

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042845.D
 Acq On : 13 Aug 2025 10:17
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Aug 14 01:48:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 14 2025
 QLast Update : Thu Aug 14 01:44:36 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/14/2025
 Supervised By : Mahesh Dadoda 08/18/2025

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

Internal Standards						
1) Bromochloromethane	2.797	49	126879	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	396264	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	348005	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.387	95	262663	10.064	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	9937	0.534	ppbv	100
3) Chlorodifluoromethane	1.479	51	11115	0.540	ppbv	96
4) Chloromethane	1.538	50	4112	0.548	ppbv	90
5) Vinyl Chloride	1.586	62	3762	0.509	ppbv	94
6) Bromomethane	1.674	94	1576	0.533	ppbv	82
7) Chloroethane	1.709	64	1690	0.586	ppbv #	85
8) Dichlorotetrafluoroethane	1.557	85	8079	0.531	ppbv	95
9) Propene	1.489	41	5225	0.589	ppbv	91
10) Heptane	4.998	43	12747	0.537	ppbv	93
11) Trichlorofluoromethane	1.884	101	10238	0.558	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	7984	0.546	ppbv	98
13) Ethanol	1.725	45	562	0.639	ppbv #	1
14) Bromoethene	1.787	108	2932	0.554	ppbv #	85
15) Acetone	1.842	43	10836	0.646	ppbv	98
16) 1,3-Butadiene	1.612	39	4970	0.653	ppbv	99
17) tert-Butyl alcohol	2.049	59	12182	0.612	ppbv #	89
18) 1,1-Dichloroethene	2.039	96	3501	0.545	ppbv	92
19) Isopropyl Alcohol	1.891	45	6194	0.618	ppbv #	56
20) Methylene Chloride	2.069	84	5025	0.715	ppbv	90
21) Allyl Chloride	2.104	41	7120	0.600	ppbv #	76
22) trans-1,2-Dichloroethene	2.350	96	3996	0.556	ppbv	96
23) Vinyl Acetate	2.470	43	13709	0.621	ppbv #	98
24) 1,1-Dichloroethane	2.418	63	8354	0.562	ppbv #	96
25) Ethyl Acetate	2.845	43	22148	0.545	ppbv #	96
26) Hexane	2.832	57	9879	0.527	ppbv	85
27) Carbon Disulfide	2.156	76	9539	0.523	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	5284	0.553	ppbv #	62
29) Chloroform	2.858	83	14586	0.545	ppbv	100
30) Cyclohexane	3.868	84	9037	0.550	ppbv	94
31) cis-1,2-Dichloroethene	2.729	61	10308	0.550	ppbv #	86
32) 1,1,1-Trichloroethane	3.379	97	14011	0.494	ppbv	97
34) 2-Butanone	2.567	43	14923	0.558	ppbv	100
35) Carbon Tetrachloride	3.774	117	13507	0.494	ppbv	97
36) Benzene	3.671	78	20073	0.529	ppbv	98
37) 1,2-Dichloroethane	3.230	62	10141	0.512	ppbv #	93
38) Trichloroethene	4.564	130	9918	0.572	ppbv #	88
39) 1,2-Dichloropropane	4.334	63	7491	0.541	ppbv	86
40) 1,4-Dioxane	4.613	88	3743m	0.577	ppbv	
41) Tetrahydrofuran	3.072	42	7827	0.525	ppbv	93
42) Bromodichloromethane	4.509	83	15580	0.527	ppbv #	94
43) Methyl Methacrylate	4.897	69	8461m	0.544	ppbv	
44) 2,2,4-Trimethylpentane	4.661	57	34237m	0.537	ppbv	
45) t-1,3-Dichloropropene	6.435	75	8911m	0.505	ppbv	

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 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 01:48:25 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

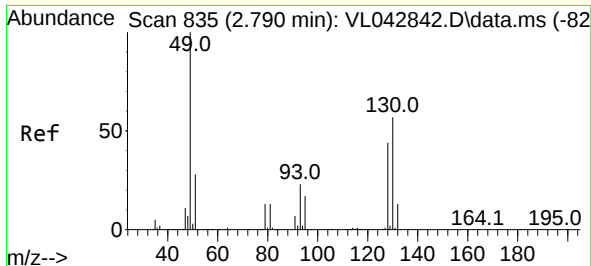
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 14 2025

QLast Update : Thu Aug 14 01:44:36 2025

Response via : Initial Calibration

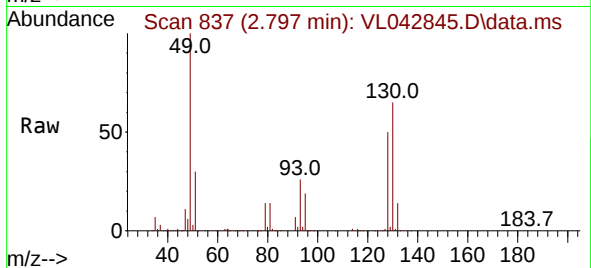
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	11259m	0.508	ppbv	
47) 1,1,2-Trichloroethane	6.603	97	7835m	0.534	ppbv	
48) Dibromochloromethane	7.406	129	11805	0.497	ppbv	100
49) Bromoform	9.497	173	9232	0.471	ppbv	95
50) 4-Methyl-2-Pentanone	5.778	43	19028m	0.524	ppbv	
51) 2-Hexanone	7.458	43	14329	0.503	ppbv #	99
52) Tetrachloroethene	8.244	164	7304	0.531	ppbv #	87
53) Toluene	6.956	91	24155m	0.535	ppbv	
54) 1,2-Dibromoethane	7.668	107	10873	0.507	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.940	131	9300	0.517	ppbv #	1
57) Chlorobenzene	8.937	112	17845	0.539	ppbv #	96
58) Ethyl Benzene	9.370	91	32261	0.525	ppbv	99
59) m/p-Xylene	9.561	91	50372m	1.045	ppbv	
60) o-Xylene	9.979	91	26662	0.551	ppbv	100
61) Styrene	9.885	104	12379	0.546	ppbv	95
62) Isopropylbenzene	10.552	105	37401	0.529	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.976	83	13828	0.523	ppbv	95
64) n-propylbenzene	10.998	120	9922	0.550	ppbv	98
65) tert-Butylbenzene	11.542	119	33183	0.532	ppbv	97
66) Benzyl Chloride	11.626	91	4039	0.510	ppbv #	97
67) sec-Butylbenzene	11.778	105	46433	0.530	ppbv	96
69) p-Isopropyltoluene	11.934	119	40686	0.541	ppbv	99
70) n-Butylbenzene	12.290	91	38867	0.521	ppbv	99
71) 2-Chlorotoluene	10.911	91	29736	0.541	ppbv	97
72) 4-Ethyltoluene	11.138	105	30234	0.515	ppbv	97
73) 1,3,5-Trimethylbenzene	11.212	105	26942	0.540	ppbv	99
74) 1,2,4-Trimethylbenzene	11.545	105	29750	0.543	ppbv	94
75) 1,3-Dichlorobenzene	11.617	146	16311	0.524	ppbv	95
76) 1,4-Dichlorobenzene	11.681	146	16803	0.533	ppbv	98
77) 1,2-Dichlorobenzene	11.956	146	16306	0.535	ppbv	97
78) Hexachloro-1,3-Butadiene	13.885	225	14165	0.567	ppbv	99
79) Naphthalene	13.520	128	24056	0.491	ppbv	96
80) Naphthalene,2-methyl-	14.465	142	7482	0.405	ppbv	95
81) 1,2,4-Trichlorobenzene	13.449	180	10844	0.434	ppbv	97

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 835
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

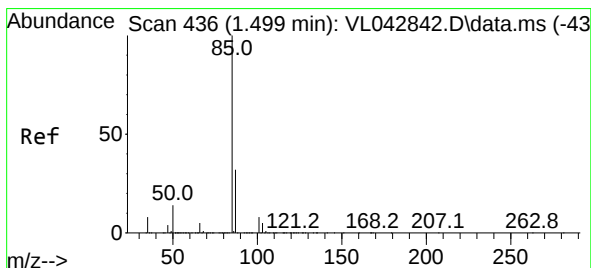
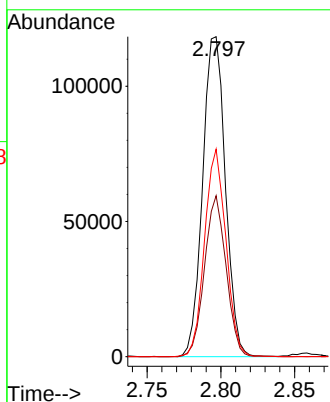
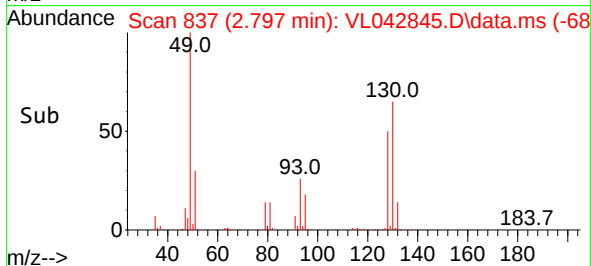
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 49 Resp: 126879
Ion Ratio Lower Upper
49 100
128 47.7 23.7 71.1
130 60.9 30.6 91.6

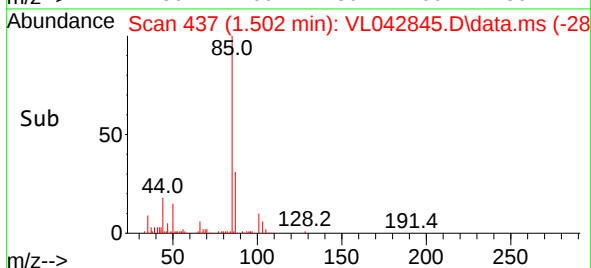
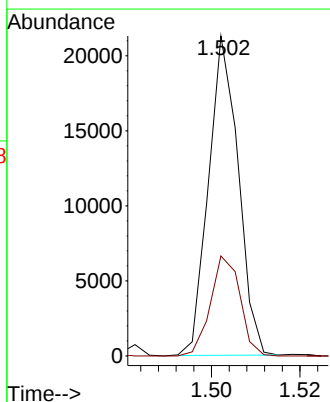
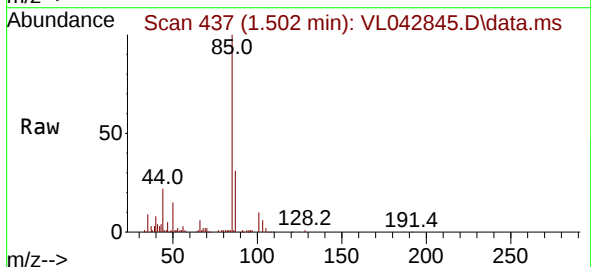
Manual Integrations
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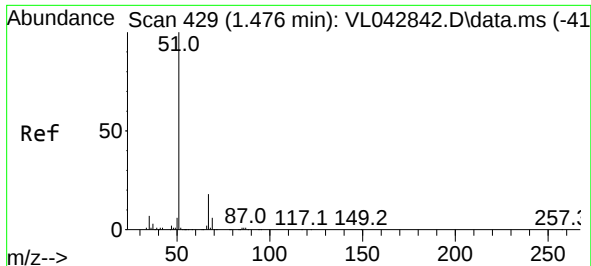
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#2
Dichlorodifluoromethane
Concen: 0.534 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

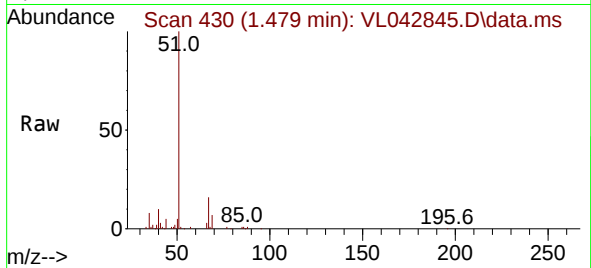
Tgt Ion: 85 Resp: 9937
Ion Ratio Lower Upper
85 100
87 31.3 25.3 37.9





#3
Chlorodifluoromethane
Concen: 0.540 ppbv
RT: 1.479 min Scan# 411
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

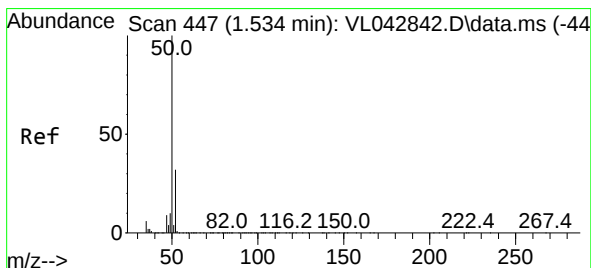
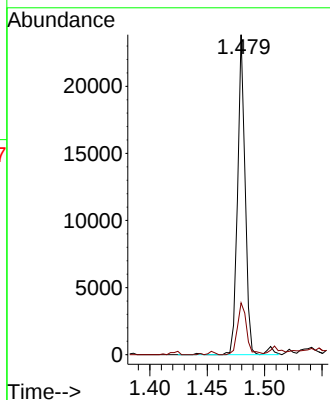
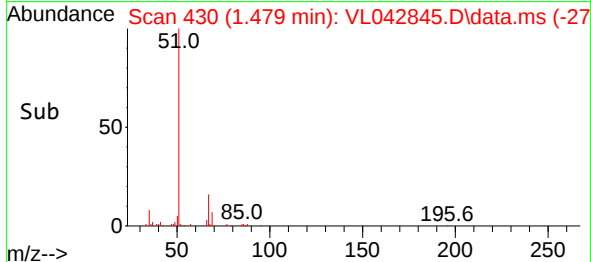
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



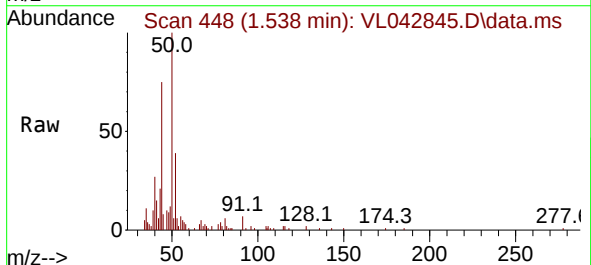
Tgt Ion: 51 Resp: 1111
Ion Ratio Lower Upper
51 100
67 20.5 14.9 22.3

Manual Integrations
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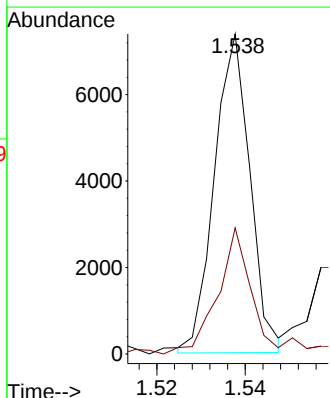
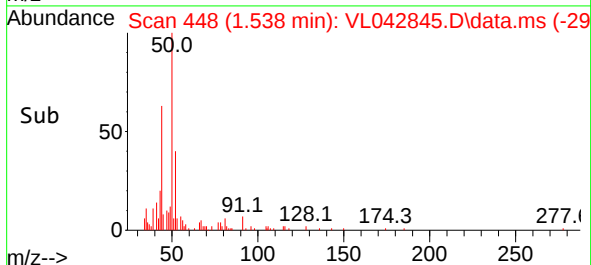
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Supervised By :Mahesh Dadoda 08/18/2025

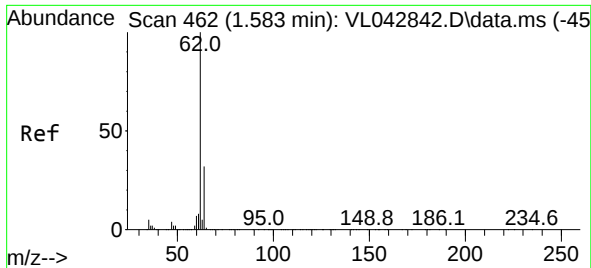


#4
Chloromethane
Concen: 0.548 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17



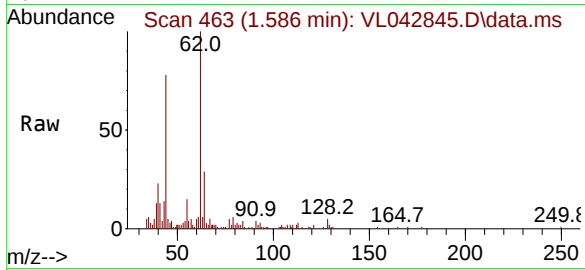
Tgt Ion: 50 Resp: 4112
Ion Ratio Lower Upper
50 100
52 38.2 25.9 38.9





#5
 Vinyl Chloride
 Concen: 0.509 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

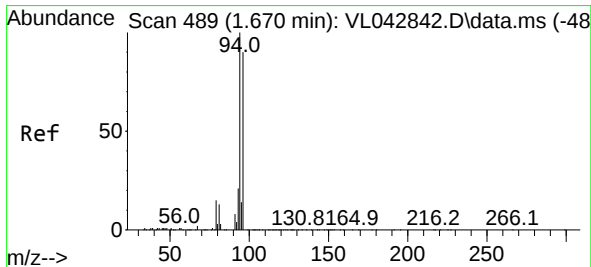
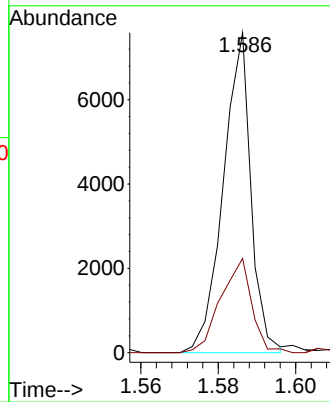
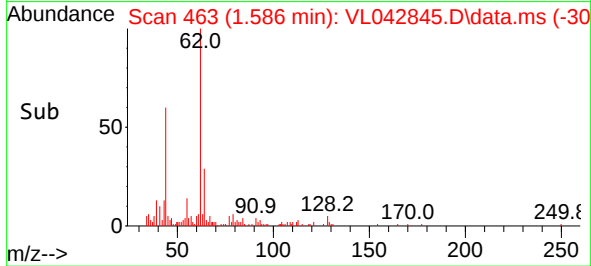
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



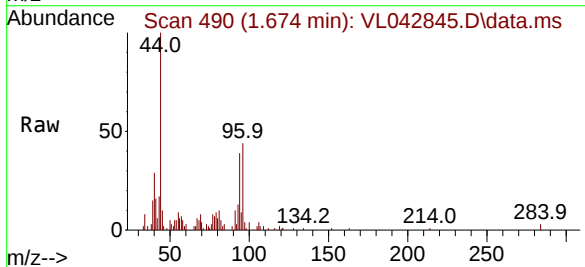
Tgt Ion: 62 Resp: 3762
 Ion Ratio Lower Upper
 62 100
 64 28.3 25.4 38.2

Manual Integrations
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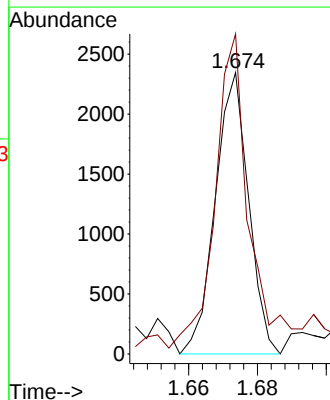
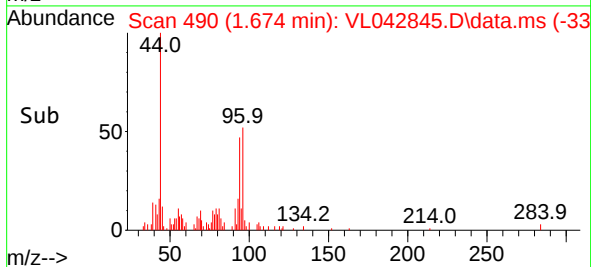
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

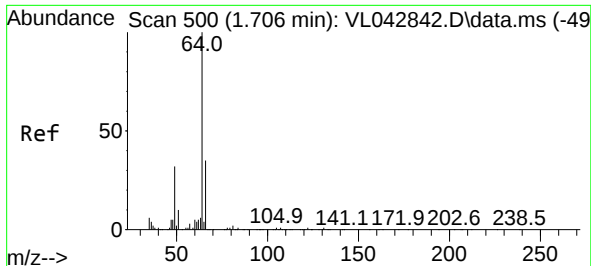


#6
 Bromomethane
 Concen: 0.533 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17



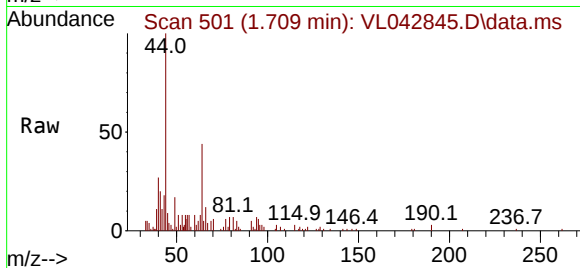
Tgt Ion: 94 Resp: 1576
 Ion Ratio Lower Upper
 94 100
 96 106.9 72.1 108.1





#7
Chloroethane
Concen: 0.586 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

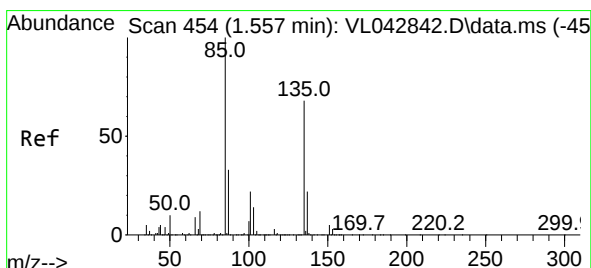
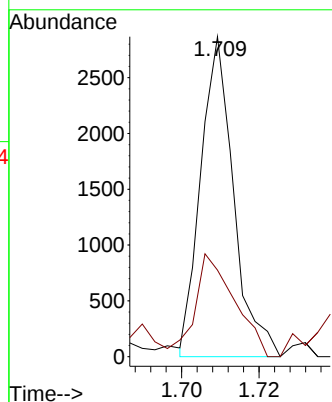
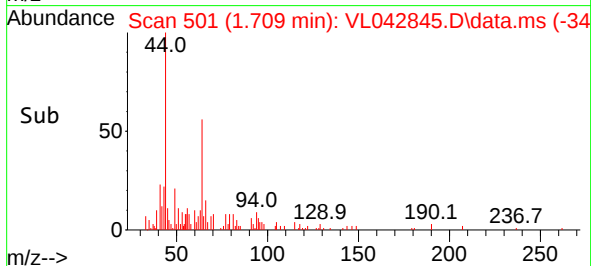
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



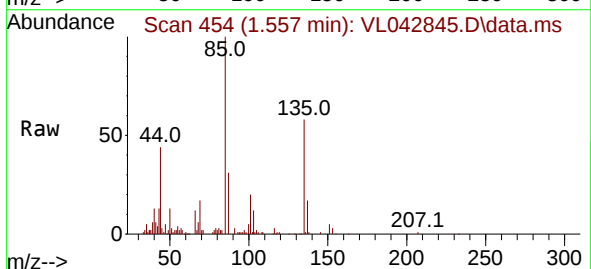
Tgt Ion: 64 Resp: 1690
Ion Ratio Lower Upper
64 100
66 27.0 28.6 42.8

Manual Integrations
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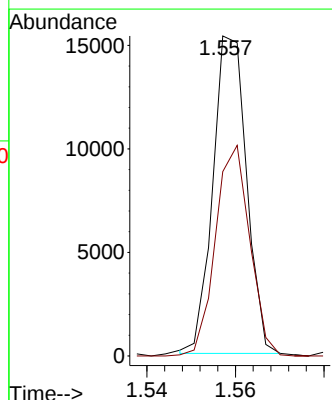
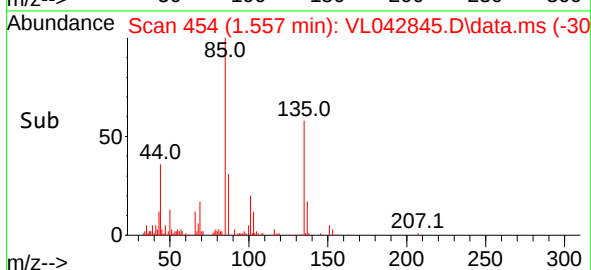
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

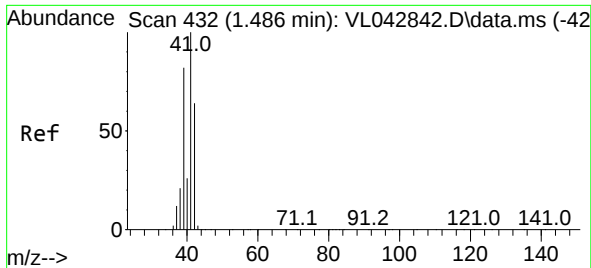


#8
Dichlorotetrafluoroethane
Concen: 0.531 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17



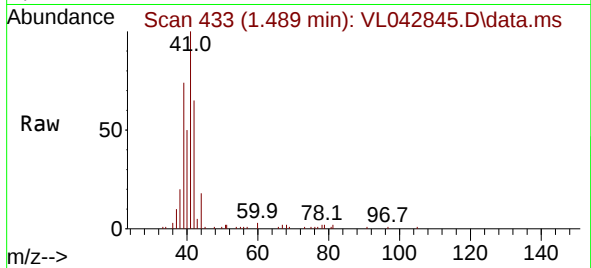
Tgt Ion: 85 Resp: 8079
Ion Ratio Lower Upper
85 100
135 67.7 51.2 76.8





#9
Propene
Concen: 0.589 ppbv
RT: 1.489 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

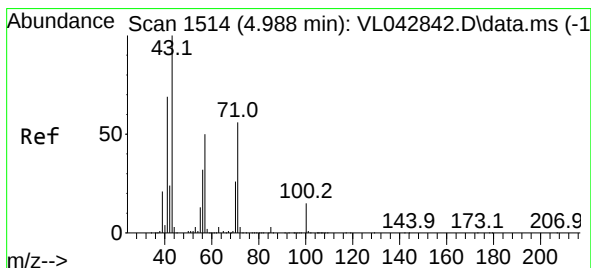
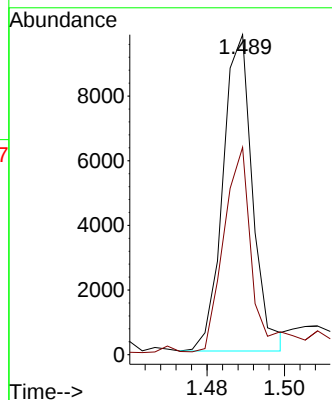
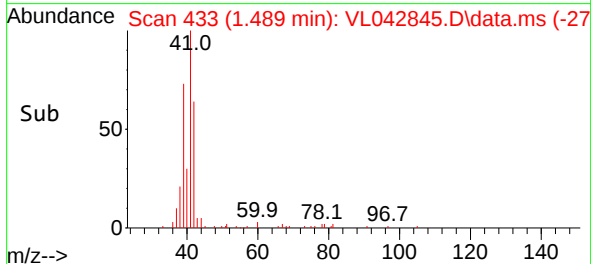
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



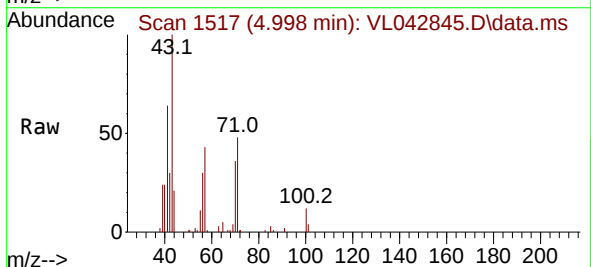
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Ion Ratio Lower Upper
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42 73.7 53.0 79.4

Manual Integrations
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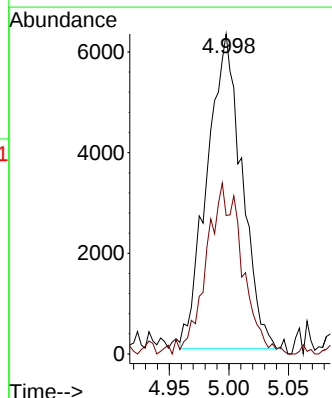
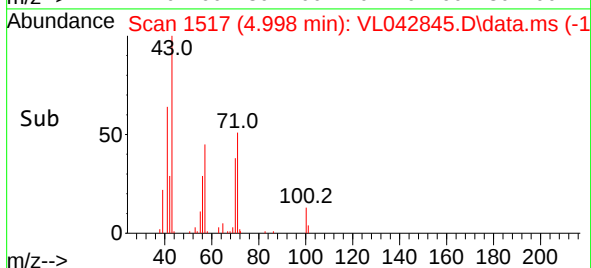
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Supervised By :Mahesh Dadoda 08/18/2025

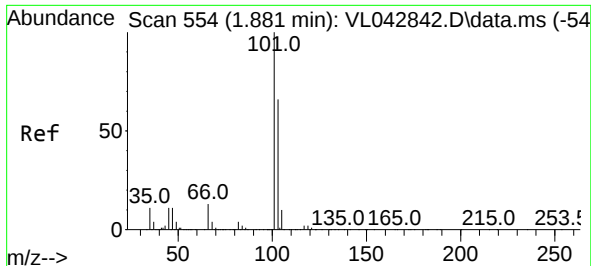


#10
Heptane
Concen: 0.537 ppbv
RT: 4.998 min Scan# 1517
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17



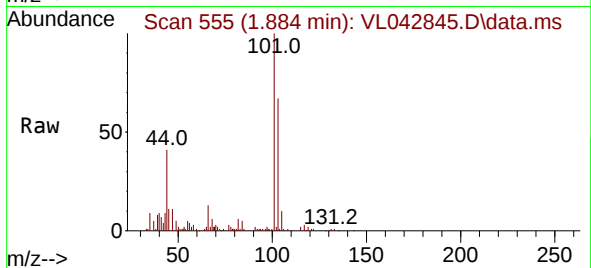
Tgt Ion: 43 Resp: 12747
Ion Ratio Lower Upper
43 100
57 56.9 41.4 62.0





#11
 Trichlorofluoromethane
 Concen: 0.558 ppbv
 RT: 1.884 min Scan# 554
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

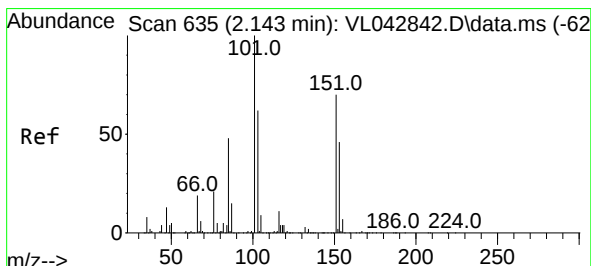
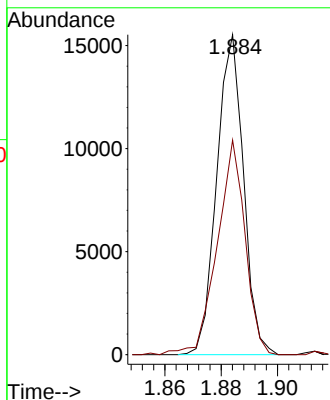
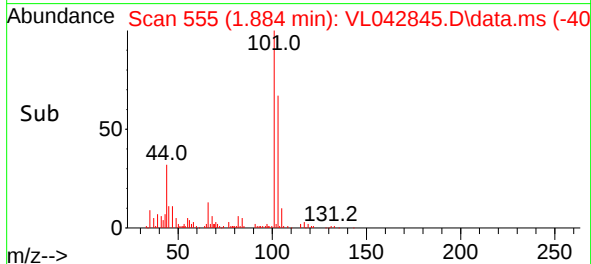
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



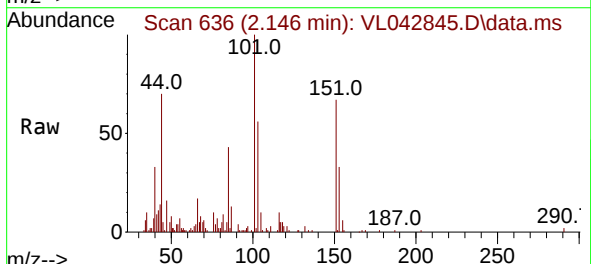
Tgt Ion:101 Resp: 10238
 Ion Ratio Lower Upper
 101 100
 103 67.0 52.5 78.7

Manual Integrations
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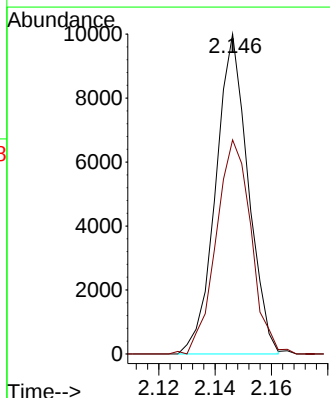
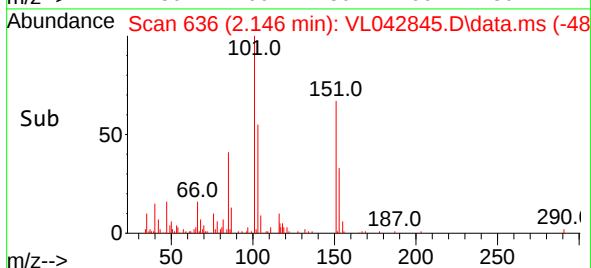
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

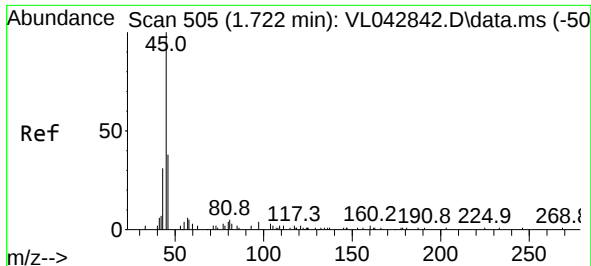


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.546 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17



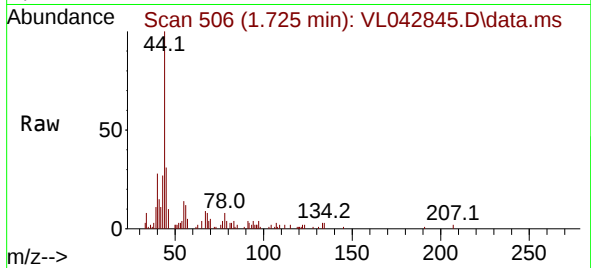
Tgt Ion:101 Resp: 7984
 Ion Ratio Lower Upper
 101 100
 151 72.3 56.4 84.6





#13
Ethanol
Concen: 0.639 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

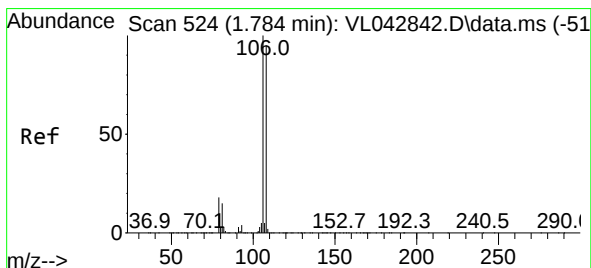
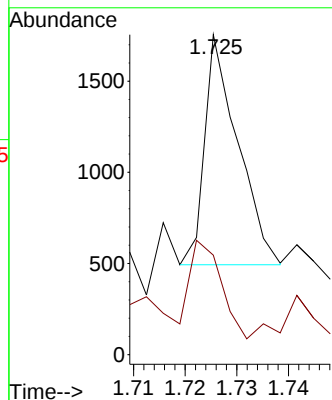
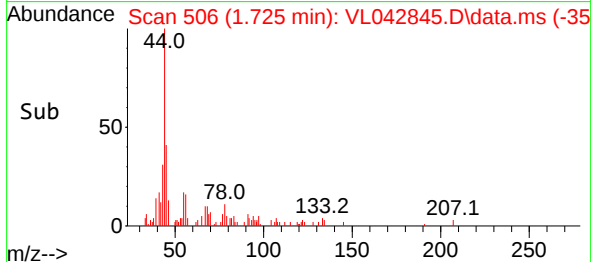
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



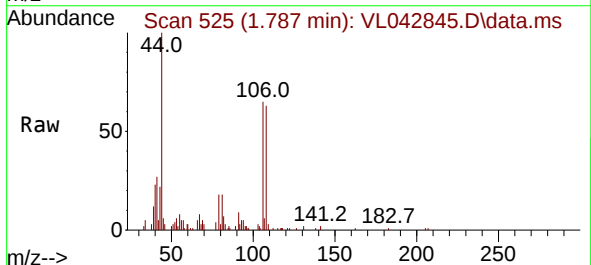
Tgt Ion: 45 Resp: 562
Ion Ratio Lower Upper
45 100
46 131.5 17.5 69.9

Manual Integrations
APPROVED

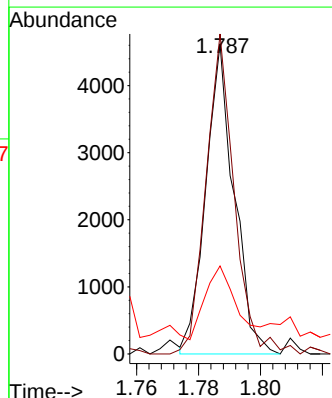
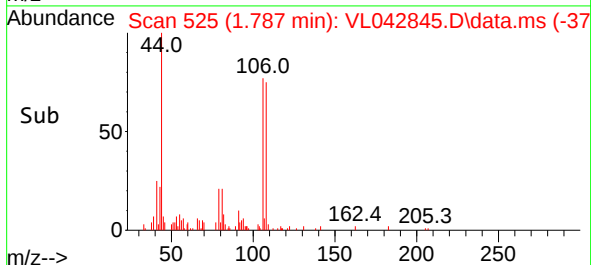
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

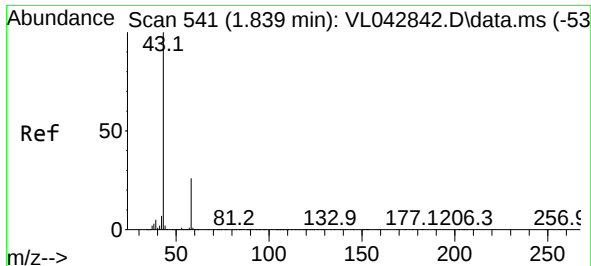


#14
Bromoethene
Concen: 0.554 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17



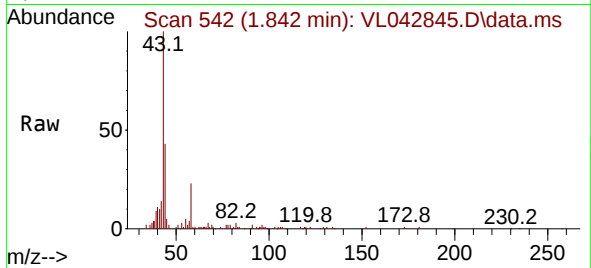
Tgt Ion:108 Resp: 2932
Ion Ratio Lower Upper
108 100
106 106.1 85.1 127.7
79 62.6 16.3 24.5





#15
Acetone
Concen: 0.646 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

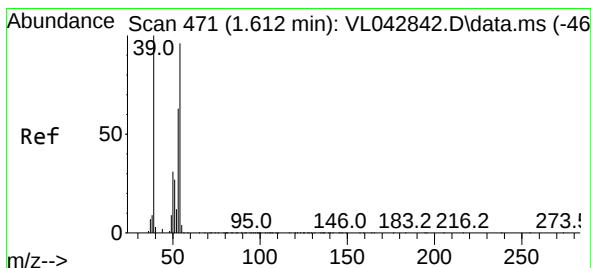
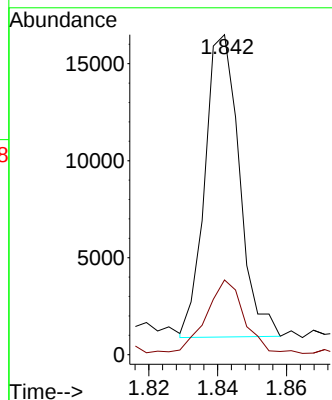
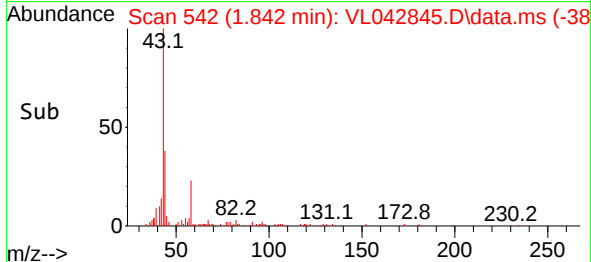
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



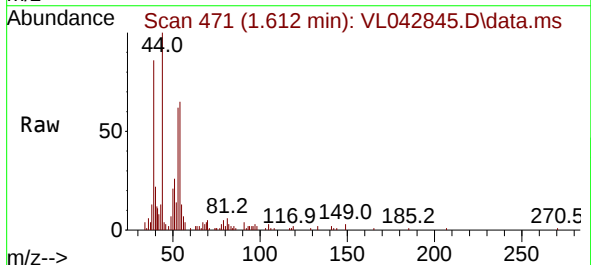
Tgt Ion: 43 Resp: 10830
Ion Ratio Lower Upper
43 100
58 26.8 22.4 33.6

Manual Integrations
APPROVED

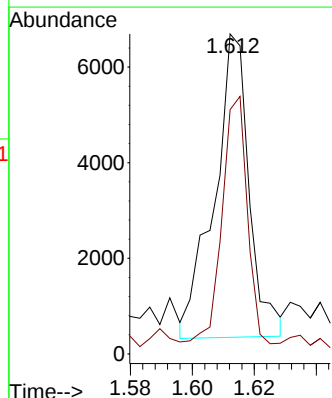
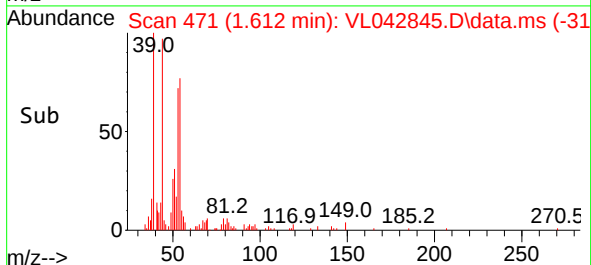
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

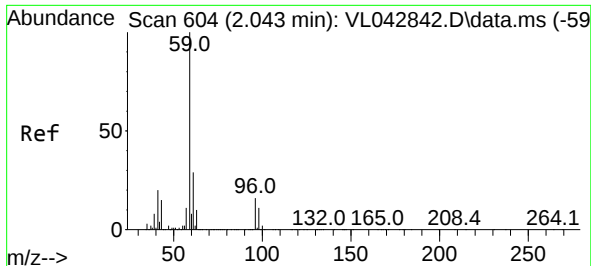


#16
1,3-Butadiene
Concen: 0.653 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17



Tgt Ion: 39 Resp: 4970
Ion Ratio Lower Upper
39 100
54 78.6 63.6 95.4





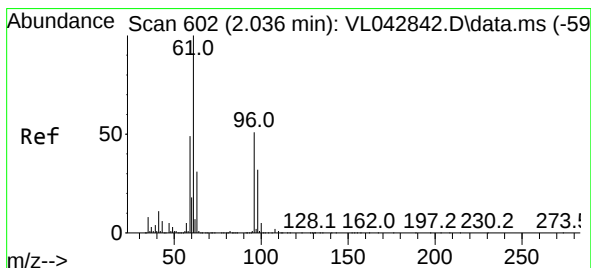
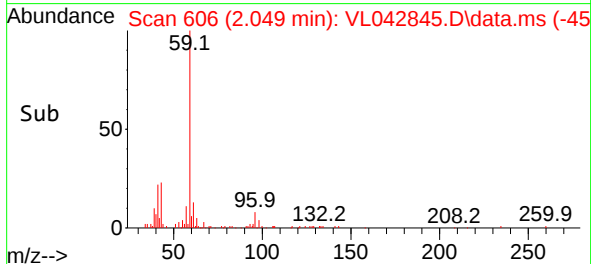
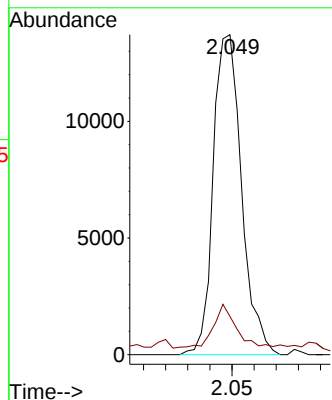
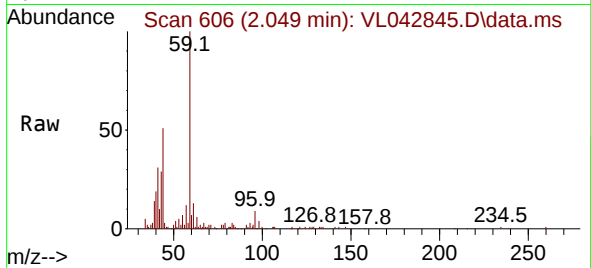
#17
tert-Butyl alcohol
Concen: 0.612 ppbv
RT: 2.049 min Scan# 604
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 59 Resp: 1218
Ion Ratio Lower Upper
59 100
57 15.3 9.0 13.4

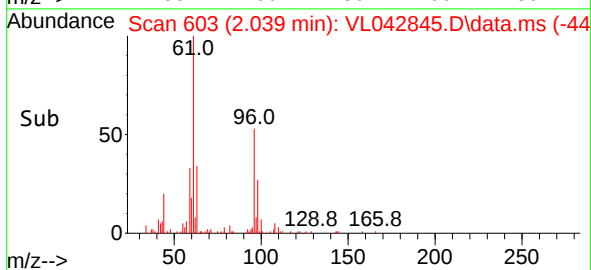
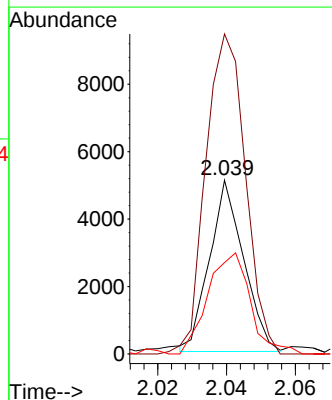
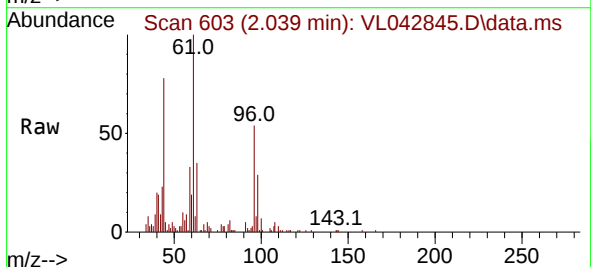
Manual Integrations
APPROVED

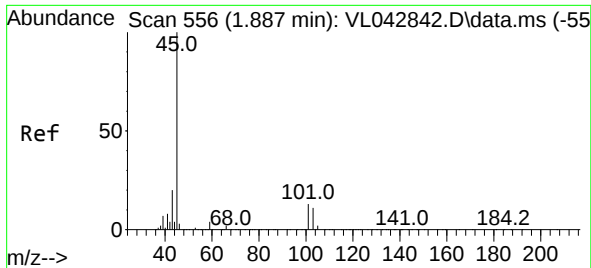
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#18
1,1-Dichloroethene
Concen: 0.545 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 96 Resp: 3501
Ion Ratio Lower Upper
96 100
61 188.2 158.2 237.4
98 53.8 50.6 76.0





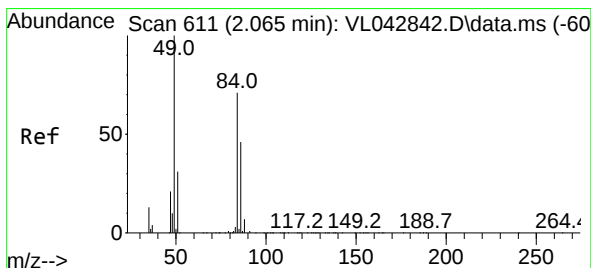
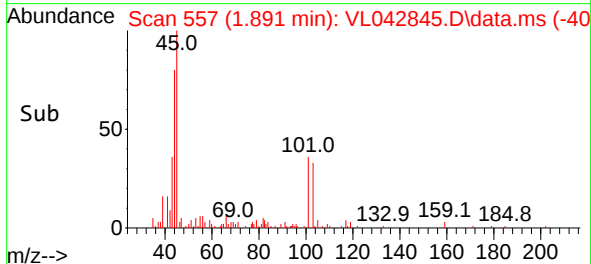
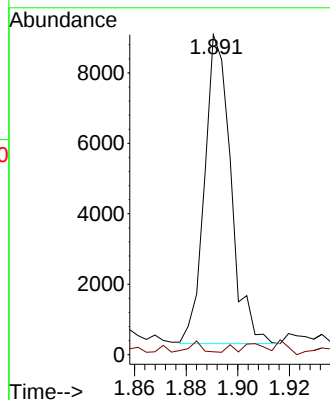
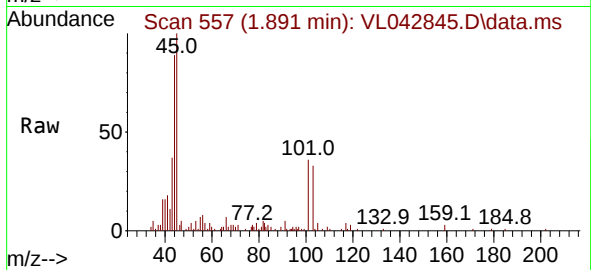
#19
Isopropyl Alcohol
Concen: 0.618 ppbv
RT: 1.891 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 6194
Ion Ratio Lower Upper
45 100
58 13.3 32.7 49.1

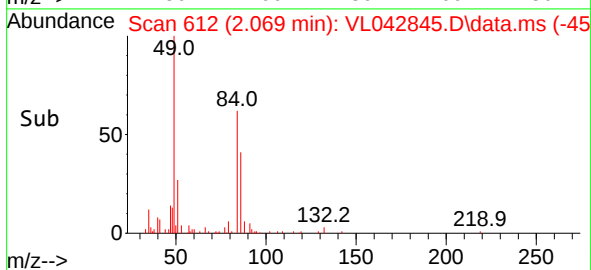
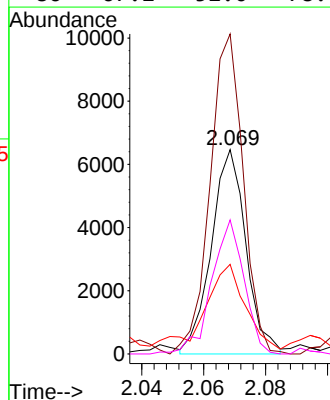
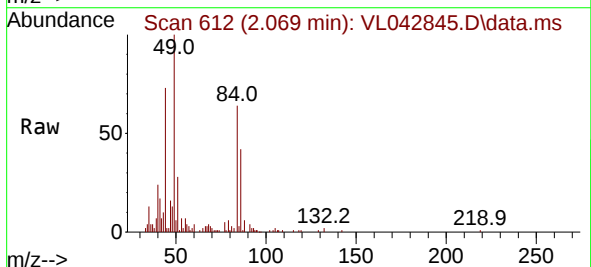
Manual Integrations
APPROVED

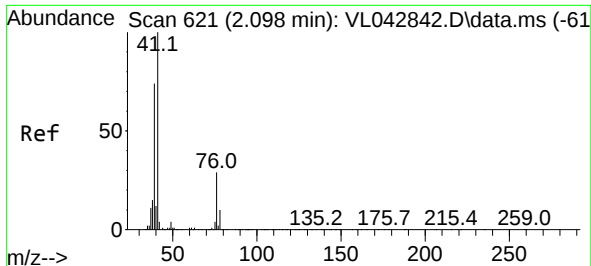
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#20
Methylene Chloride
Concen: 0.715 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

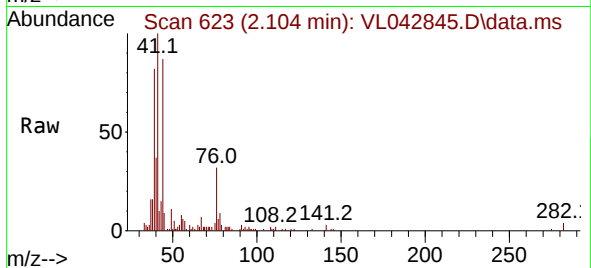
Tgt Ion: 84 Resp: 5025
Ion Ratio Lower Upper
84 100
49 159.3 112.3 168.5
51 42.5 36.0 54.0
86 67.2 52.0 78.0





#21
 Allyl Chloride
 Concen: 0.600 ppbv
 RT: 2.104 min Scan# 611
 Delta R.T. 0.006 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

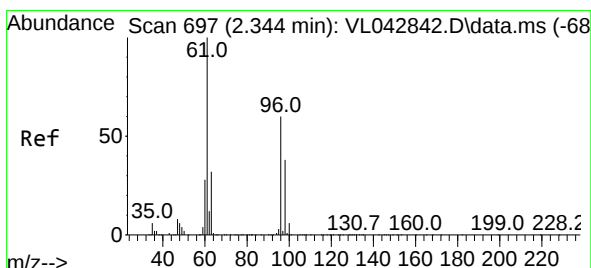
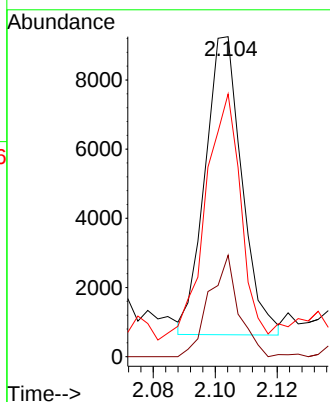
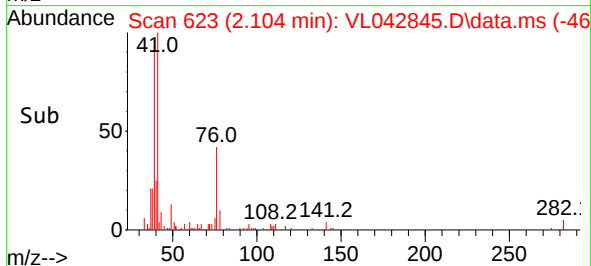
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



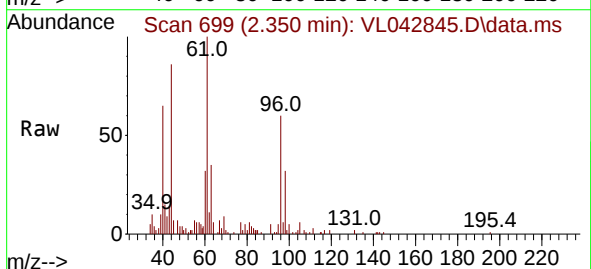
Tgt Ion: 41 Resp: 7120
 Ion Ratio Lower Upper
 41 100
 76 27.8 23.9 35.9
 39 98.9 57.8 86.6

Manual Integrations
 APPROVED

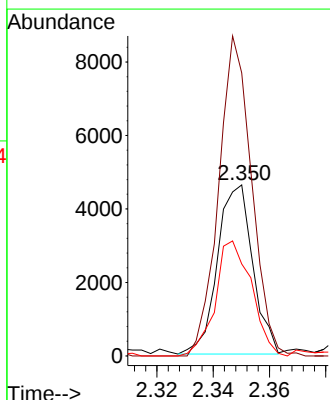
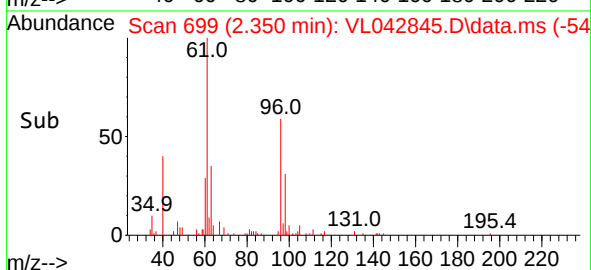
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

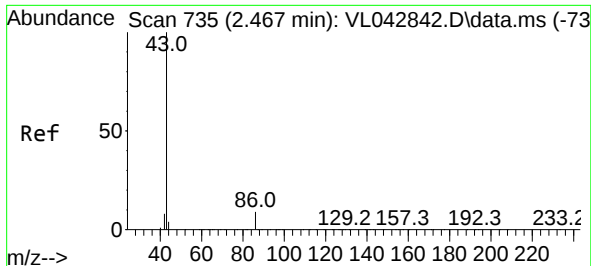


#22
 trans-1,2-Dichloroethene
 Concen: 0.556 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. 0.006 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17



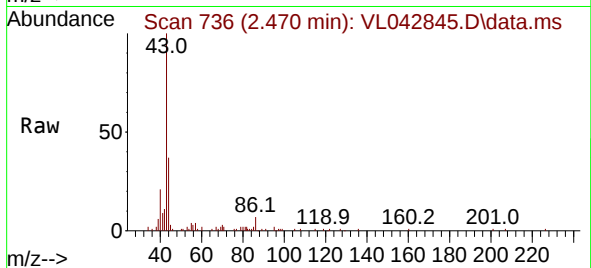
Tgt Ion: 96 Resp: 3996
 Ion Ratio Lower Upper
 96 100
 61 167.3 132.6 199.0
 98 54.4 50.0 75.0





#23
 Vinyl Acetate
 Concen: 0.621 ppbv
 RT: 2.470 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

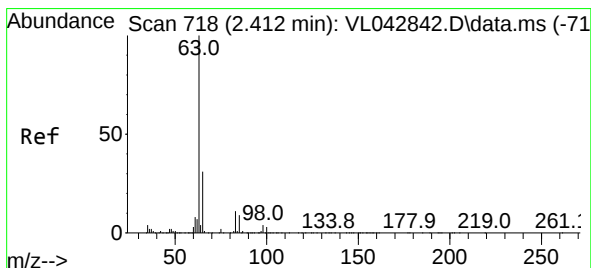
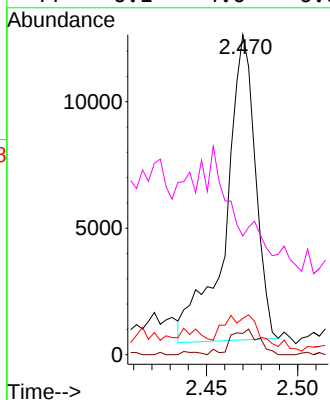
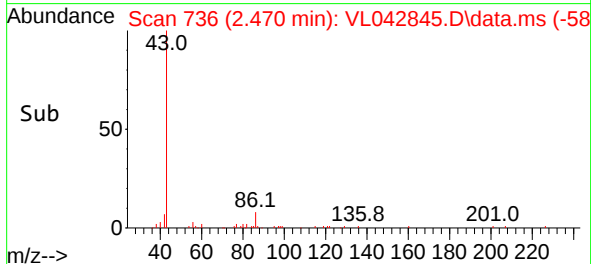
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



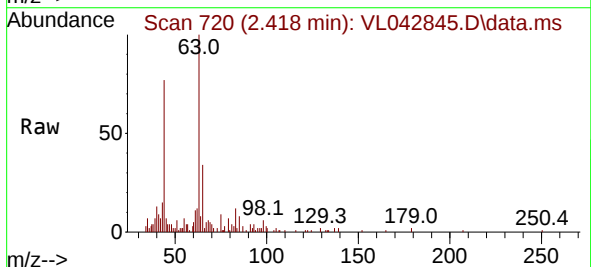
Tgt Ion: 43 Resp: 13709
 Ion Ratio Lower Upper
 43 100
 86 7.0 6.6 9.8
 42 9.3 7.0 10.6
 44 6.1 4.0 6.0#

Manual Integrations
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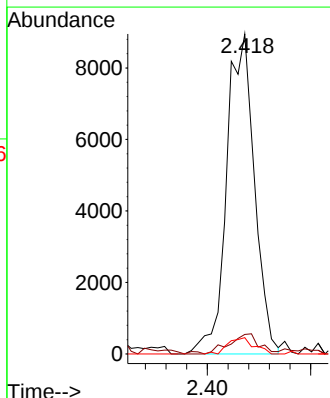
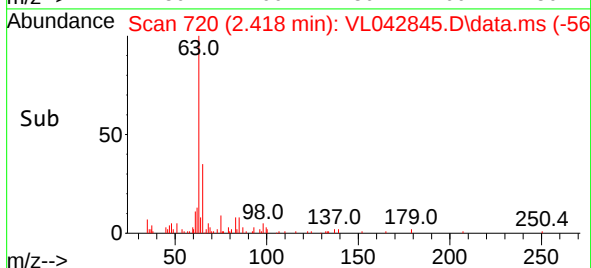
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#24
 1,1-Dichloroethane
 Concen: 0.562 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.006 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17



Tgt Ion: 63 Resp: 8354
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.1 6.5
 100 5.1 1.7 5.1#





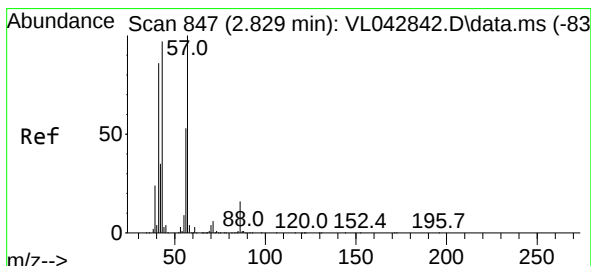
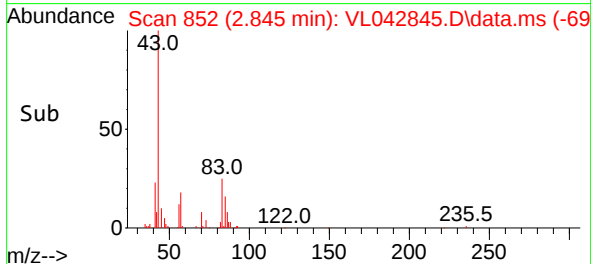
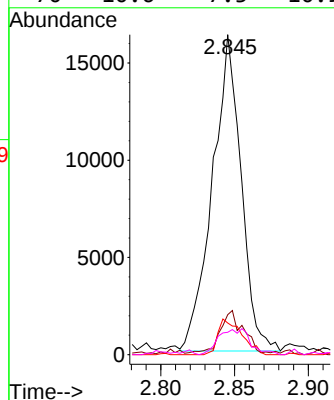
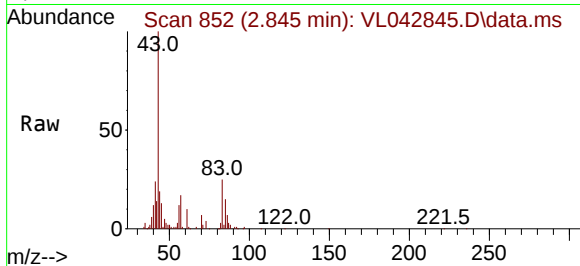
#25
Ethyl Acetate
Concen: 0.545 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 2214
Ion Ratio Lower Upper
43 100
45 13.2 8.1 12.1
61 9.4 7.4 11.2
70 10.6 7.3 10.9

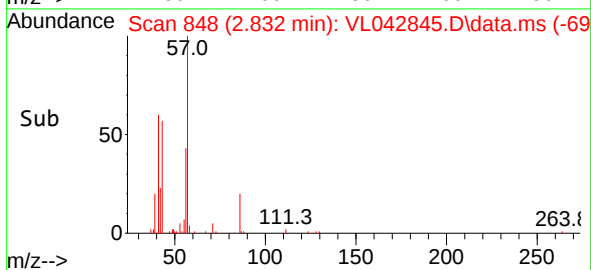
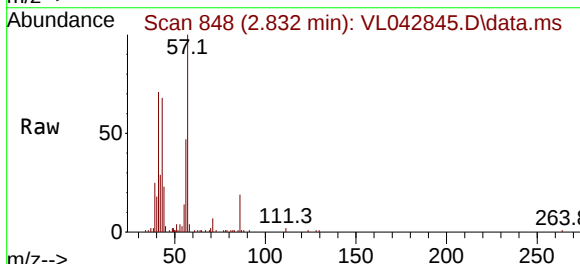
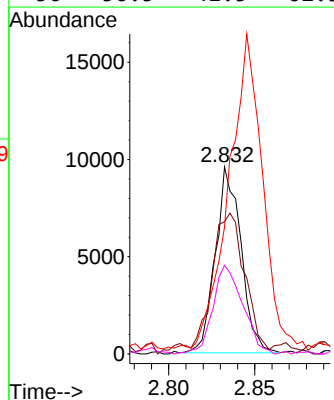
Manual Integrations
APPROVED

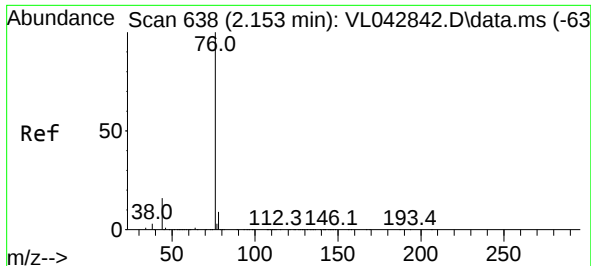
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#26
Hexane
Concen: 0.527 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

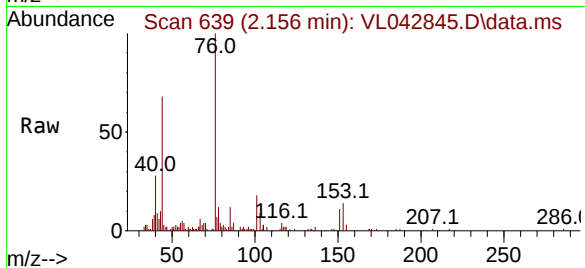
Tgt Ion: 57 Resp: 9879
Ion Ratio Lower Upper
57 100
41 100.6 68.6 103.0
43 236.9 168.5 252.7
56 56.5 41.5 62.3





#27
Carbon Disulfide
Concen: 0.523 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

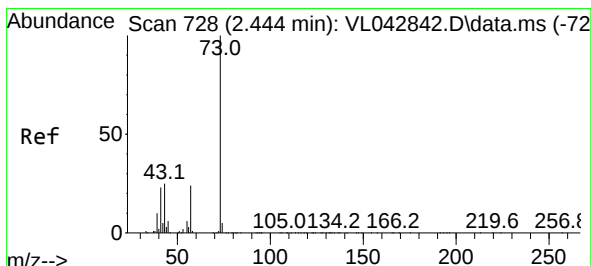
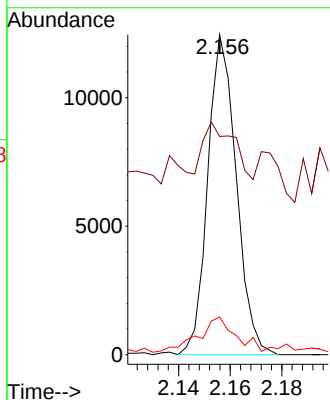
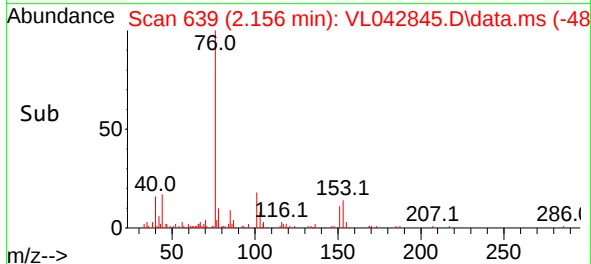
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



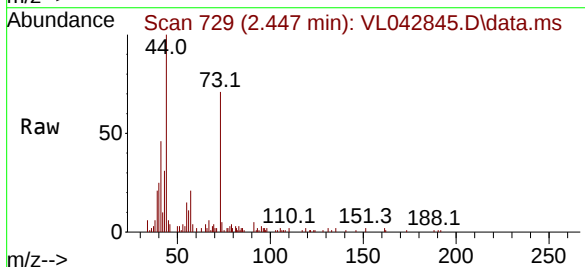
Tgt Ion: 76 Resp: 9539
Ion Ratio Lower Upper
76 100
44 136.8 15.9 23.9
78 22.2 9.5 14.3

Manual Integrations
APPROVED

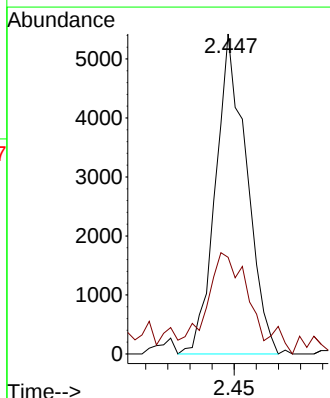
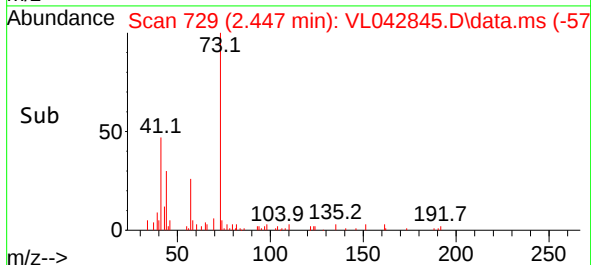
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

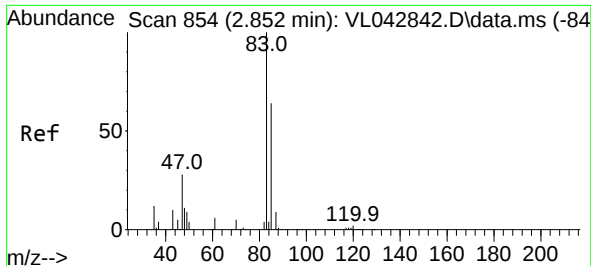


#28
Methyl tert-Butyl Ether
Concen: 0.553 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17



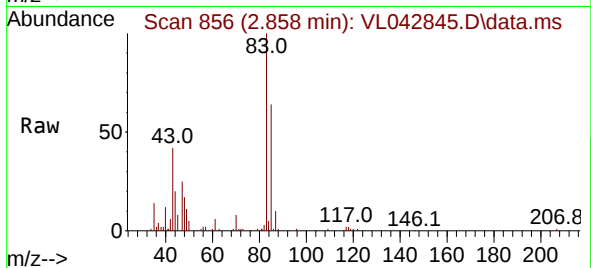
Tgt Ion: 73 Resp: 5284
Ion Ratio Lower Upper
73 100
57 46.5 21.6 32.4





#29
Chloroform
Concen: 0.545 ppbv
RT: 2.858 min Scan# 856
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

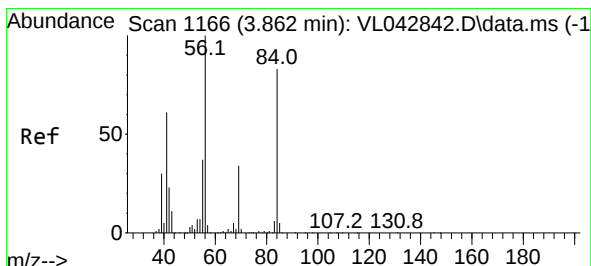
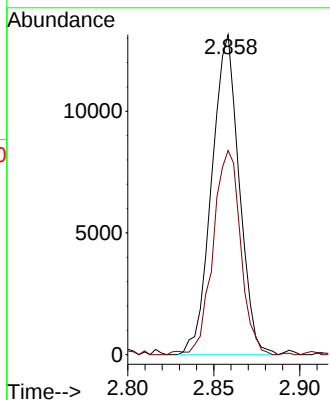
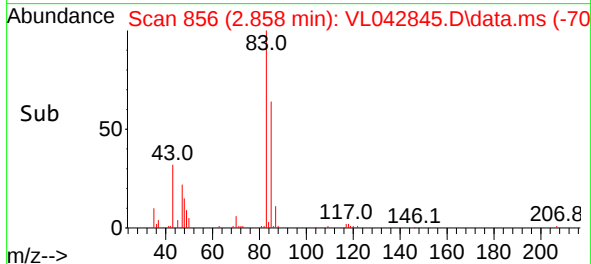
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



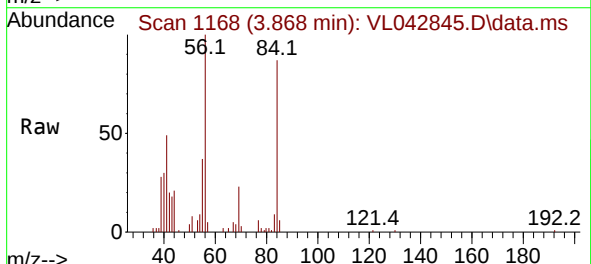
Tgt Ion: 83 Resp: 14580
Ion Ratio Lower Upper
83 100
85 63.8 51.1 76.7

Manual Integrations
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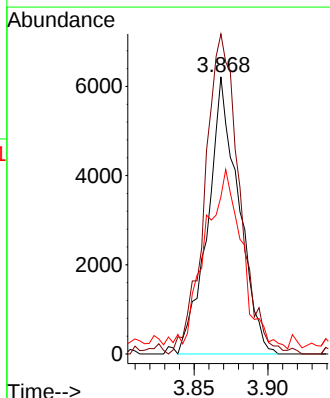
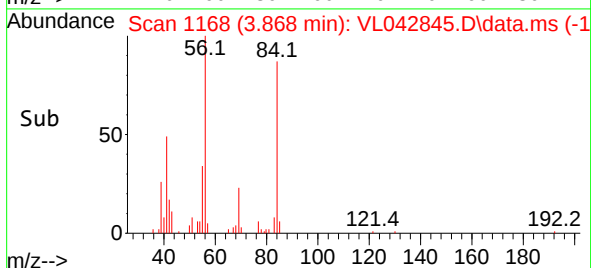
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

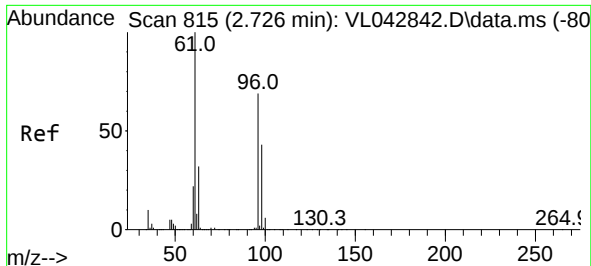


#30
Cyclohexane
Concen: 0.550 ppbv
RT: 3.868 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17



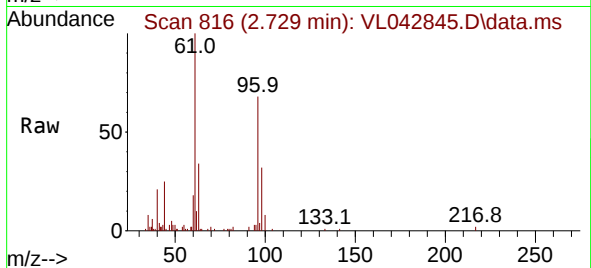
Tgt Ion: 84 Resp: 9037
Ion Ratio Lower Upper
84 100
56 131.1 98.8 148.2
41 80.1 61.3 91.9





#31
 cis-1,2-Dichloroethene
 Concen: 0.550 ppbv
 RT: 2.729 min Scan# 815
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

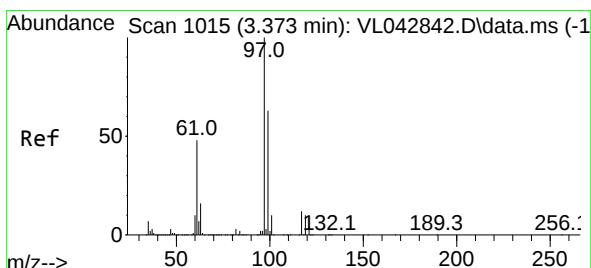
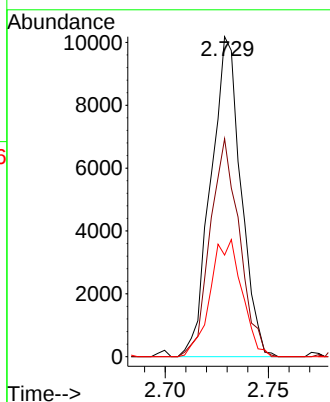
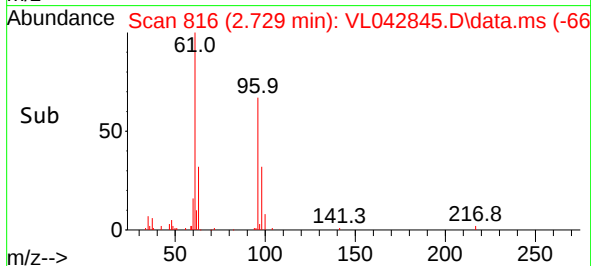
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



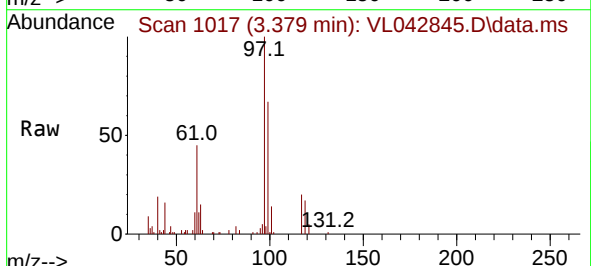
Tgt Ion: 61 Resp: 10308
 Ion Ratio Lower Upper
 61 100
 96 61.7 55.0 82.6
 98 28.7 34.3 51.5

Manual Integrations
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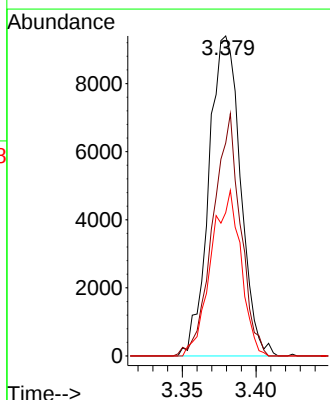
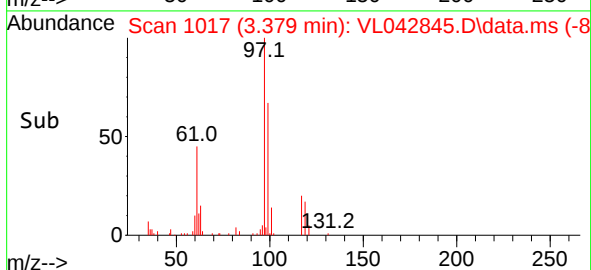
Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

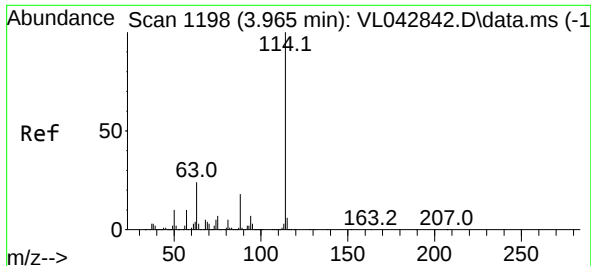


#32
 1,1,1-Trichloroethane
 Concen: 0.494 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. 0.007 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17



Tgt Ion: 97 Resp: 14011
 Ion Ratio Lower Upper
 97 100
 99 66.4 51.0 76.6
 61 48.9 38.0 57.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

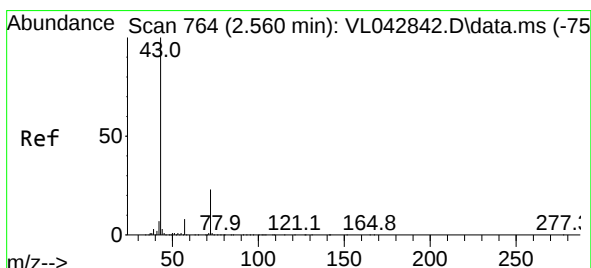
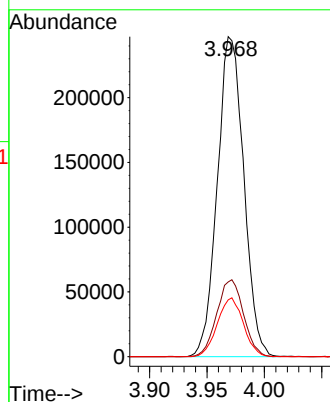
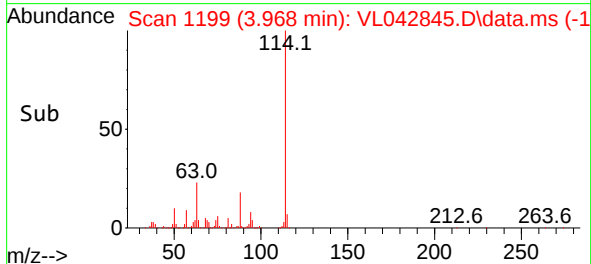
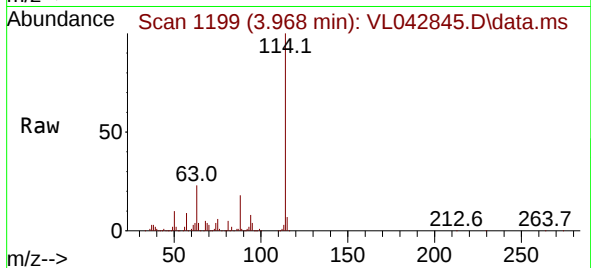
VSTDIC0.5

Tgt Ion:	114	Resp:	396264
Ion Ratio	Lower	Upper	
114	100		
63	24.3	19.7	29.5
88	18.1	14.4	21.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#34

2-Butanone

Concen: 0.558 ppbv

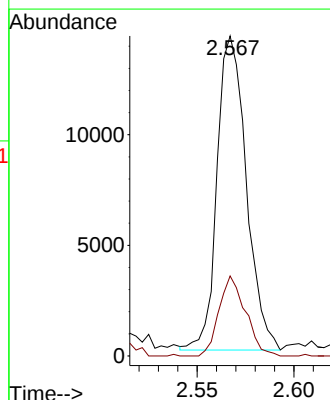
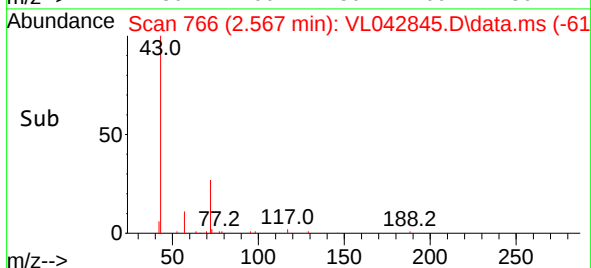
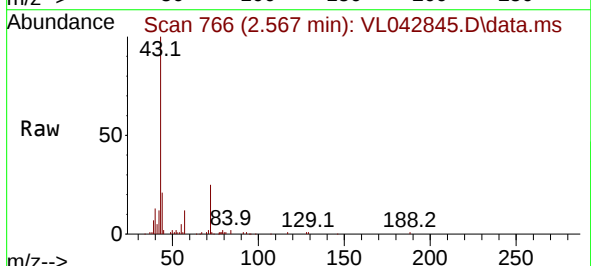
RT: 2.567 min Scan# 766

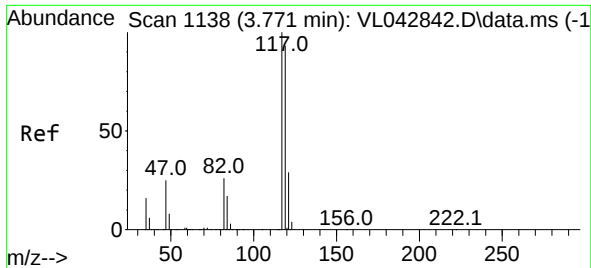
Delta R.T. 0.006 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

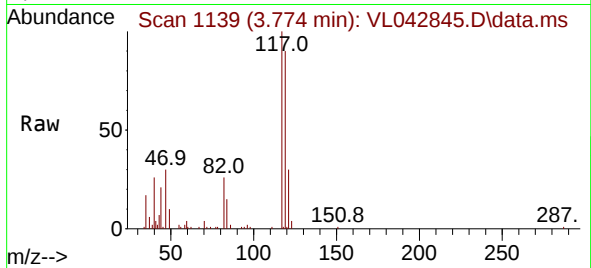
Tgt Ion:	43	Resp:	14923
Ion Ratio	Lower	Upper	
43	100		
72	23.3	18.6	28.0





#35
Carbon Tetrachloride
Concen: 0.494 ppbv
RT: 3.774 min Scan# 1138
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

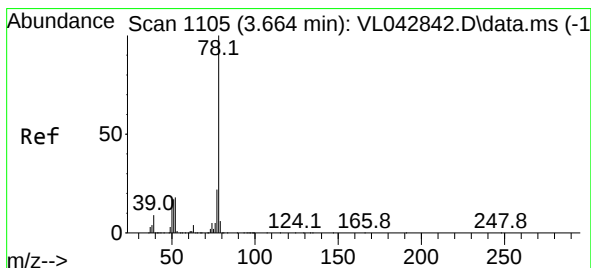
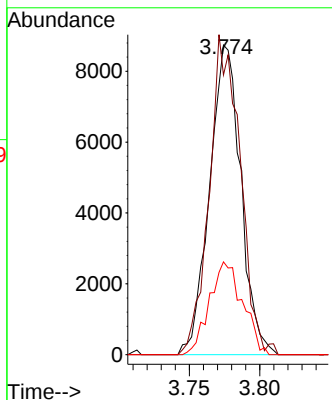
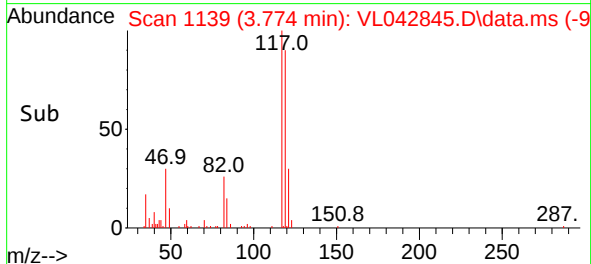
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



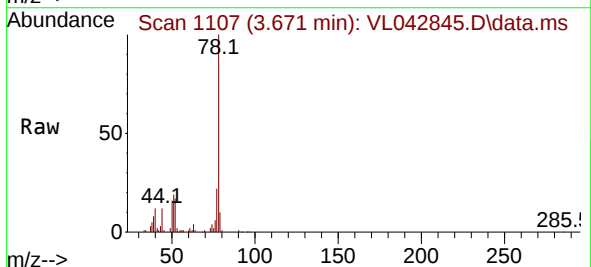
Tgt Ion: 117 Resp: 1350
Ion Ratio Lower Upper
117 100
119 90.3 74.7 112.1
121 30.0 23.2 34.8

Manual Integrations
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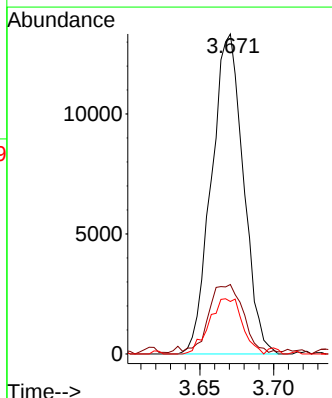
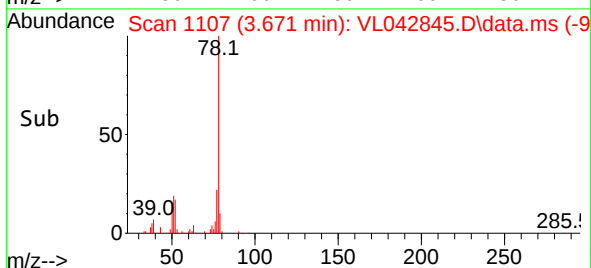
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

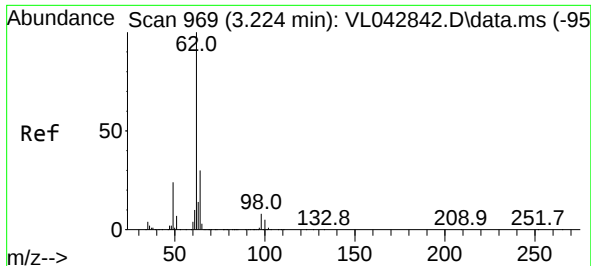


#36
Benzene
Concen: 0.529 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17



Tgt Ion: 78 Resp: 20073
Ion Ratio Lower Upper
78 100
77 21.0 17.7 26.5
50 16.4 13.9 20.9





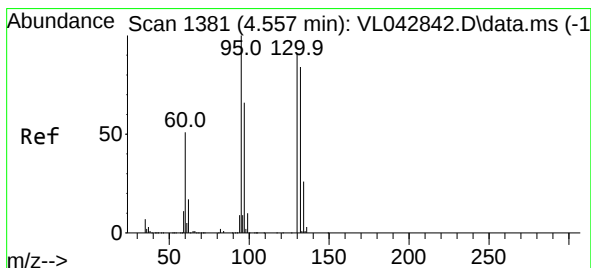
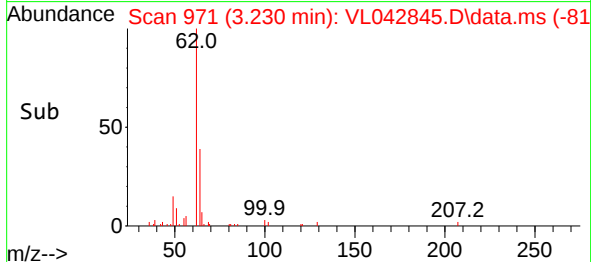
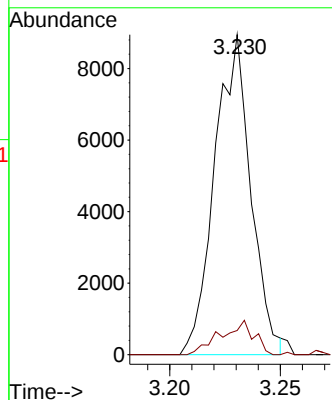
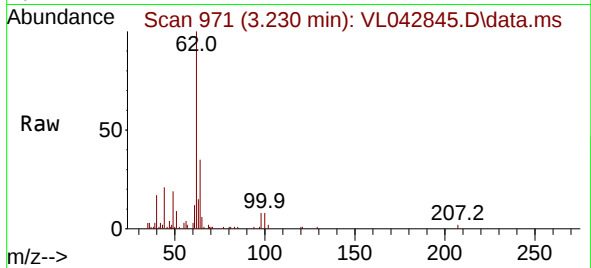
#37
1,2-Dichloroethane
Concen: 0.512 ppbv
RT: 3.230 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 1014
Ion Ratio Lower Upper
62 100
98 10.0 5.9 8.9

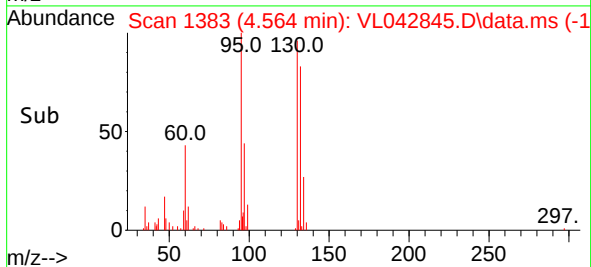
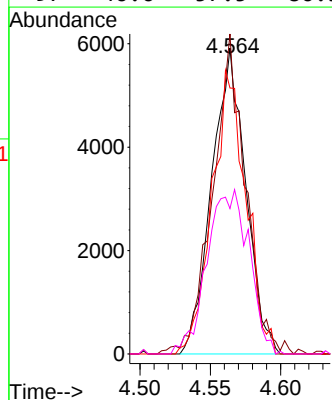
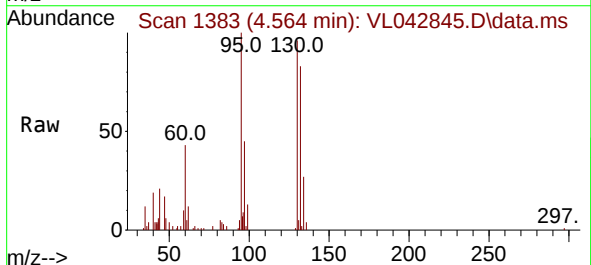
Manual Integrations
APPROVED

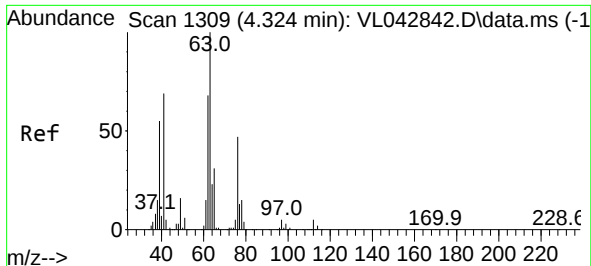
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#38
Trichloroethene
Concen: 0.572 ppbv
RT: 4.564 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:130 Resp: 9918
Ion Ratio Lower Upper
130 100
95 103.5 87.6 131.4
132 86.9 73.8 110.8
97 46.6 57.5 86.3





#39

1,2-Dichloropropane

Concen: 0.541 ppbv

RT: 4.334 min Scan# 1312

Delta R.T. 0.010 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

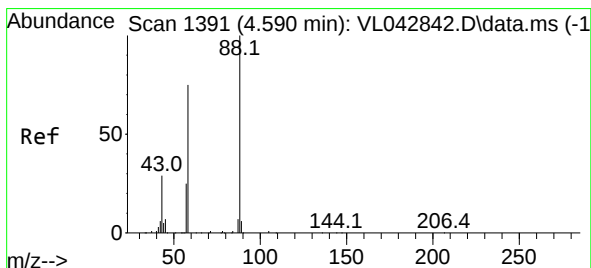
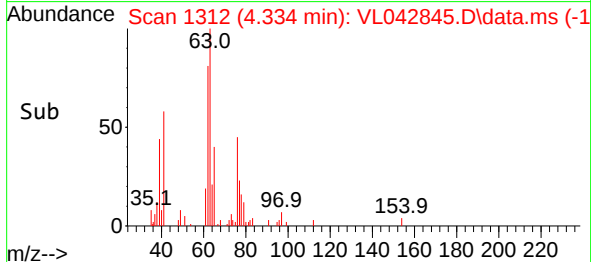
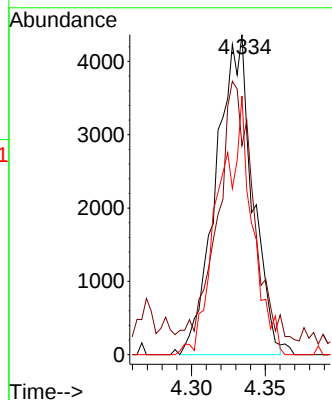
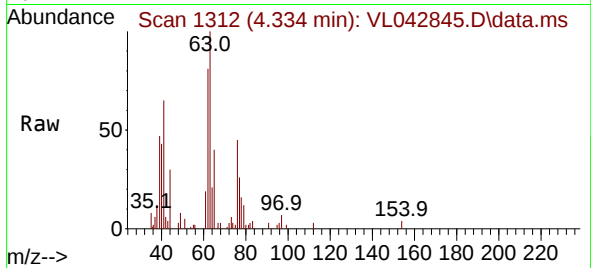
VSTDICC0.5

Tgt Ion: 63	Resp: 749
Ion Ratio	Lower Upper
63 100	
41 57.8	55.0 82.4
62 79.7	54.4 81.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#40

1,4-Dioxane

Concen: 0.577 ppbv m

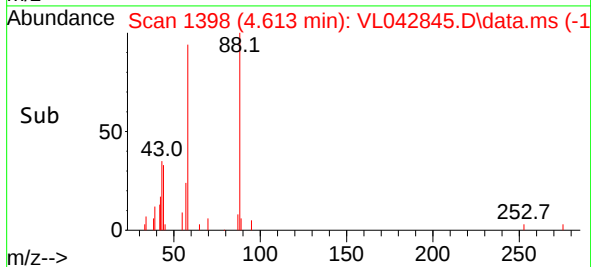
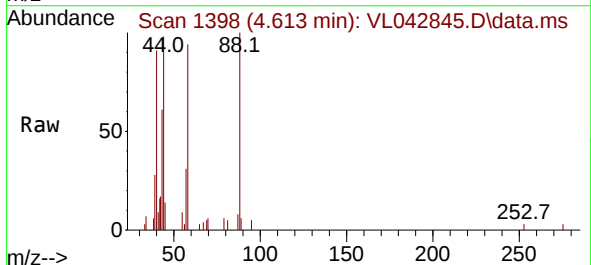
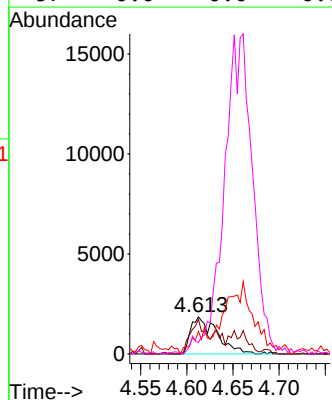
RT: 4.613 min Scan# 1398

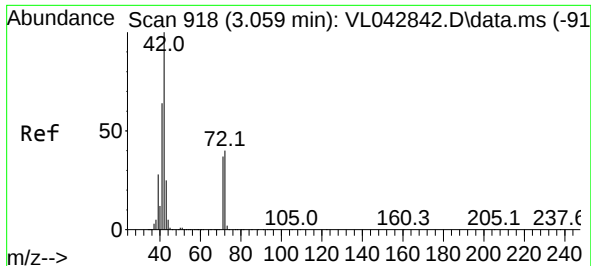
Delta R.T. 0.023 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Tgt Ion: 88	Resp: 3743
Ion Ratio	Lower Upper
88 100	
58 118.4	53.8 80.6#
43 0.0	22.8 34.2#
57 0.0	0.0 0.0





#41

Tetrahydrofuran

Concen: 0.525 ppbv

RT: 3.072 min Scan# 918

Delta R.T. 0.013 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

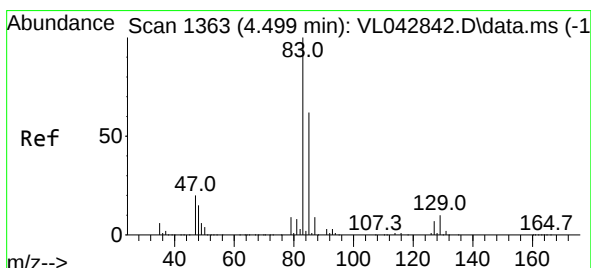
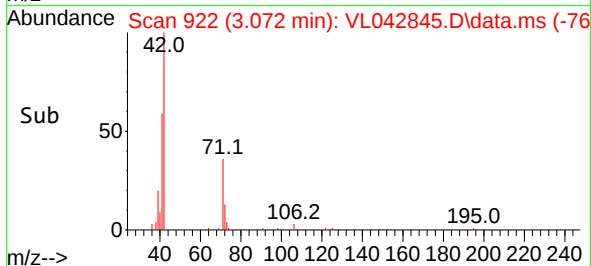
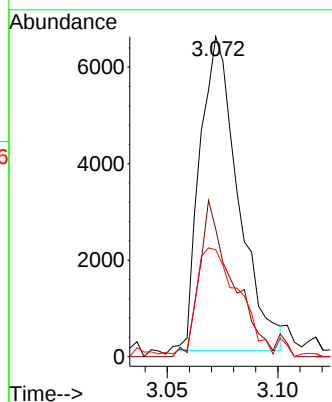
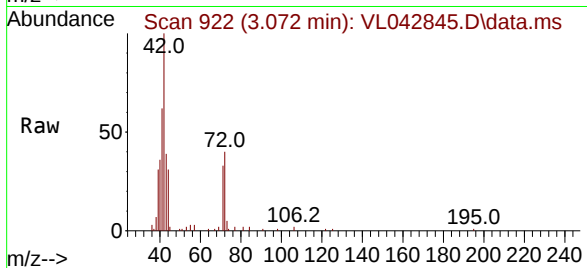
VSTDIC0.5

Tgt Ion:	42	Resp:	782
Ion Ratio	Lower	Upper	
42	100		
72	44.5	32.6	48.8
71	42.0	30.0	45.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#42

Bromodichloromethane

Concen: 0.527 ppbv

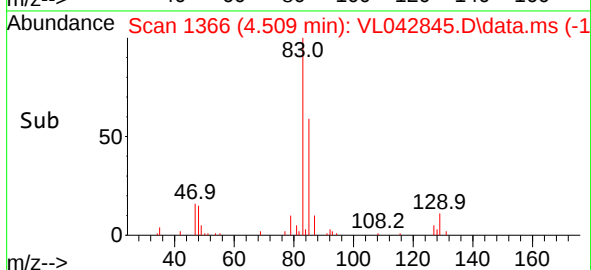
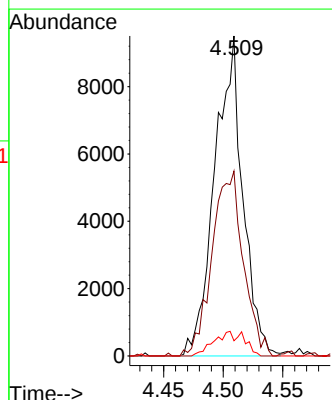
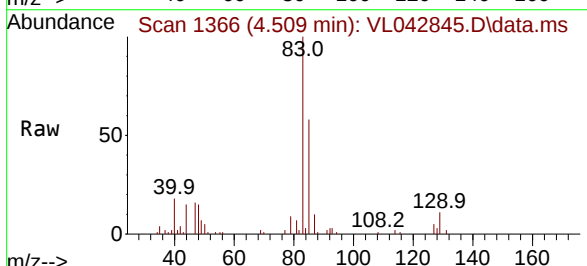
RT: 4.509 min Scan# 1366

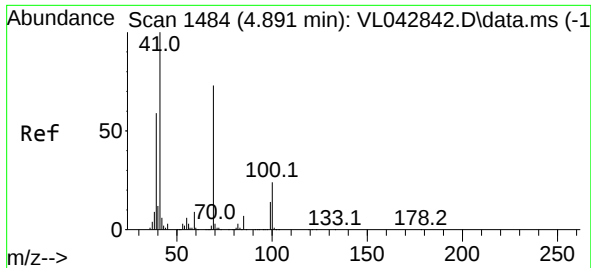
Delta R.T. 0.010 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

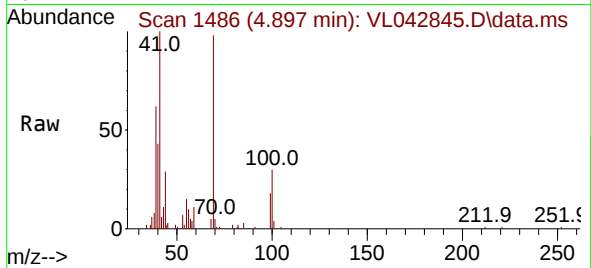
Tgt Ion:	83	Resp:	15580
Ion Ratio	Lower	Upper	
83	100		
85	57.7	49.8	74.8
127	4.7	5.8	8.6





#43
Methyl Methacrylate
Concen: 0.544 ppbv m
RT: 4.897 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

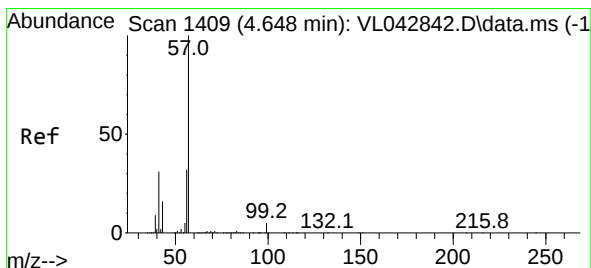
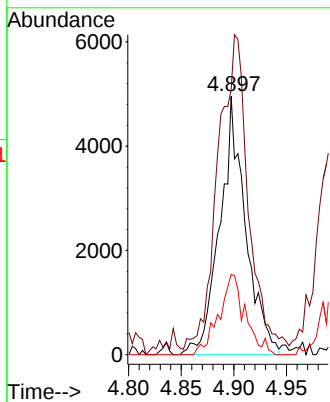
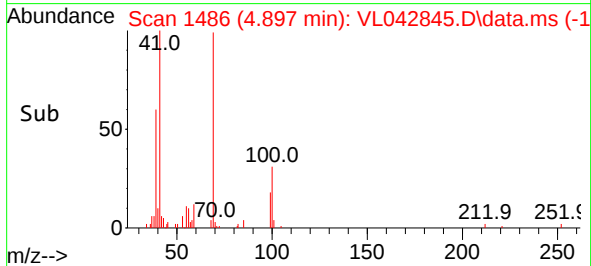
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



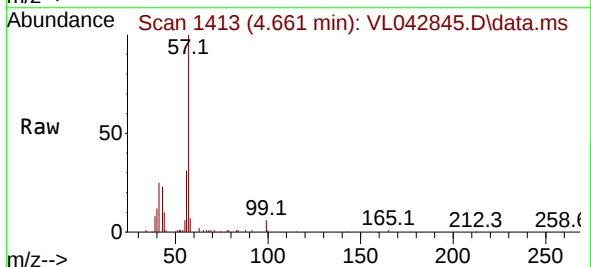
Tgt Ion: 69 Resp: 846
Ion Ratio Lower Upper
69 100
41 141.3 114.6 172.0
100 31.7 30.2 45.4

Manual Integrations
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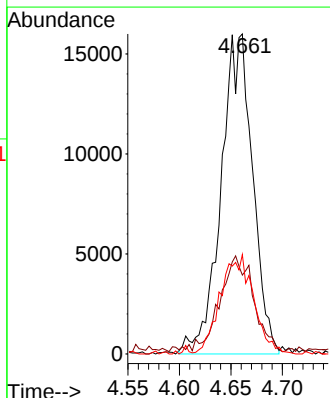
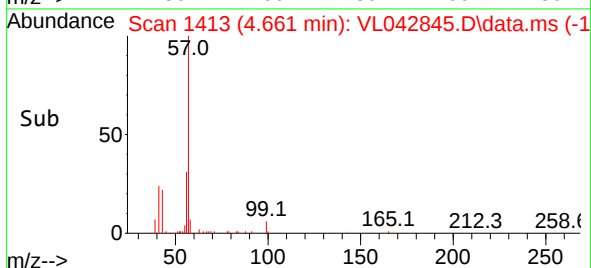
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

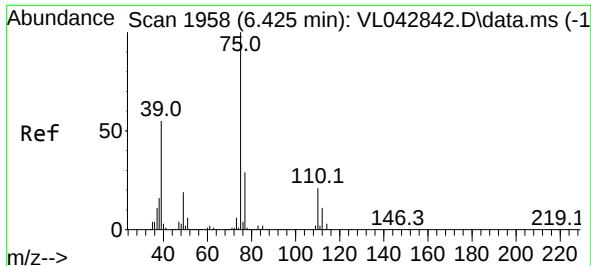


#44
2,2,4-Trimethylpentane
Concen: 0.537 ppbv m
RT: 4.661 min Scan# 1413
Delta R.T. 0.013 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17



Tgt Ion: 57 Resp: 34237
Ion Ratio Lower Upper
57 100
41 32.2 24.8 37.2
56 0.0 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 0.505 ppbv m

RT: 6.435 min Scan# 1958

Delta R.T. 0.010 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 75 Resp: 891

Ion Ratio Lower Upper

75 100

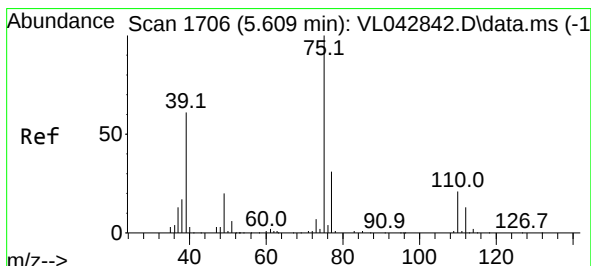
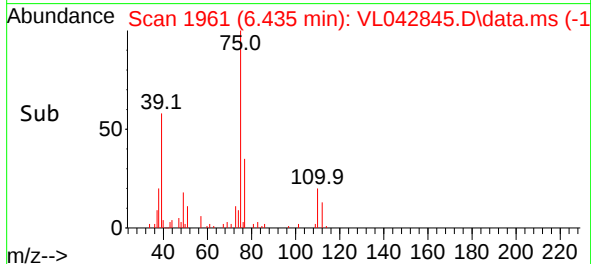
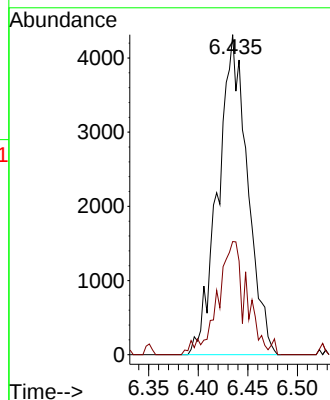
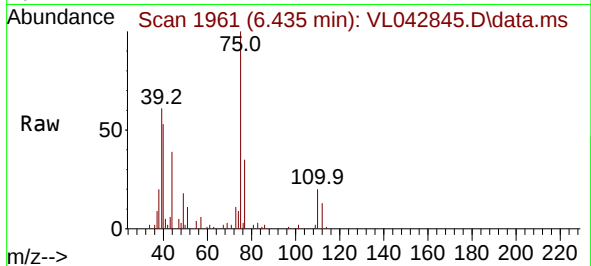
77 35.4 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#46

cis-1,3-Dichloropropene

Concen: 0.508 ppbv m

RT: 5.622 min Scan# 1710

Delta R.T. 0.013 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

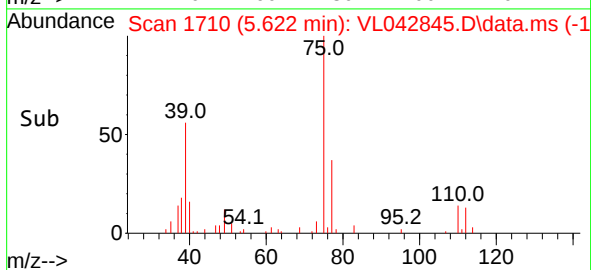
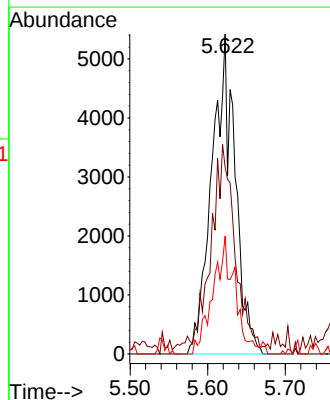
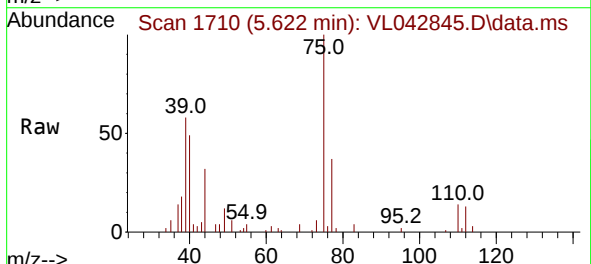
Tgt Ion: 75 Resp: 11259

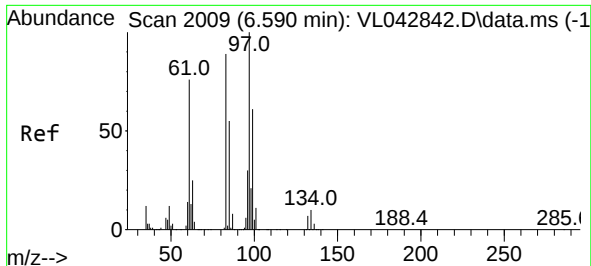
Ion Ratio Lower Upper

75 100

39 58.3 48.9 73.3

77 36.9 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 0.534 ppbv m

RT: 6.603 min Scan# 2009

Delta R.T. 0.013 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

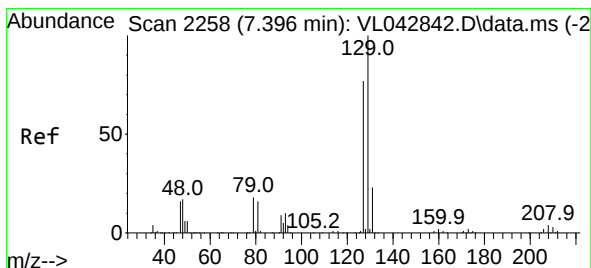
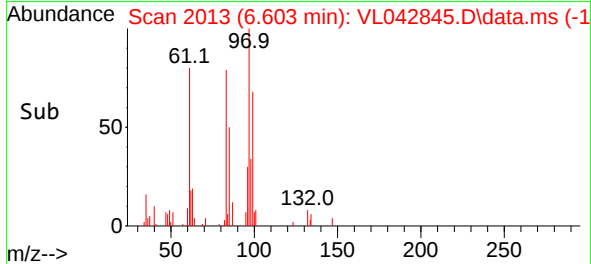
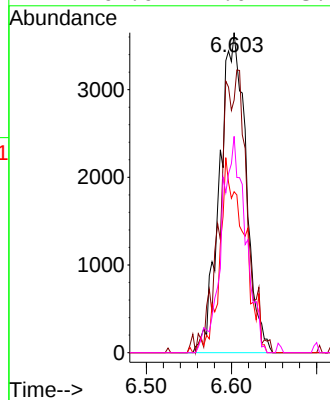
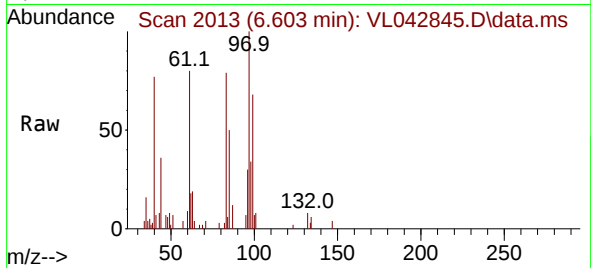
VSTDICC0.5

Tgt Ion: 97	Resp: 783
Ion Ratio	Lower Upper
97	100
83	78.9 71.0 106.4
85	50.3 43.6 65.4
99	67.6 49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#48

Dibromochloromethane

Concen: 0.497 ppbv

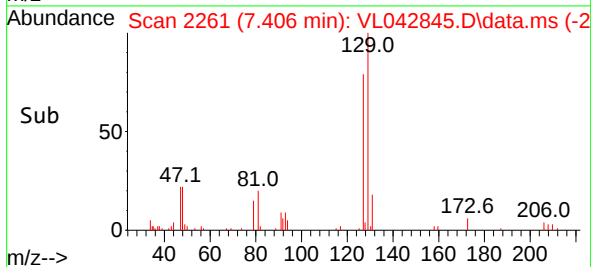
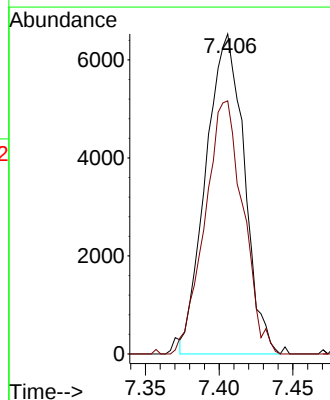
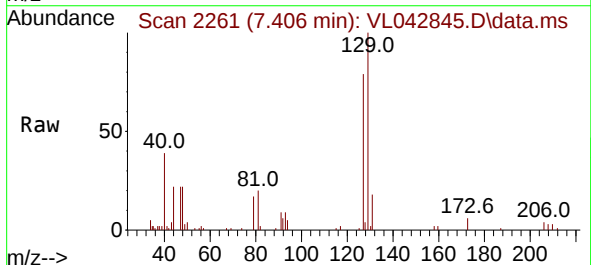
RT: 7.406 min Scan# 2261

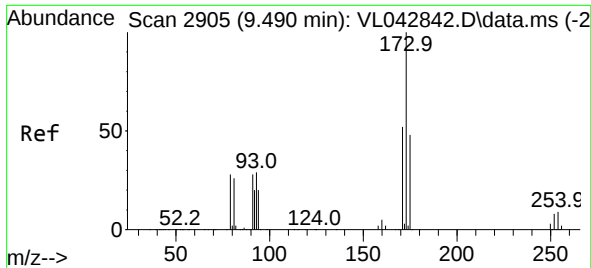
Delta R.T. 0.010 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

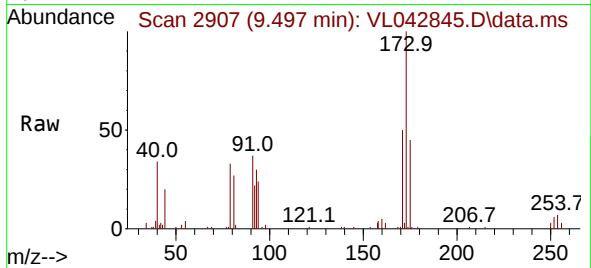
Tgt Ion:129	Resp: 11805
Ion Ratio	Lower Upper
129	100
127	79.1 39.4 118.2





#49
Bromoform
Concen: 0.471 ppbv
RT: 9.497 min Scan# 2905
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

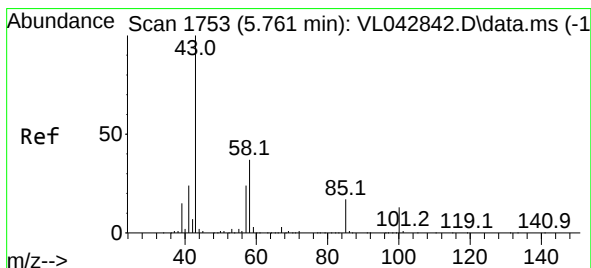
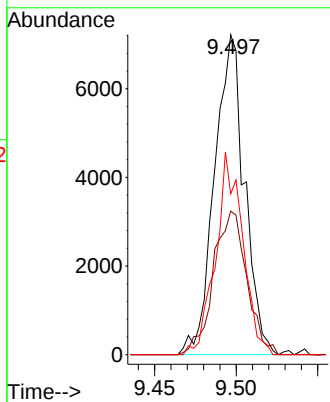
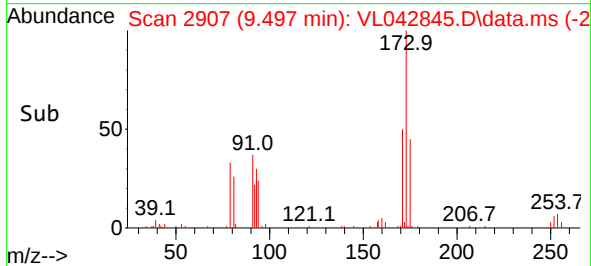
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 173 Resp: 923
Ion Ratio Lower Upper
173 100
175 49.9 39.2 58.8
171 57.0 41.3 61.9

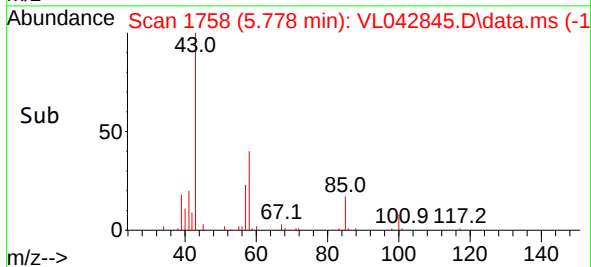
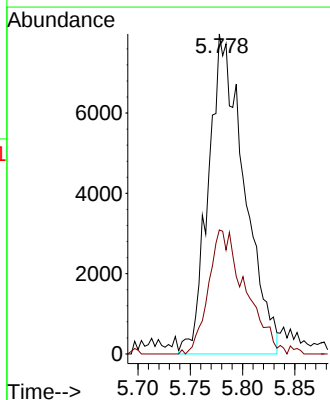
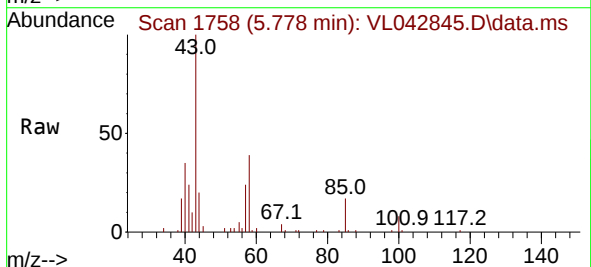
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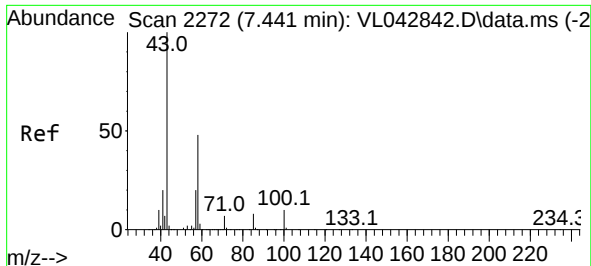
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#50
4-Methyl-2-Pentanone
Concen: 0.524 ppbv m
RT: 5.778 min Scan# 1758
Delta R.T. 0.016 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

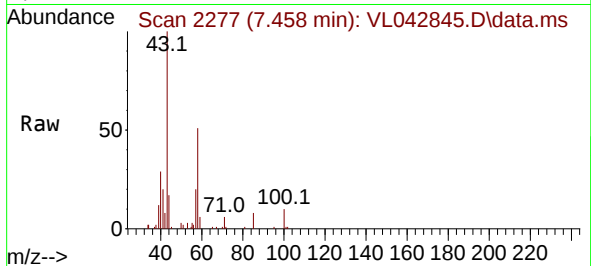
Tgt Ion: 43 Resp: 19028
Ion Ratio Lower Upper
43 100
58 40.4 29.8 44.8





#51
2-Hexanone
Concen: 0.503 ppbv
RT: 7.458 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

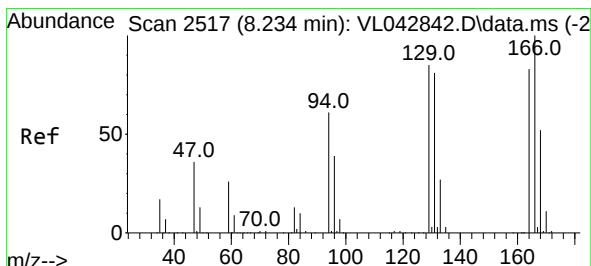
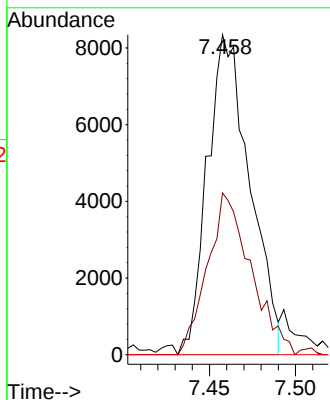
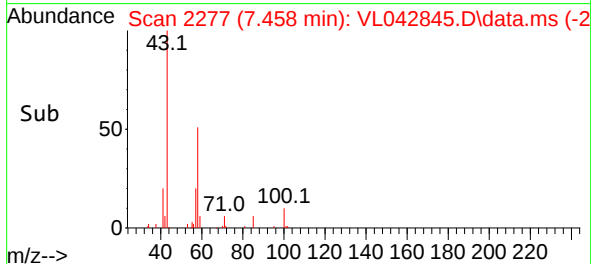
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 14329
Ion Ratio Lower Upper
43 100
58 52.3 41.0 61.6
98 0.0 0.1 0.1

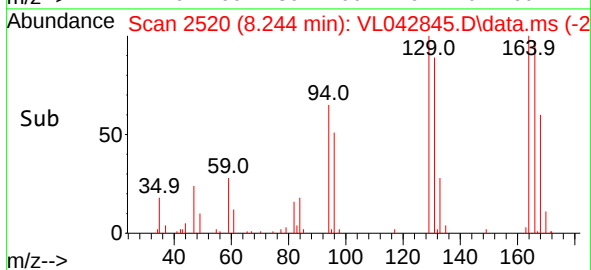
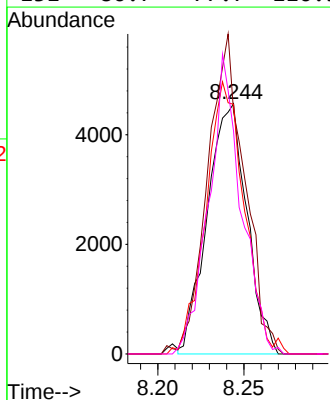
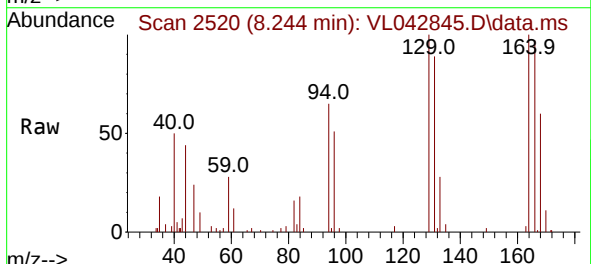
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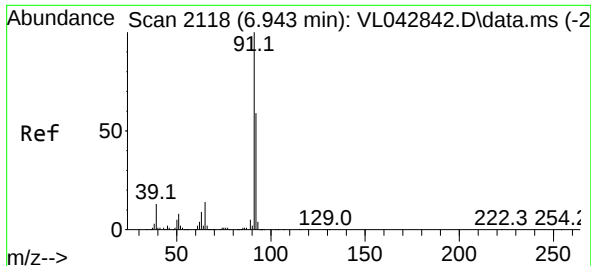
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#52
Tetrachloroethene
Concen: 0.531 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.010 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:164 Resp: 7304
Ion Ratio Lower Upper
164 100
166 95.1 96.5 144.7#
129 98.0 81.8 122.6
131 86.7 77.7 116.5





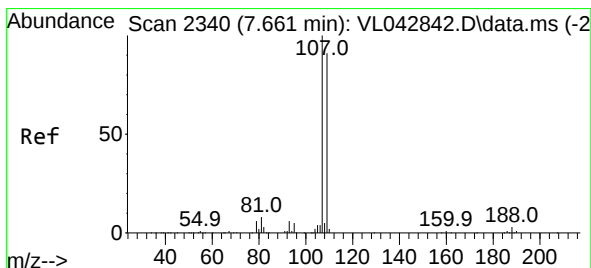
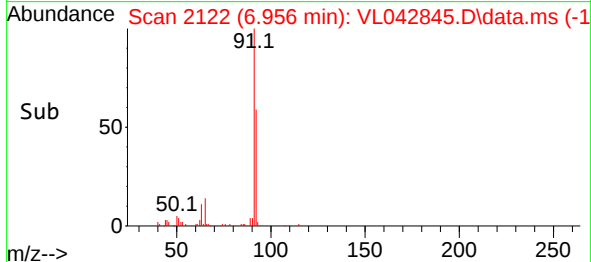
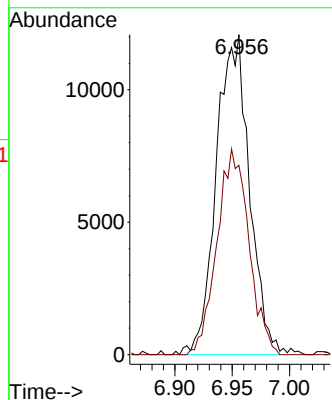
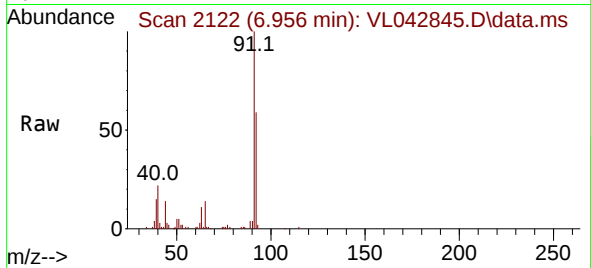
#53
Toluene
Concen: 0.535 ppbv m
RT: 6.956 min Scan# 2118
Delta R.T. 0.013 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 2415
Ion Ratio Lower Upper
91 100
92 62.1 47.8 71.6

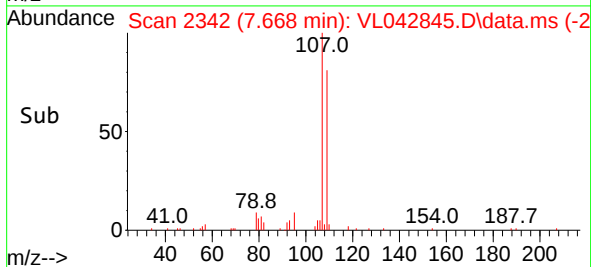
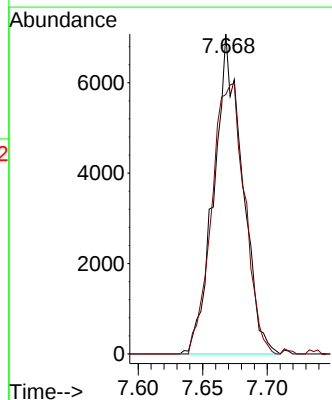
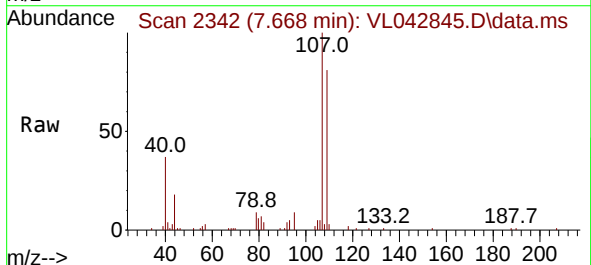
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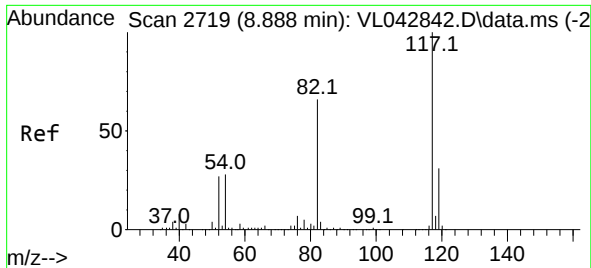
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#54
1,2-Dibromoethane
Concen: 0.507 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:107 Resp: 10873
Ion Ratio Lower Upper
107 100
109 81.0 72.5 108.7





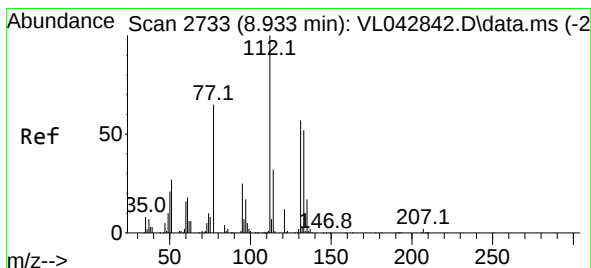
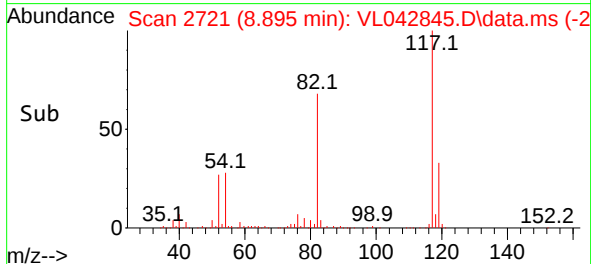
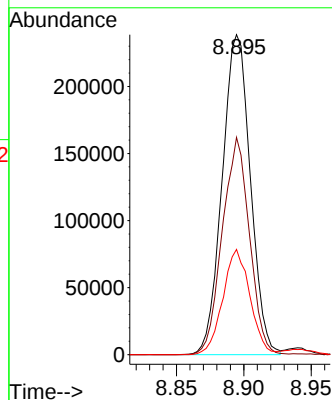
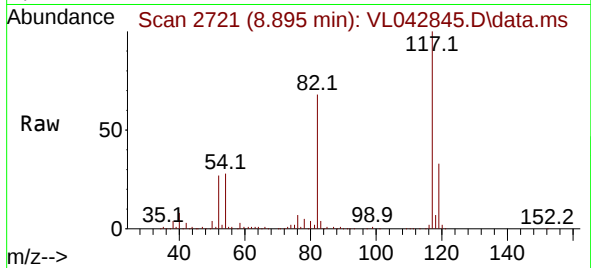
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2719
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:117 Resp: 34800
Ion Ratio Lower Upper
117 100
82 65.4 54.6 81.8
119 33.4 25.9 38.9

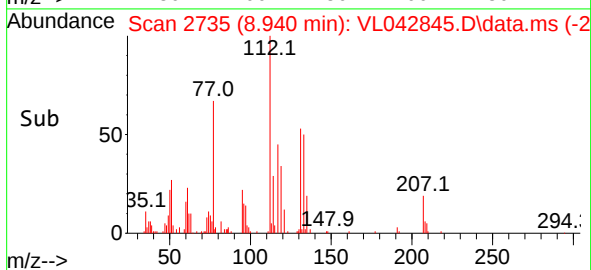
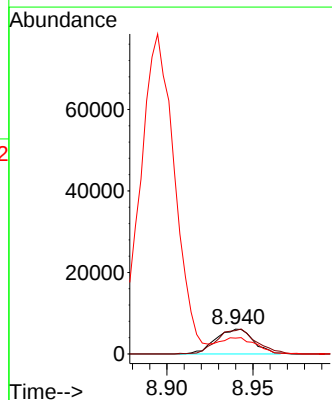
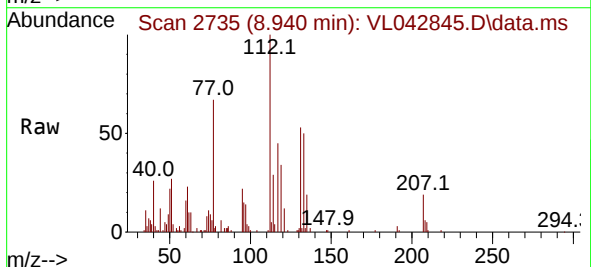
Manual Integrations
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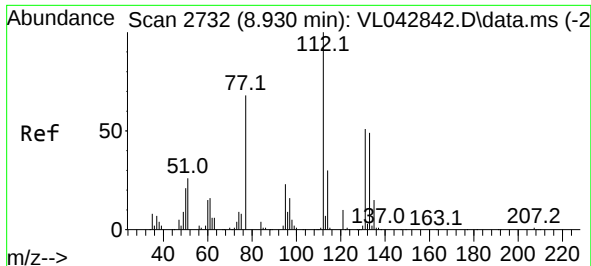
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.517 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion:131 Resp: 9300
Ion Ratio Lower Upper
131 100
133 102.5 77.4 116.0
119 1250.4 51.2 76.8#





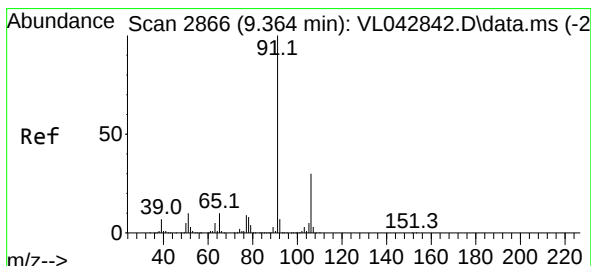
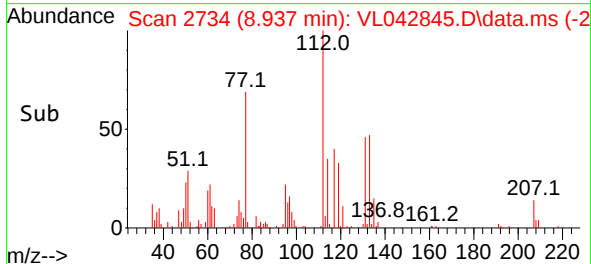
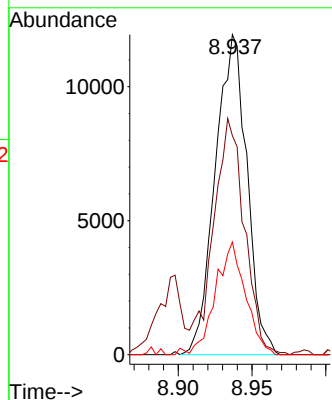
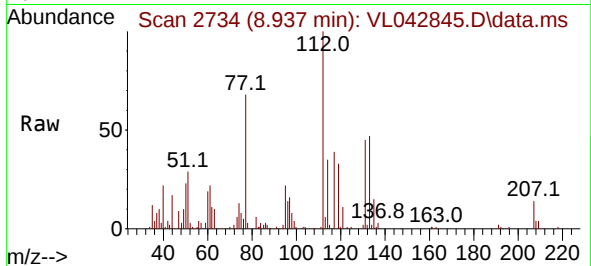
#57
Chlorobenzene
Concen: 0.539 ppbv
RT: 8.937 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 112 Resp: 1784
Ion Ratio Lower Upper
112 100
77 67.8 55.5 83.3
114 35.2 27.2 33.2

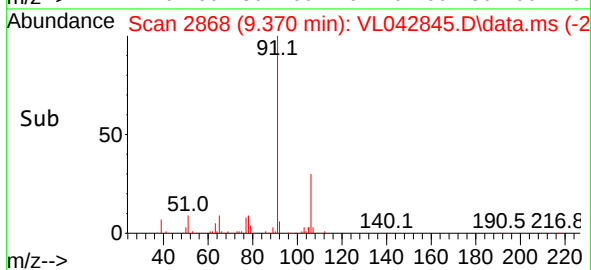
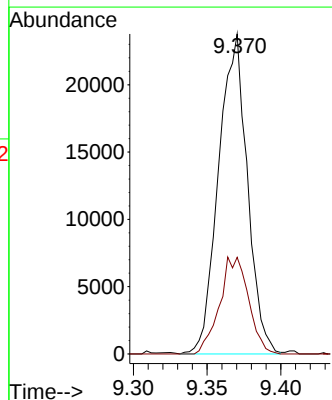
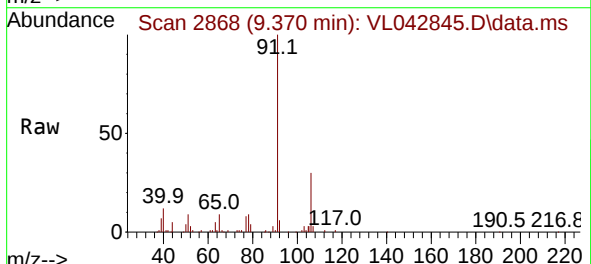
Manual Integrations
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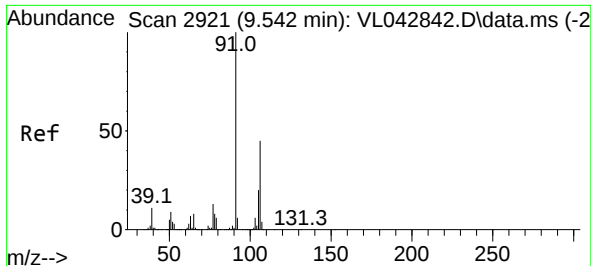
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#58
Ethyl Benzene
Concen: 0.525 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 32261
Ion Ratio Lower Upper
91 100
106 30.2 23.9 35.9





#59

m/p-Xylene

Concen: 1.045 ppbv m

RT: 9.561 min Scan# 2921

Delta R.T. 0.019 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 91 Resp: 50372

Ion Ratio Lower Upper

91 100

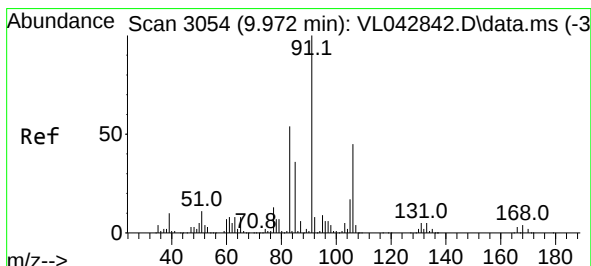
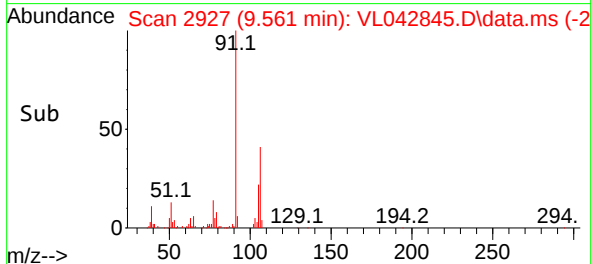
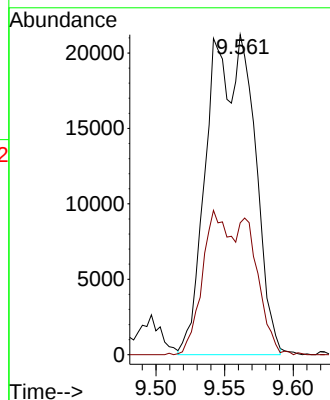
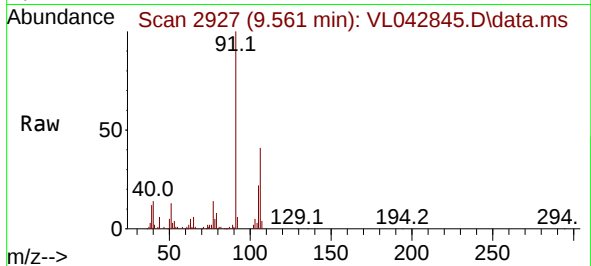
106 46.9 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#60

o-Xylene

Concen: 0.551 ppbv

RT: 9.979 min Scan# 3056

Delta R.T. 0.007 min

Lab File: VL042845.D

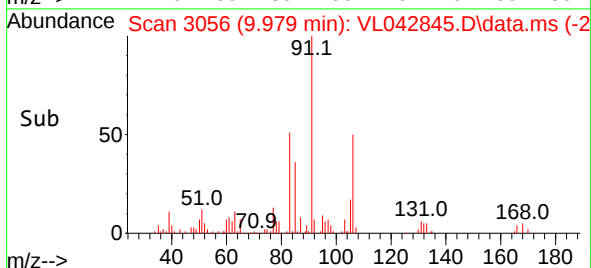
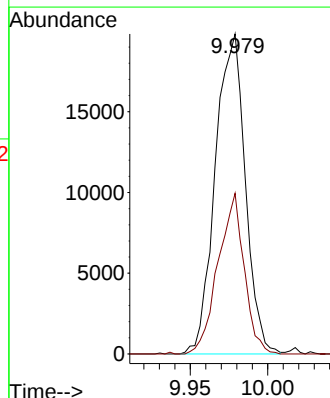
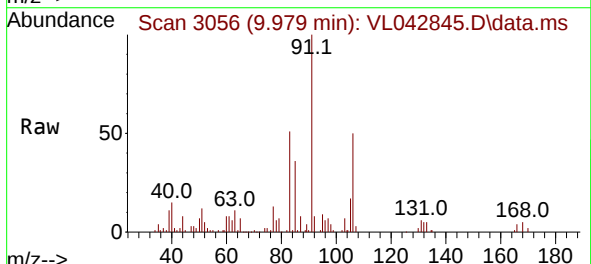
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 26662

Ion Ratio Lower Upper

91 100

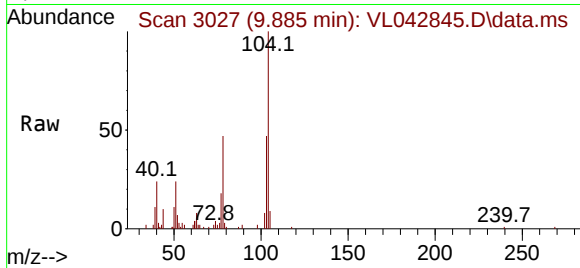
106 43.8 21.8 65.4





#61
Styrene
Concen: 0.546 ppbv
RT: 9.885 min Scan# 3025
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

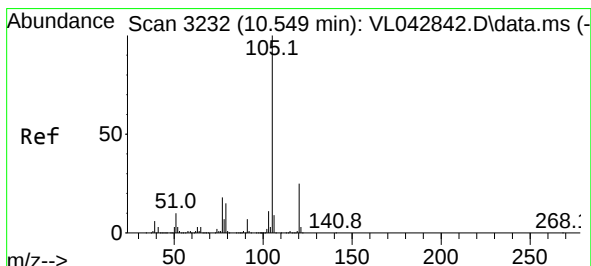
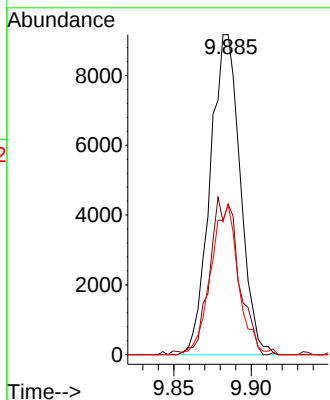
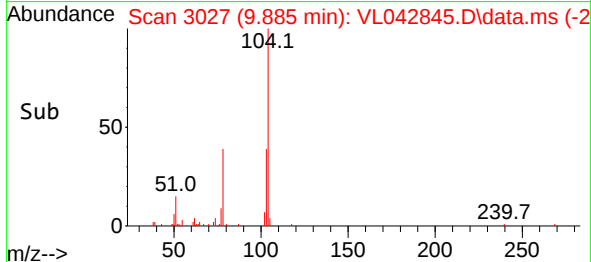
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



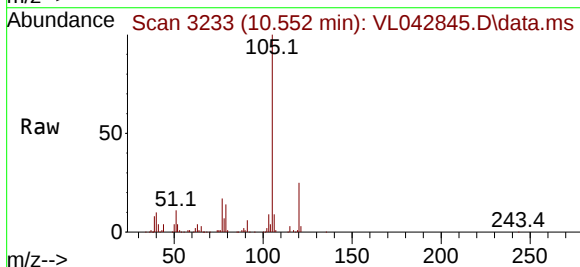
Tgt Ion:104 Resp: 12379
Ion Ratio Lower Upper
104 100
78 47.4 40.6 61.0
103 43.4 37.7 56.5

Manual Integrations
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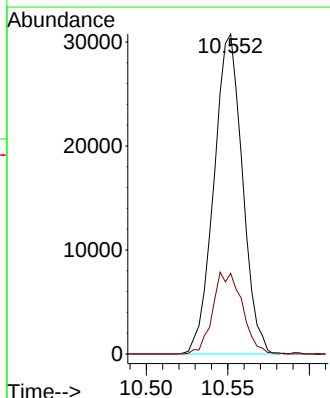
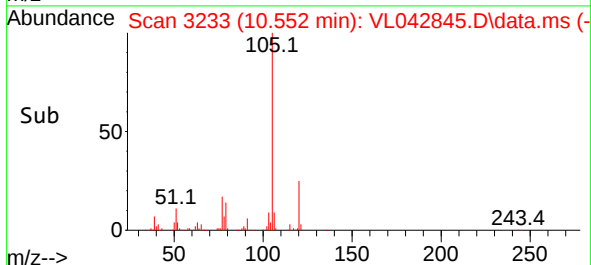
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

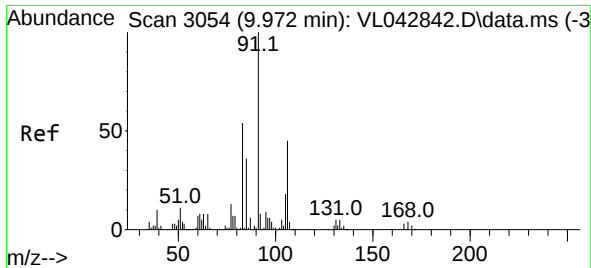


#62
Isopropylbenzene
Concen: 0.529 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17



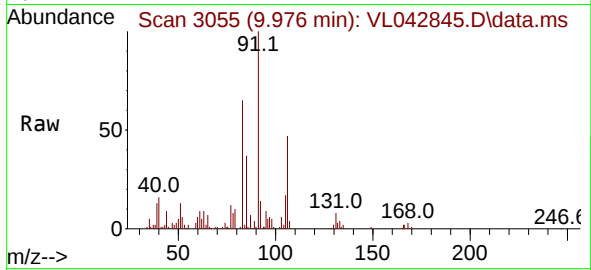
Tgt Ion:105 Resp: 37401
Ion Ratio Lower Upper
105 100
120 26.5 20.6 30.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.523 ppbv
RT: 9.976 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

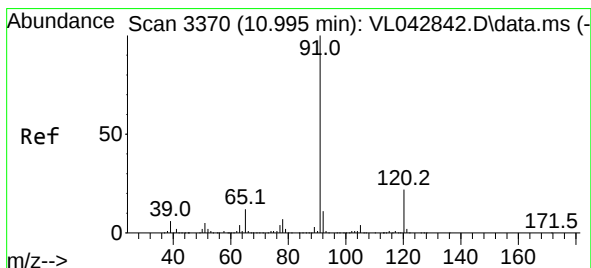
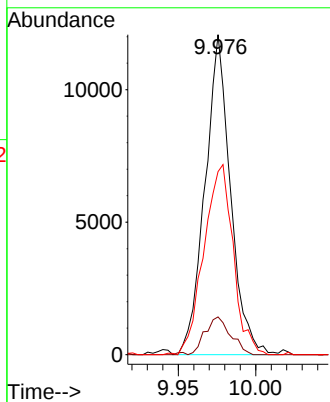
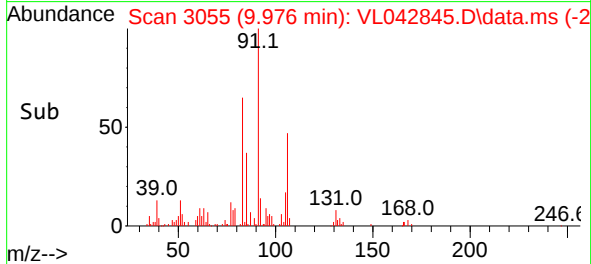
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



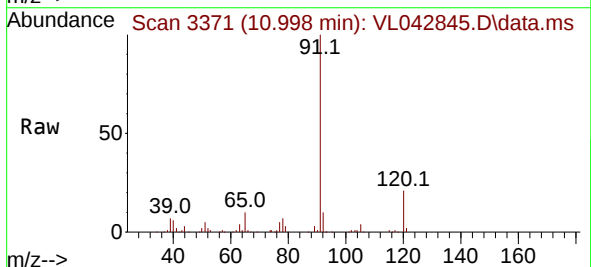
Tgt Ion: 83 Resp: 13828
Ion Ratio Lower Upper
83 100
131 12.0 4.8 14.3
85 68.3 32.3 96.8

Manual Integrations
APPROVED

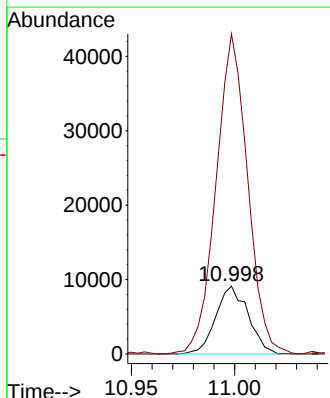
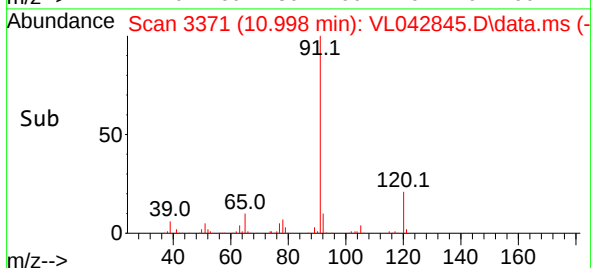
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

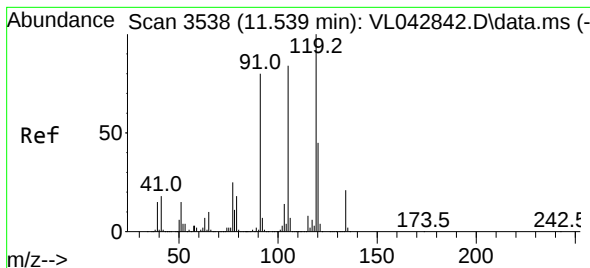


#64
n-propylbenzene
Concen: 0.550 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17



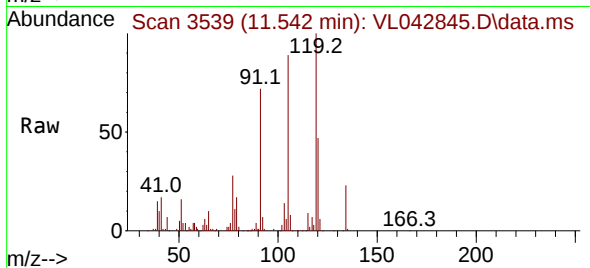
Tgt Ion:120 Resp: 9922
Ion Ratio Lower Upper
120 100
91 463.3 375.8 563.6





#65
tert-Butylbenzene
Concen: 0.532 ppbv
RT: 11.542 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

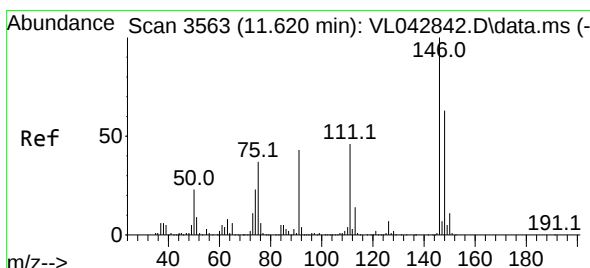
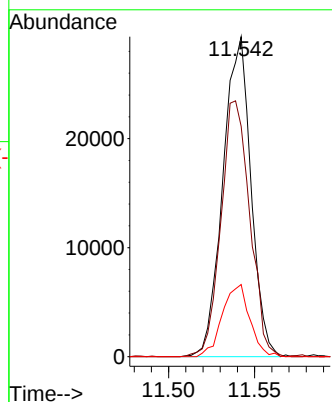
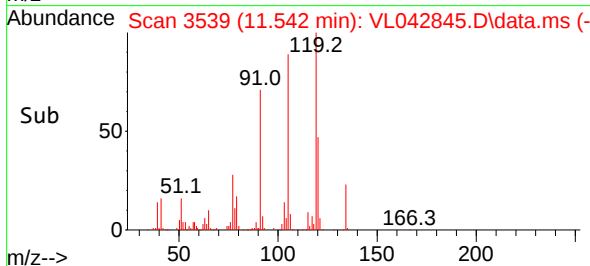
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 119 Resp: 3318
Ion Ratio Lower Upper
119 100
91 82.8 63.9 95.9
134 22.1 17.0 25.4

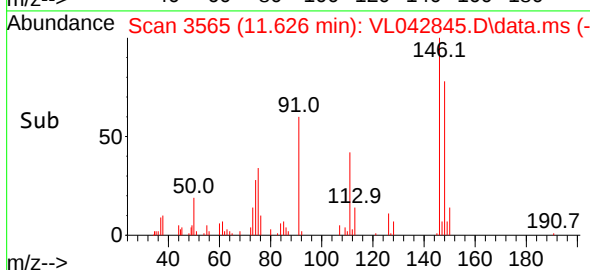
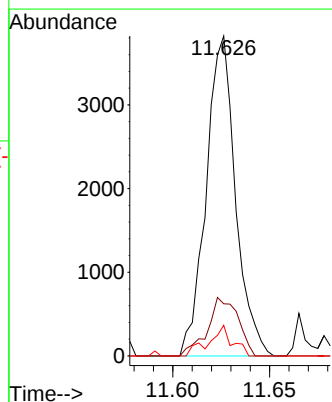
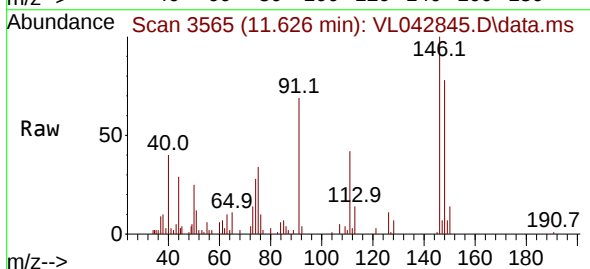
Manual Integrations
APPROVED

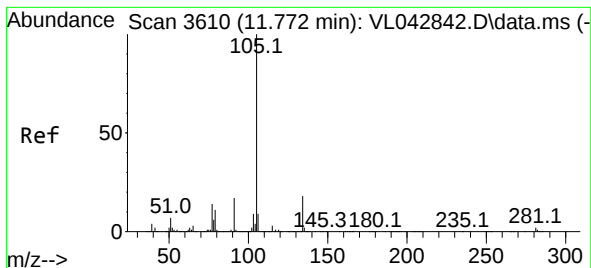
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#66
Benzyl Chloride
Concen: 0.510 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.006 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 4039
Ion Ratio Lower Upper
91 100
126 19.0 14.2 21.4
128 7.6 5.0 7.6#





#67

sec-Butylbenzene

Concen: 0.530 ppbv

RT: 11.778 min Scan# 30

Delta R.T. 0.006 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:105 Resp: 4643

Ion Ratio Lower Upper

105 100

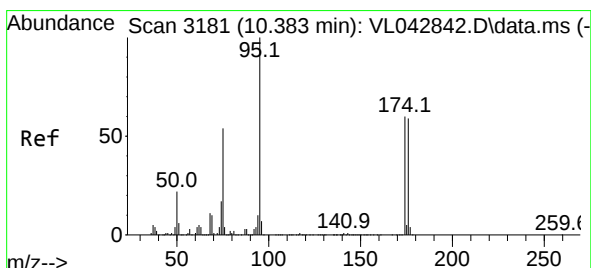
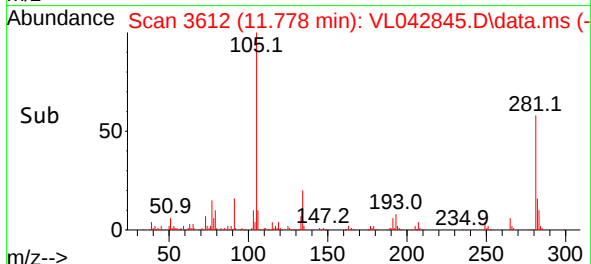
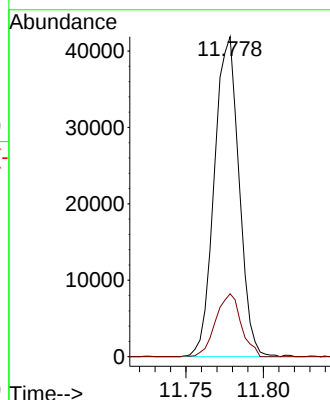
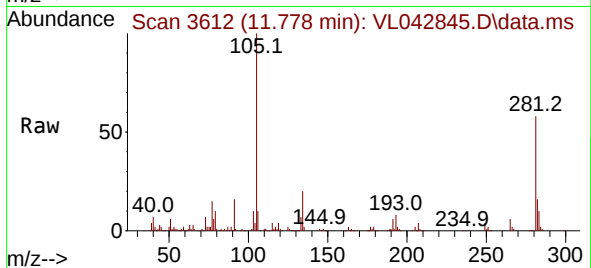
134 20.3 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.064 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

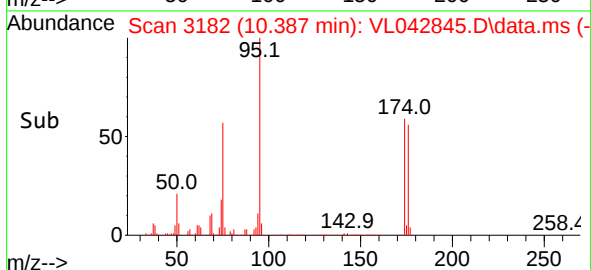
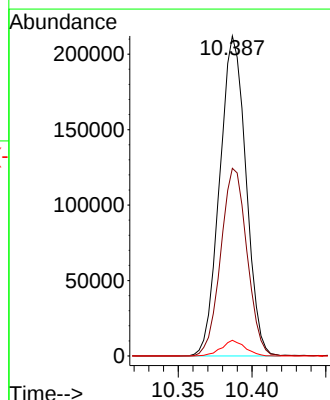
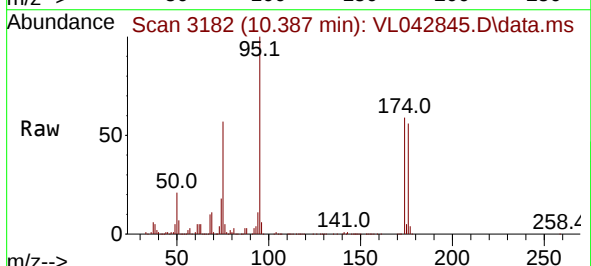
Tgt Ion: 95 Resp: 262663

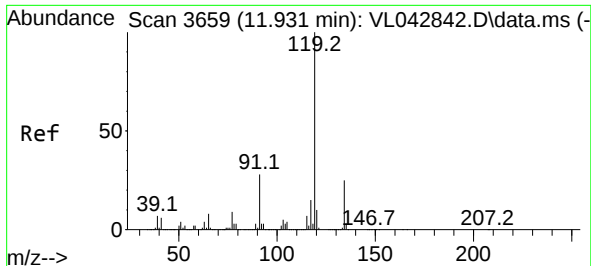
Ion Ratio Lower Upper

95 100

174 58.8 48.4 72.6

175 4.4 3.8 5.8





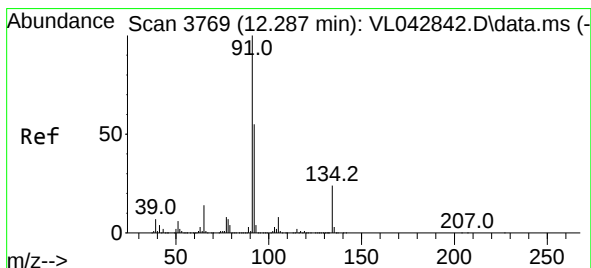
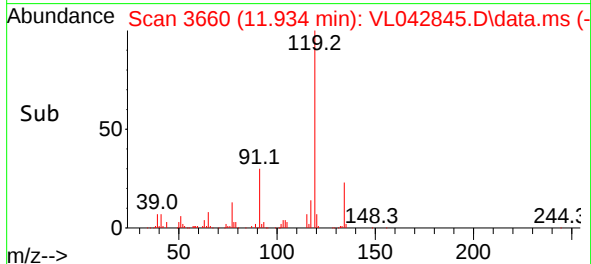
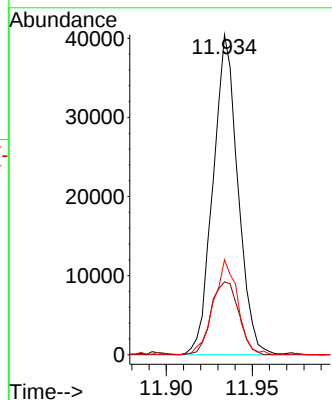
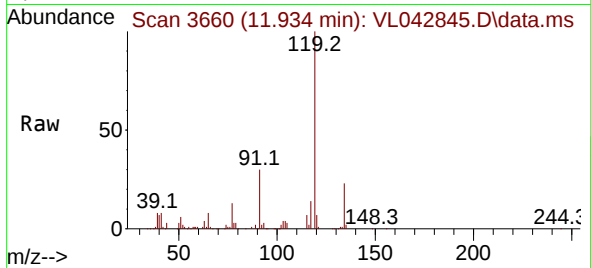
#69
p-Isopropyltoluene
Concen: 0.541 ppbv
RT: 11.934 min Scan# 3659
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 40680
Ion Ratio Lower Upper
119 100
134 25.4 20.6 30.8
91 29.0 22.6 34.0

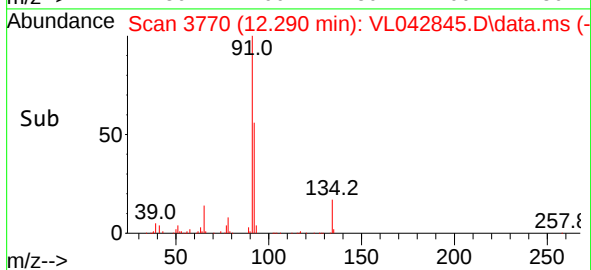
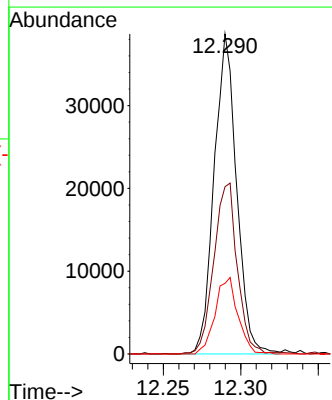
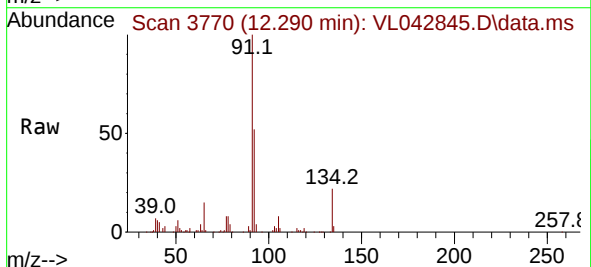
Manual Integrations
APPROVED

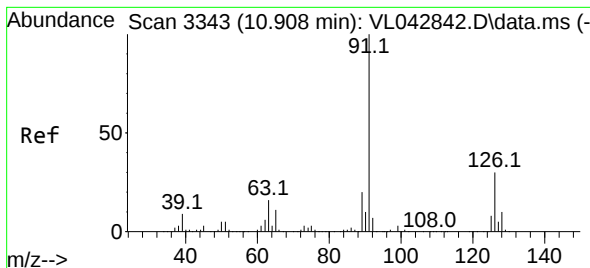
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#70
n-Butylbenzene
Concen: 0.521 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Tgt Ion: 91 Resp: 38867
Ion Ratio Lower Upper
91 100
92 56.1 44.6 66.8
134 24.2 19.0 28.4





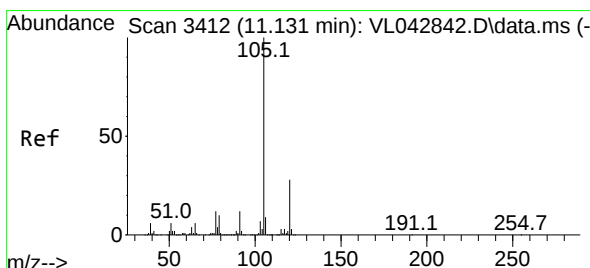
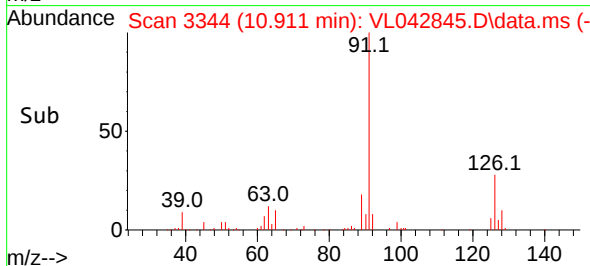
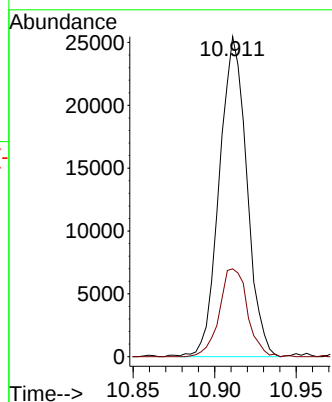
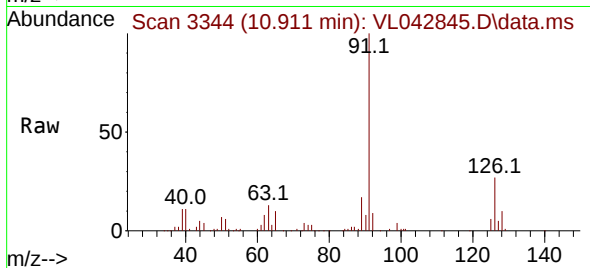
#71
2-Chlorotoluene
Concen: 0.541 ppbv
RT: 10.911 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 29730
Ion Ratio Lower Upper
91 100
126 28.2 12.0 47.8

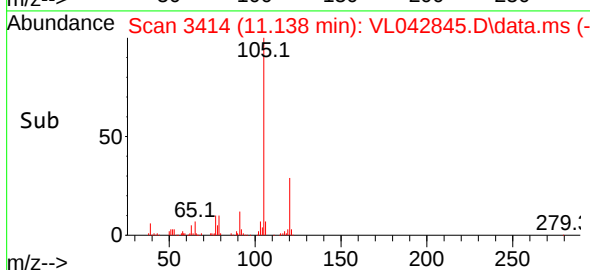
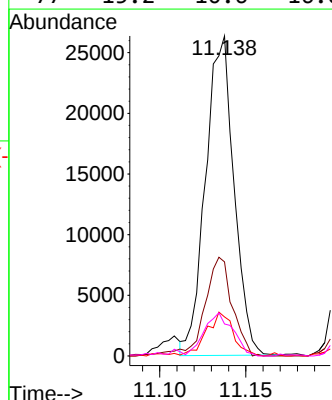
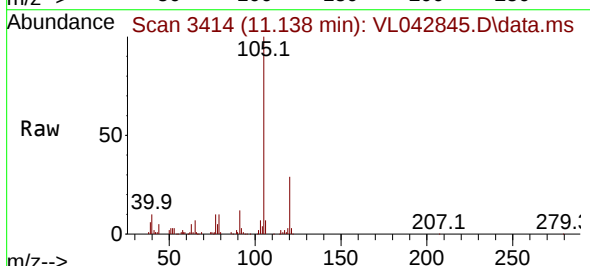
Manual Integrations
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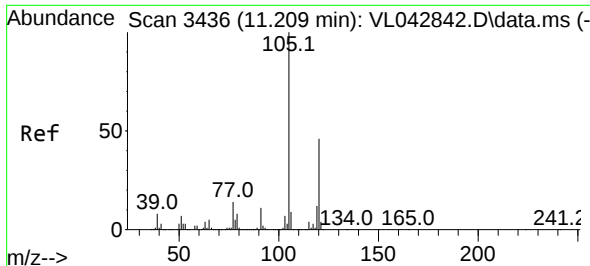
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#72
4-Ethyltoluene
Concen: 0.515 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. 0.007 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

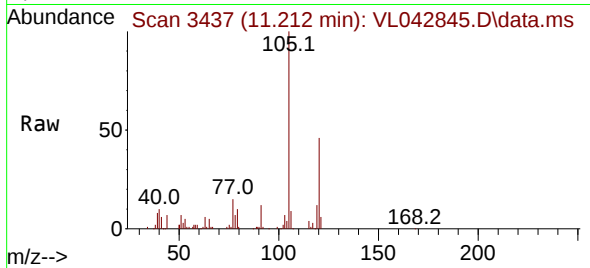
Tgt Ion:105 Resp: 30234
Ion Ratio Lower Upper
105 100
120 30.5 23.4 35.2
91 13.8 9.8 14.6
77 15.2 10.6 16.0





#73
1,3,5-Trimethylbenzene
Concen: 0.540 ppbv
RT: 11.212 min Scan# 3436
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17

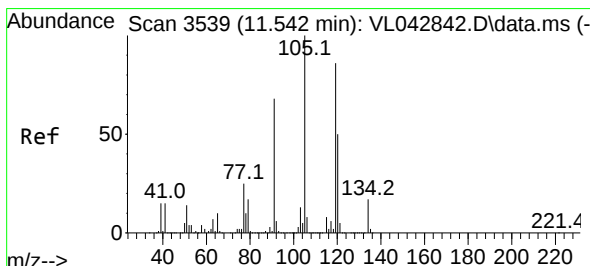
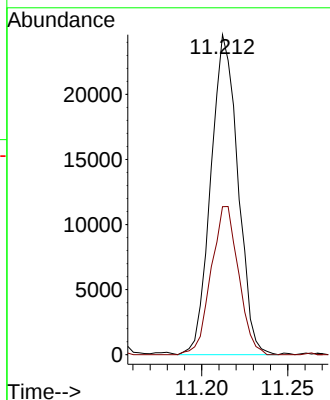
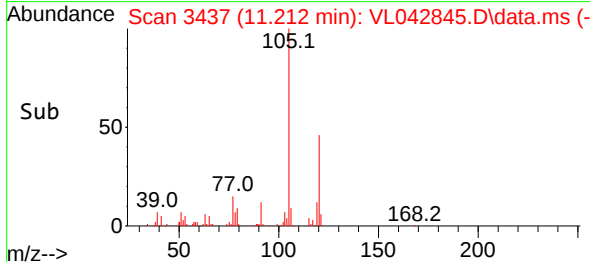
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



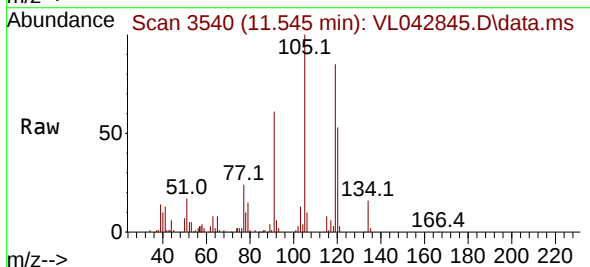
Tgt Ion:105 Resp: 2694
Ion Ratio Lower Upper
105 100
120 46.2 36.6 54.8

Manual Integrations
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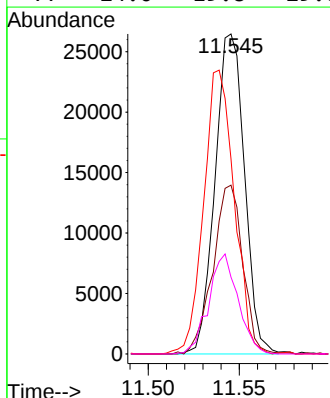
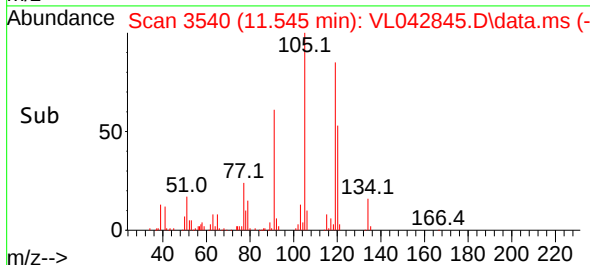
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

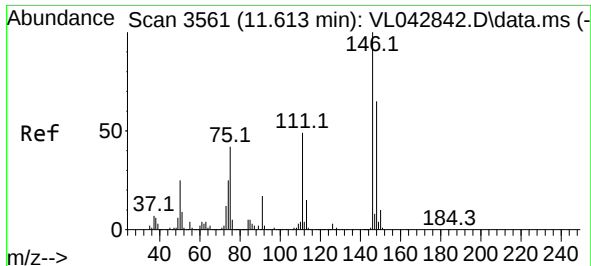


#74
1,2,4-Trimethylbenzene
Concen: 0.543 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.003 min
Lab File: VL042845.D
Acq: 13 Aug 2025 10:17



Tgt Ion:105 Resp: 29750
Ion Ratio Lower Upper
105 100
120 52.4 39.8 59.6
91 60.6 54.2 81.4
77 24.0 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 0.524 ppbv

RT: 11.617 min Scan# 3561

Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

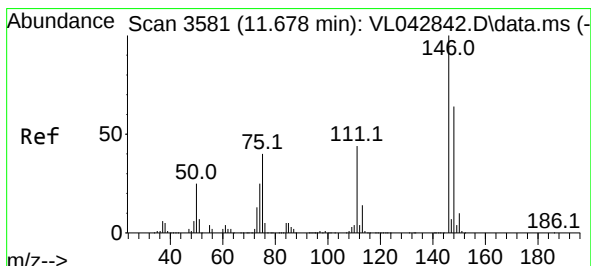
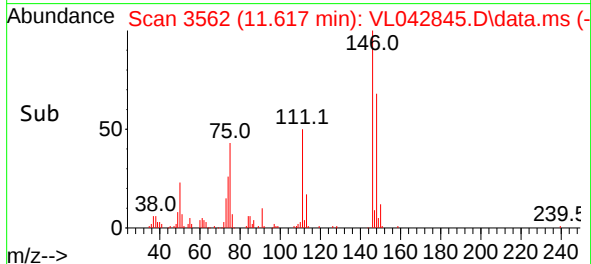
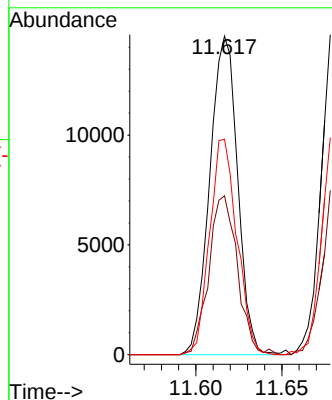
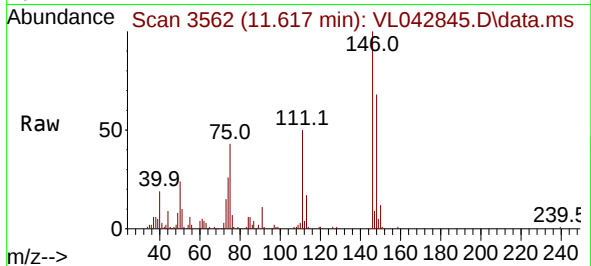
Tgt Ion:146	Resp:	1631
Ion Ratio	Lower	Upper
146	100	
111	51.2	23.9 71.7
148	66.5	31.4 94.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#76

1,4-Dichlorobenzene

Concen: 0.533 ppbv

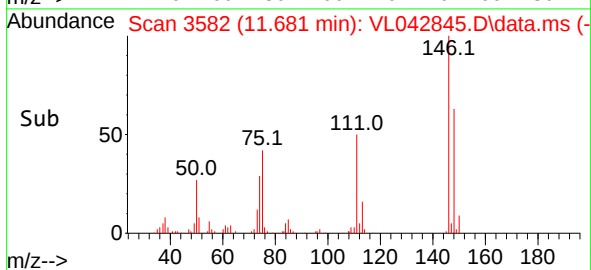
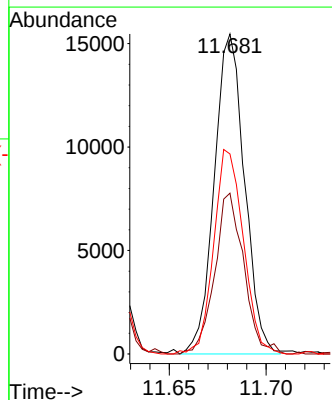
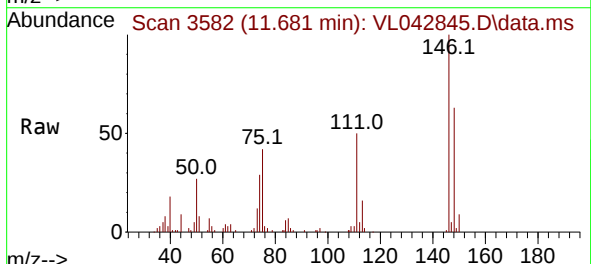
RT: 11.681 min Scan# 3582

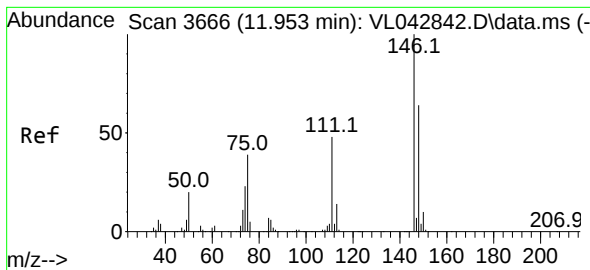
Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Tgt Ion:146	Resp:	16803
Ion Ratio	Lower	Upper
146	100	
111	48.3	22.7 68.1
148	62.7	31.8 95.3





#77

1,2-Dichlorobenzene

Concen: 0.535 ppbv

RT: 11.956 min Scan# 3667

Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

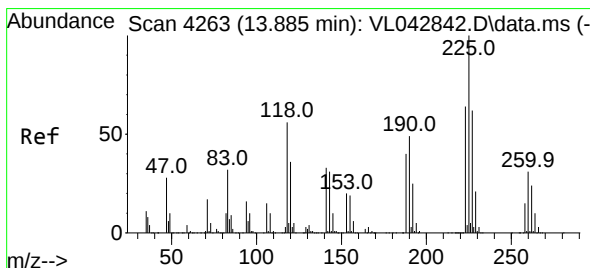
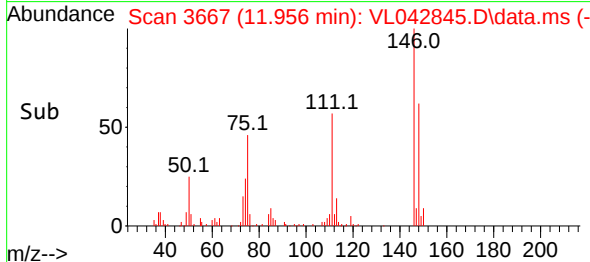
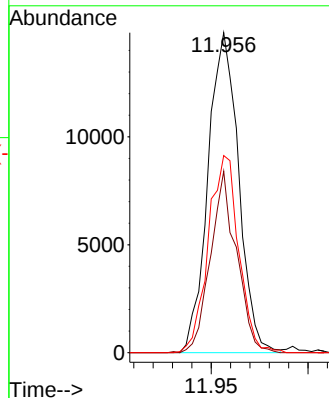
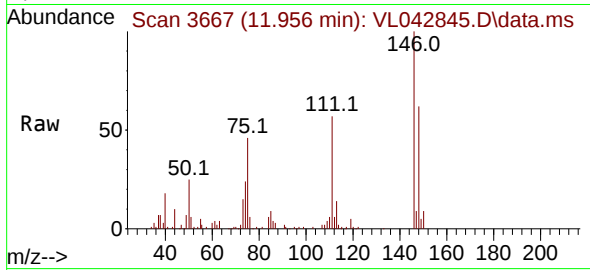
VSTDICC0.5

Tgt Ion:	146	Resp:	16300
Ion Ratio	Lower	Upper	
146	100		
111	48.2	24.6	74.0
148	61.1	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.567 ppbv

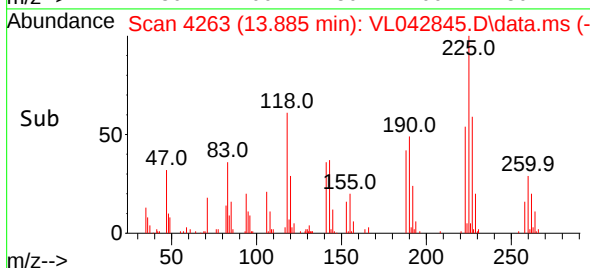
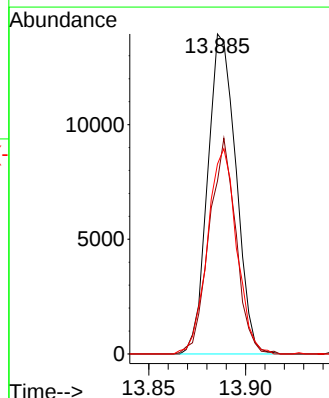
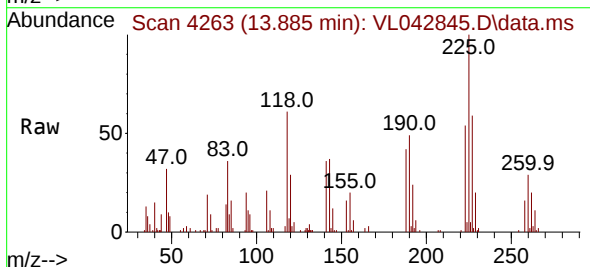
RT: 13.885 min Scan# 4263

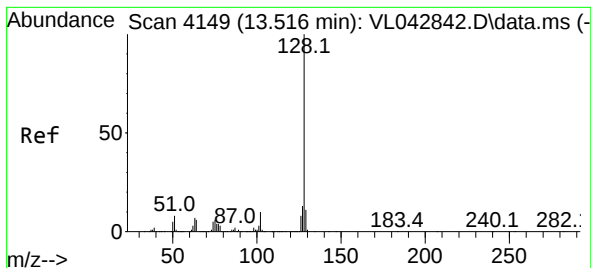
Delta R.T. 0.000 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Tgt Ion:	225	Resp:	14165
Ion Ratio	Lower	Upper	
225	100		
223	63.7	51.4	77.2
227	66.2	51.9	77.9





#79

Naphthalene

Concen: 0.491 ppbv

RT: 13.520 min Scan# 4149

Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

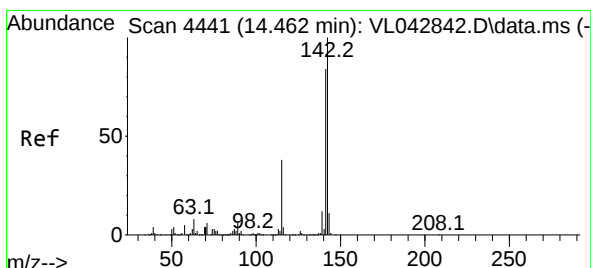
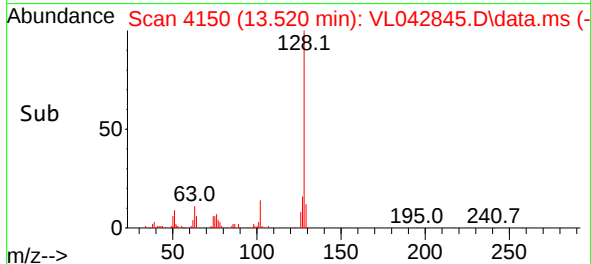
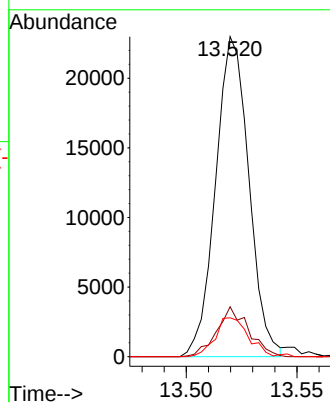
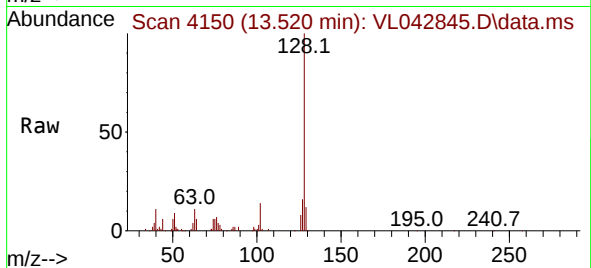
VSTDIC0.5

Tgt Ion:	128	Resp:	2405
Ion Ratio	Lower	Upper	
128	100		
127	15.6	10.6	16.0
129	12.2	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#80

Naphthalene,2-methyl-

Concen: 0.405 ppbv

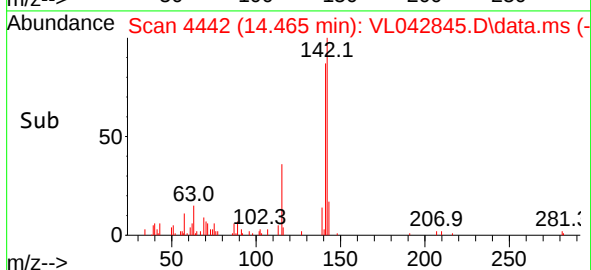
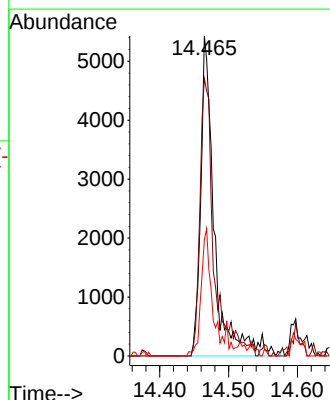
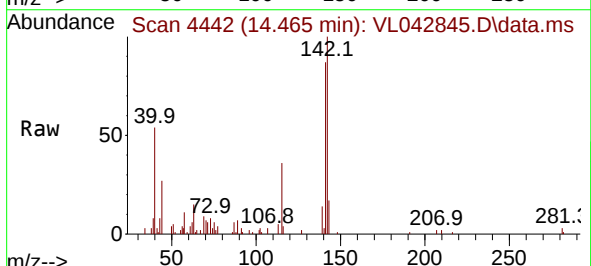
RT: 14.465 min Scan# 4442

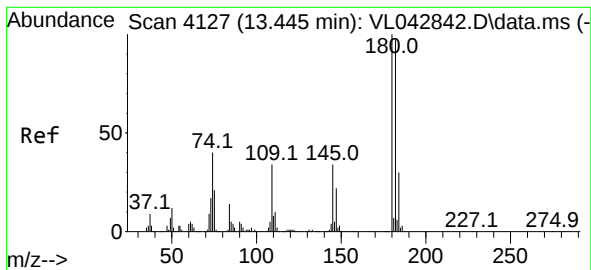
Delta R.T. 0.003 min

Lab File: VL042845.D

Acq: 13 Aug 2025 10:17

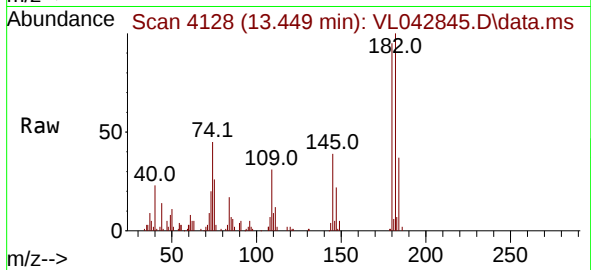
Tgt Ion:	142	Resp:	7482
Ion Ratio	Lower	Upper	
142	100		
141	90.9	67.0	100.6
115	38.5	30.9	46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.434 ppbv
 RT: 13.449 min Scan# 4128
 Delta R.T. 0.003 min
 Lab File: VL042845.D
 Acq: 13 Aug 2025 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:	180	Resp:	1084
Ion	Ratio	Lower	Upper
180	100		
182	99.1	76.9	115.3
184	32.6	24.5	36.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

