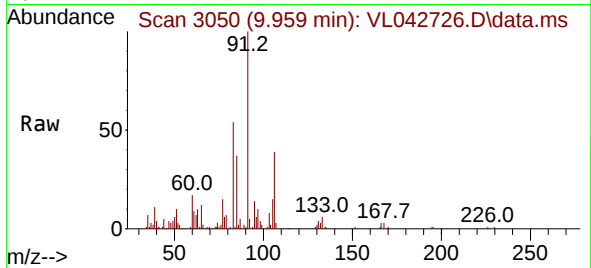
#63
1,1,2,2-Tetrachloroethane
Concen: 0.522 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 83 Resp: 11062
Ion Ratio Lower Upper
83 100
131 9.5 5.2 15.6
85 64.8 32.1 96.5

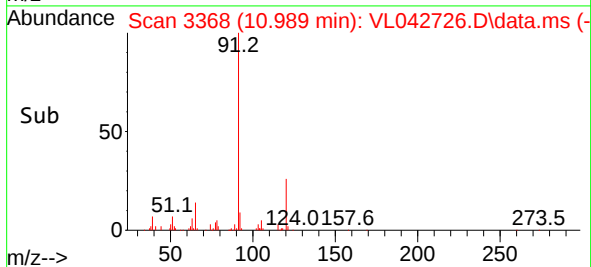
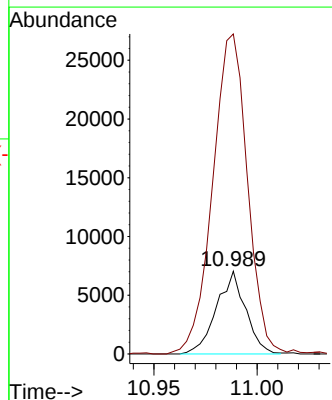
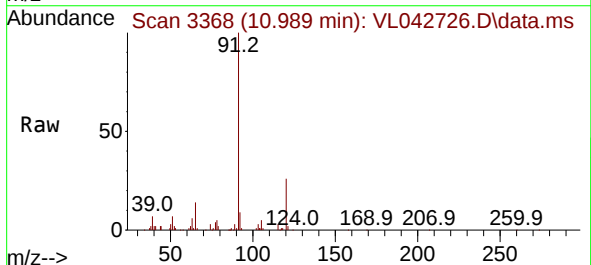
Manual Integrations
APPROVED

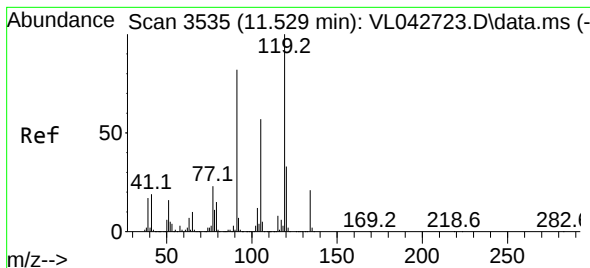
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#64
n-propylbenzene
Concen: 0.498 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Tgt Ion:120 Resp: 6928
Ion Ratio Lower Upper
120 100
91 464.1 377.4 566.0





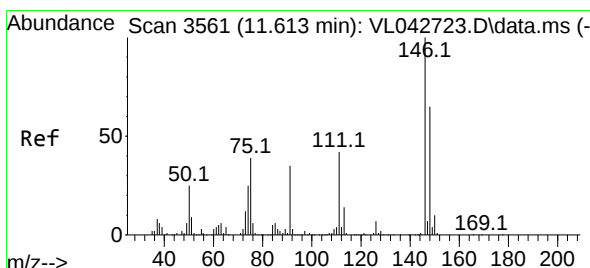
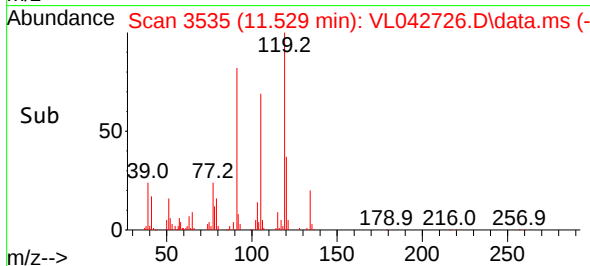
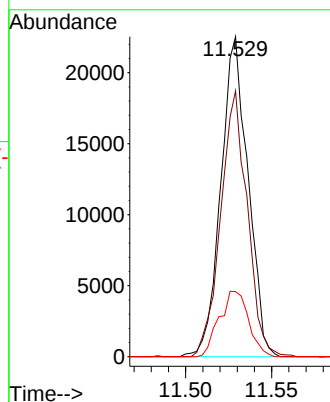
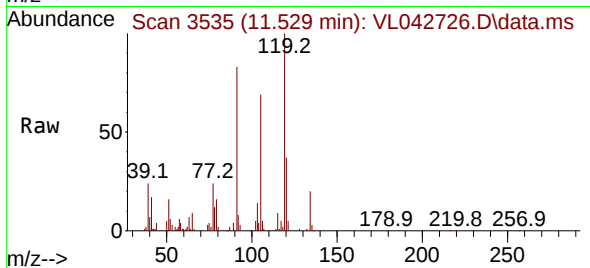
#65
tert-Butylbenzene
Concen: 0.502 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 2475
Ion Ratio Lower Upper
119 100
91 81.3 66.5 99.7
134 22.1 16.7 25.1

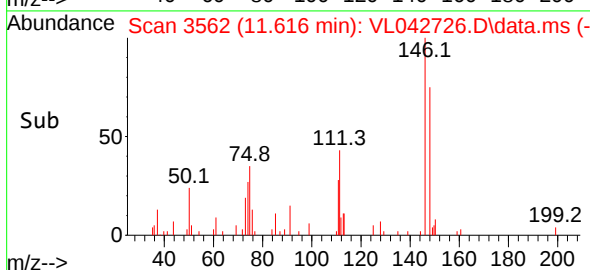
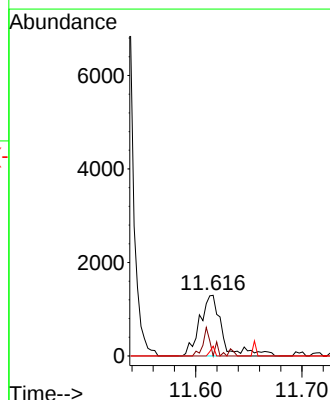
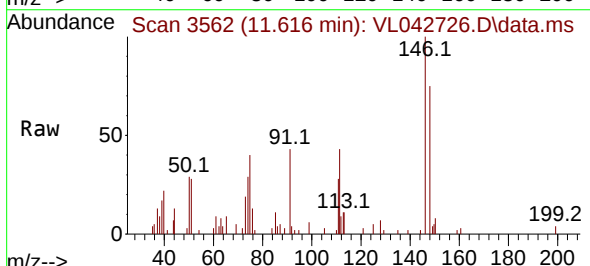
Manual Integrations
APPROVED

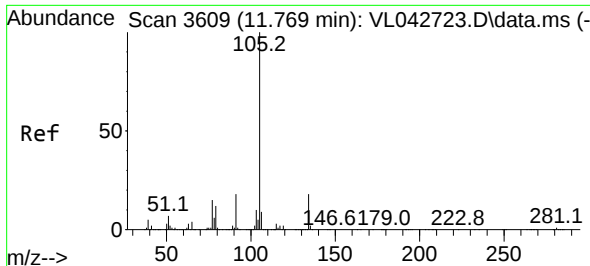
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#66
Benzyl Chloride
Concen: 0.403 ppbv m
RT: 11.616 min Scan# 3562
Delta R.T. 0.003 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

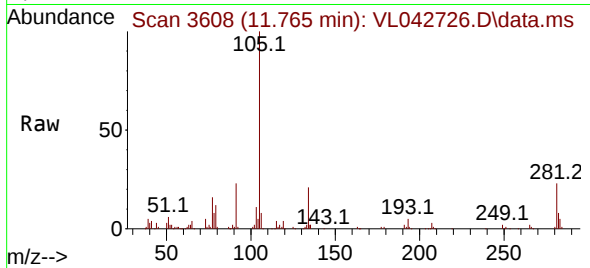
Tgt Ion: 91 Resp: 1889
Ion Ratio Lower Upper
91 100
126 20.1 15.0 22.4
128 0.0 5.0 7.6#





#67
 sec-Butylbenzene
 Concen: 0.500 ppbv
 RT: 11.765 min Scan# 3608
 Delta R.T. -0.003 min
 Lab File: VL042726.D
 Acq: 22 Jul 2025 10:38

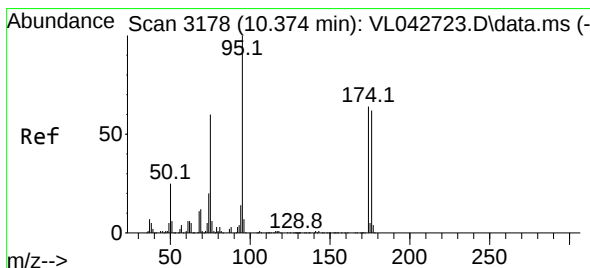
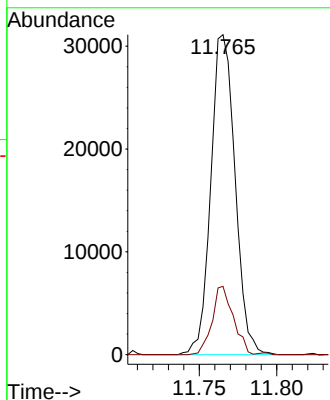
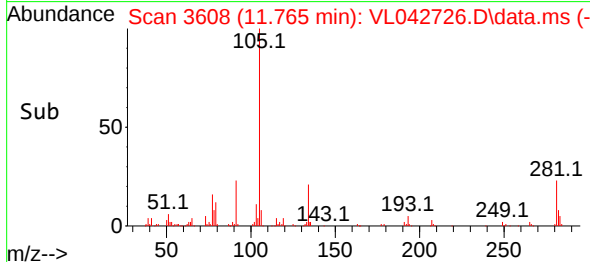
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:105 Resp: 33880
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.0 22.4

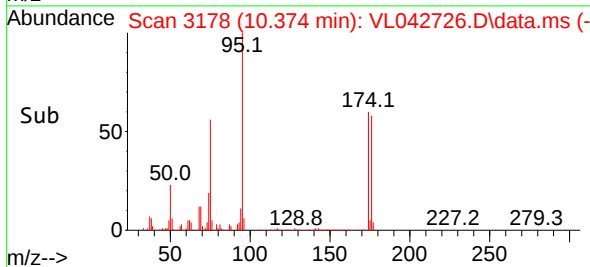
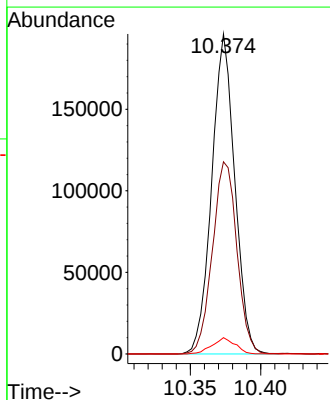
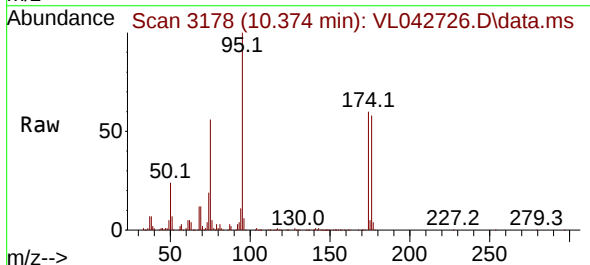
Manual Integrations
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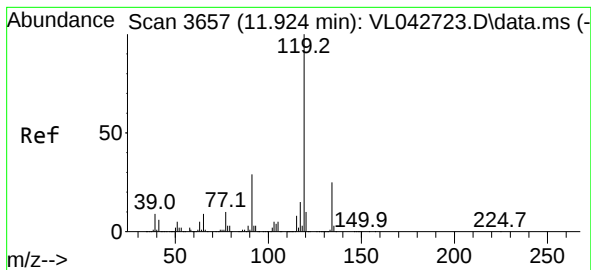
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.058 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.000 min
 Lab File: VL042726.D
 Acq: 22 Jul 2025 10:38

Tgt Ion: 95 Resp: 223485
 Ion Ratio Lower Upper
 95 100
 174 63.9 51.4 77.2
 175 5.1 4.2 6.4





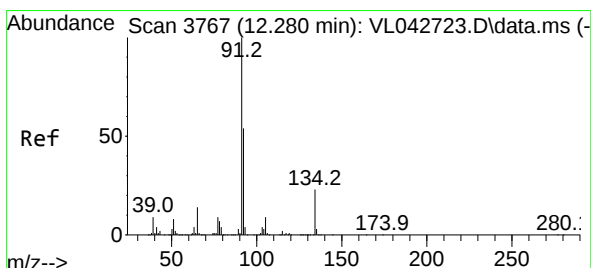
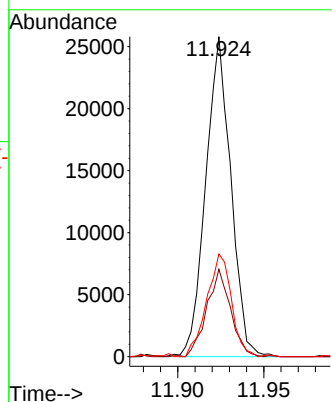
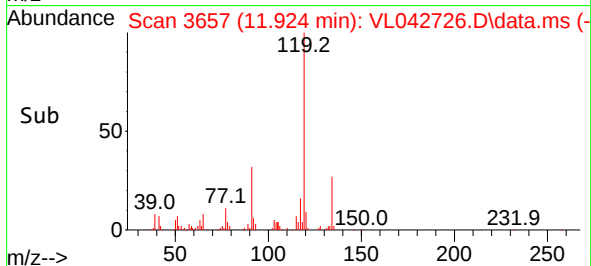
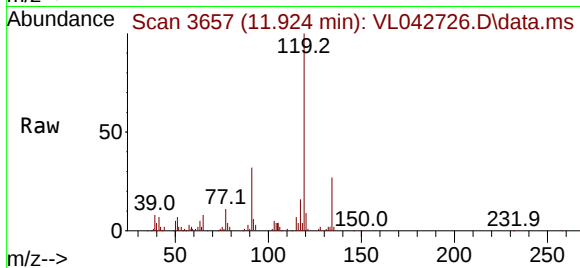
#69
p-Isopropyltoluene
Concen: 0.461 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 2618
Ion Ratio Lower Upper
119 100
134 26.2 19.8 29.6
91 32.2 23.9 35.9

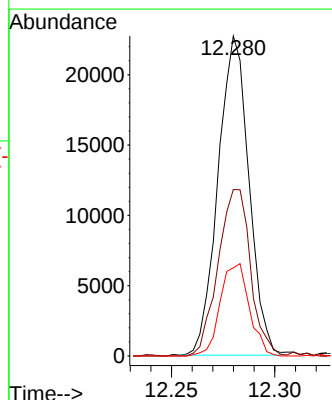
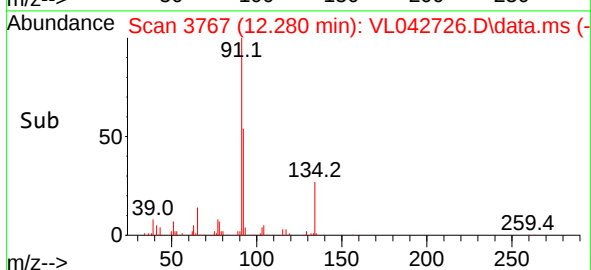
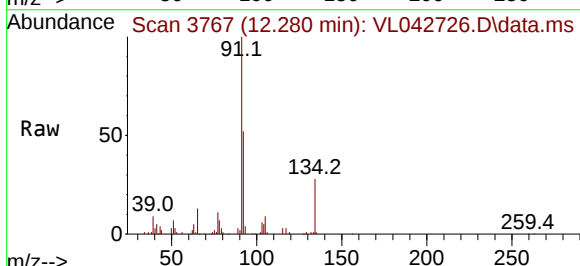
Manual Integrations
APPROVED

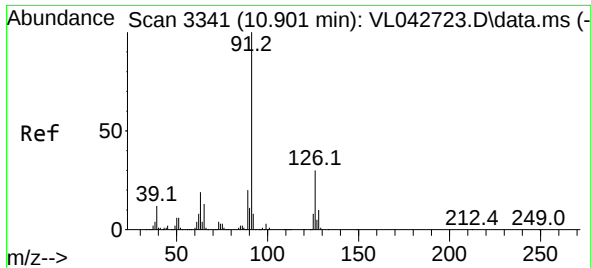
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#70
n-Butylbenzene
Concen: 0.435 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

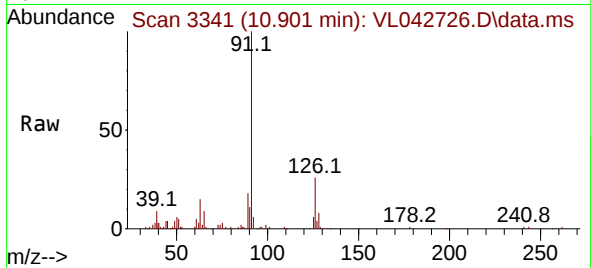
Tgt Ion: 91 Resp: 23607
Ion Ratio Lower Upper
91 100
92 55.6 43.2 64.8
134 27.4 19.0 28.6





#71
2-Chlorotoluene
Concen: 0.490 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

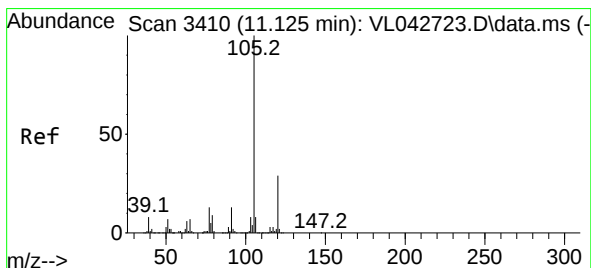
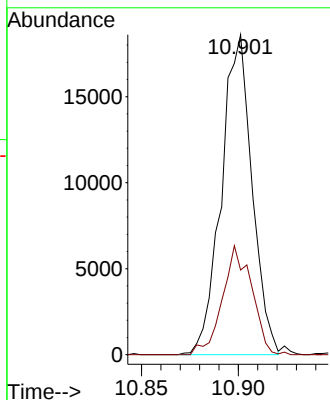
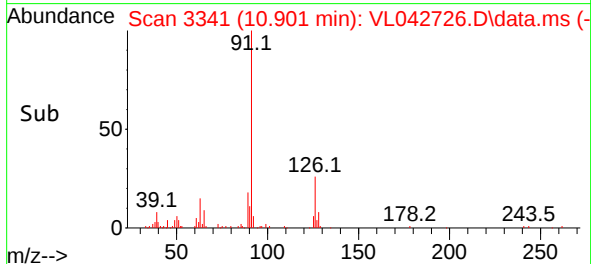
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 91 Resp: 20494
Ion Ratio Lower Upper
91 100
126 32.6 11.6 46.4

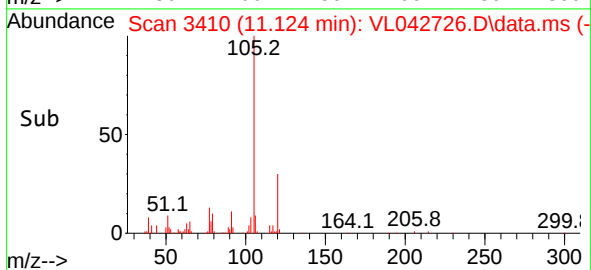
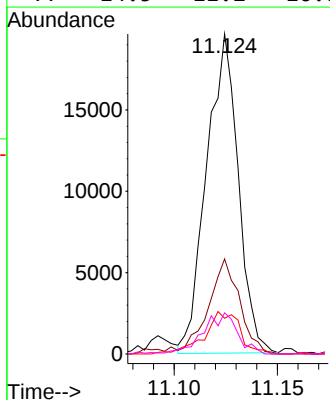
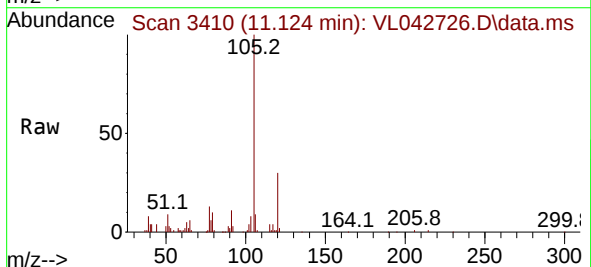
Manual Integrations
APPROVED

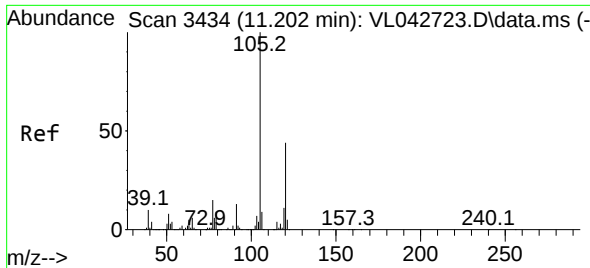
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#72
4-Ethyltoluene
Concen: 0.473 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Tgt Ion:105 Resp: 20910
Ion Ratio Lower Upper
105 100
120 30.9 23.4 35.0
91 15.0 10.6 15.8
77 14.5 11.2 16.8





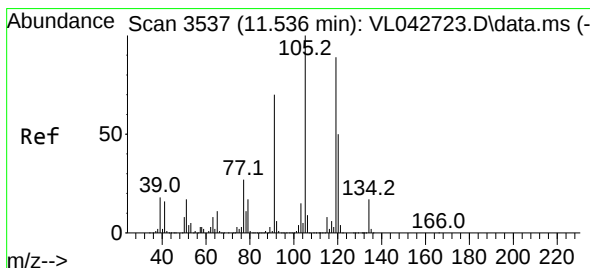
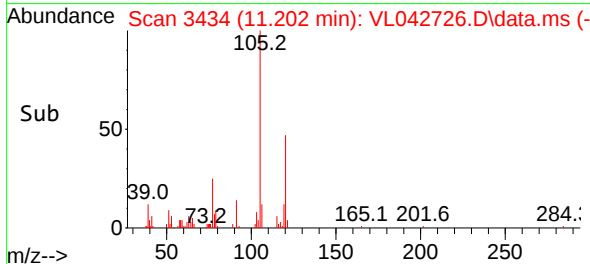
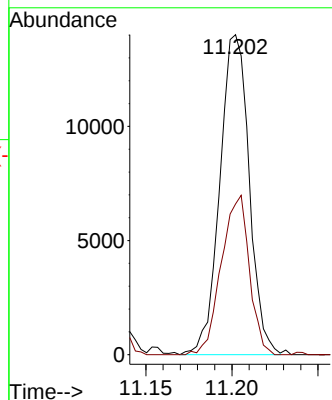
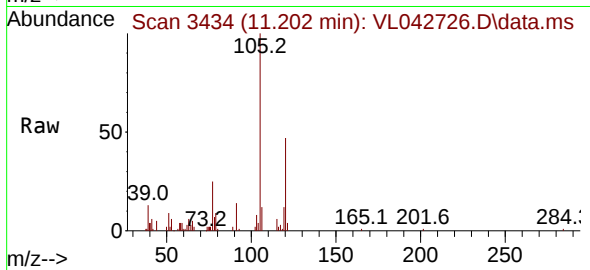
#73
1,3,5-Trimethylbenzene
Concen: 0.455 ppbv
RT: 11.202 min Scan# 3434
Delta R.T. -0.000 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:105 Resp: 16638
Ion Ratio Lower Upper
105 100
120 47.1 35.2 52.8

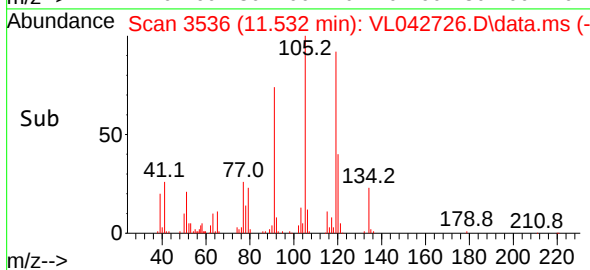
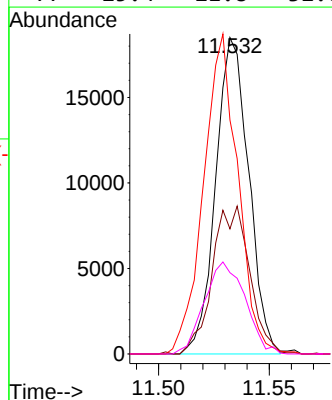
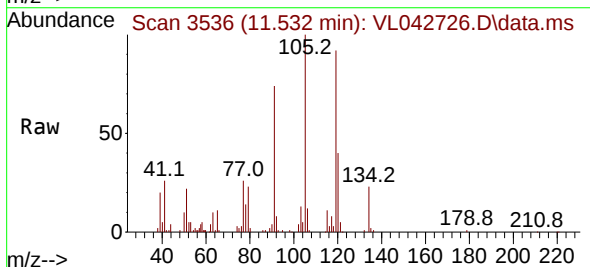
Manual Integrations
APPROVED

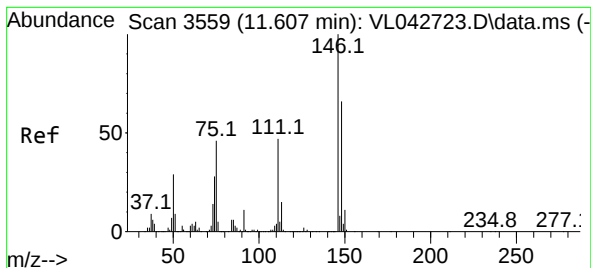
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.478 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042726.D
Acq: 22 Jul 2025 10:38

Tgt Ion:105 Resp: 19202
Ion Ratio Lower Upper
105 100
120 39.6 39.9 59.9#
91 73.1 56.5 84.7
77 25.4 21.8 32.6





#75

1,3-Dichlorobenzene

Concen: 0.516 ppbv

RT: 11.603 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Instrument :

MSVOA_L

ClientSampleId :

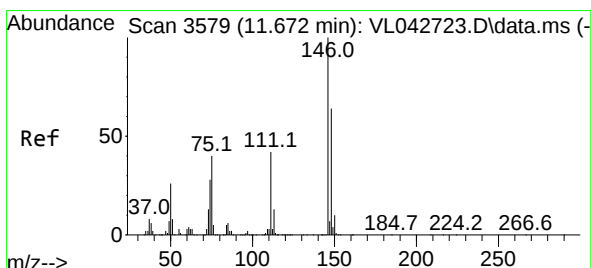
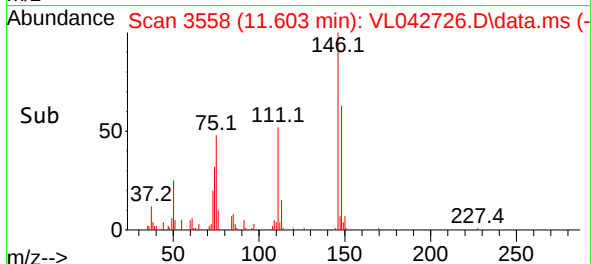
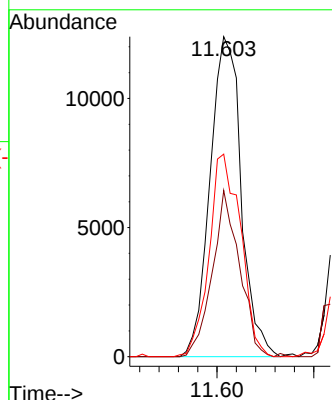
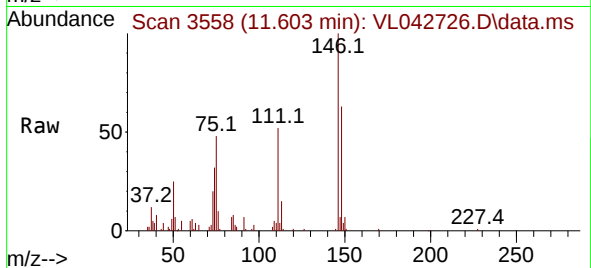
VSTDIC0.5

Tgt Ion:	146	Resp:	1384
Ion Ratio	Lower	Upper	
146	100		
111	45.6	23.5	70.5
148	64.1	32.6	98.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#76

1,4-Dichlorobenzene

Concen: 0.473 ppbv

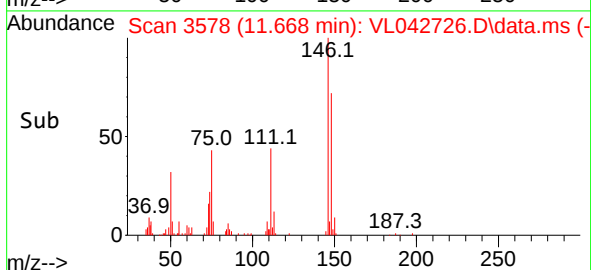
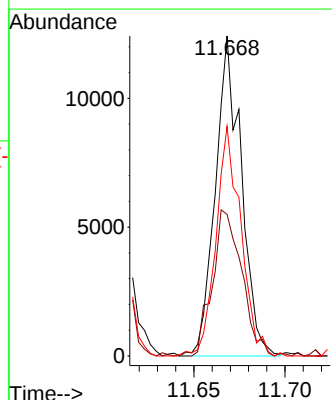
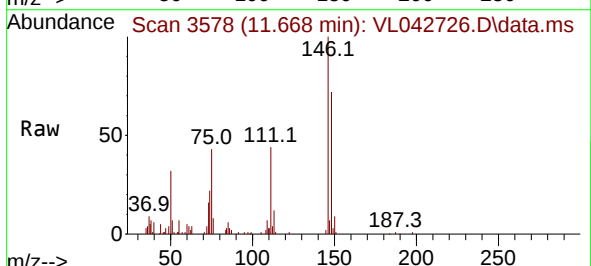
RT: 11.668 min Scan# 3578

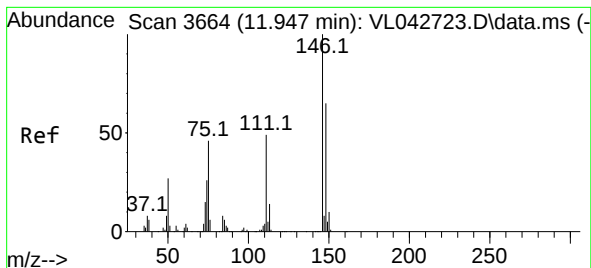
Delta R.T. -0.003 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Tgt Ion:	146	Resp:	12275
Ion Ratio	Lower	Upper	
146	100		
111	52.3	22.1	66.1
148	69.0	32.1	96.5





#77

1,2-Dichlorobenzene

Concen: 0.508 ppbv

RT: 11.947 min Scan# 30

Delta R.T. -0.000 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Instrument :

MSVOA_L

ClientSampleId :

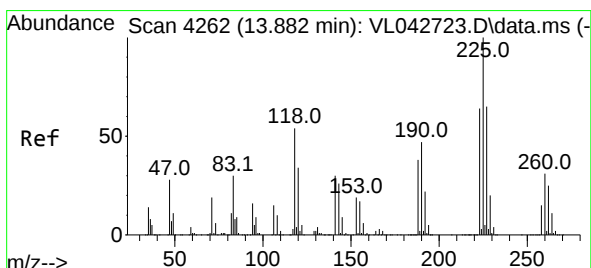
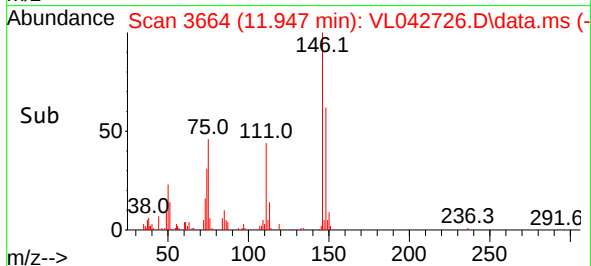
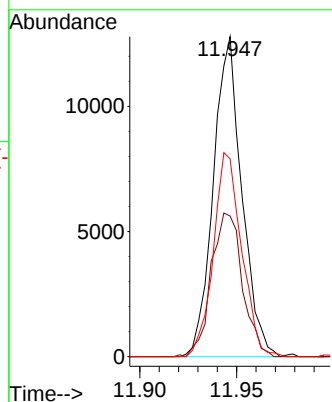
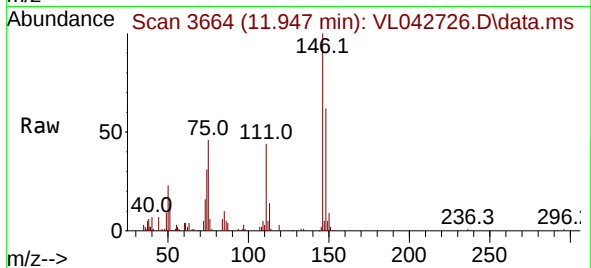
VSTDICC0.5

Tgt Ion:	146	Resp:	1308
Ion Ratio	Lower	Upper	
146	100		
111	49.1	24.9	74.6
148	63.2	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.532 ppbv

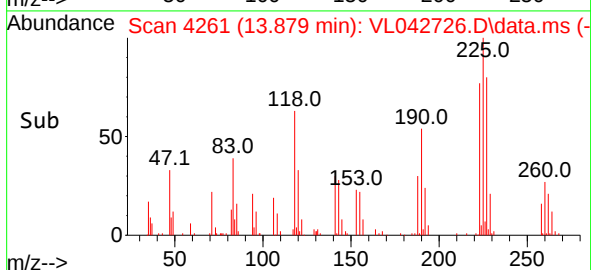
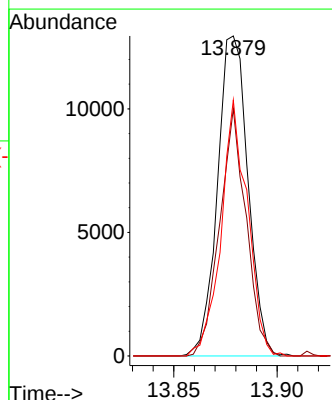
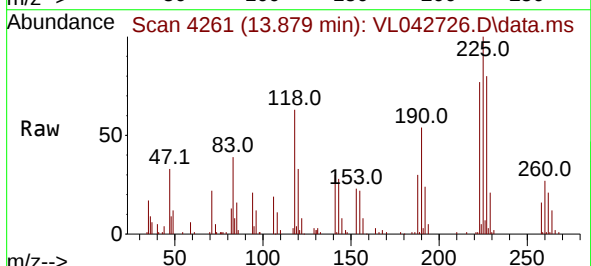
RT: 13.879 min Scan# 4261

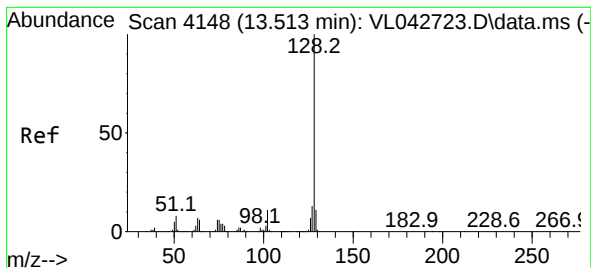
Delta R.T. -0.003 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Tgt Ion:	225	Resp:	13316
Ion Ratio	Lower	Upper	
225	100		
223	67.6	51.3	76.9
227	69.3	51.8	77.8





#79

Naphthalene

Concen: 0.328 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. -0.000 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Instrument :

MSVOA_L

ClientSampleId :

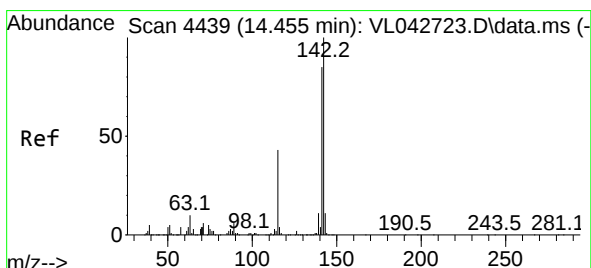
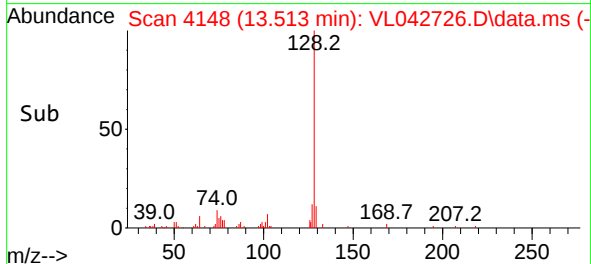
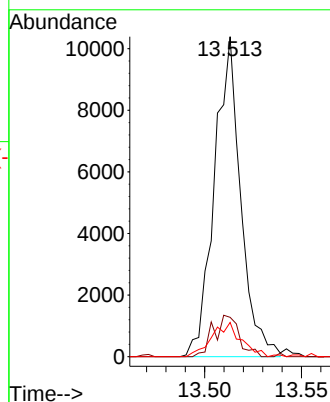
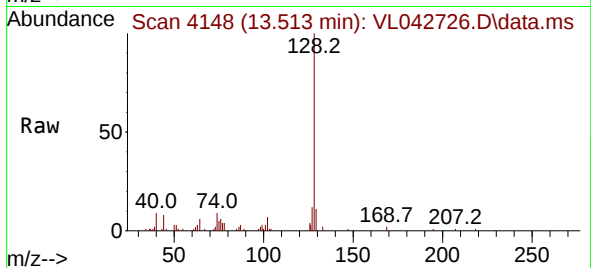
VSTDIC0.5

Tgt Ion:	128	Resp:	9818
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#80

Naphthalene,2-methyl-

Concen: 0.074 ppbv m

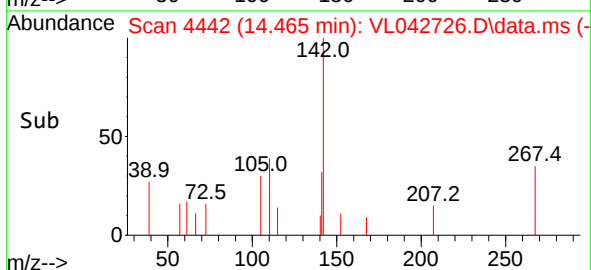
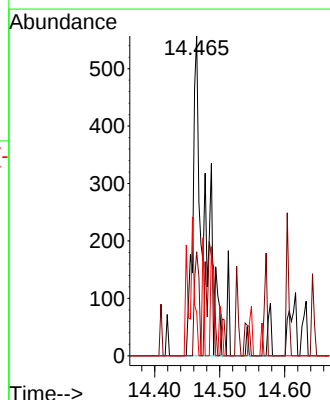
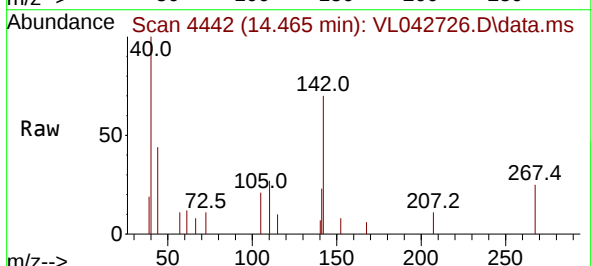
RT: 14.465 min Scan# 4442

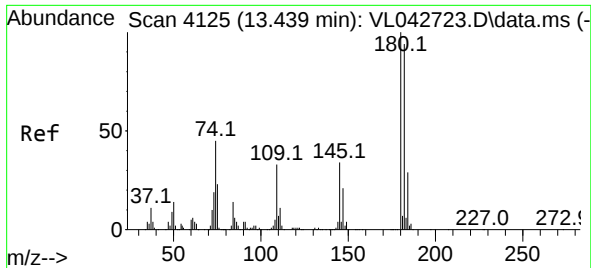
Delta R.T. 0.010 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Tgt Ion:	142	Resp:	733
Ion Ratio	Lower	Upper	
142	100		
141	12.0	65.6	98.4#
115	19.4	31.7	47.5#





#81

1,2,4-Trichlorobenzene

Concen: 0.296 ppbv

RT: 13.435 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042726.D

Acq: 22 Jul 2025 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:180 Resp: 542

Ion Ratio Lower Upper

180 100

182 108.9 77.1 115.7

184 33.7 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025

