

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
 Data File : VL042146.D
 Acq On : 14 Mar 2025 12:27
 Operator : SY/MD
 Sample : VL0314ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0314ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/17/2025
 Supervised By : Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 23:18:44 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

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

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	163026	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	381842	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.885	117	325786	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 276407 11.028 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 110.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	183411	10.819	ppbv	99
3) Chlorodifluoromethane	1.476	51	224569	9.478	ppbv	99
4) Chloromethane	1.534	50	72105	11.502	ppbv	95
5) Vinyl Chloride	1.580	62	69189	11.667	ppbv	98
6) Bromomethane	1.667	94	31681	11.220	ppbv	96
7) Chloroethane	1.706	64	27615	11.461	ppbv	92
8) Dichlorotetrafluoroethane	1.554	85	159489	11.444	ppbv	99
9) Propene	1.486	41	85053	8.811	ppbv	99
10) Heptane	4.985	43	257569	8.570	ppbv	99
11) Trichlorofluoromethane	1.877	101	201423	11.858	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	144035	10.630	ppbv	97
13) Ethanol	1.722	45	5622	9.175	ppbv	97
14) Bromoethene	1.784	108	55222	11.541	ppbv	97
15) Acetone	1.835	43	154842	10.755	ppbv	98
16) 1,3-Butadiene	1.609	39	74468	11.115	ppbv	99
17) tert-Butyl alcohol	2.042	59	168993	9.382	ppbv	96
18) 1,1-Dichloroethene	2.036	96	64700	10.568	ppbv	97
19) Isopropyl Alcohol	1.887	45	85819	10.377	ppbv #	35
20) Methylene Chloride	2.062	84	64018	11.756	ppbv	96
21) Allyl Chloride	2.098	41	110336	10.607	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	72399	10.144	ppbv	99
23) Vinyl Acetate	2.463	43	87289	8.623	ppbv #	94
24) 1,1-Dichloroethane	2.411	63	140322	10.566	ppbv	99
25) Ethyl Acetate	2.839	43	528086	9.164	ppbv	100
26) Hexane	2.826	57	215050	9.231	ppbv	98
27) Carbon Disulfide	2.153	76	170348	10.787	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	91925	7.925	ppbv	98
29) Chloroform	2.852	83	284422	9.071	ppbv	98
30) Cyclohexane	3.861	84	155818	8.240	ppbv	94
31) cis-1,2-Dichloroethene	2.722	61	180243	8.173	ppbv	99
32) 1,1,1-Trichloroethane	3.369	97	256963	8.448	ppbv	95
34) 2-Butanone	2.560	43	289331	9.726	ppbv	95
35) Carbon Tetrachloride	3.764	117	267662	10.165	ppbv	97
36) Benzene	3.661	78	376328	9.415	ppbv	99
37) 1,2-Dichloroethane	3.221	62	209658	9.460	ppbv	99
38) Trichloroethene	4.554	130	143571	8.796	ppbv	94
39) 1,2-Dichloropropane	4.318	63	142402	9.386	ppbv	97
40) 1,4-Dioxane	4.590	88	65583	9.469	ppbv #	98
41) Tetrahydrofuran	3.059	42	161433	9.184	ppbv	97
42) Bromodichloromethane	4.493	83	289116	9.682	ppbv	99
43) Methyl Methacrylate	4.884	69	133935	8.580	ppbv	95
44) 2,2,4-Trimethylpentane	4.645	57	687261	9.742	ppbv	98
45) t-1,3-Dichloropropene	6.418	75	122213	7.880	ppbv	97

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Instrument :
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Manual Integrations
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 Supervised By :Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 23:18:44 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

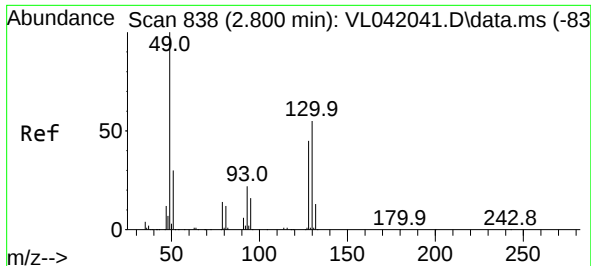
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	173008	8.620	ppbv	98
47) 1,1,2-Trichloroethane	6.590	97	148902	9.667	ppbv	96
48) Dibromochloromethane	7.393	129	230834	9.569	ppbv	98
49) Bromoform	9.487	173	207997	9.928	ppbv	98
50) 4-Methyl-2-Pentanone	5.761	43	388572	10.100	ppbv	95
51) 2-Hexanone	7.444	43	302871	11.438	ppbv #	97
52) Tetrachloroethene	8.228	164	123920	9.056	ppbv	98
53) Toluene	6.940	91	392631	8.789	ppbv	98
54) 1,2-Dibromoethane	7.655	107	196312	9.427	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.930	131	188895	10.258	ppbv	99
57) Chlorobenzene	8.924	112	335300	9.927	ppbv	98
58) Ethyl Benzene	9.357	91	553145	9.220	ppbv	99
59) m/p-Xylene	9.555	91	938027m	19.646	ppbv	
60) o-Xylene	9.966	91	472738	9.849	ppbv	99
61) Styrene	9.875	104	200572	8.888	ppbv	99
62) Isopropylbenzene	10.542	105	698706	9.720	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.966	83	335051	10.599	ppbv	99
64) n-propylbenzene	10.992	120	189167	10.032	ppbv	99
65) tert-Butylbenzene	11.536	119	645167	9.861	ppbv	99
66) Benzyl Chloride	11.620	91	46836	9.382	ppbv	97
67) sec-Butylbenzene	11.772	105	930077	9.940	ppbv	99
69) p-Isopropyltoluene	11.930	119	755360	10.147	ppbv	99
70) n-Butylbenzene	12.283	91	760425	10.007	ppbv	100
71) 2-Chlorotoluene	10.904	91	519669	9.378	ppbv	99
72) 4-Ethyltoluene	11.128	105	580446	9.904	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	489177	9.623	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	558174	9.751	ppbv	94
75) 1,3-Dichlorobenzene	11.610	146	329807	10.011	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	327949	10.026	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	329758	10.314	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	227664	9.152	ppbv	99
79) Naphthalene	13.516	128	477761	12.172	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	148881	13.860	ppbv	100
81) 1,2,4-Trichlorobenzene	13.445	180	217204	9.930	ppbv	100

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



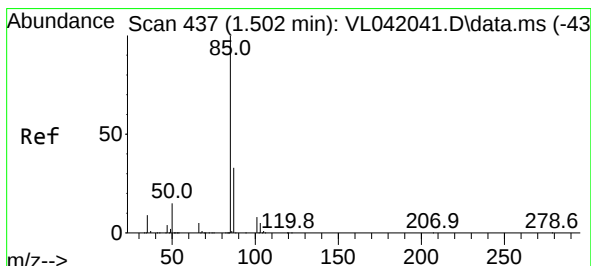
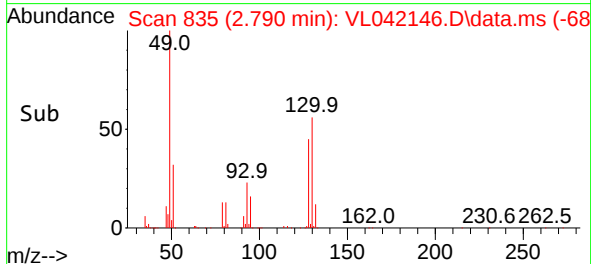
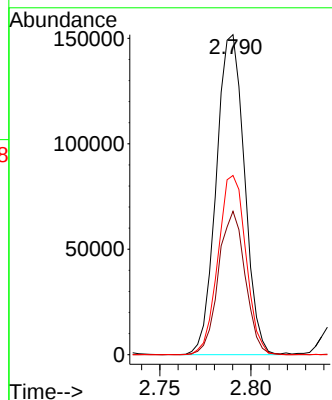
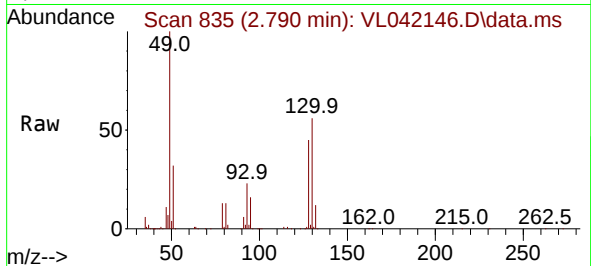
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01

Tgt Ion: 49 Resp: 163020
Ion Ratio Lower Upper
49 100
128 42.5 21.6 64.8
130 55.4 27.8 83.4

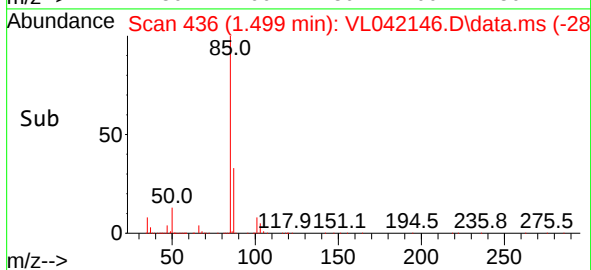
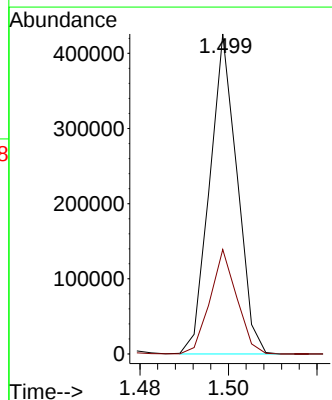
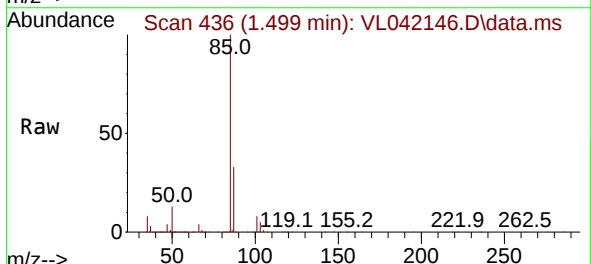
Manual Integrations
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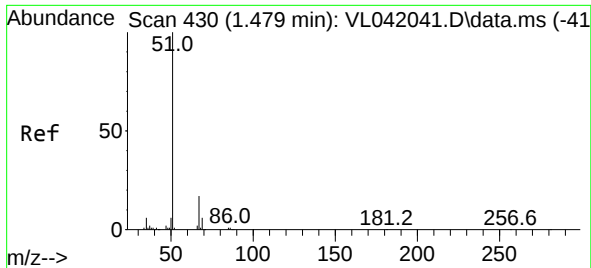
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025



#2
Dichlorodifluoromethane
Concen: 10.819 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Tgt Ion: 85 Resp: 183411
Ion Ratio Lower Upper
85 100
87 32.6 26.4 39.6





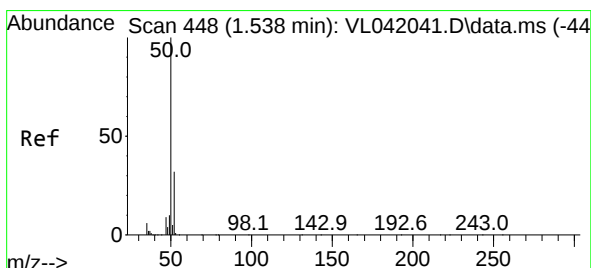
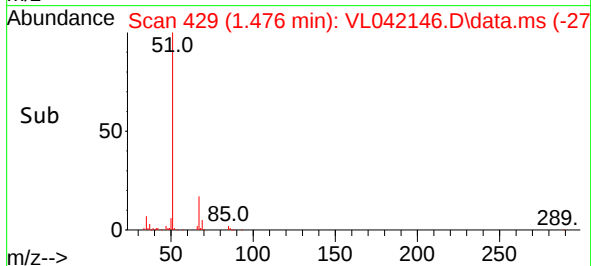
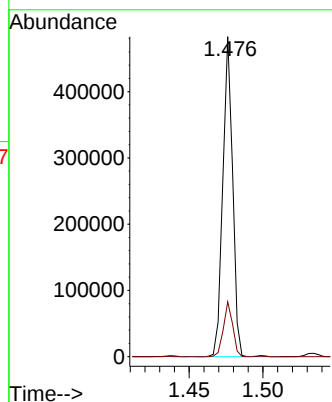
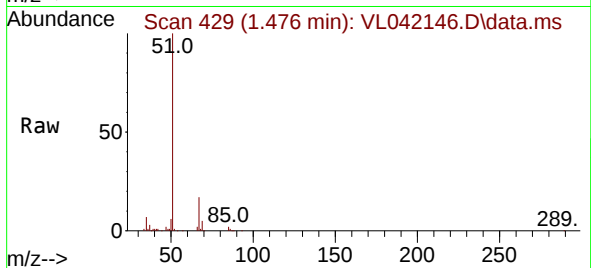
#3
Chlorodifluoromethane
Concen: 9.478 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01

Tgt Ion: 51 Resp: 224569
Ion Ratio Lower Upper
51 100
67 16.5 13.7 20.5

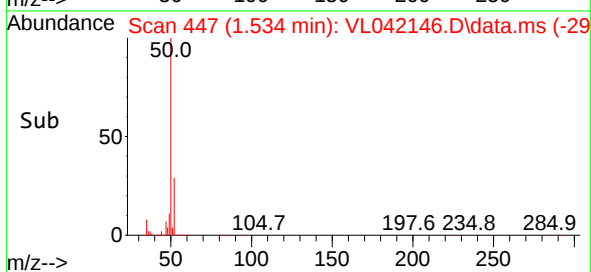
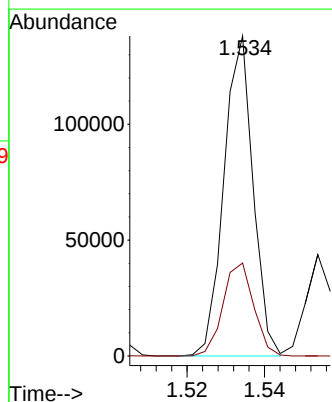
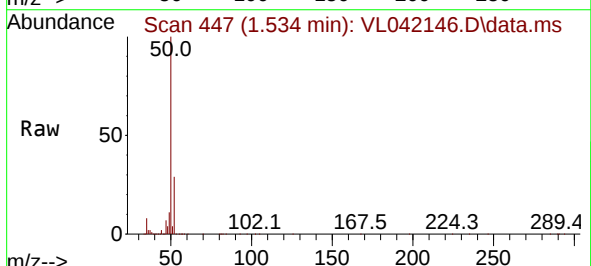
Manual Integrations
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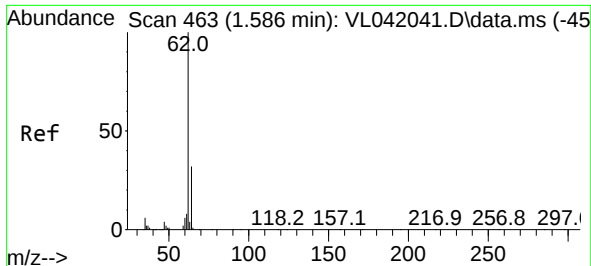
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025



#4
Chloromethane
Concen: 11.502 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Tgt Ion: 50 Resp: 72105
Ion Ratio Lower Upper
50 100
52 29.1 25.4 38.0





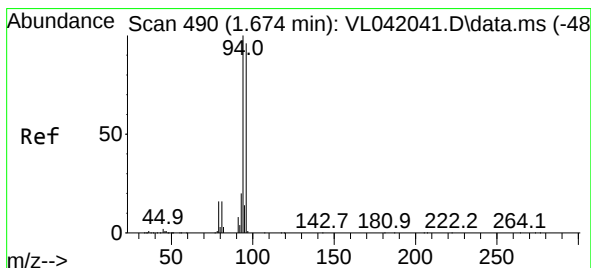
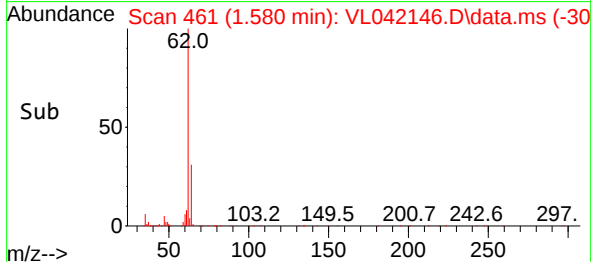
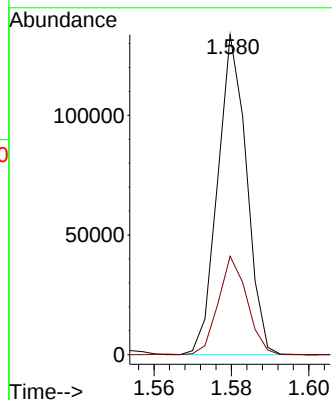
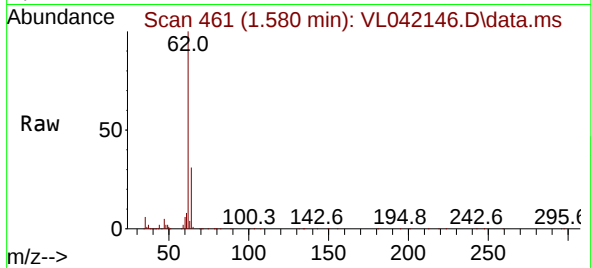
#5
 Vinyl Chloride
 Concen: 11.667 ppbv
 RT: 1.580 min Scan# 40
 Delta R.T. -0.007 min
 Lab File: VL042146.D
 Acq: 14 Mar 2025 12:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0314ABS01

Tgt Ion: 62 Resp: 69189
 Ion Ratio Lower Upper
 62 100
 64 30.7 25.3 37.9

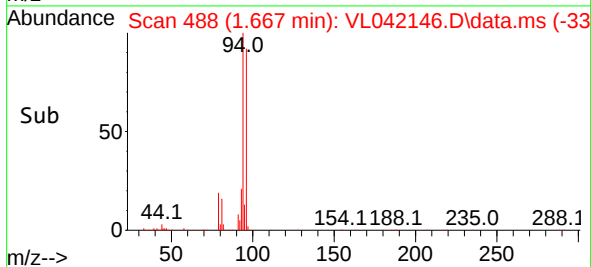
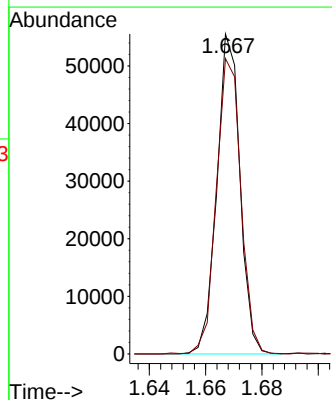
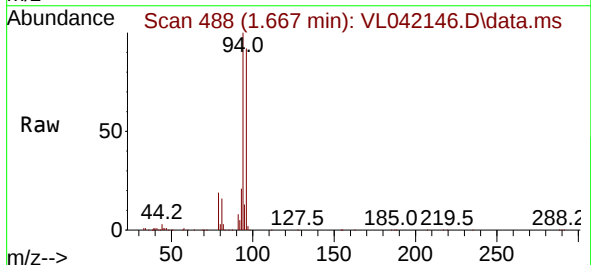
Manual Integrations
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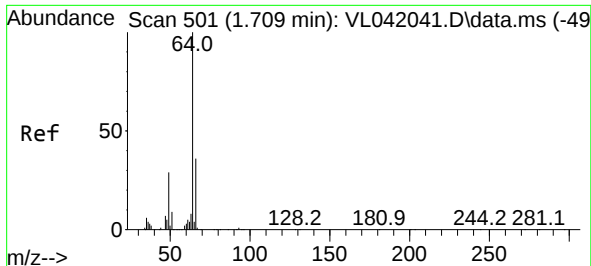
Reviewed By :Semsettin Yesilyurt 03/17/2025
 Supervised By :Mahesh Dadoda 03/17/2025



#6
 Bromomethane
 Concen: 11.220 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.007 min
 Lab File: VL042146.D
 Acq: 14 Mar 2025 12:27

Tgt Ion: 94 Resp: 31681
 Ion Ratio Lower Upper
 94 100
 96 92.1 76.5 114.7





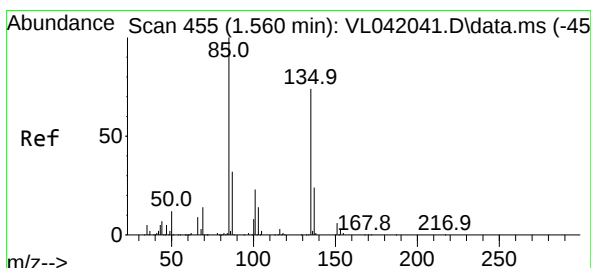
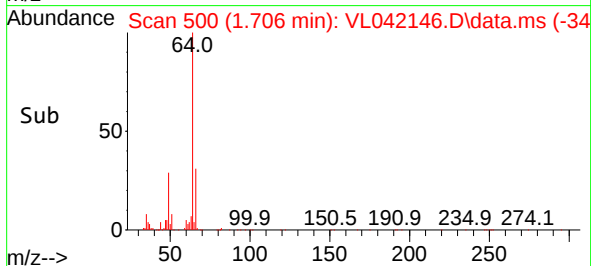
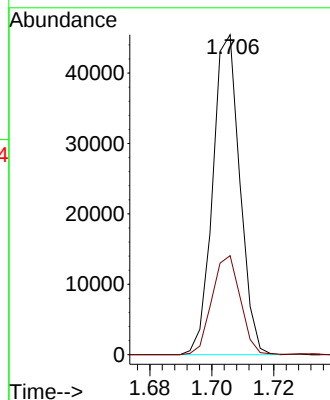
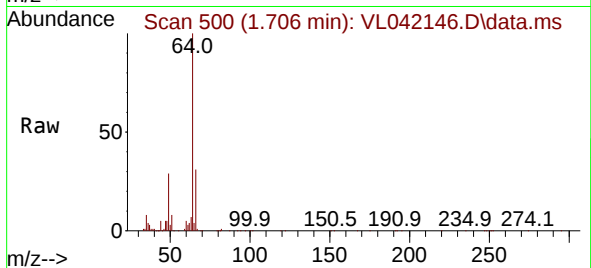
#7
Chloroethane
Concen: 11.461 ppbv
RT: 1.706 min Scan# 501
Delta R.T. -0.003 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01

Tgt Ion: 64 Resp: 27615
Ion Ratio Lower Upper
64 100
66 30.9 28.4 42.6

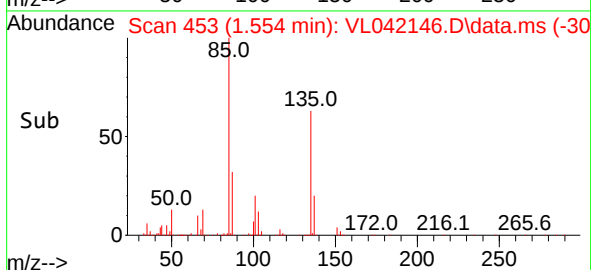
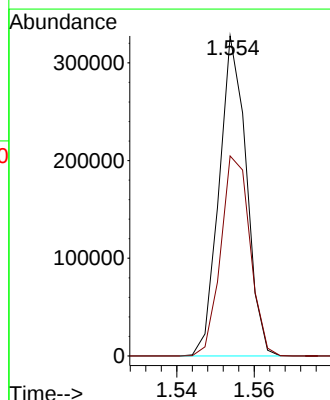
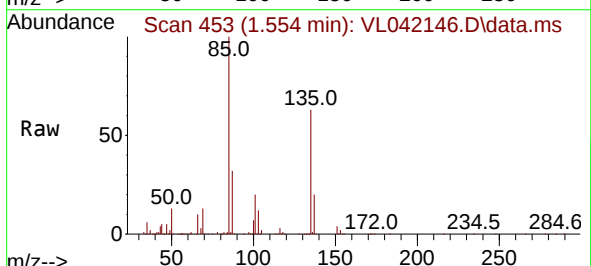
Manual Integrations
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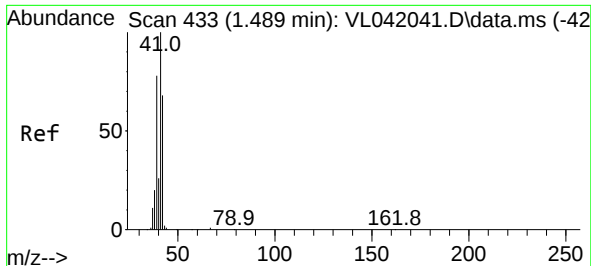
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025



#8
Dichlorotetrafluoroethane
Concen: 11.444 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.007 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Tgt Ion: 85 Resp: 159489
Ion Ratio Lower Upper
85 100
135 67.5 54.6 81.8





#9

Propene

Concen: 8.811 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042146.D

Acq: 14 Mar 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

VL0314ABS01

Tgt Ion: 41 Resp: 8505

Ion Ratio Lower Upper

41 100

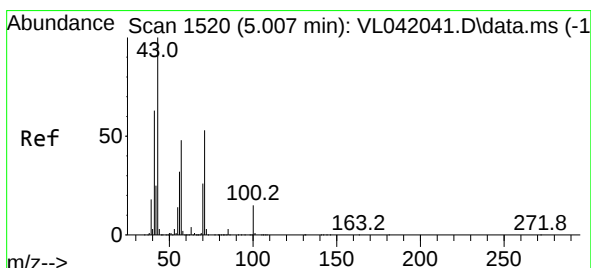
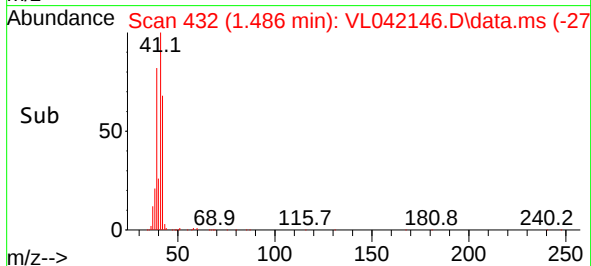
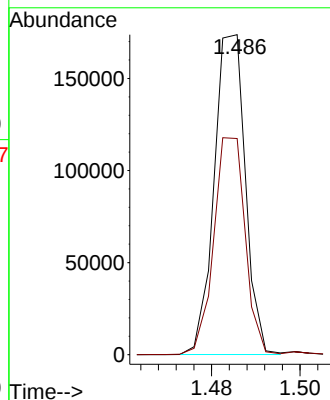
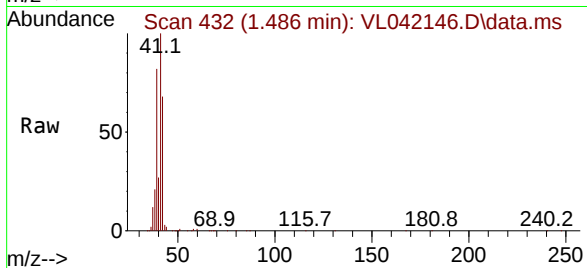
42 69.2 55.8 83.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2025

Supervised By :Mahesh Dadoda 03/17/2025



#10

Heptane

Concen: 8.570 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. -0.023 min

Lab File: VL042146.D

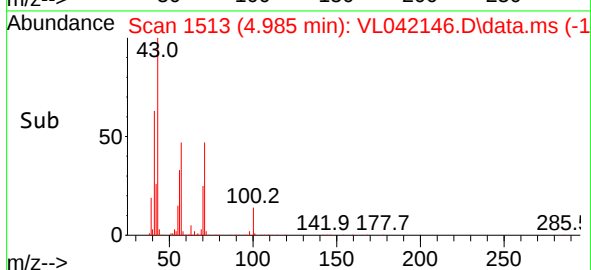
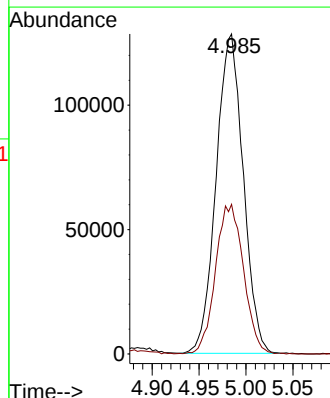
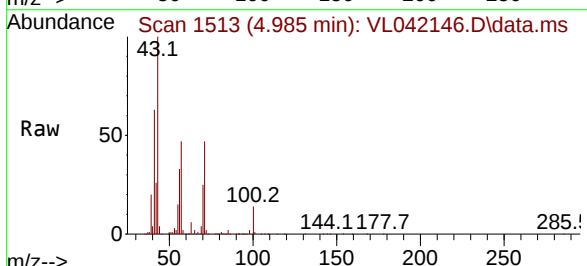
Acq: 14 Mar 2025 12:27

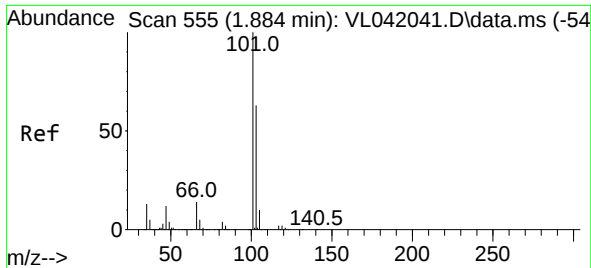
Tgt Ion: 43 Resp: 257569

Ion Ratio Lower Upper

43 100

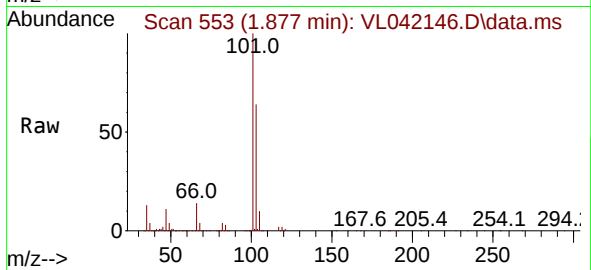
57 48.5 39.4 59.0





#11
 Trichlorofluoromethane
 Concen: 11.858 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.007 min
 Lab File: VL042146.D
 Acq: 14 Mar 2025 12:27

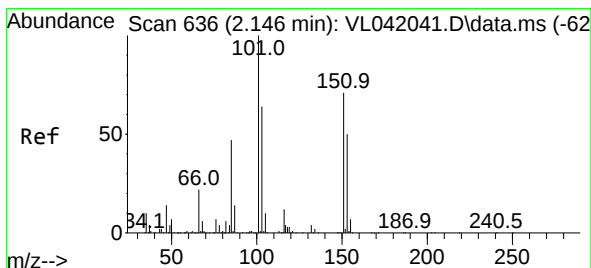
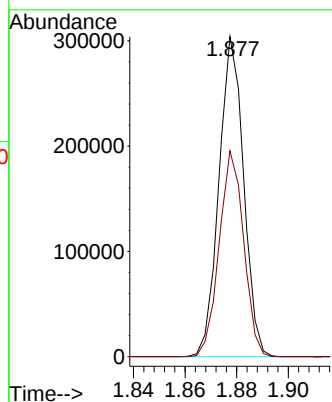
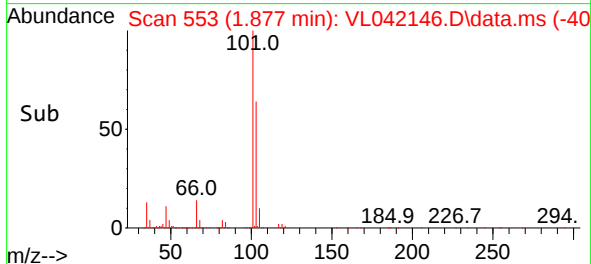
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0314ABS01



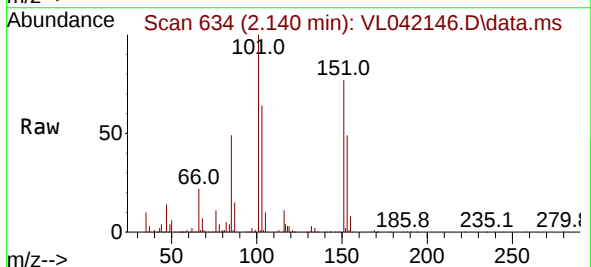
Tgt Ion:101 Resp: 201423
 Ion Ratio Lower Upper
 101 100
 103 64.3 50.6 75.8

Manual Integrations
 APPROVED

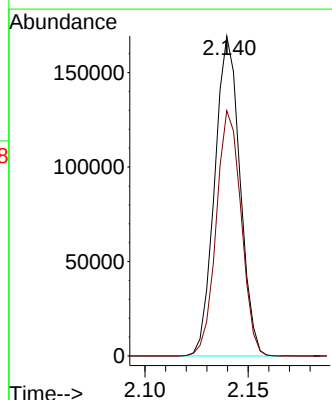
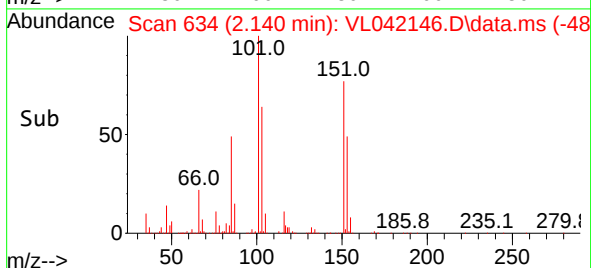
Reviewed By :Semsettin Yesilyurt 03/17/2025
 Supervised By :Mahesh Dadoda 03/17/2025

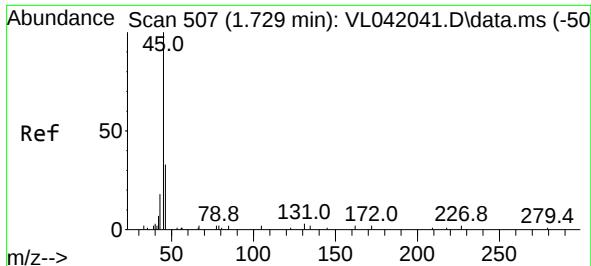


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.630 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.007 min
 Lab File: VL042146.D
 Acq: 14 Mar 2025 12:27



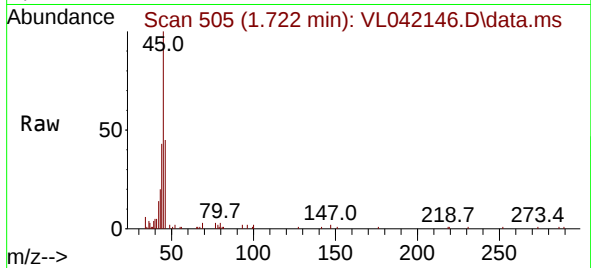
Tgt Ion:101 Resp: 144035
 Ion Ratio Lower Upper
 101 100
 151 75.4 62.6 94.0





#13
Ethanol
Concen: 9.175 ppbv
RT: 1.722 min Scan# 507
Delta R.T. -0.007 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

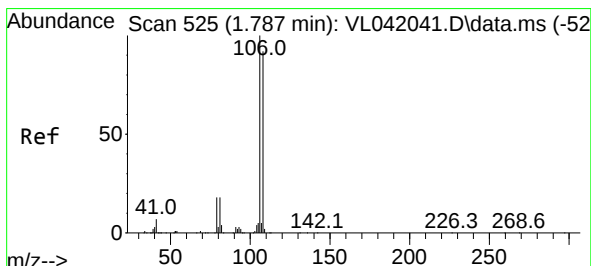
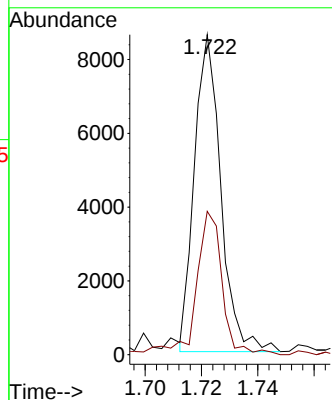
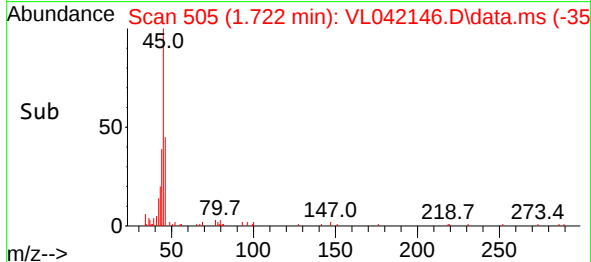
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01



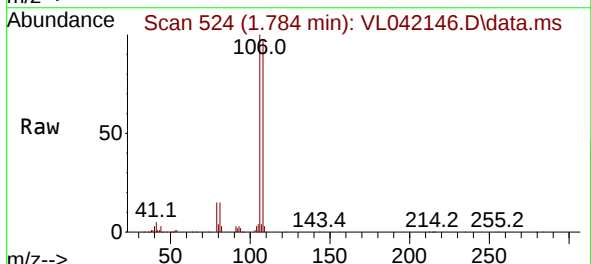
Tgt Ion: 45 Resp: 562
Ion Ratio Lower Upper
45 100
46 44.7 17.1 68.3

Manual Integrations
APPROVED

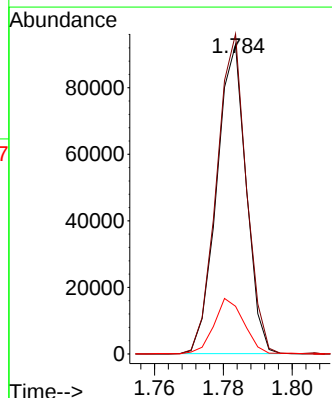
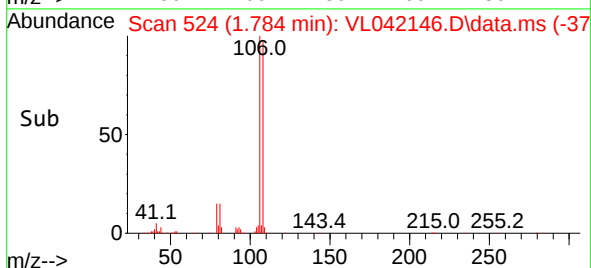
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

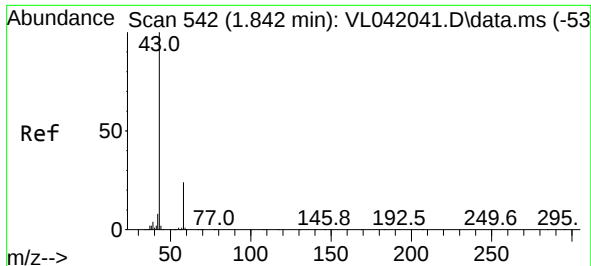


#14
Bromoethene
Concen: 11.541 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.003 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27



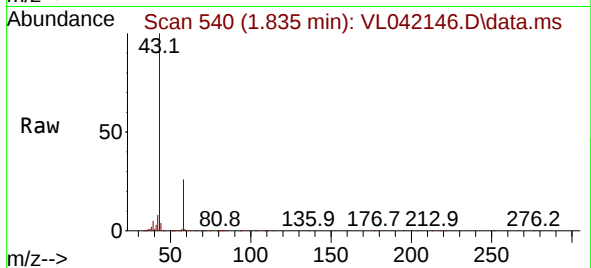
Tgt Ion:108 Resp: 55222
Ion Ratio Lower Upper
108 100
106 104.5 85.4 128.0
79 18.6 16.5 24.7





#15
Acetone
Concen: 10.755 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.007 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

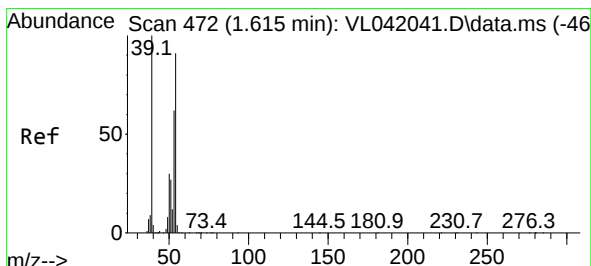
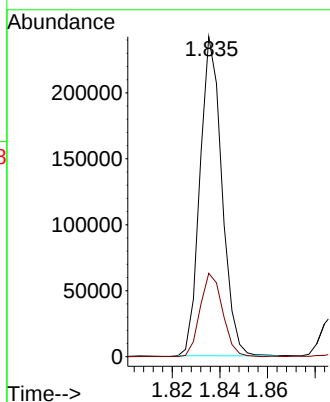
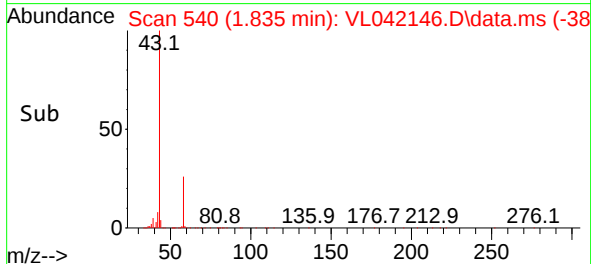
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01



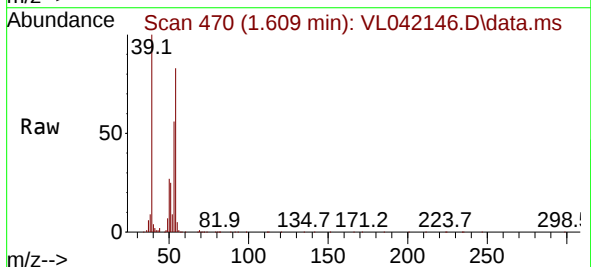
Tgt Ion: 43 Resp: 15484
Ion Ratio Lower Upper
43 100
58 27.1 20.7 31.1

Manual Integrations
APPROVED

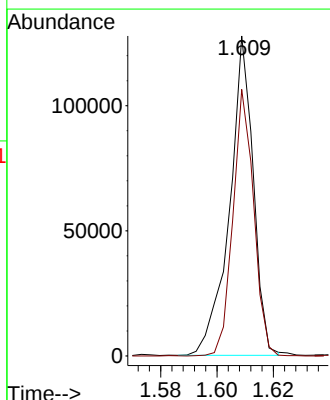
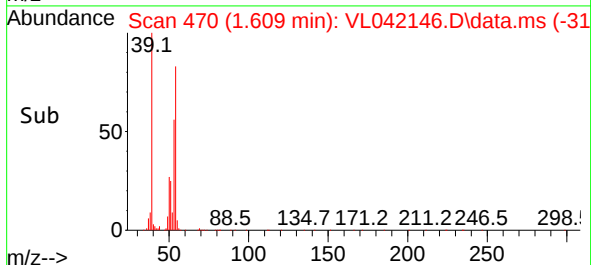
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

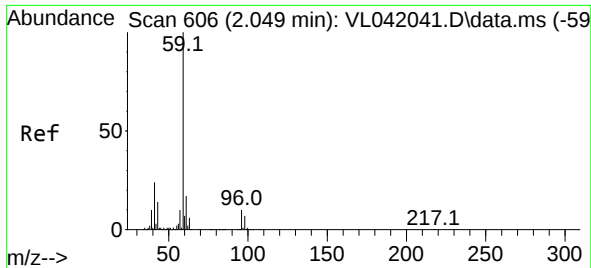


#16
1,3-Butadiene
Concen: 11.115 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.007 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27



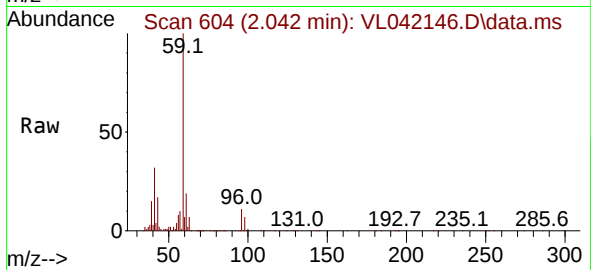
Tgt Ion: 39 Resp: 74468
Ion Ratio Lower Upper
39 100
54 73.5 59.6 89.4





#17
tert-Butyl alcohol
Concen: 9.382 ppbv
RT: 2.042 min Scan# 604
Delta R.T. -0.007 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

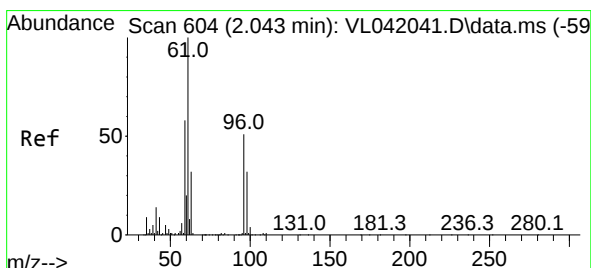
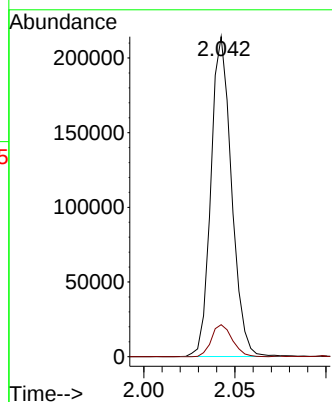
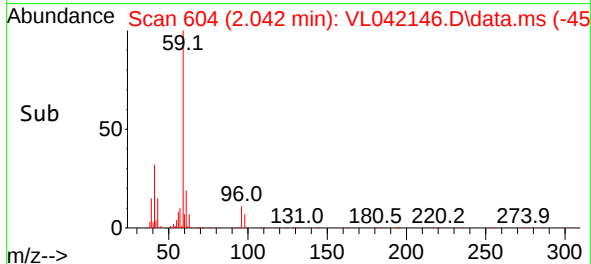
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01



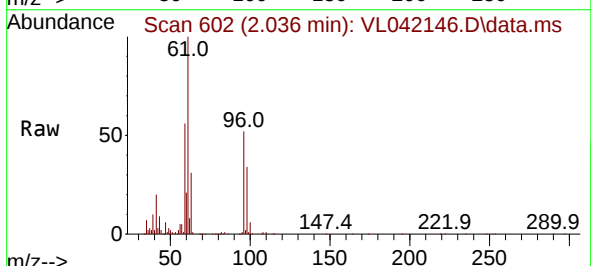
Tgt Ion: 59 Resp: 16899
Ion Ratio Lower Upper
59 100
57 10.2 9.3 13.9

Manual Integrations
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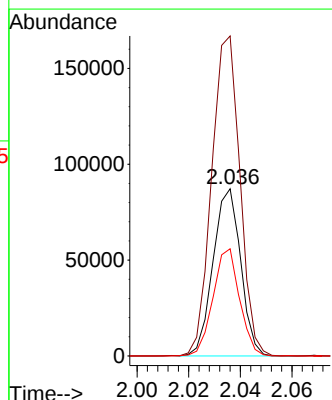
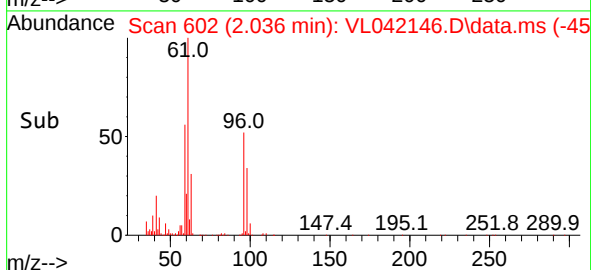
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

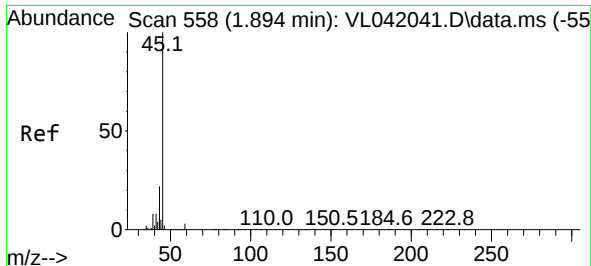


#18
1,1-Dichloroethene
Concen: 10.568 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.007 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27



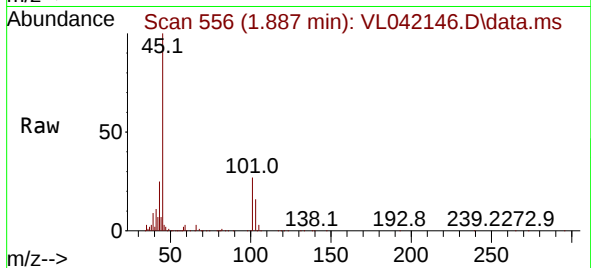
Tgt Ion: 96 Resp: 64700
Ion Ratio Lower Upper
96 100
61 191.2 156.0 234.0
98 64.1 49.4 74.2





#19
Isopropyl Alcohol
Concen: 10.377 ppbv
RT: 1.887 min Scan# 558
Delta R.T. -0.007 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

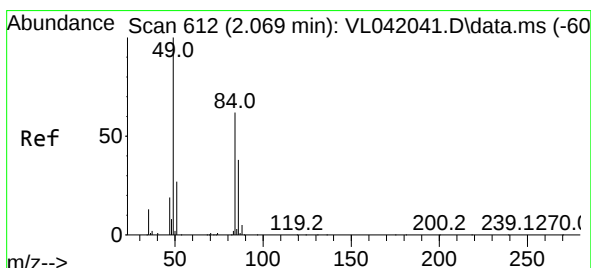
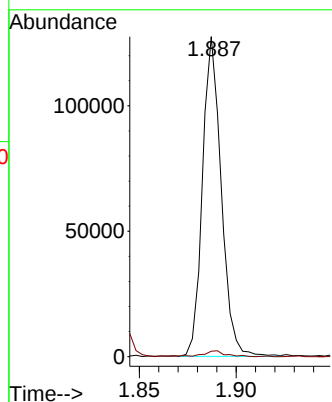
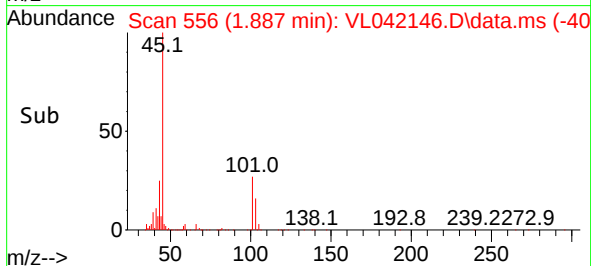
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01



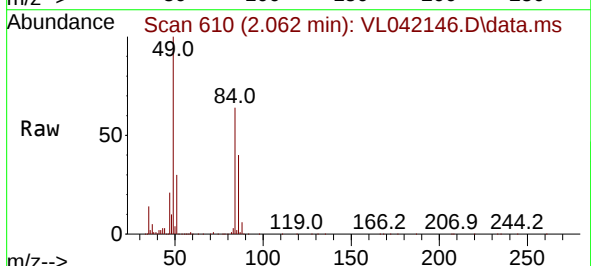
Tgt Ion: 45 Resp: 85819
Ion Ratio Lower Upper
45 100
58 2.3 35.3 52.9

Manual Integrations
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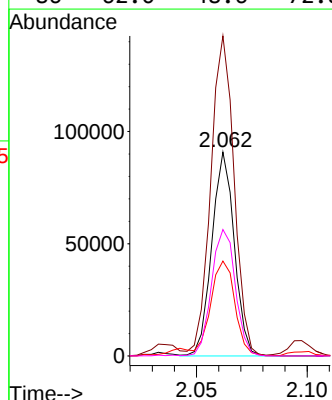
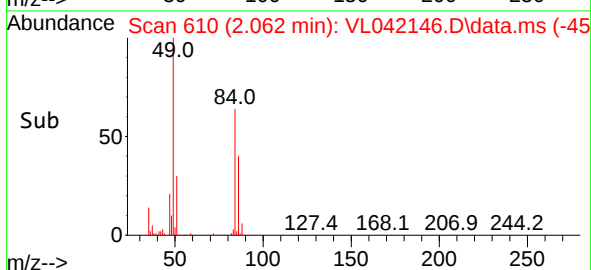
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

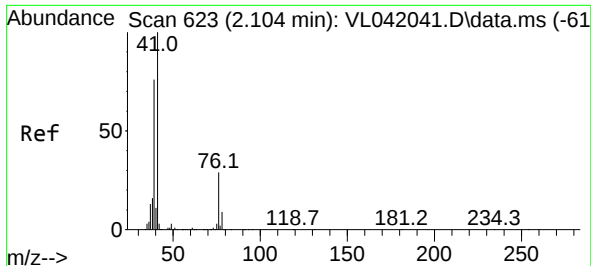


#20
Methylene Chloride
Concen: 11.756 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.007 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27



Tgt Ion: 84 Resp: 64018
Ion Ratio Lower Upper
84 100
49 155.6 130.0 195.0
51 46.1 37.4 56.0
86 62.0 48.6 72.8





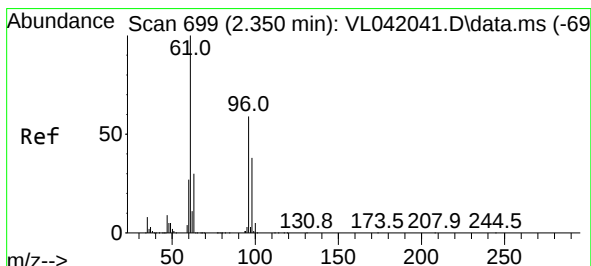
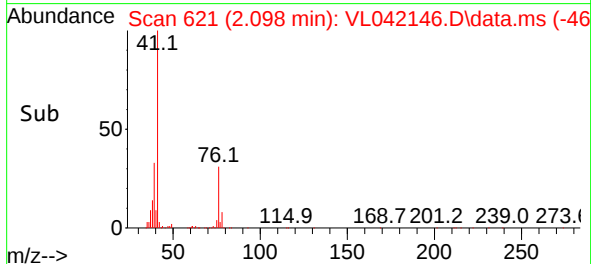
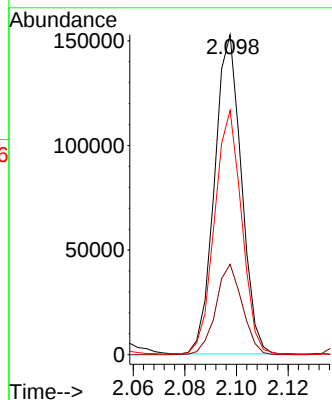
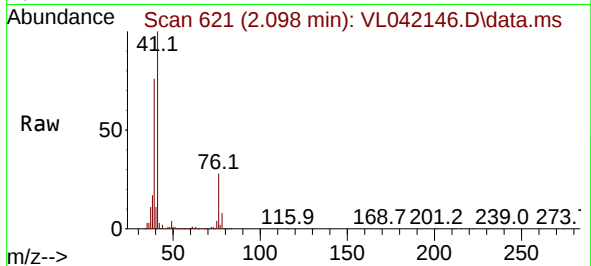
#21
 Allyl Chloride
 Concen: 10.607 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: VL042146.D
 Acq: 14 Mar 2025 12:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0314ABS01

Tgt Ion: 41 Resp: 110330
 Ion Ratio Lower Upper
 41 100
 76 27.9 23.8 35.6
 39 77.0 63.8 95.6

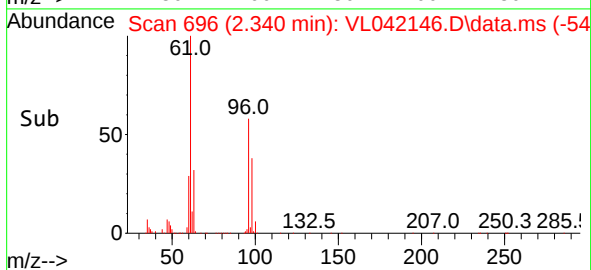
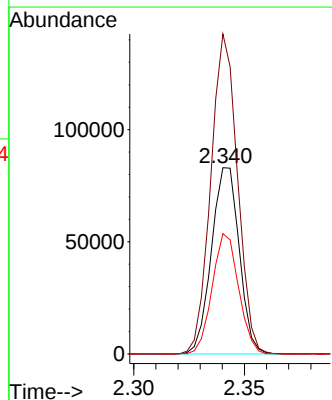
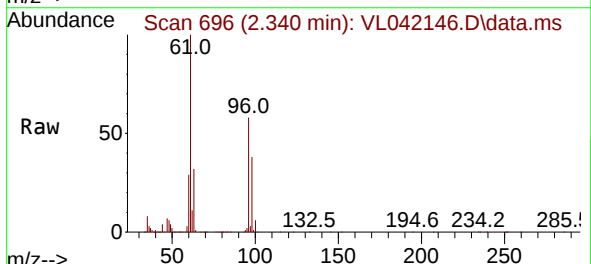
Manual Integrations
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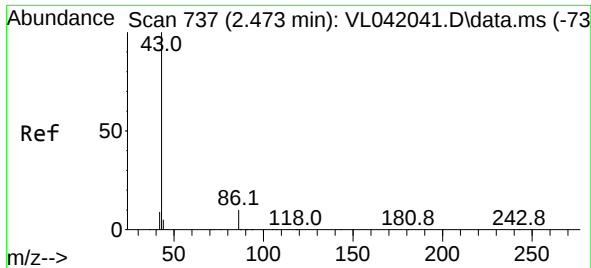
Reviewed By :Semsettin Yesilyurt 03/17/2025
 Supervised By :Mahesh Dadoda 03/17/2025



#22
 trans-1,2-Dichloroethene
 Concen: 10.144 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.010 min
 Lab File: VL042146.D
 Acq: 14 Mar 2025 12:27

Tgt Ion: 96 Resp: 72399
 Ion Ratio Lower Upper
 96 100
 61 171.7 136.6 205.0
 98 64.6 51.8 77.6





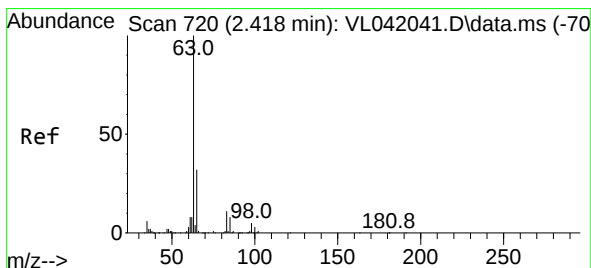
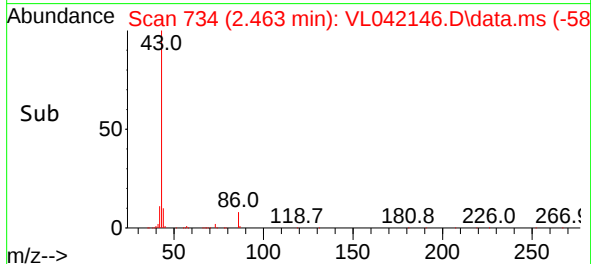
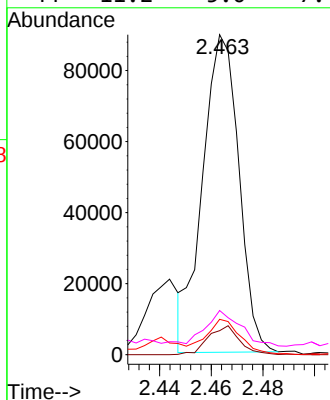
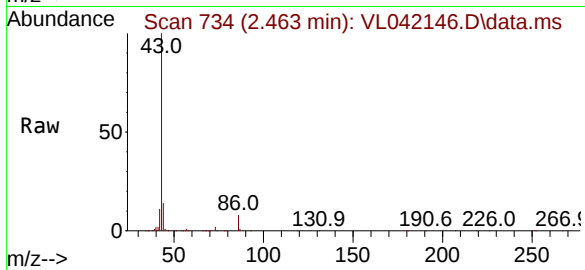
#23
 Vinyl Acetate
 Concen: 8.623 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. -0.010 min
 Lab File: VL042146.D
 Acq: 14 Mar 2025 12:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0314ABS01

Tgt Ion: 43 Resp: 87289
 Ion Ratio Lower Upper
 43 100
 86 8.2 7.0 10.4
 42 10.9 7.6 11.4
 44 11.2 5.0 7.4#

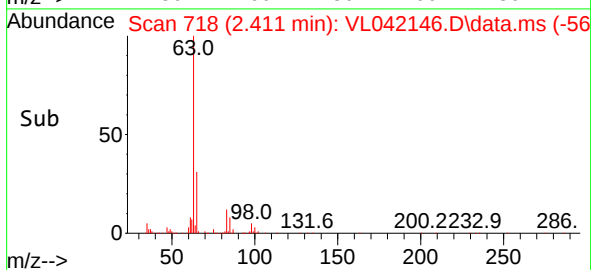
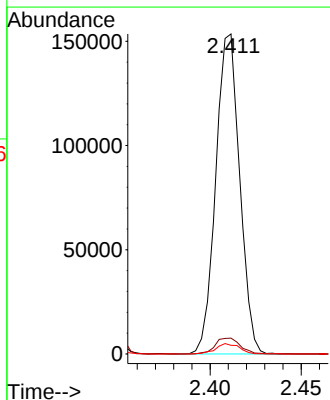
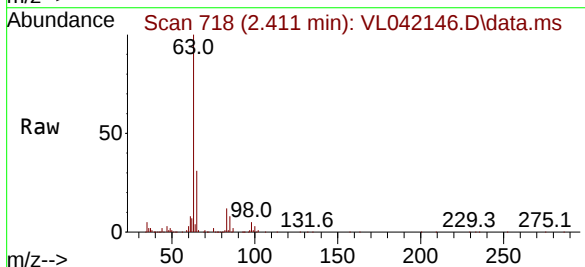
Manual Integrations
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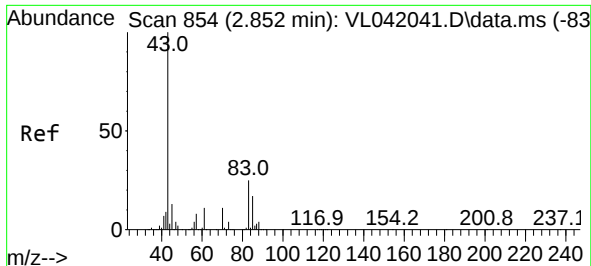
Reviewed By :Semsettin Yesilyurt 03/17/2025
 Supervised By :Mahesh Dadoda 03/17/2025



#24
 1,1-Dichloroethane
 Concen: 10.566 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. -0.007 min
 Lab File: VL042146.D
 Acq: 14 Mar 2025 12:27

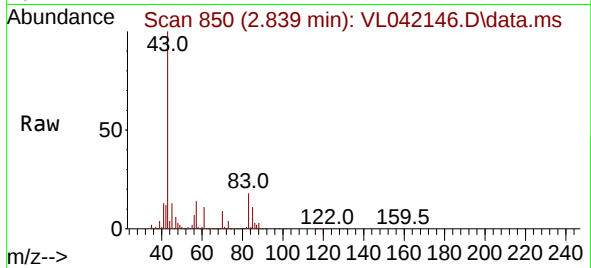
Tgt Ion: 63 Resp: 140322
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.4 7.2
 100 2.7 1.7 5.0





#25
Ethyl Acetate
Concen: 9.164 ppbv
RT: 2.839 min Scan# 845
Delta R.T. -0.013 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

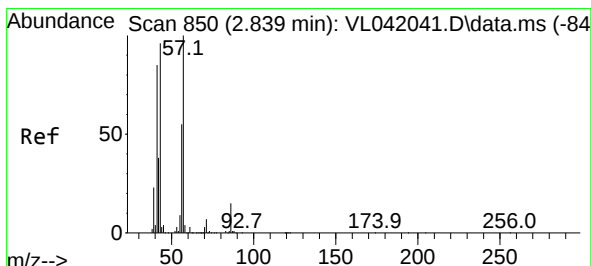
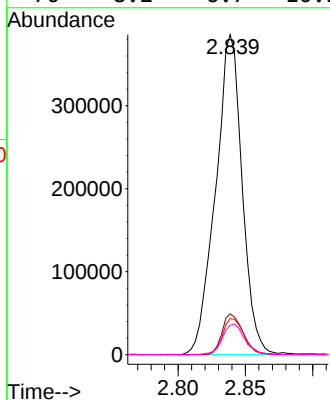
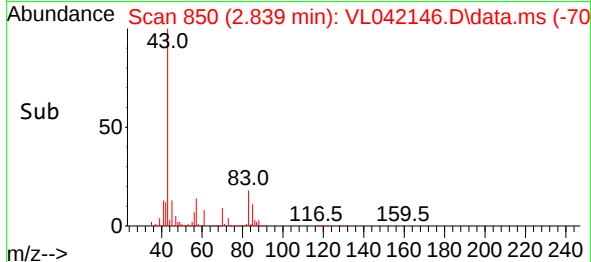
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01



Tgt Ion: 43 Resp: 528080
Ion Ratio Lower Upper
43 100
45 10.2 8.1 12.1
61 9.1 7.2 10.8
70 8.2 6.7 10.1

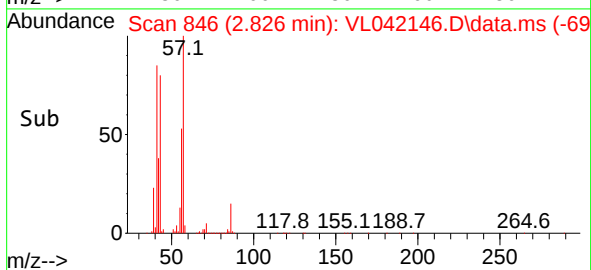
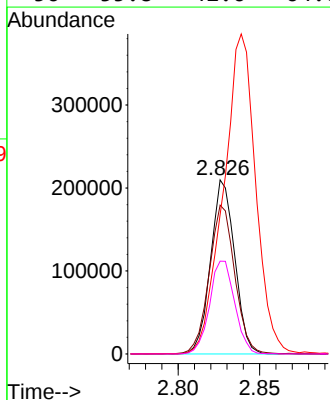
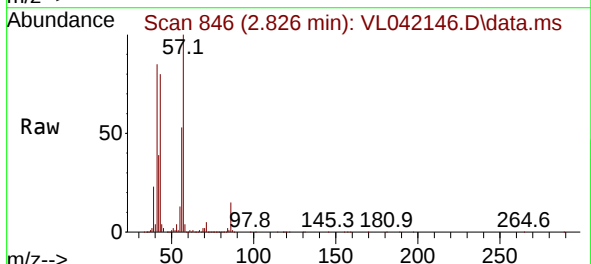
Manual Integrations
APPROVED

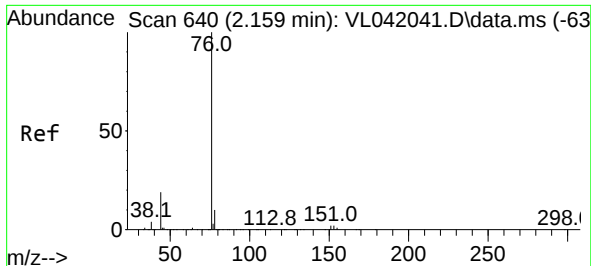
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025



#26
Hexane
Concen: 9.231 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.013 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

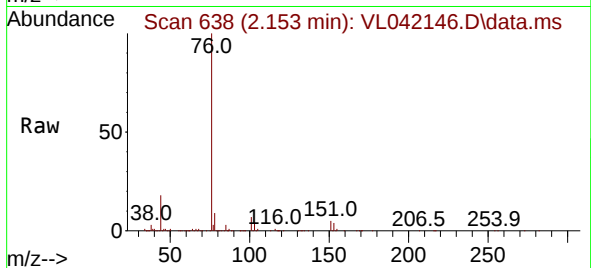
Tgt Ion: 57 Resp: 215050
Ion Ratio Lower Upper
57 100
41 91.8 70.6 106.0
43 246.9 199.4 299.0
56 55.8 42.6 64.0





#27
Carbon Disulfide
Concen: 10.787 ppbv
RT: 2.153 min Scan# 611
Delta R.T. -0.007 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

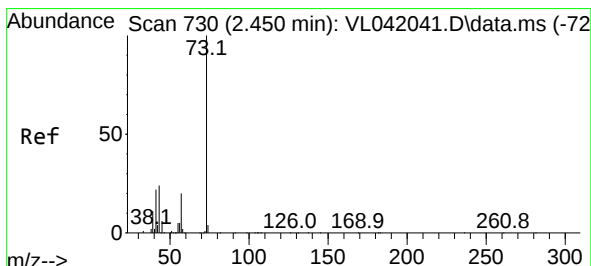
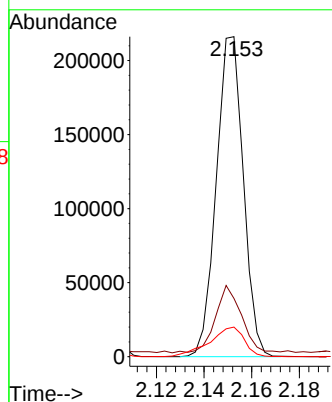
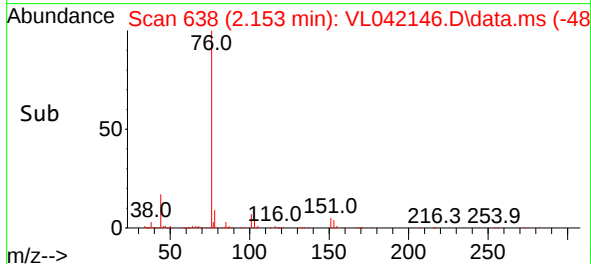
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01



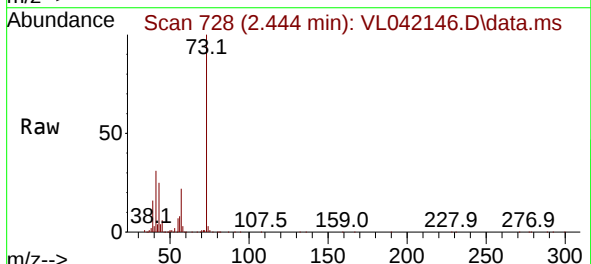
Tgt Ion: 76 Resp: 170348
Ion Ratio Lower Upper
76 100
44 20.3 16.2 24.2
78 11.9 9.4 14.0

Manual Integrations
APPROVED

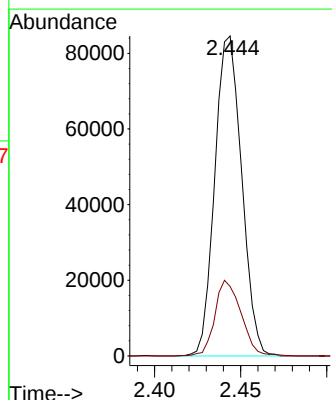
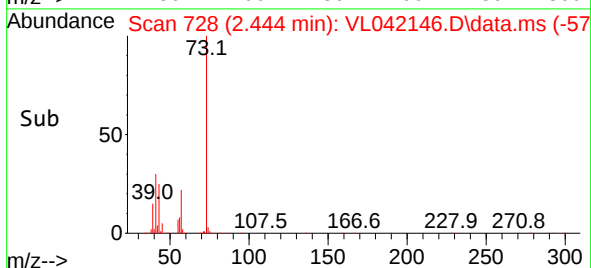
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

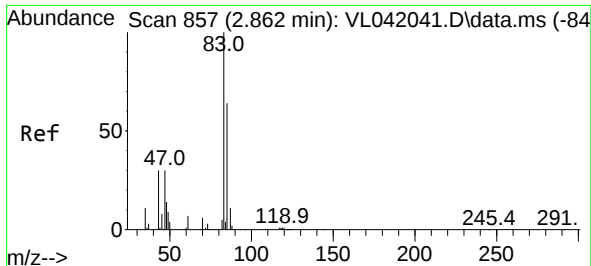


#28
Methyl tert-Butyl Ether
Concen: 7.925 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.007 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27



Tgt Ion: 73 Resp: 91925
Ion Ratio Lower Upper
73 100
57 23.1 17.7 26.5





#29

Chloroform

Concen: 9.071 ppbv

RT: 2.852 min Scan# 81

Delta R.T. -0.010 min

Lab File: VL042146.D

Acq: 14 Mar 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

VL0314ABS01

Tgt Ion: 83 Resp: 28442

Ion Ratio Lower Upper

83 100

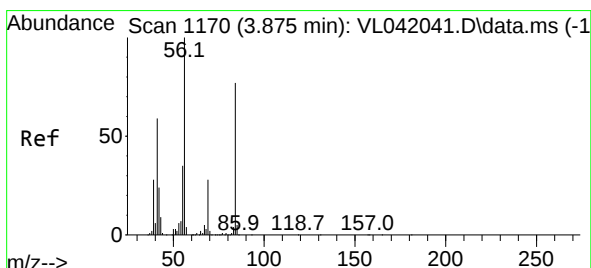
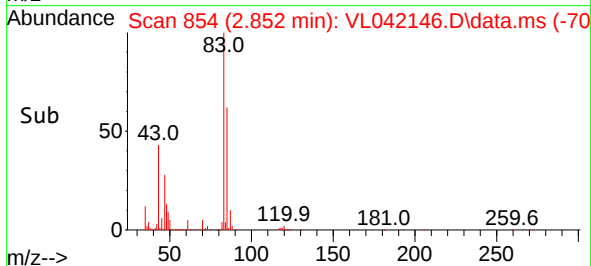
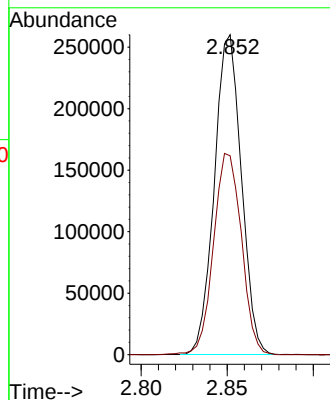
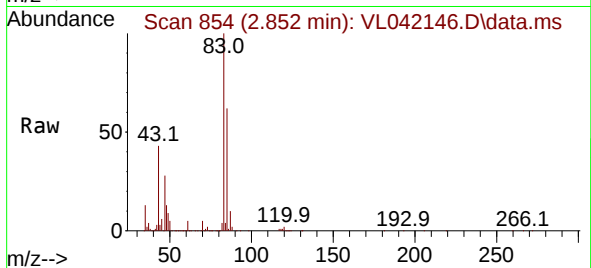
85 62.2 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2025

Supervised By :Mahesh Dadoda 03/17/2025



#30

Cyclohexane

Concen: 8.240 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. -0.013 min

Lab File: VL042146.D

Acq: 14 Mar 2025 12:27

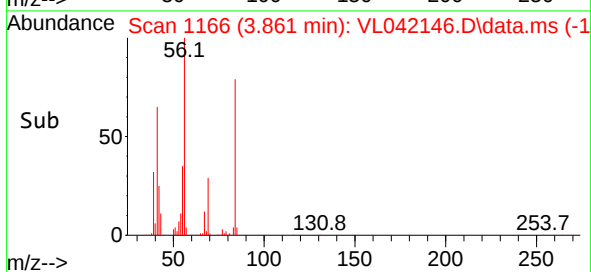
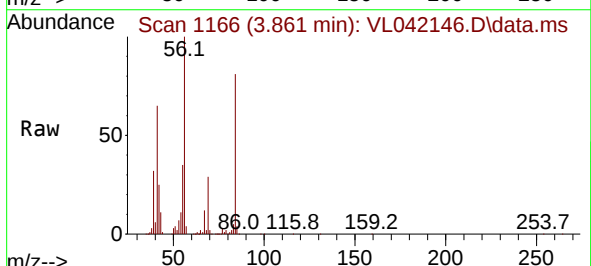
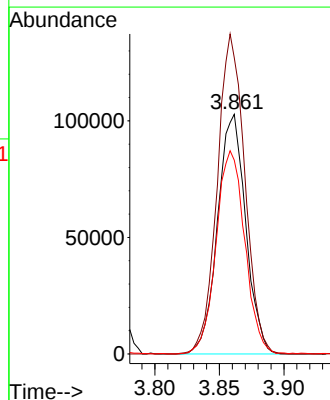
Tgt Ion: 84 Resp: 155818

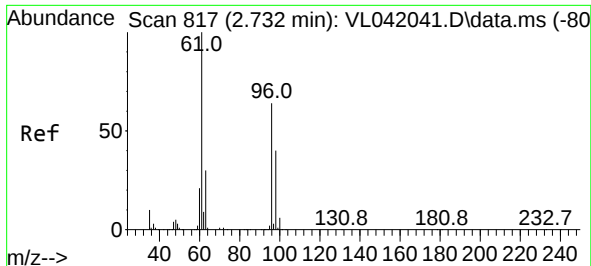
Ion Ratio Lower Upper

84 100

56 130.9 101.5 152.3

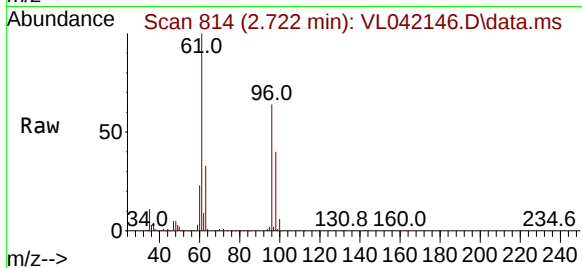
41 86.9 62.6 93.8





#31
 cis-1,2-Dichloroethene
 Concen: 8.173 ppbv
 RT: 2.722 min Scan# 817
 Delta R.T. -0.010 min
 Lab File: VL042146.D
 Acq: 14 Mar 2025 12:27

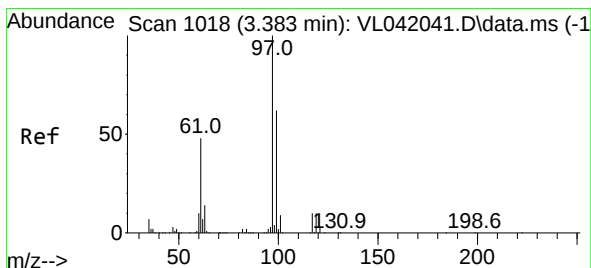
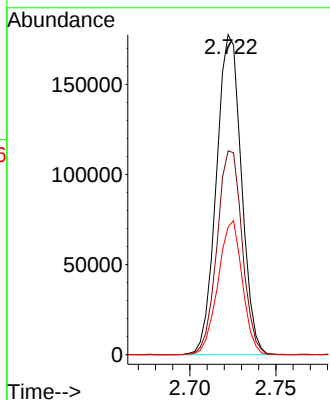
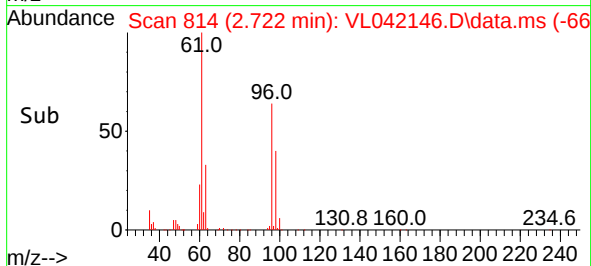
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0314ABS01



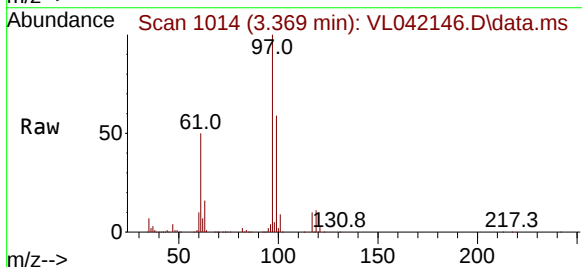
Tgt Ion: 61 Resp: 18024
 Ion Ratio Lower Upper
 61 100
 96 63.7 51.5 77.3
 98 39.9 32.0 48.0

Manual Integrations
 APPROVED

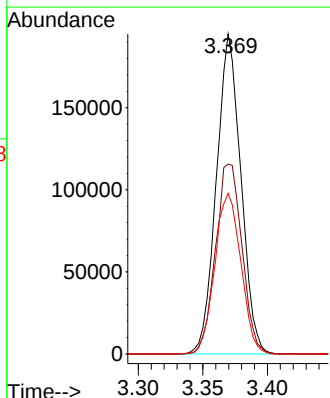
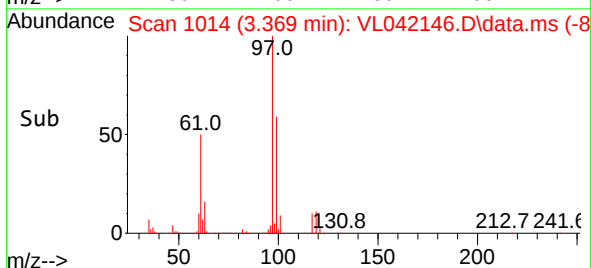
Reviewed By :Semsettin Yesilyurt 03/17/2025
 Supervised By :Mahesh Dadoda 03/17/2025

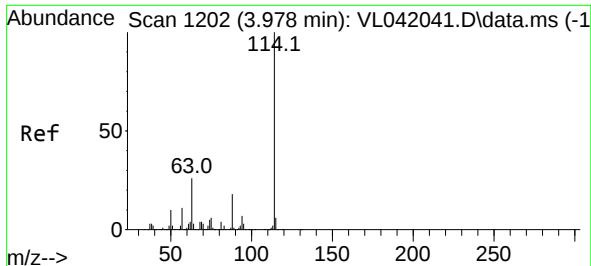


#32
 1,1,1-Trichloroethane
 Concen: 8.448 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. -0.013 min
 Lab File: VL042146.D
 Acq: 14 Mar 2025 12:27



Tgt Ion: 97 Resp: 256963
 Ion Ratio Lower Upper
 97 100
 99 64.1 49.8 74.6
 61 53.5 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.020 min

Lab File: VL042146.D

Acq: 14 Mar 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

VL0314ABS01

Tgt Ion:114 Resp: 38184

Ion Ratio Lower Upper

114 100

63 25.6 20.1 30.1

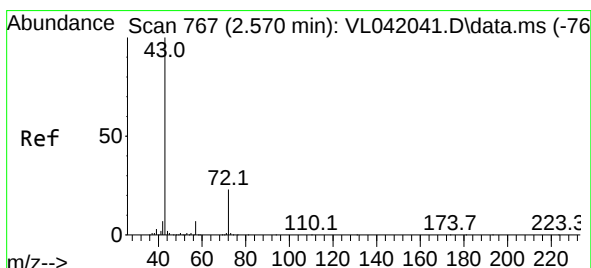
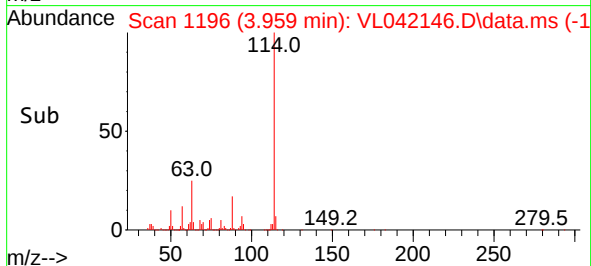
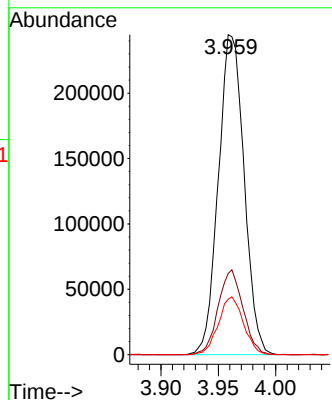
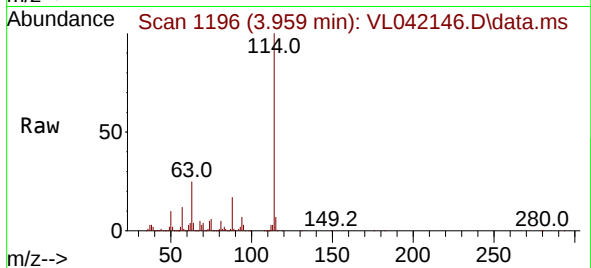
88 17.6 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2025

Supervised By :Mahesh Dadoda 03/17/2025



#34

2-Butanone

Concen: 9.726 ppbv

RT: 2.560 min Scan# 764

Delta R.T. -0.010 min

Lab File: VL042146.D

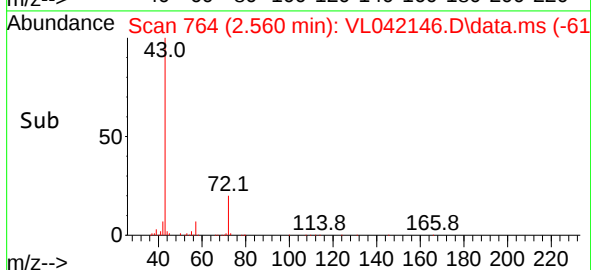
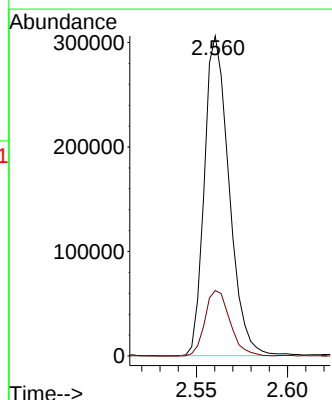
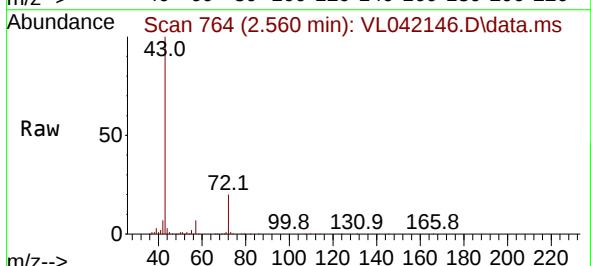
Acq: 14 Mar 2025 12:27

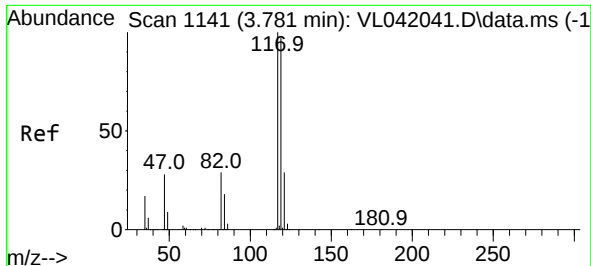
Tgt Ion: 43 Resp: 289331

Ion Ratio Lower Upper

43 100

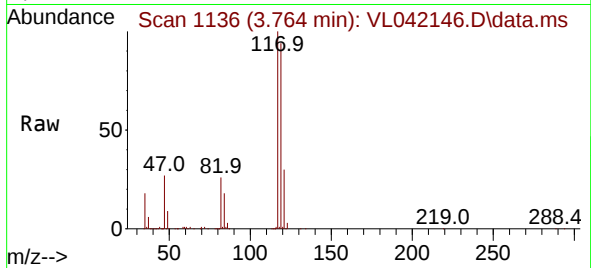
72 20.8 18.5 27.7





#35
Carbon Tetrachloride
Concen: 10.165 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. -0.016 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

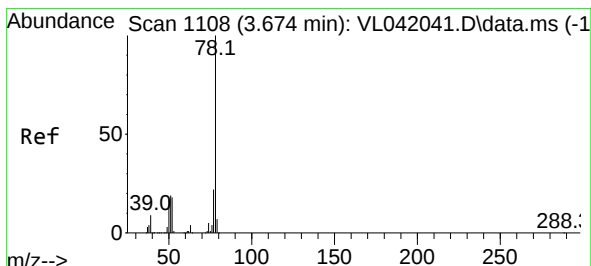
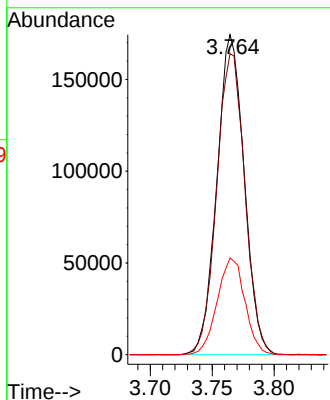
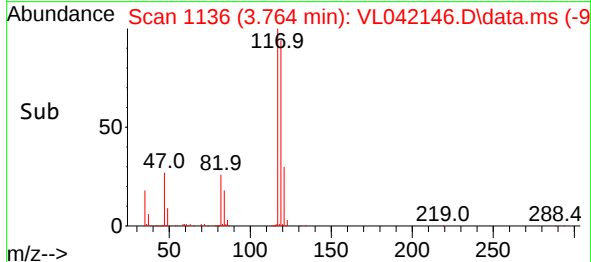
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01



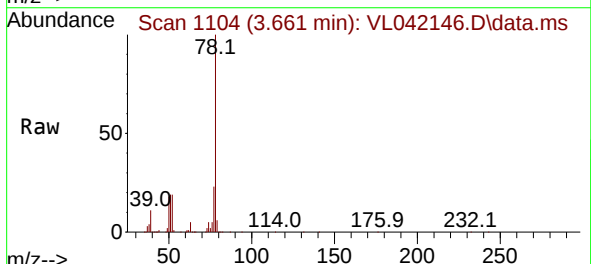
Tgt Ion:117 Resp: 267662
Ion Ratio Lower Upper
117 100
119 94.1 77.8 116.8
121 30.2 23.4 35.0

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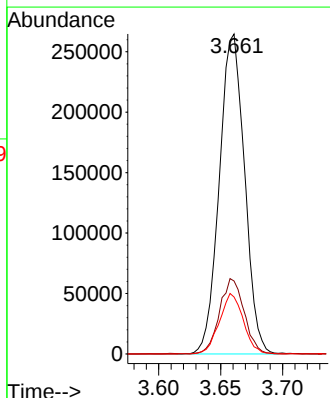
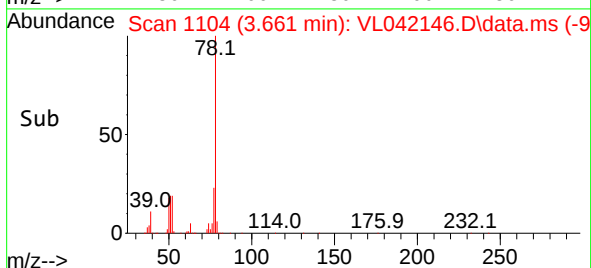
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

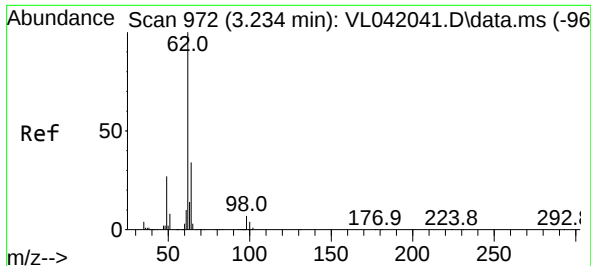


#36
Benzene
Concen: 9.415 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.013 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27



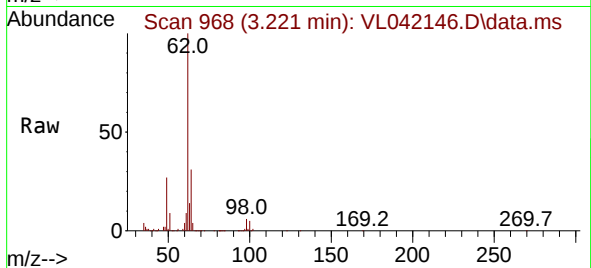
Tgt Ion: 78 Resp: 376328
Ion Ratio Lower Upper
78 100
77 22.7 17.7 26.5
50 17.8 13.9 20.9





#37
1,2-Dichloroethane
Concen: 9.460 ppbv
RT: 3.221 min Scan# 90
Delta R.T. -0.013 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

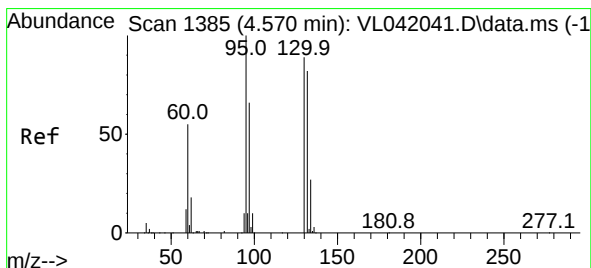
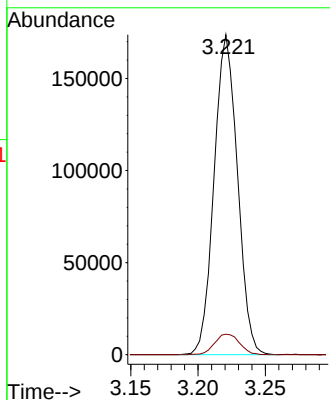
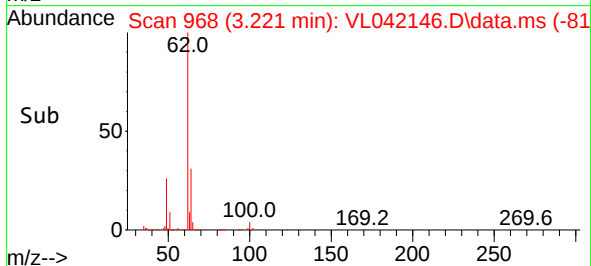
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01



Tgt Ion: 62 Resp: 209658
Ion Ratio Lower Upper
62 100
98 6.9 5.7 8.5

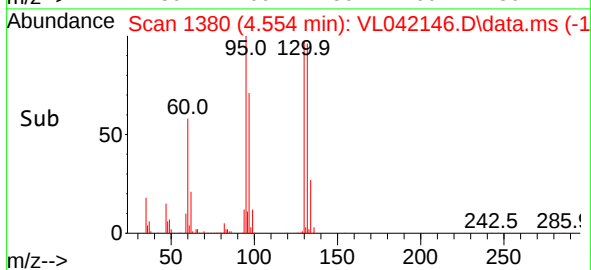
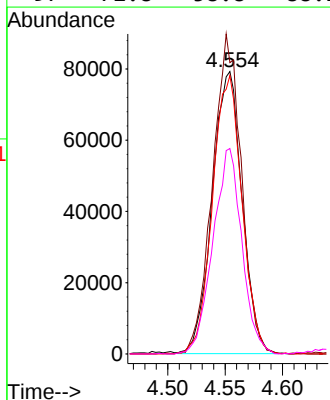
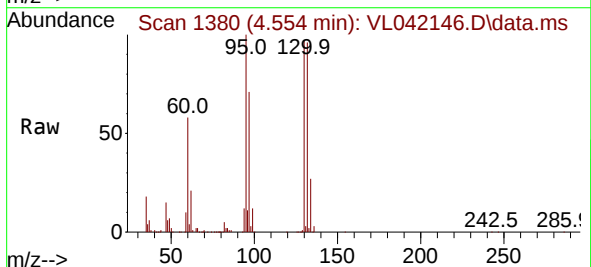
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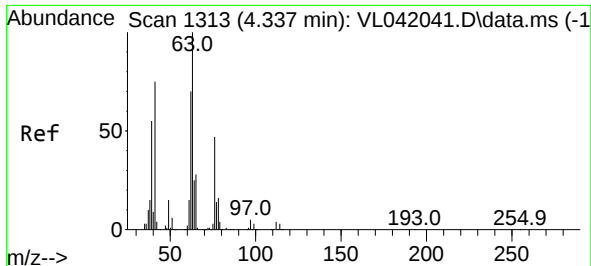
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025



#38
Trichloroethene
Concen: 8.796 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. -0.016 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Tgt Ion:130 Resp: 143571
Ion Ratio Lower Upper
130 100
95 103.1 89.5 134.3
132 98.6 73.8 110.6
97 72.8 58.8 88.2





#39

1,2-Dichloropropane

Concen: 9.386 ppbv

RT: 4.318 min Scan# 11

Delta R.T. -0.020 min

Lab File: VL042146.D

Acq: 14 Mar 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

VL0314ABS01

Tgt Ion: 63 Resp: 14240

Ion Ratio Lower Upper

63 100

41 77.3 60.1 90.1

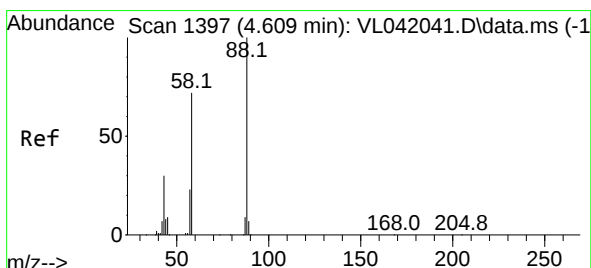
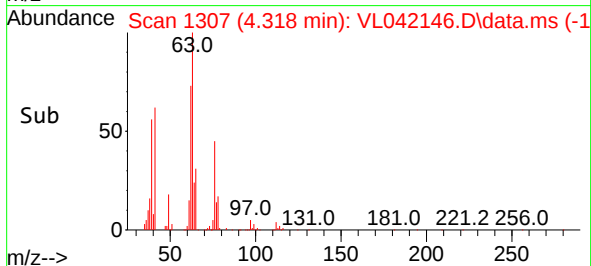
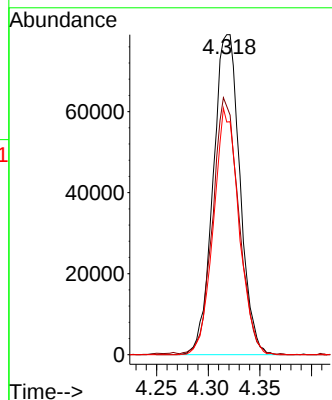
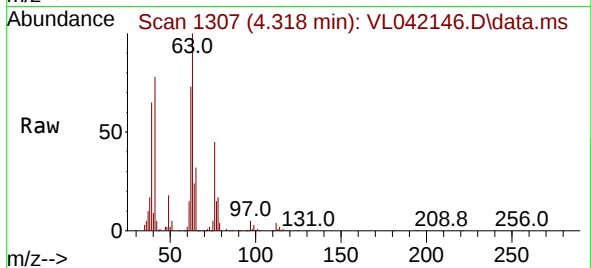
62 72.7 55.8 83.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/17/2025

Supervised By :Mahesh Dadoda 03/17/2025



#40

1,4-Dioxane

Concen: 9.469 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. -0.020 min

Lab File: VL042146.D

Acq: 14 Mar 2025 12:27

Tgt Ion: 88 Resp: 65583

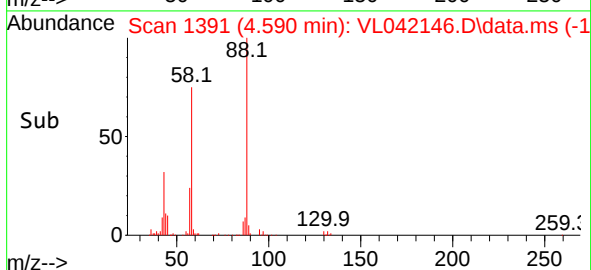
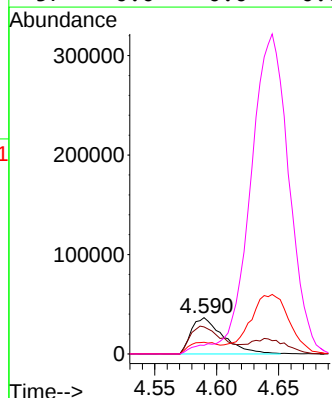
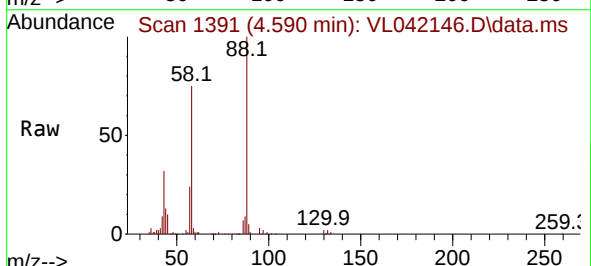
Ion Ratio Lower Upper

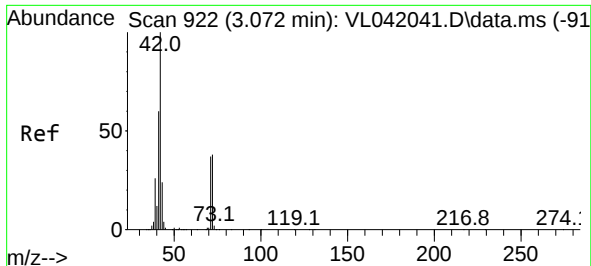
88 100

58 80.5 62.6 94.0

43 0.0 0.0 0.0

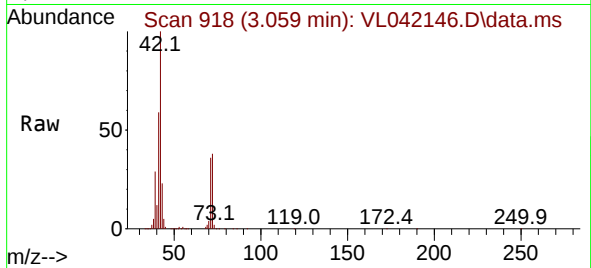
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.184 ppbv
RT: 3.059 min Scan# 918
Delta R.T. -0.013 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

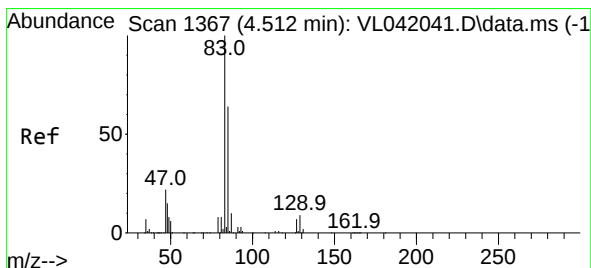
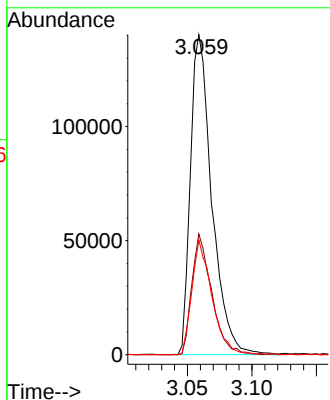
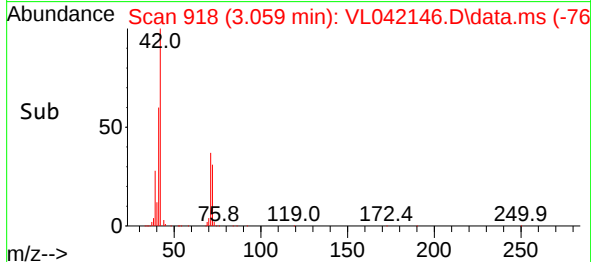
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01



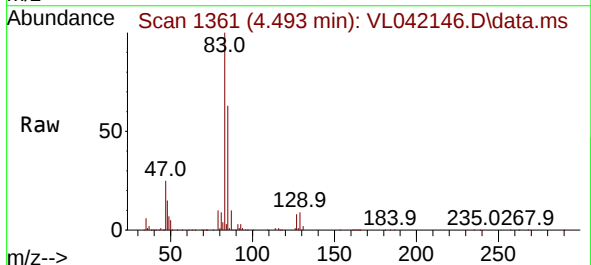
Tgt Ion: 42 Resp: 161438
Ion Ratio Lower Upper
42 100
72 35.3 30.2 45.2
71 33.8 28.2 42.4

Manual Integrations
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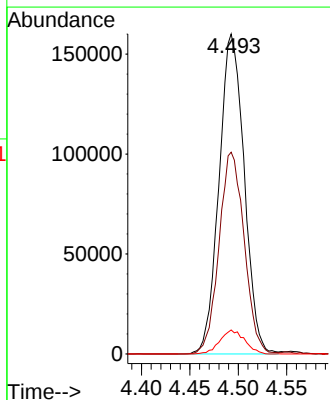
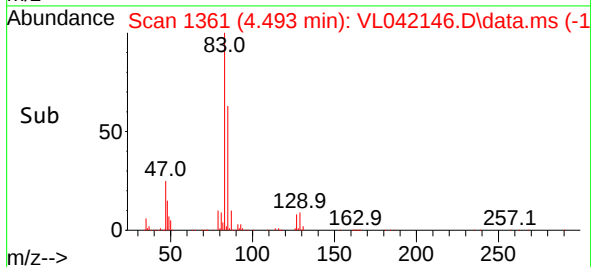
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

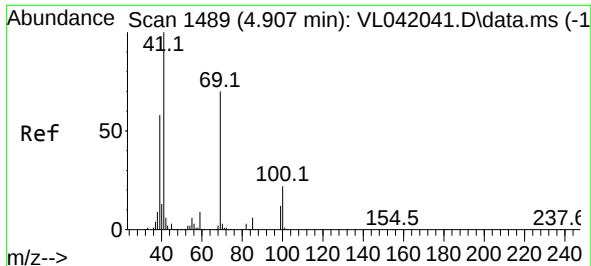


#42
Bromodichloromethane
Concen: 9.682 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.020 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27



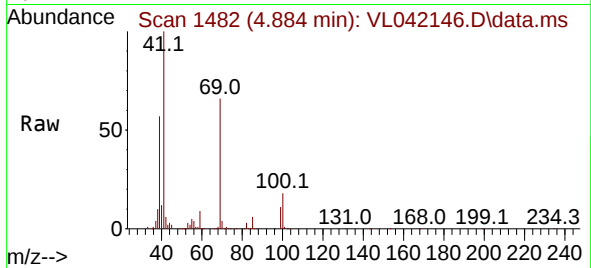
Tgt Ion: 83 Resp: 289116
Ion Ratio Lower Upper
83 100
85 63.1 51.4 77.2
127 7.5 5.8 8.6





#43
Methyl Methacrylate
Concen: 8.580 ppbv
RT: 4.884 min Scan# 1482
Delta R.T. -0.023 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

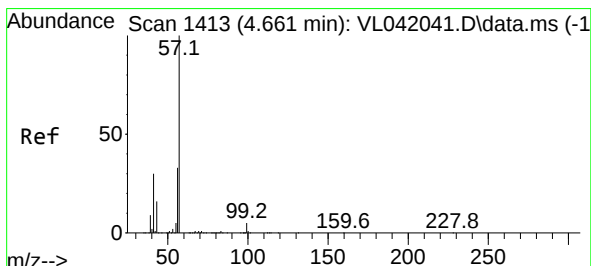
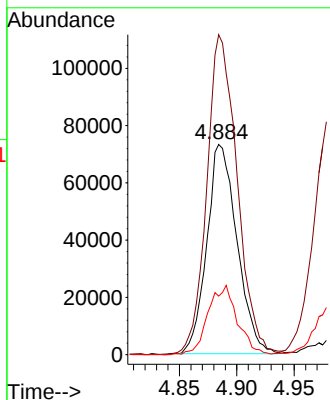
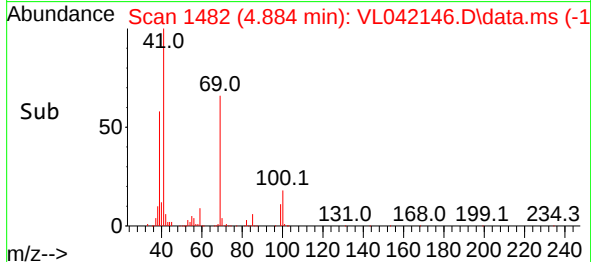
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01



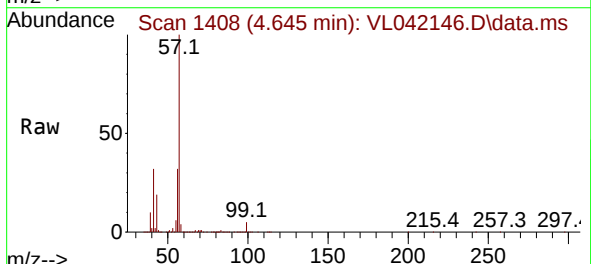
Tgt Ion: 69 Resp: 133935
Ion Ratio Lower Upper
69 100
41 154.0 118.2 177.4
100 32.1 27.0 40.4

Manual Integrations
APPROVED

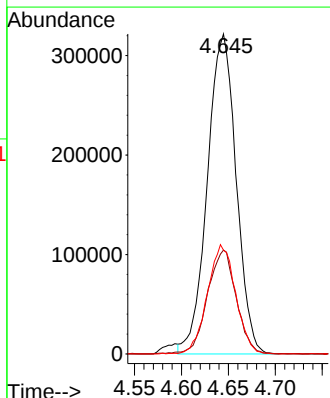
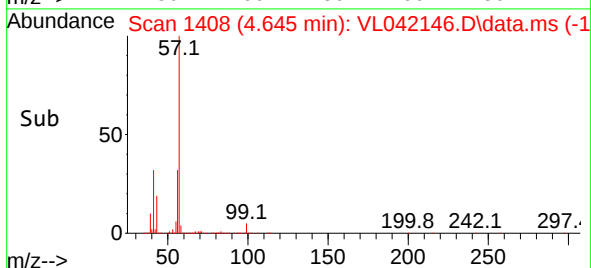
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

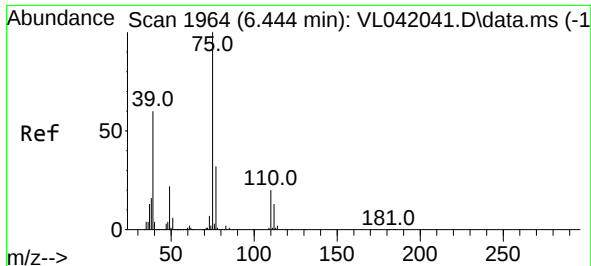


#44
2,2,4-Trimethylpentane
Concen: 9.742 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.016 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27



Tgt Ion: 57 Resp: 687261
Ion Ratio Lower Upper
57 100
41 32.5 24.4 36.6
56 33.4 26.5 39.7





#45

t-1,3-Dichloropropene

Concen: 7.880 ppbv

RT: 6.418 min Scan# 1964

Delta R.T. -0.026 min

Lab File: VL042146.D

Acq: 14 Mar 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

VL0314ABS01

Tgt Ion: 75 Resp: 12221

Ion Ratio Lower Upper

75 100

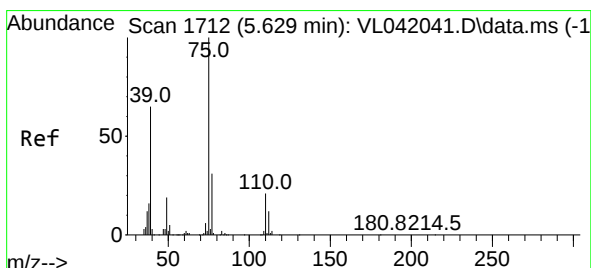
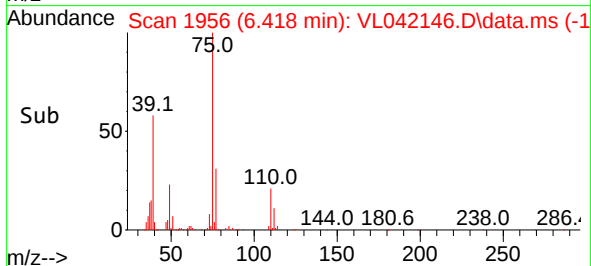
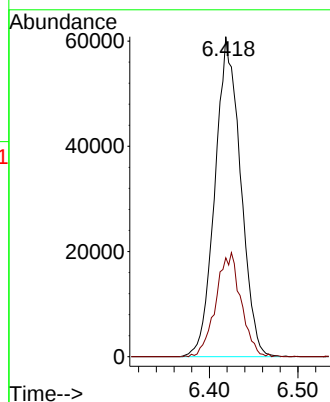
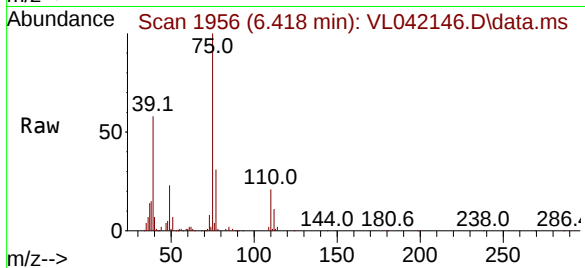
77 30.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2025

Supervised By :Mahesh Dadoda 03/17/2025



#46

cis-1,3-Dichloropropene

Concen: 8.620 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. -0.023 min

Lab File: VL042146.D

Acq: 14 Mar 2025 12:27

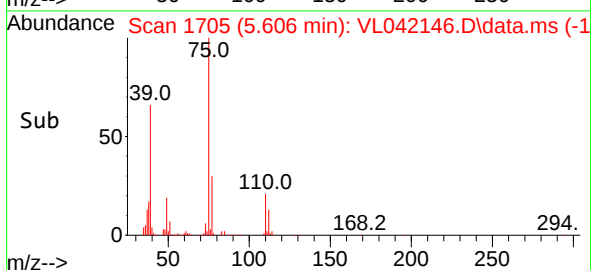
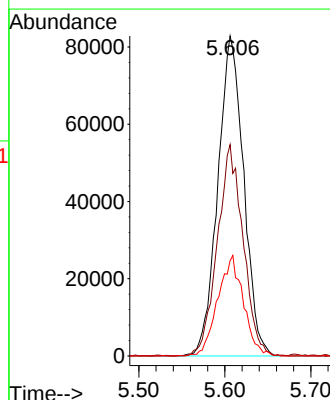
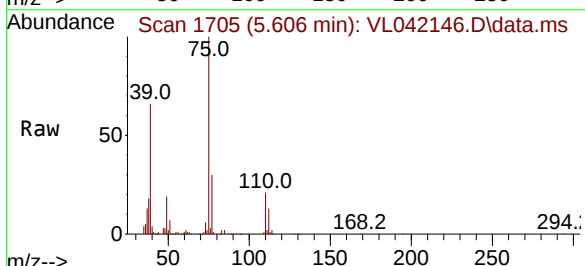
Tgt Ion: 75 Resp: 173008

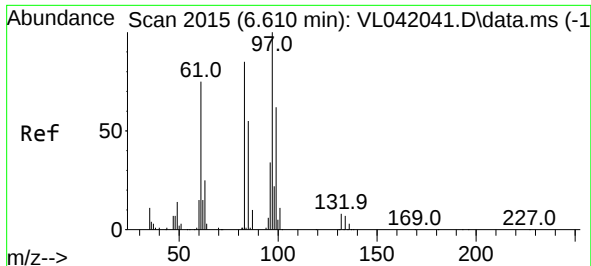
Ion Ratio Lower Upper

75 100

39 66.0 51.9 77.9

77 29.7 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 9.667 ppbv

RT: 6.590 min Scan# 2015

Delta R.T. -0.020 min

Lab File: VL042146.D

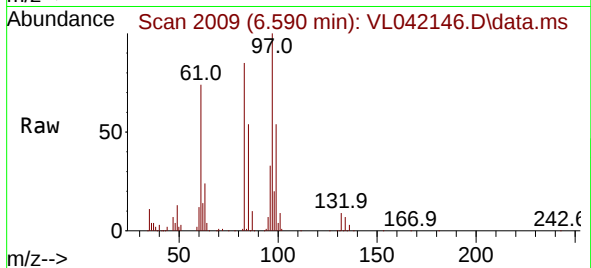
Acq: 14 Mar 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

VL0314ABS01



Tgt Ion: 97 Resp: 148902

Ion Ratio Lower Upper

97 100

83 85.0 68.1 102.1

85 53.8 44.0 66.0

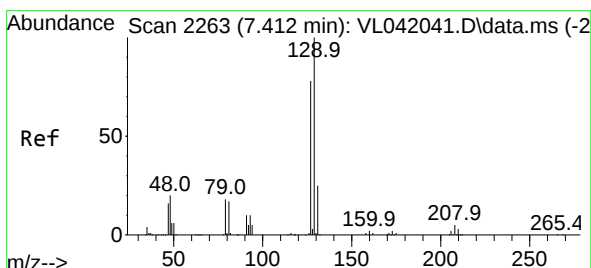
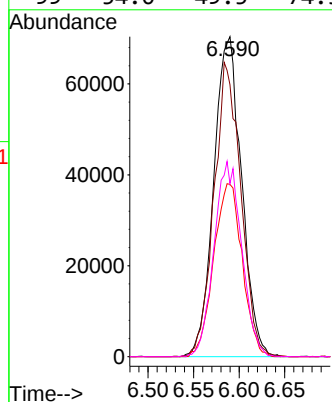
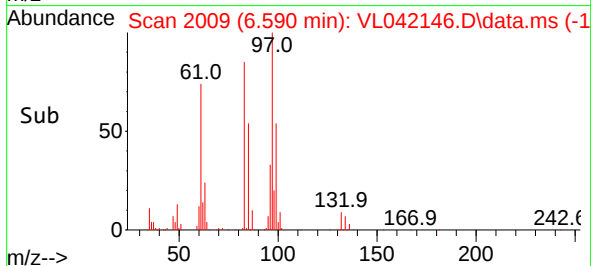
99 54.0 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2025

Supervised By :Mahesh Dadoda 03/17/2025



#48

Dibromochloromethane

Concen: 9.569 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. -0.020 min

Lab File: VL042146.D

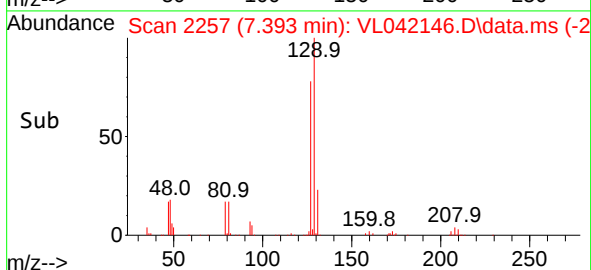
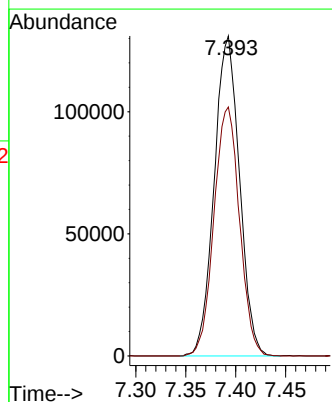
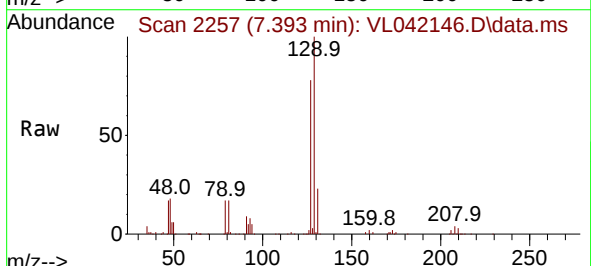
Acq: 14 Mar 2025 12:27

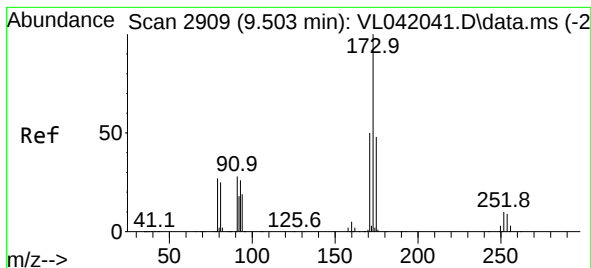
Tgt Ion:129 Resp: 230834

Ion Ratio Lower Upper

129 100

127 78.5 38.6 115.8





#49

Bromoform

Concen: 9.928 ppbv

RT: 9.487 min Scan# 2909

Delta R.T. -0.016 min

Lab File: VL042146.D

Acq: 14 Mar 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

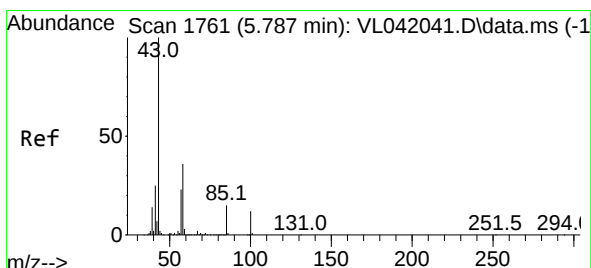
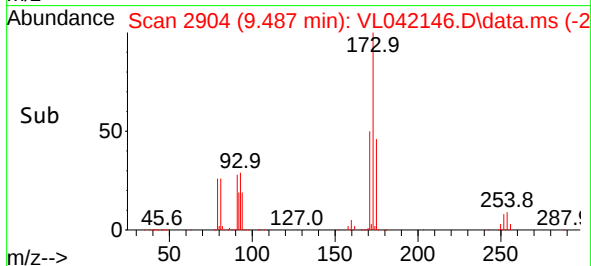
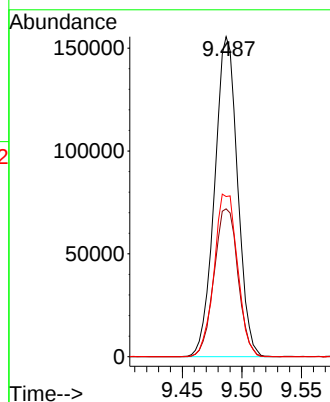
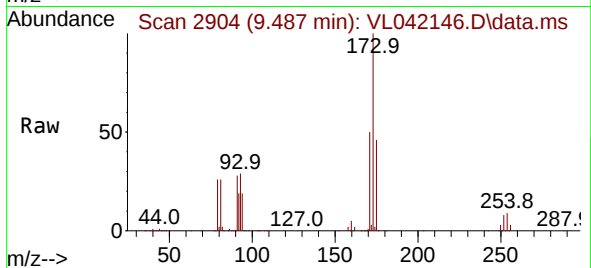
VL0314ABS01

Tgt Ion:173 Resp: 207997
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.3 57.5
 171 52.0 40.2 60.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2025
 Supervised By :Mahesh Dadoda 03/17/2025



#50

4-Methyl-2-Pentanone

Concen: 10.100 ppbv

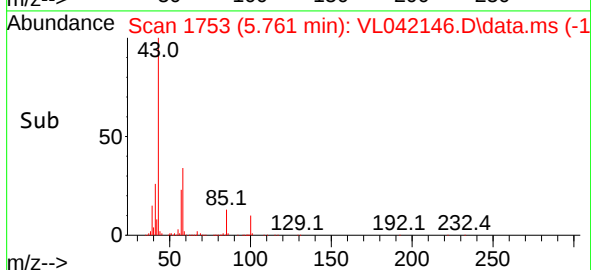
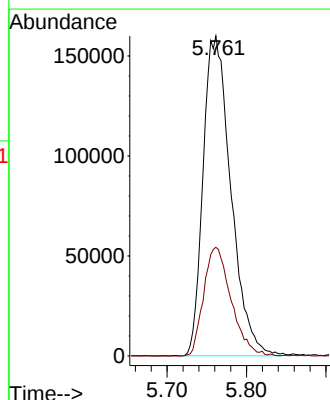
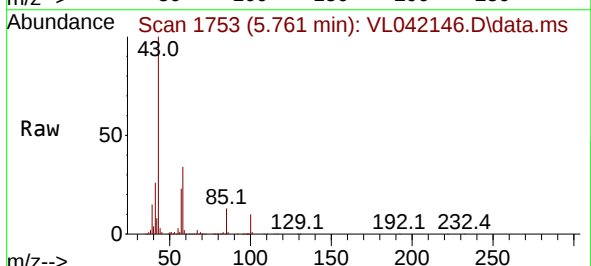
RT: 5.761 min Scan# 1753

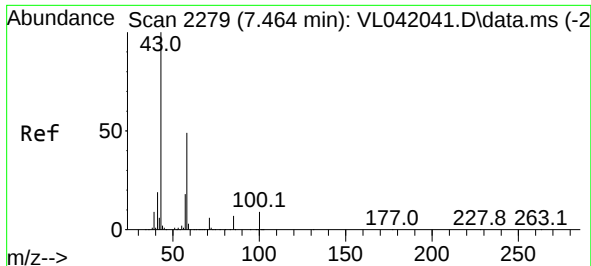
Delta R.T. -0.026 min

Lab File: VL042146.D

Acq: 14 Mar 2025 12:27

Tgt Ion: 43 Resp: 388572
 Ion Ratio Lower Upper
 43 100
 58 33.8 29.3 43.9





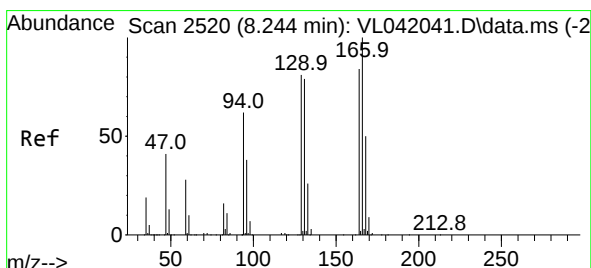
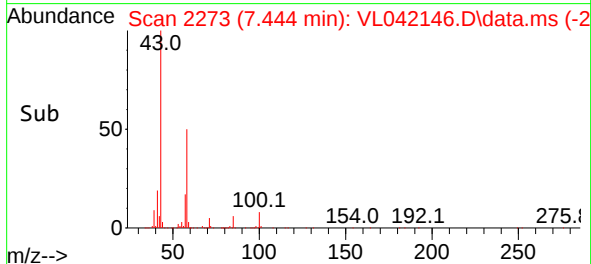
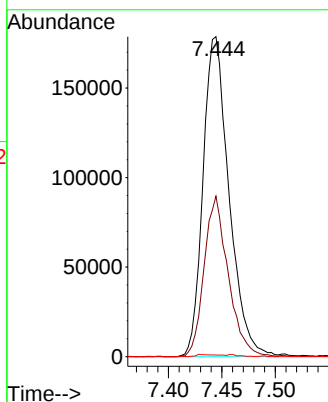
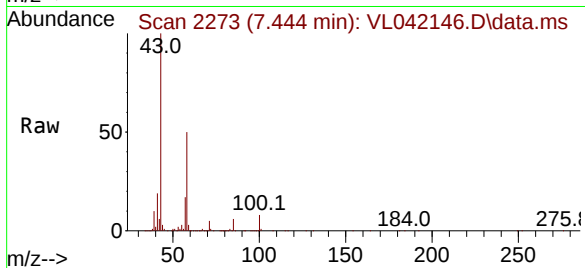
#51
2-Hexanone
Concen: 11.438 ppbv
RT: 7.444 min Scan# 2115
Delta R.T. -0.020 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01

Tgt Ion: 43 Resp: 30287
Ion Ratio Lower Upper
43 100
58 46.7 39.0 58.6
98 1.0 0.1 0.1

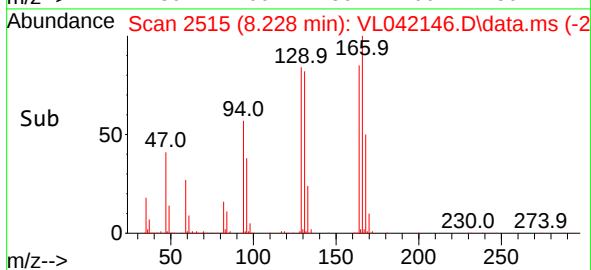
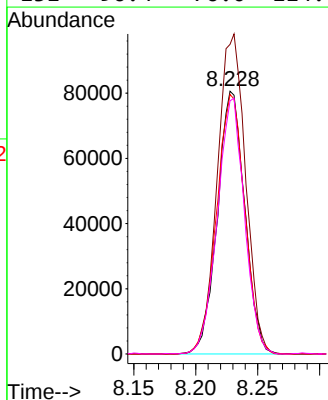
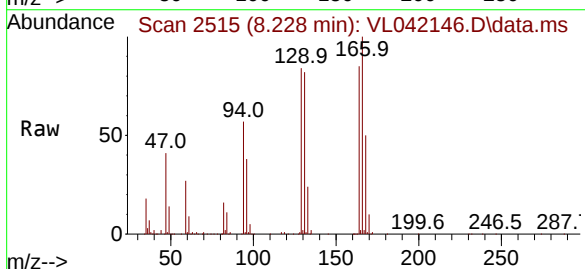
Manual Integrations
APPROVED

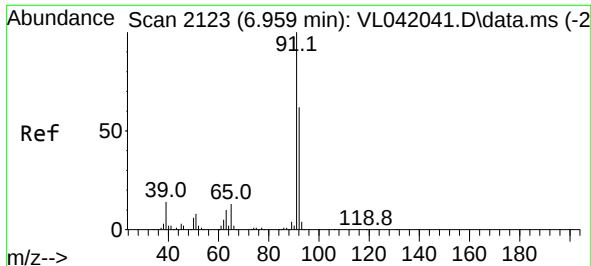
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025



#52
Tetrachloroethene
Concen: 9.056 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. -0.016 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

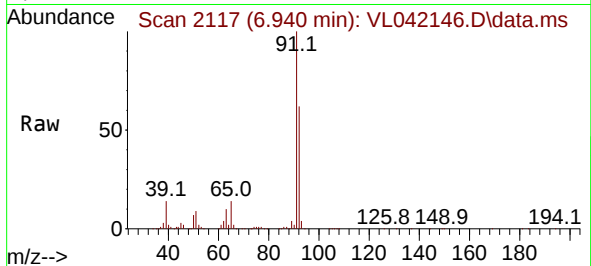
Tgt Ion:164 Resp: 123920
Ion Ratio Lower Upper
164 100
166 117.8 95.7 143.5
129 98.8 77.1 115.7
131 96.4 76.0 114.0





#53
Toluene
Concen: 8.789 ppbv
RT: 6.940 min Scan# 2123
Delta R.T. -0.020 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

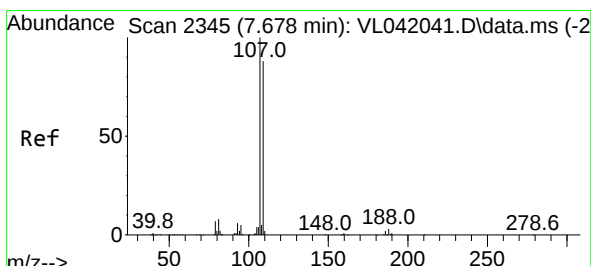
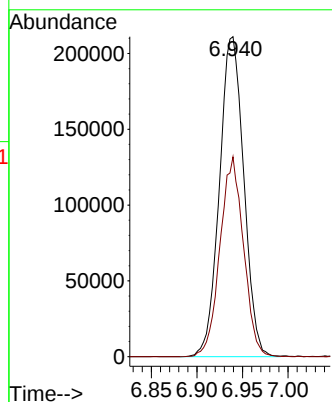
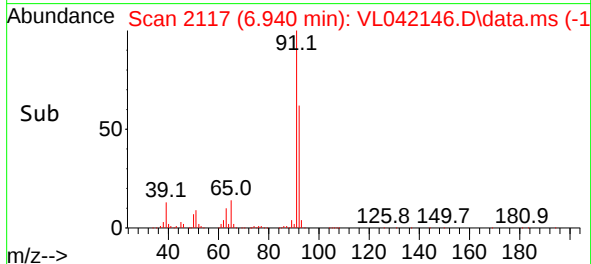
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01



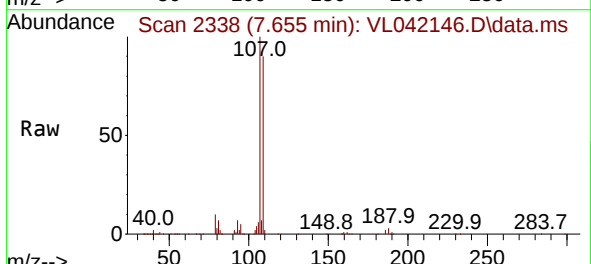
Tgt Ion: 91 Resp: 39263
Ion Ratio Lower Upper
91 100
92 60.1 49.0 73.6

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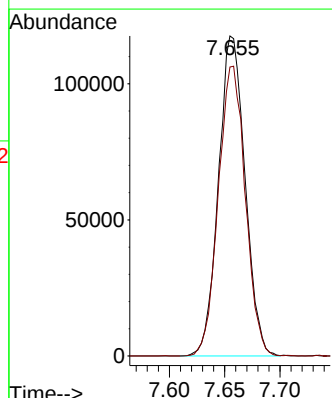
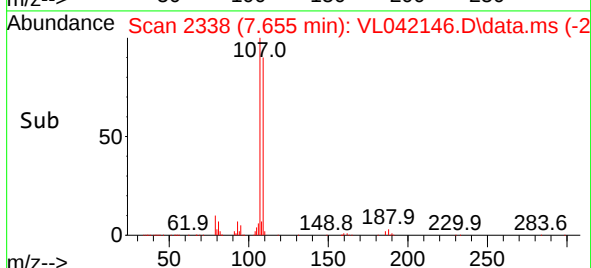
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

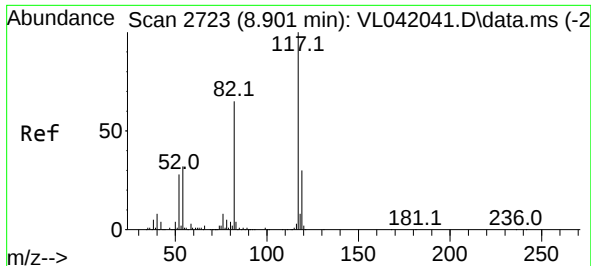


#54
1,2-Dibromoethane
Concen: 9.427 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.023 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27



Tgt Ion:107 Resp: 196312
Ion Ratio Lower Upper
107 100
109 90.3 70.2 105.4





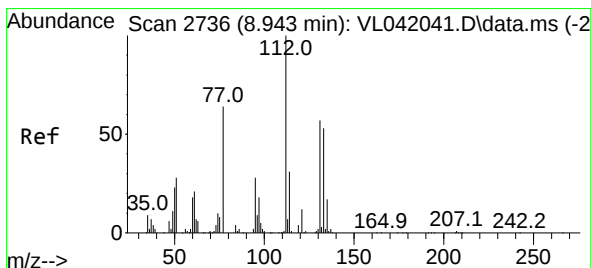
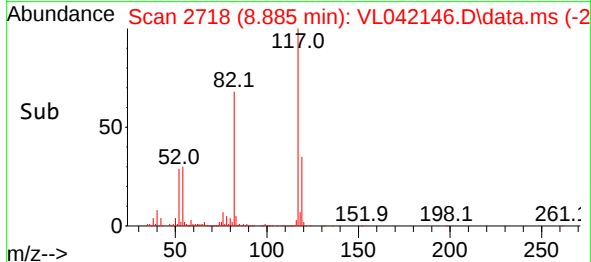
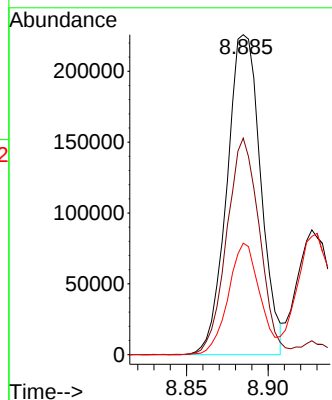
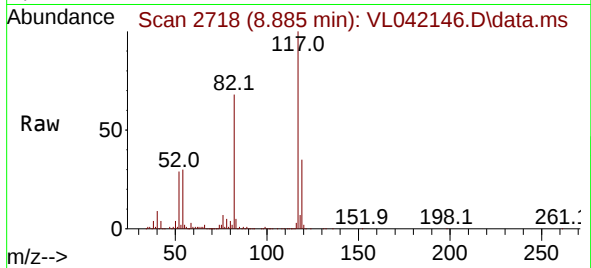
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2178
Delta R.T. -0.016 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01

Tgt Ion:117 Resp: 325780
Ion Ratio Lower Upper
117 100
82 69.3 55.0 82.6
119 32.3 25.9 38.9

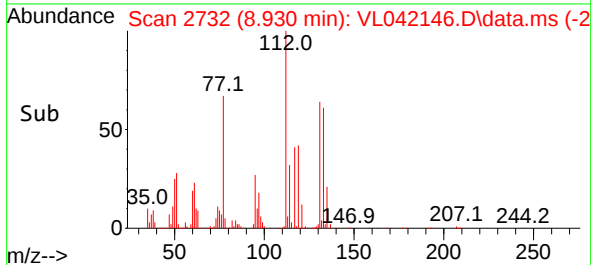
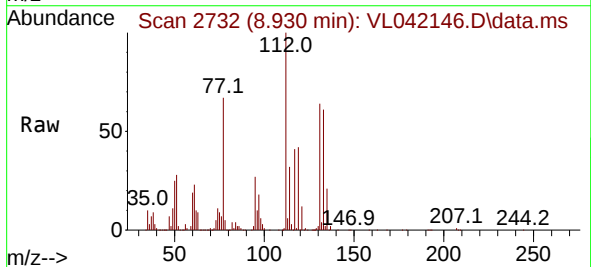
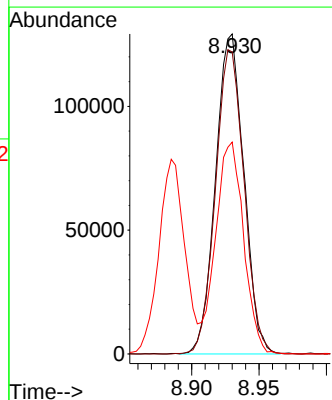
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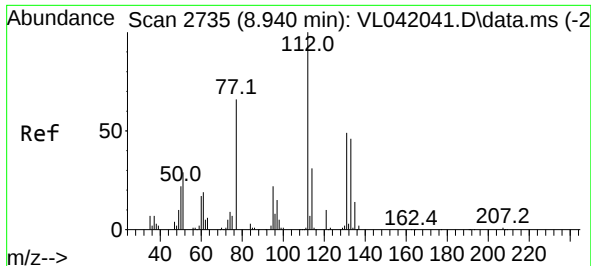
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 10.258 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. -0.013 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

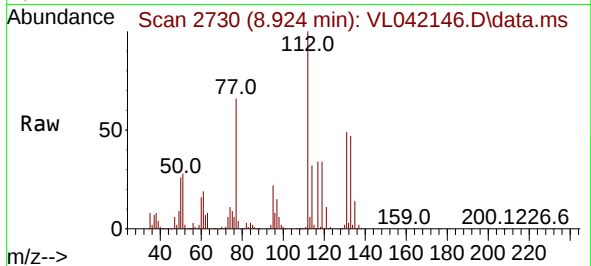
Tgt Ion:131 Resp: 188895
Ion Ratio Lower Upper
131 100
133 96.1 75.8 113.8
119 66.0 52.1 78.1





#57
Chlorobenzene
Concen: 9.927 ppbv
RT: 8.924 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

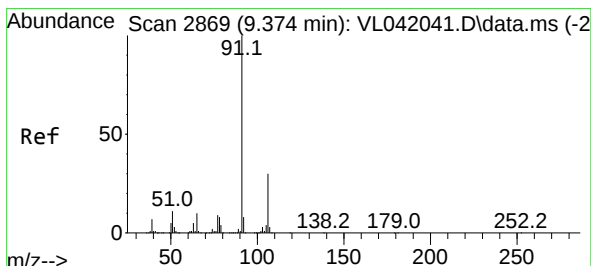
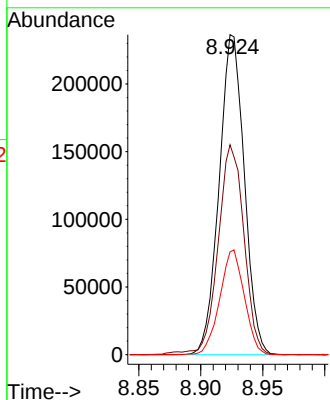
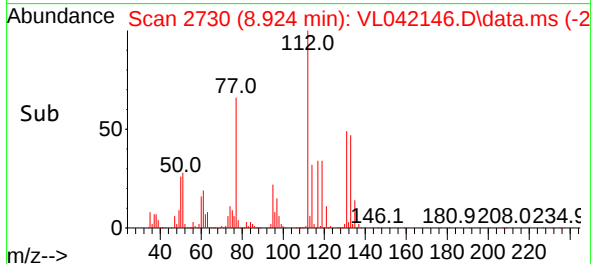
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01



Tgt Ion: 112 Resp: 335300
Ion Ratio Lower Upper
112 100
77 65.5 53.4 80.2
114 32.1 28.3 34.5

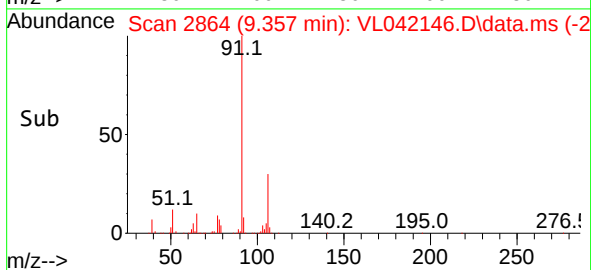
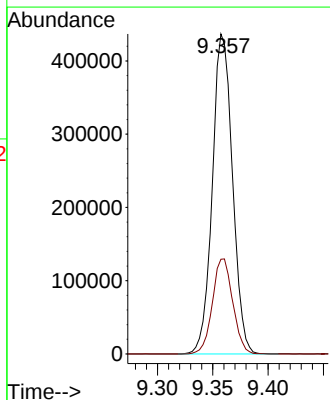
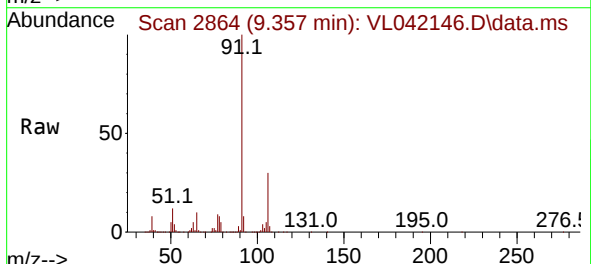
Manual Integrations
APPROVED

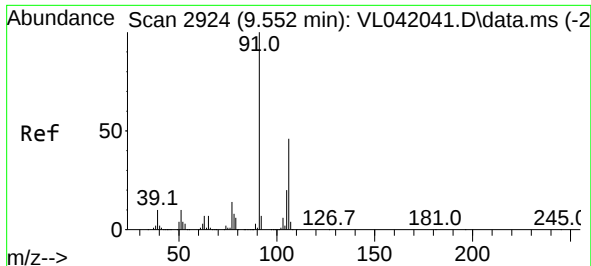
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025



#58
Ethyl Benzene
Concen: 9.220 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.016 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Tgt Ion: 91 Resp: 553145
Ion Ratio Lower Upper
91 100
106 29.6 24.2 36.2





#59

m/p-Xylene

Concen: 19.646 ppbv m

RT: 9.555 min Scan# 2924

Delta R.T. 0.003 min

Lab File: VL042146.D

Acq: 14 Mar 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

VL0314ABS01

Tgt Ion: 91 Resp: 93802

Ion Ratio Lower Upper

91 100

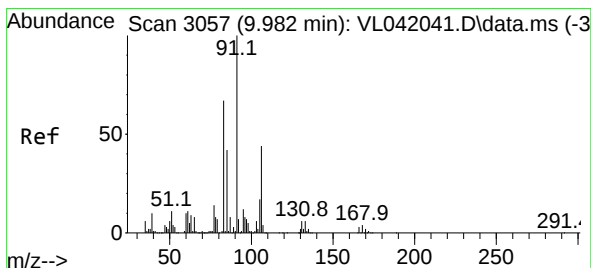
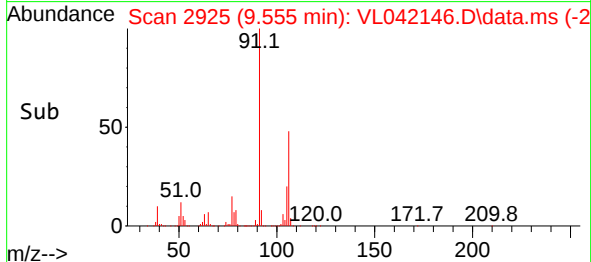
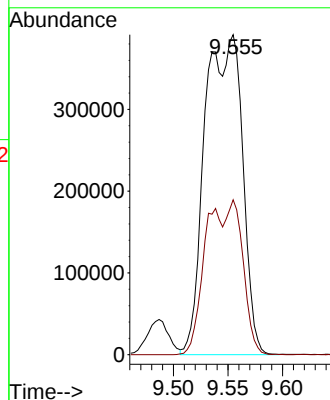
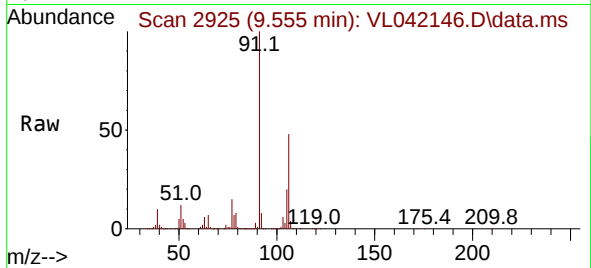
106 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2025

Supervised By :Mahesh Dadoda 03/17/2025



#60

o-Xylene

Concen: 9.849 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.016 min

Lab File: VL042146.D

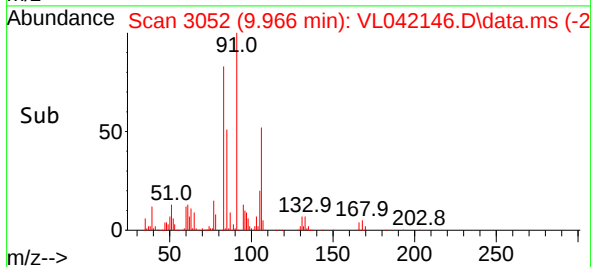
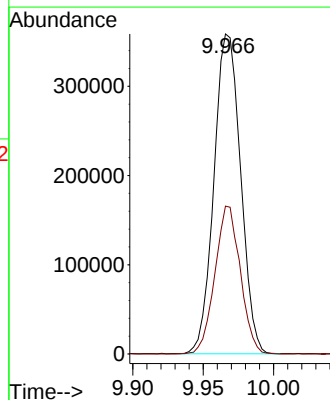
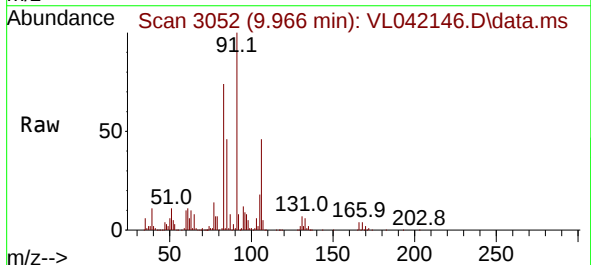
Acq: 14 Mar 2025 12:27

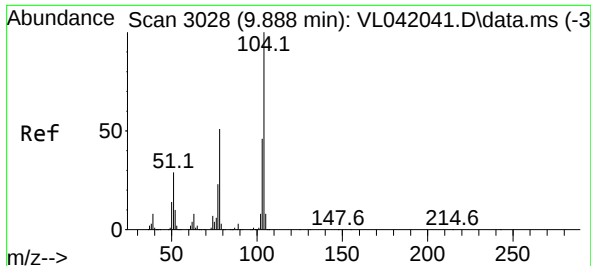
Tgt Ion: 91 Resp: 472738

Ion Ratio Lower Upper

91 100

106 44.0 22.3 66.8





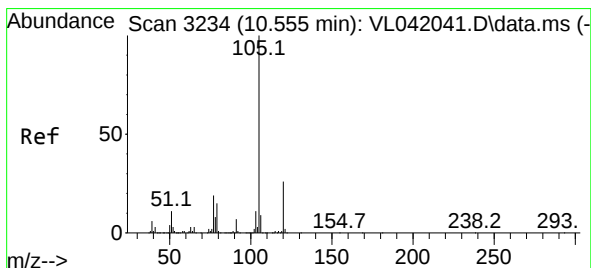
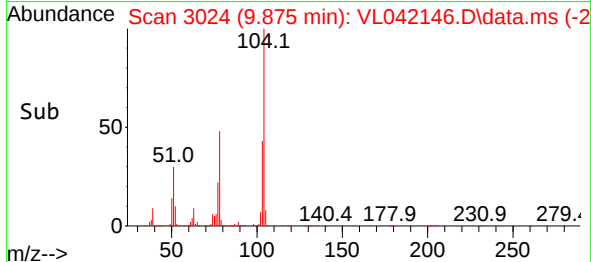
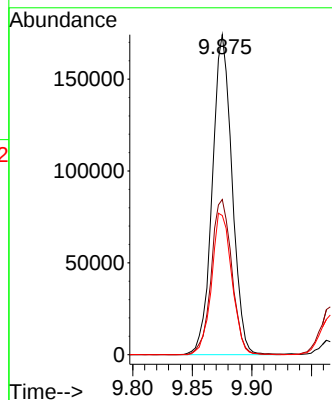
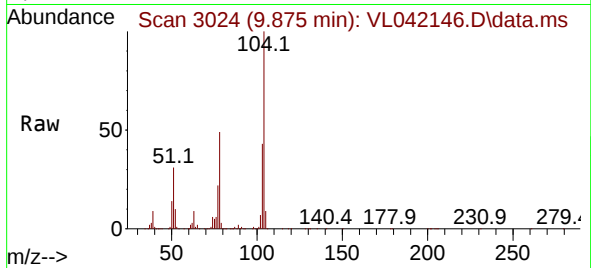
#61
Styrene
Concen: 8.888 ppbv
RT: 9.875 min Scan# 3028
Delta R.T. -0.013 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Instrument : MSVOA_L
ClientSampleId : VL0314ABS01

Tgt Ion:104 Resp: 200572
Ion Ratio Lower Upper
104 100
78 50.6 41.0 61.4
103 45.4 37.0 55.6

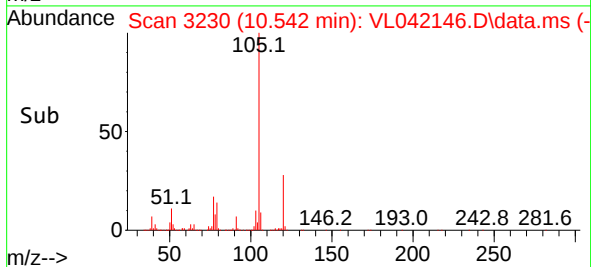
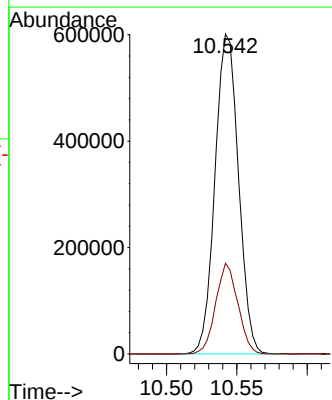
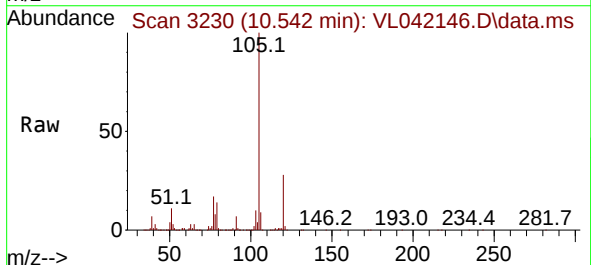
Manual Integrations
APPROVED

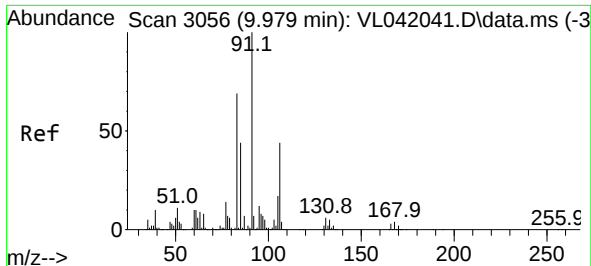
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025



#62
Isopropylbenzene
Concen: 9.720 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.013 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

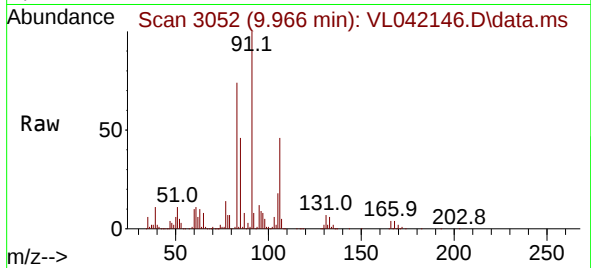
Tgt Ion:105 Resp: 698706
Ion Ratio Lower Upper
105 100
120 26.7 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 10.599 ppbv
RT: 9.966 min Scan# 3056
Delta R.T. -0.013 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

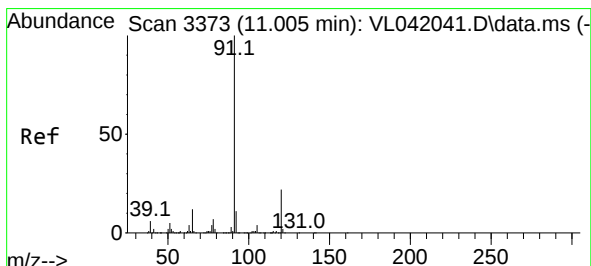
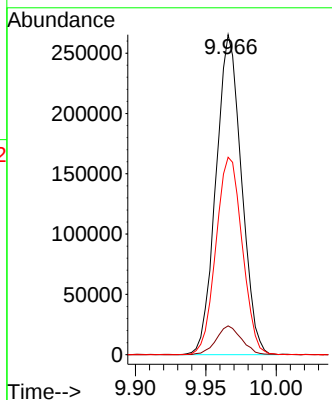
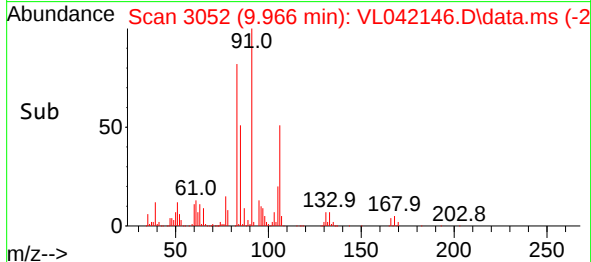
Instrument : MSVOA_L
ClientSampleId : VL0314ABS01



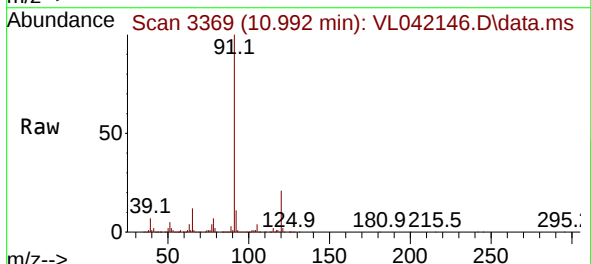
Tgt Ion: 83 Resp: 33505
Ion Ratio Lower Upper
83 100
131 9.2 4.5 13.7
85 63.6 32.1 96.3

Manual Integrations
APPROVED

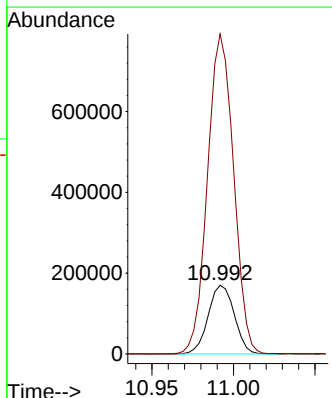
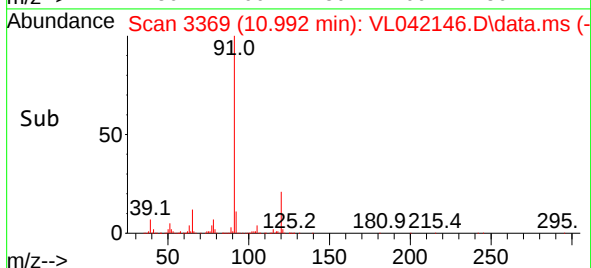
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

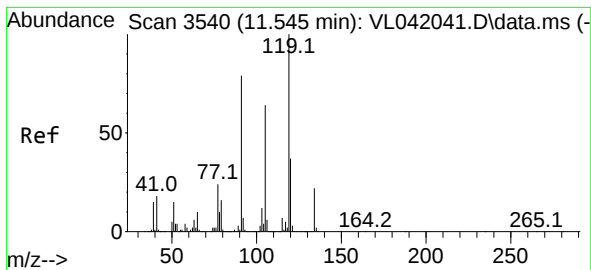


#64
n-propylbenzene
Concen: 10.032 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.013 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27



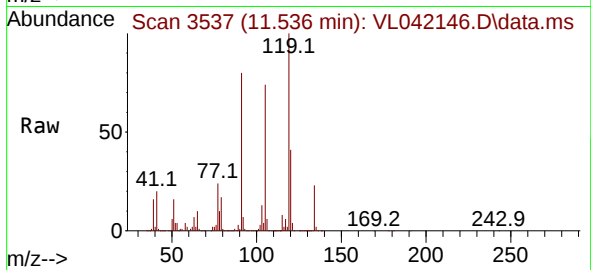
Tgt Ion:120 Resp: 189167
Ion Ratio Lower Upper
120 100
91 465.6 370.6 556.0





#65
tert-Butylbenzene
Concen: 9.861 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.010 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

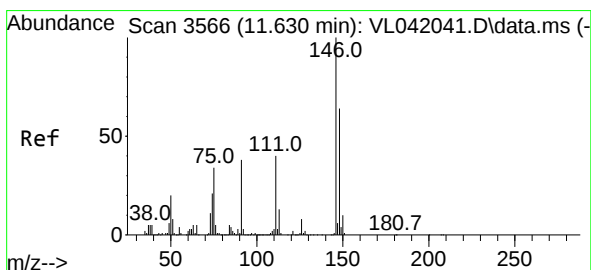
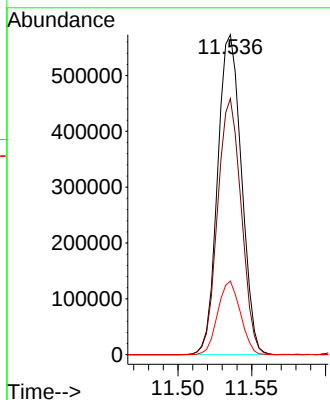
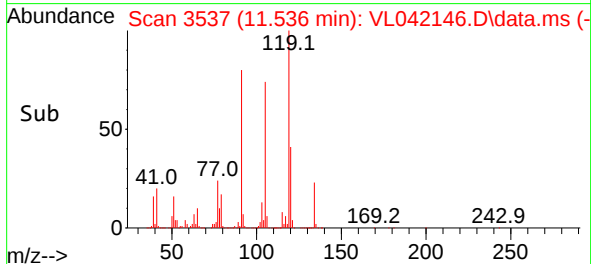
Instrument : MSVOA_L
ClientSampleId : VL0314ABS01



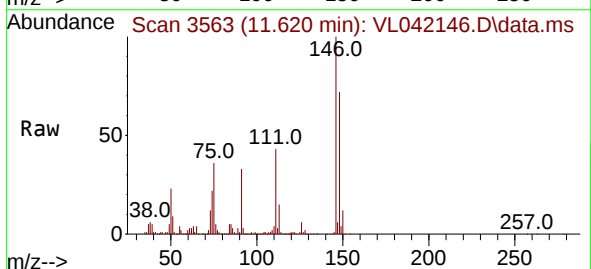
Tgt Ion: 119 Resp: 64516
Ion Ratio Lower Upper
119 100
91 79.5 64.2 96.2
134 21.8 17.4 26.2

Manual Integrations
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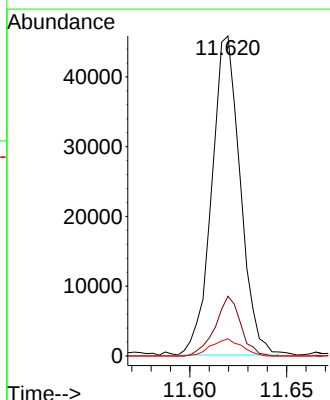
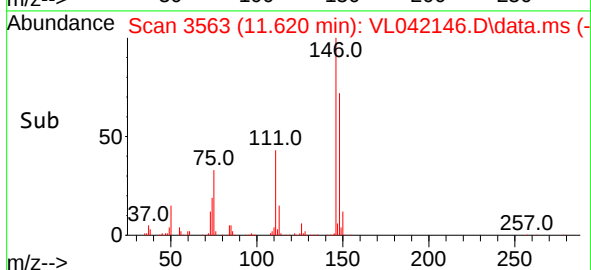
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

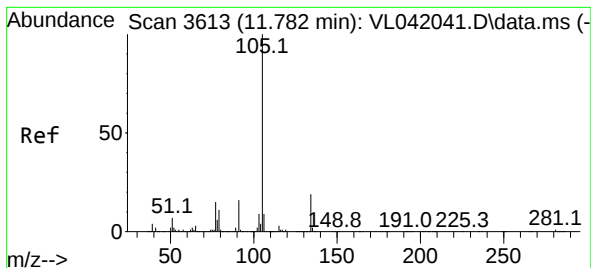


#66
Benzyl Chloride
Concen: 9.382 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.010 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27



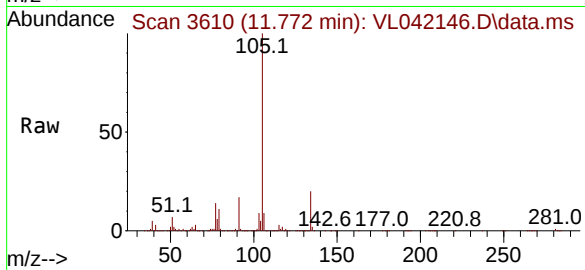
Tgt Ion: 91 Resp: 46836
Ion Ratio Lower Upper
91 100
126 16.7 14.5 21.7
128 5.7 5.4 8.2





#67
 sec-Butylbenzene
 Concen: 9.940 ppbv
 RT: 11.772 min Scan# 30
 Delta R.T. -0.010 min
 Lab File: VL042146.D
 Acq: 14 Mar 2025 12:27

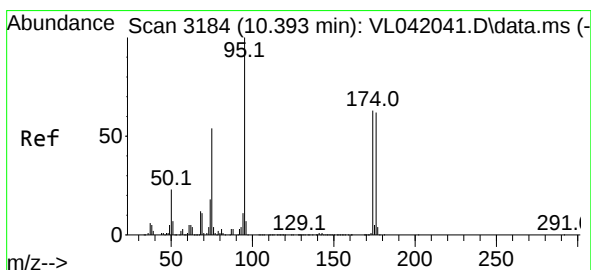
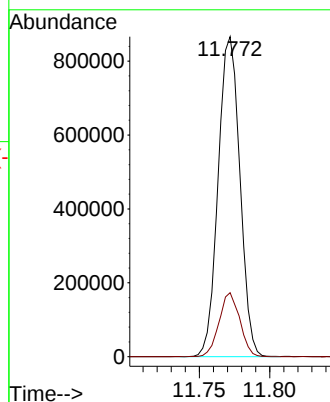
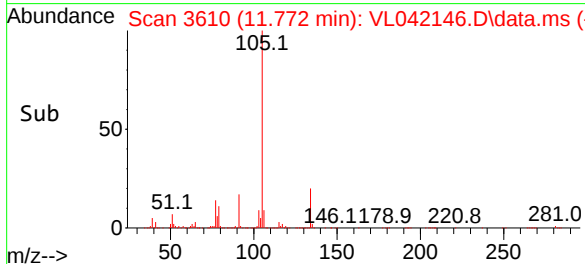
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0314ABS01



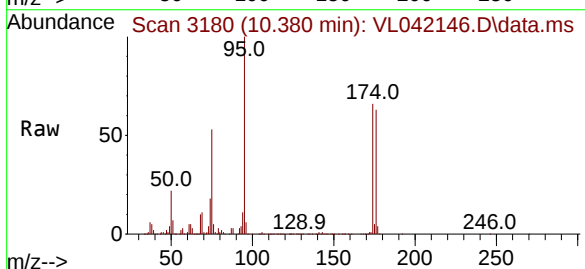
Tgt Ion: 105 Resp: 93007
 Ion Ratio Lower Upper
 105 100
 134 19.1 14.9 22.3

Manual Integrations
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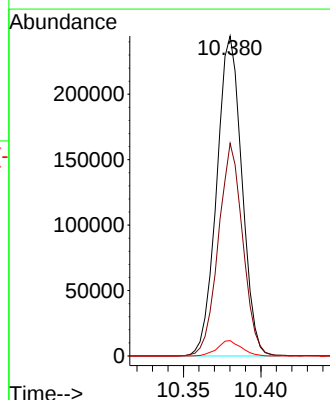
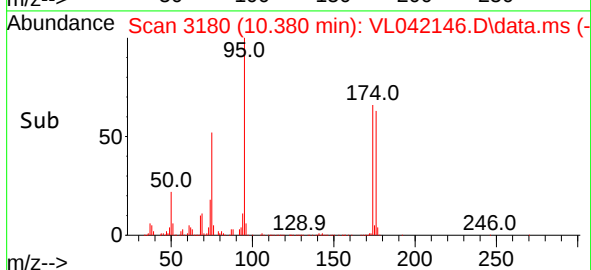
Reviewed By :Semsettin Yesilyurt 03/17/2025
 Supervised By :Mahesh Dadoda 03/17/2025

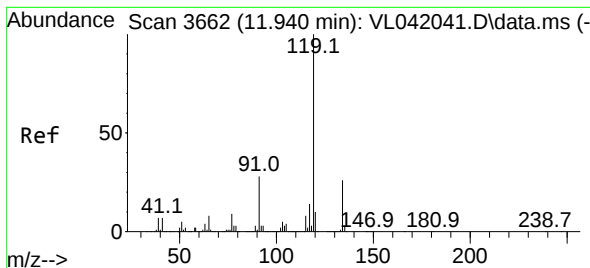


#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.028 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.013 min
 Lab File: VL042146.D
 Acq: 14 Mar 2025 12:27



Tgt Ion: 95 Resp: 276407
 Ion Ratio Lower Upper
 95 100
 174 64.8 51.8 77.6
 175 4.6 3.9 5.9





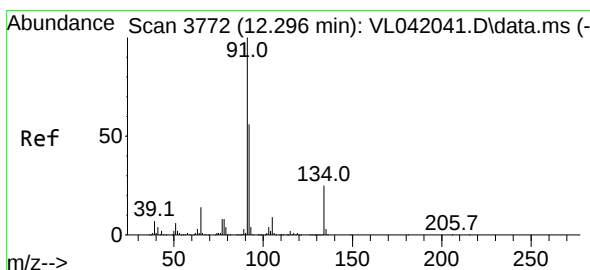
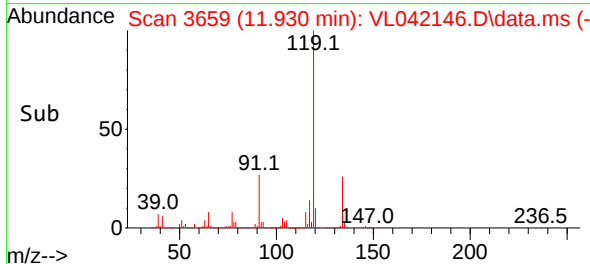
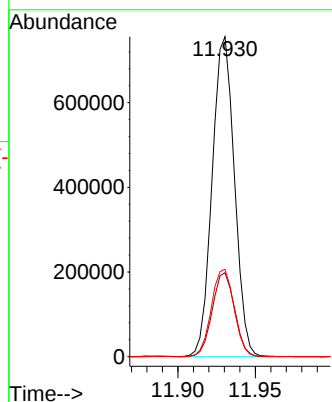
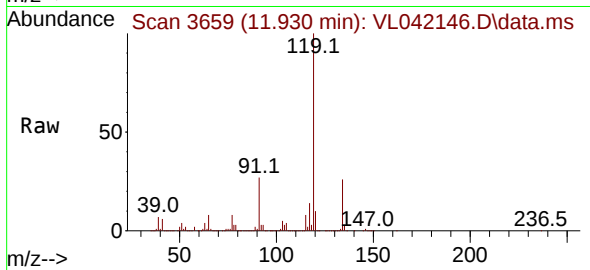
#69
p-Isopropyltoluene
Concen: 10.147 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. -0.010 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01

Tgt Ion:119 Resp: 755360
Ion Ratio Lower Upper
119 100
134 26.4 20.9 31.3
91 27.9 23.1 34.7

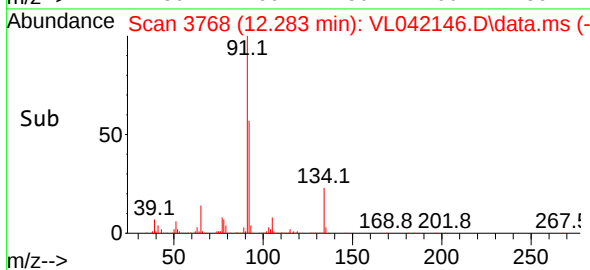
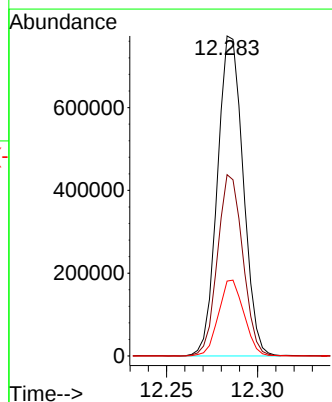
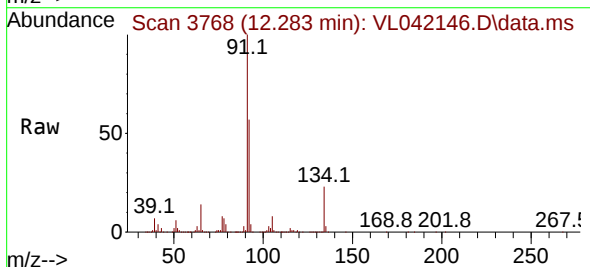
Manual Integrations
APPROVED

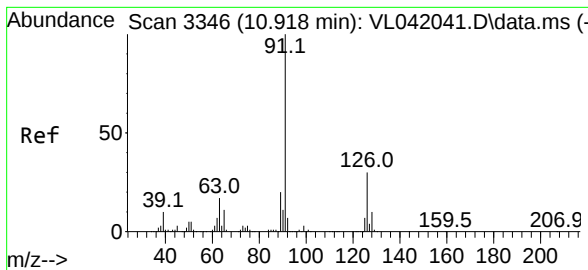
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025



#70
n-Butylbenzene
Concen: 10.007 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.013 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Tgt Ion: 91 Resp: 760425
Ion Ratio Lower Upper
91 100
92 55.8 44.7 67.1
134 23.4 18.9 28.3





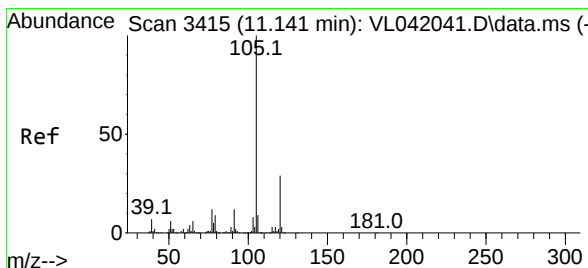
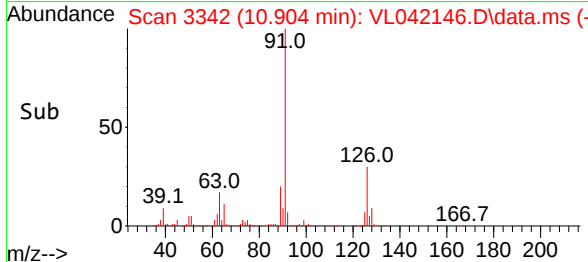
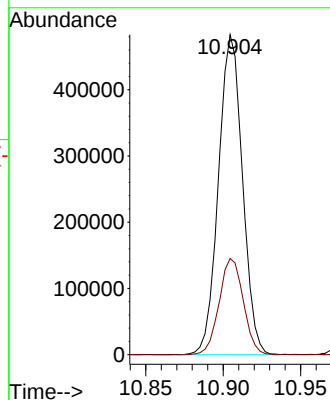
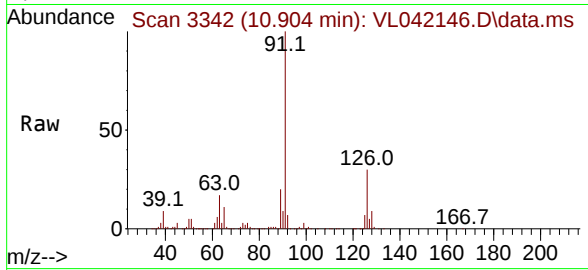
#71
2-Chlorotoluene
Concen: 9.378 ppbv
RT: 10.904 min Scan# 311
Delta R.T. -0.013 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01

Tgt Ion: 91 Resp: 519669
Ion Ratio Lower Upper
91 100
126 30.3 11.9 47.5

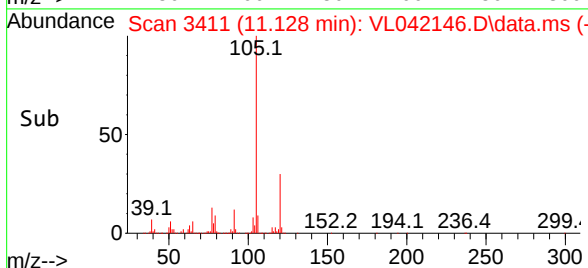
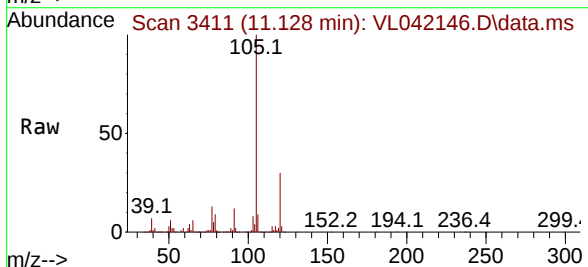
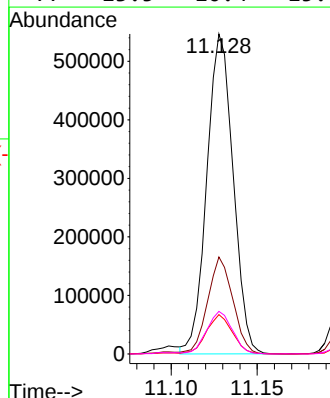
Manual Integrations
APPROVED

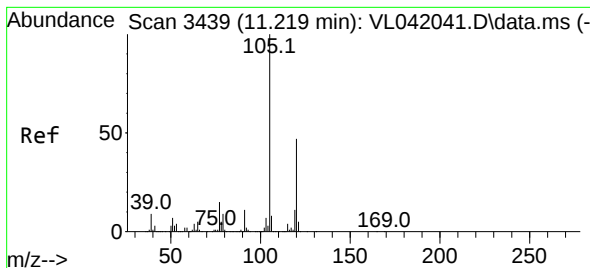
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025



#72
4-Ethyltoluene
Concen: 9.904 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.013 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Tgt Ion:105 Resp: 580446
Ion Ratio Lower Upper
105 100
120 29.7 24.1 36.1
91 12.3 10.2 15.4
77 13.5 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 9.623 ppbv

RT: 11.209 min Scan# 3439

Delta R.T. -0.010 min

Lab File: VL042146.D

Acq: 14 Mar 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

VL0314ABS01

Tgt Ion:105 Resp: 48917

Ion Ratio Lower Upper

105 100

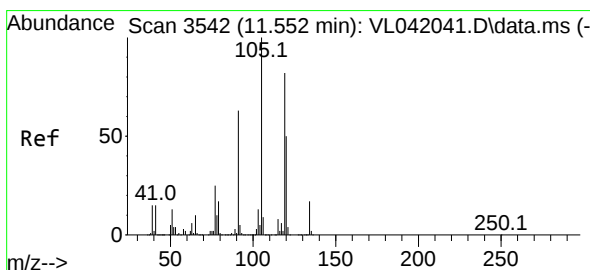
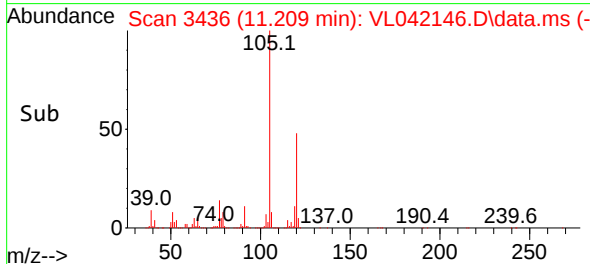
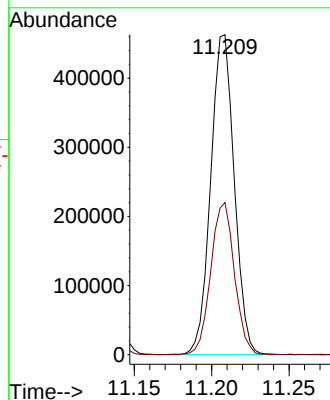
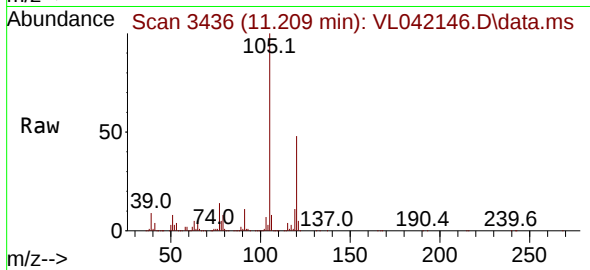
120 47.5 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2025

Supervised By :Mahesh Dadoda 03/17/2025



#74

1,2,4-Trimethylbenzene

Concen: 9.751 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. -0.010 min

Lab File: VL042146.D

Acq: 14 Mar 2025 12:27

Tgt Ion:105 Resp: 558174

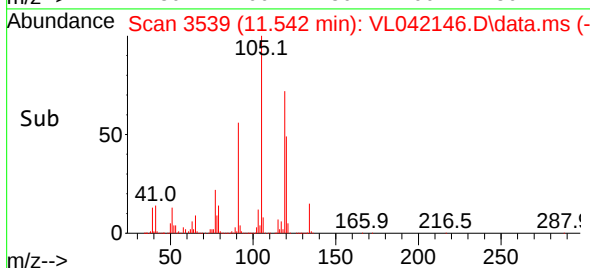
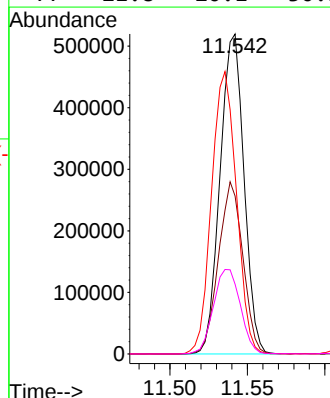
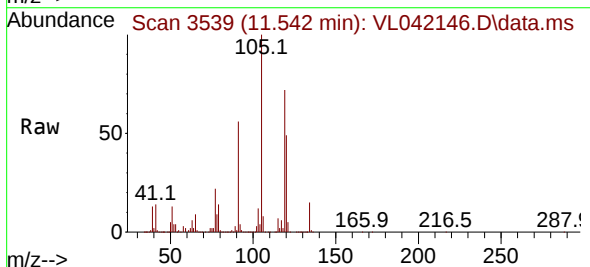
Ion Ratio Lower Upper

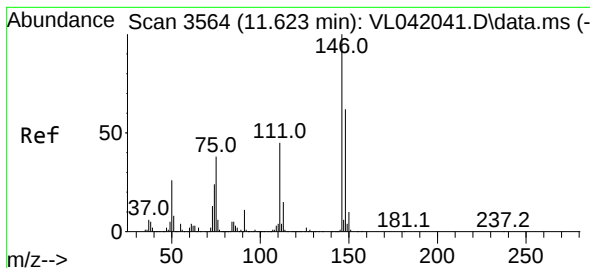
105 100

120 49.3 40.2 60.2

91 56.3 51.4 77.2

77 21.8 20.1 30.1





#75

1,3-Dichlorobenzene

Concen: 10.011 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.013 min

Lab File: VL042146.D

Acq: 14 Mar 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

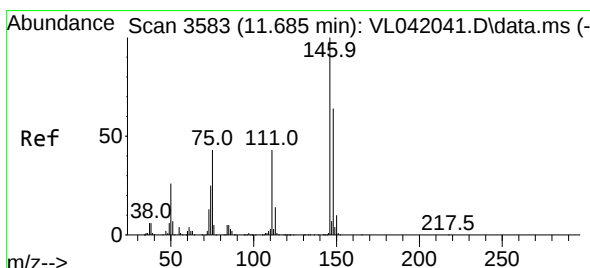
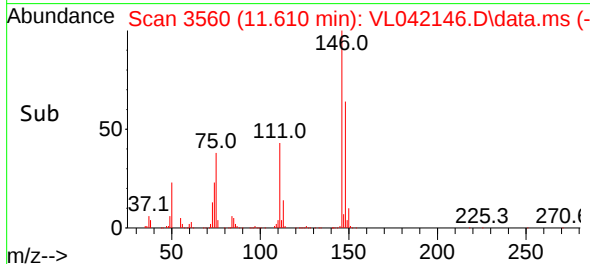
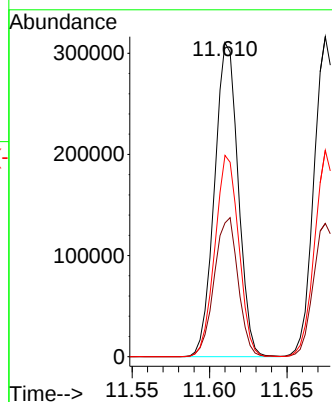
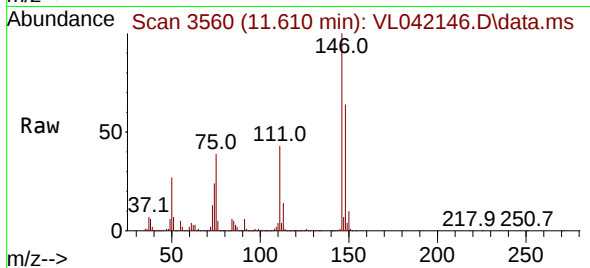
VL0314ABS01

Tgt Ion:146	Resp:	32980
Ion Ratio	Lower	Upper
146	100	
111	44.8	22.4 67.2
148	64.4	32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025



#76

1,4-Dichlorobenzene

Concen: 10.026 ppbv

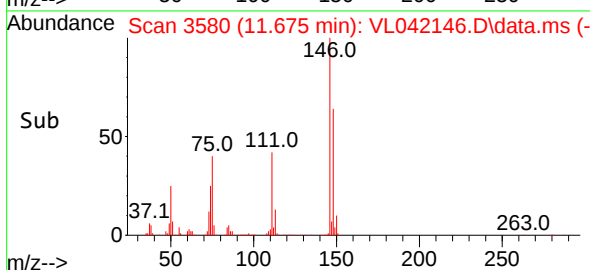
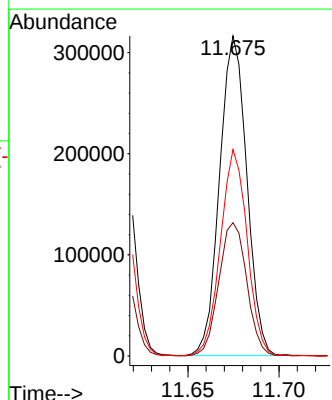
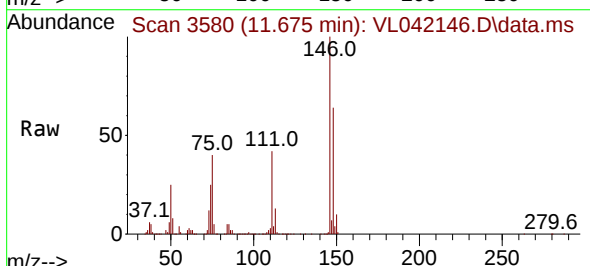
RT: 11.675 min Scan# 3580

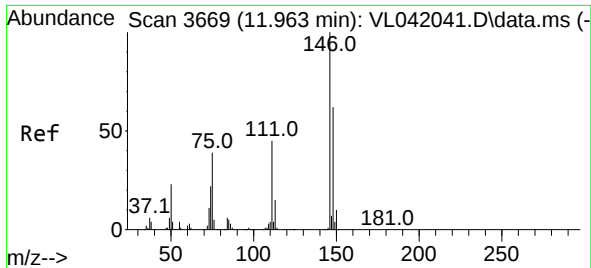
Delta R.T. -0.010 min

Lab File: VL042146.D

Acq: 14 Mar 2025 12:27

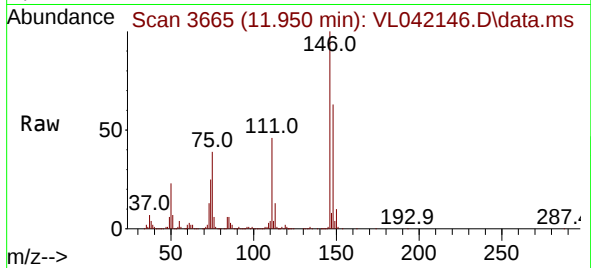
Tgt Ion:146	Resp:	327949
Ion Ratio	Lower	Upper
146	100	
111	43.0	21.5 64.5
148	63.7	31.6 95.0





#77
1,2-Dichlorobenzene
Concen: 10.314 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. -0.013 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

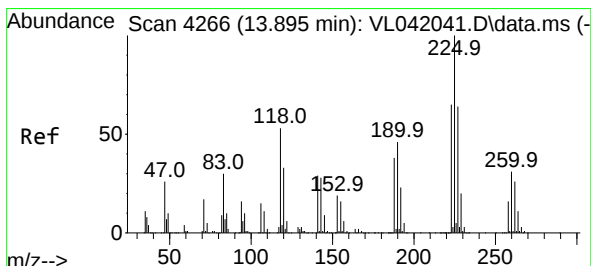
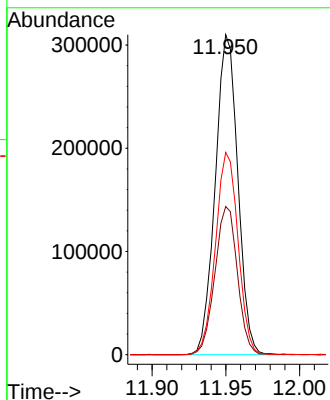
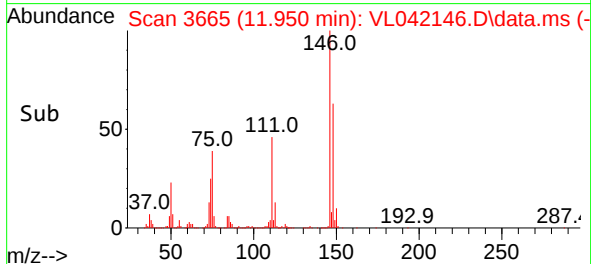
Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01



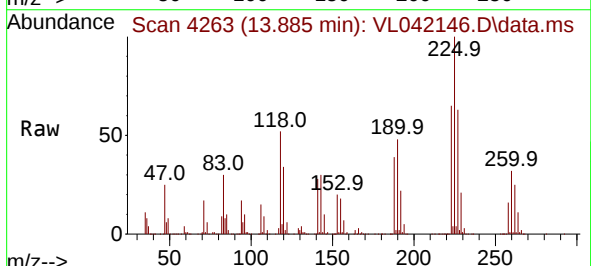
Tgt Ion:146 Resp: 329758
Ion Ratio Lower Upper
146 100
111 46.4 23.2 69.6
148 63.4 31.4 94.2

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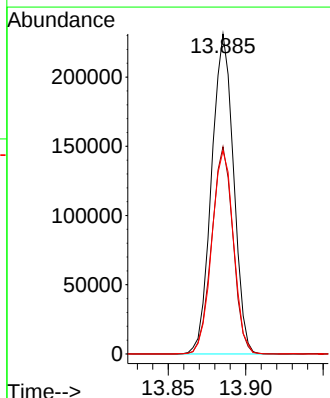
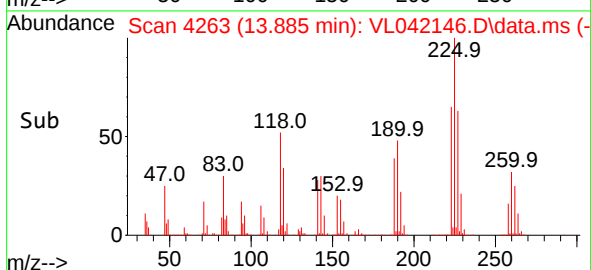
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

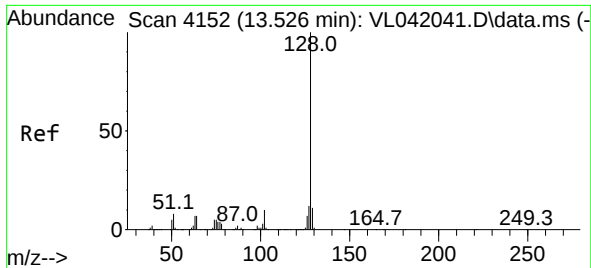


#78
Hexachloro-1,3-Butadiene
Concen: 9.152 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. -0.010 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27



Tgt Ion:225 Resp: 227664
Ion Ratio Lower Upper
225 100
223 62.8 50.2 75.2
227 62.8 50.8 76.2





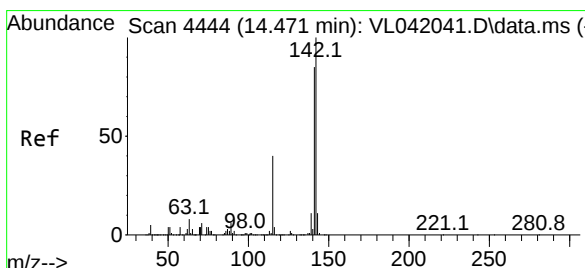
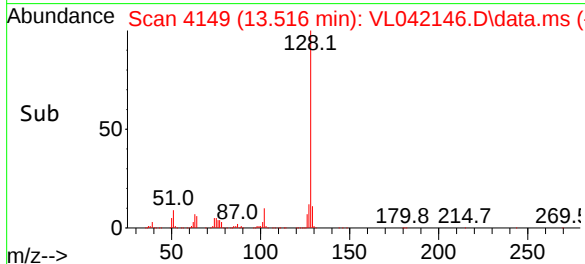
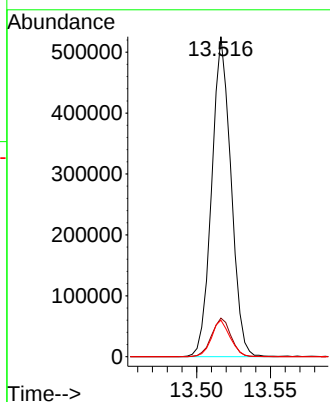
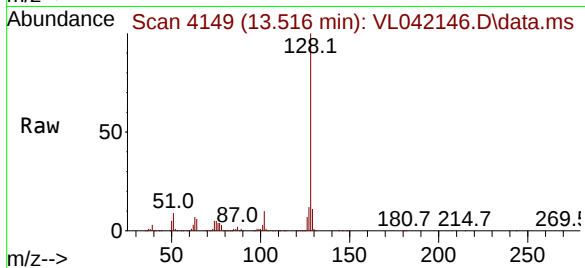
#79
Naphthalene
Concen: 12.172 ppbv
RT: 13.516 min Scan# 4152
Delta R.T. -0.010 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01

Tgt Ion:128 Resp: 47776
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.6
129 11.4 8.6 12.8

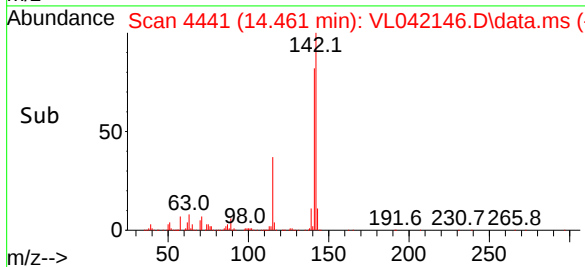
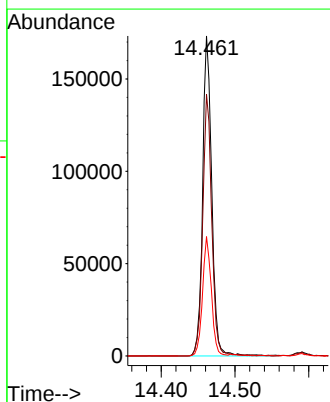
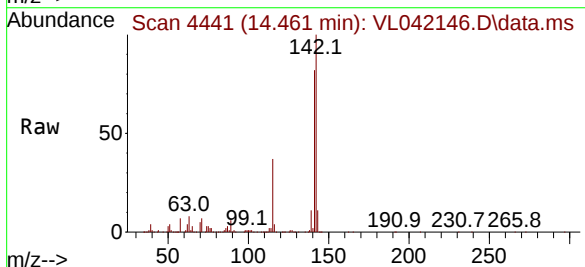
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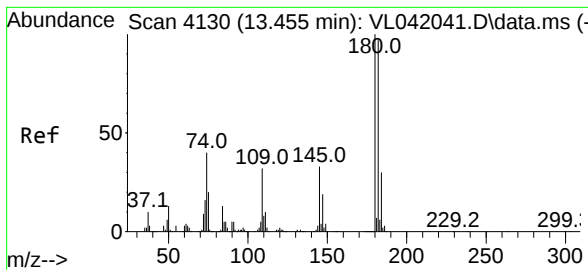
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025



#80
Naphthalene,2-methyl-
Concen: 13.860 ppbv
RT: 14.461 min Scan# 4441
Delta R.T. -0.010 min
Lab File: VL042146.D
Acq: 14 Mar 2025 12:27

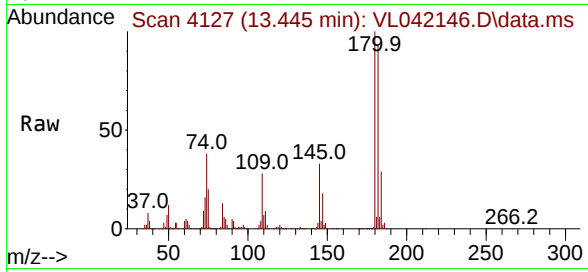
Tgt Ion:142 Resp: 148881
Ion Ratio Lower Upper
142 100
141 81.7 65.8 98.6
115 36.9 29.5 44.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.930 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. -0.010 min
 Lab File: VL042146.D
 Acq: 14 Mar 2025 12:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0314ABS01



Tgt Ion:180 Resp: 217204
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.1 112.7
 184 29.7 23.8 35.6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/17/2025
 Supervised By :Mahesh Dadoda 03/17/2025

