

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042358.D
 Acq On : 17 Apr 2025 15:39
 Operator : SY/MD
 Sample : VL0417ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 02:36:58 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	122375	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	352201	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	321521	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 266757 10.096 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	223505	10.337	ppbv	97
3) Chlorodifluoromethane	1.476	51	206172	10.014	ppbv	100
4) Chloromethane	1.535	50	86675	10.130	ppbv	98
5) Vinyl Chloride	1.583	62	83419	8.956	ppbv	98
6) Bromomethane	1.670	94	36951	9.235	ppbv	83
7) Chloroethane	1.706	64	33936	10.075	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	189924	10.231	ppbv	95
9) Propene	1.486	41	88088	9.395	ppbv	98
10) Heptane	4.985	43	243501	9.244	ppbv	99
11) Trichlorofluoromethane	1.881	101	206645	10.050	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	169501	10.083	ppbv	98
13) Ethanol	1.722	45	4837	3.246	ppbv	88
14) Bromoethene	1.784	108	62214	9.818	ppbv	98
15) Acetone	1.836	43	175153	8.743	ppbv	100
16) 1,3-Butadiene	1.609	39	86965	9.076	ppbv	96
17) tert-Butyl alcohol	2.043	59	242154	9.754	ppbv	100
18) 1,1-Dichloroethene	2.036	96	77247	9.836	ppbv	99
19) Isopropyl Alcohol	1.887	45	104123	9.356	ppbv	94
20) Methylene Chloride	2.062	84	69548	8.865	ppbv	91
21) Allyl Chloride	2.098	41	134221	9.704	ppbv	99
22) trans-1,2-Dichloroethene	2.344	96	86323	9.653	ppbv	97
23) Vinyl Acetate	2.467	43	68337	8.427	ppbv #	97
24) 1,1-Dichloroethane	2.412	63	173238	10.199	ppbv	99
25) Ethyl Acetate	2.839	43	488686	9.894	ppbv	100
26) Hexane	2.829	57	195124	9.761	ppbv	97
27) Carbon Disulfide	2.153	76	218345	10.202	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	124554	9.510	ppbv	96
29) Chloroform	2.852	83	289294	10.239	ppbv	99
30) Cyclohexane	3.862	84	163017	10.088	ppbv	100
31) cis-1,2-Dichloroethene	2.726	61	198108	10.424	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	309460	9.729	ppbv	99
34) 2-Butanone	2.561	43	272600	9.787	ppbv	99
35) Carbon Tetrachloride	3.768	117	305245	9.576	ppbv	92
36) Benzene	3.661	78	383239	10.088	ppbv	98
37) 1,2-Dichloroethane	3.224	62	236611	10.377	ppbv	99
38) Trichloroethene	4.558	130	153596	9.251	ppbv	98
39) 1,2-Dichloropropane	4.321	63	139669	9.866	ppbv	95
40) 1,4-Dioxane	4.590	88	67808	8.716	ppbv #	95
41) Tetrahydrofuran	3.059	42	157777	9.715	ppbv	99
42) Bromodichloromethane	4.496	83	327652	10.326	ppbv	98
43) Methyl Methacrylate	4.888	69	159292	9.304	ppbv	95
44) 2,2,4-Trimethylpentane	4.648	57	657377	10.019	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	172514	9.864	ppbv	91

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Manual Integrations
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Quant Time: Apr 18 02:36:58 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

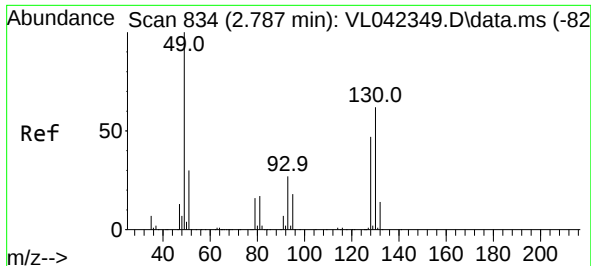
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

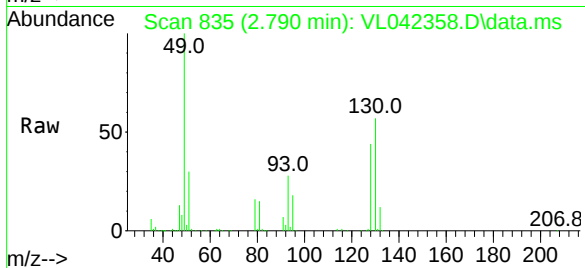
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	216901	10.133	ppbv	91
47) 1,1,2-Trichloroethane	6.590	97	146547	10.161	ppbv	96
48) Dibromochloromethane	7.396	129	261470	10.261	ppbv	100
49) Bromoform	9.487	173	221372	9.936	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	407804	8.810	ppbv	99
51) 2-Hexanone	7.441	43	332646	8.013	ppbv #	98
52) Tetrachloroethene	8.231	164	128670	8.763	ppbv	96
53) Toluene	6.943	91	447581	9.818	ppbv	100
54) 1,2-Dibromoethane	7.658	107	204328	9.899	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.930	131	199945	10.275	ppbv	96
57) Chlorobenzene	8.927	112	335143	10.022	ppbv	99
58) Ethyl Benzene	9.361	91	635446	9.975	ppbv	97
59) m/p-Xylene	9.555	91	1016404m	19.806	ppbv	
60) o-Xylene	9.969	91	506535	9.802	ppbv	99
61) Styrene	9.875	104	248022	10.055	ppbv	99
62) Isopropylbenzene	10.545	105	745571	9.827	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	298581	8.916	ppbv	100
64) n-propylbenzene	10.995	120	188310	9.875	ppbv	95
65) tert-Butylbenzene	11.536	119	668687	9.589	ppbv	93
66) Benzyl Chloride	11.620	91	69058	9.012	ppbv	96
67) sec-Butylbenzene	11.772	105	930426	9.592	ppbv	100
69) p-Isopropyltoluene	11.931	119	795532	9.441	ppbv	99
70) n-Butylbenzene	12.287	91	846427	9.644	ppbv	100
71) 2-Chlorotoluene	10.905	91	591154	9.934	ppbv	99
72) 4-Ethyltoluene	11.131	105	606879	9.606	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	533060	9.557	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	584747	8.976	ppbv	96
75) 1,3-Dichlorobenzene	11.613	146	320811	9.474	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	319376	9.384	ppbv	100
77) 1,2-Dichlorobenzene	11.953	146	311460	9.459	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	303379	9.124	ppbv	99
79) Naphthalene	13.517	128	701010	8.999	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	369891	8.331	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	315002	9.417	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.003 min
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Acq: 17 Apr 2025 15:39

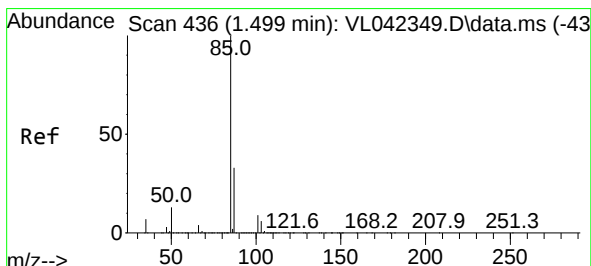
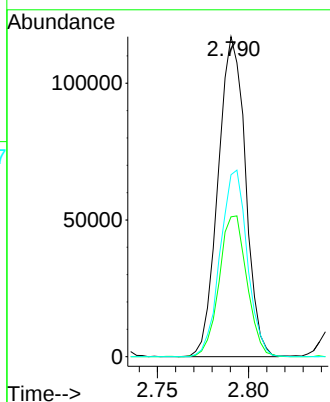
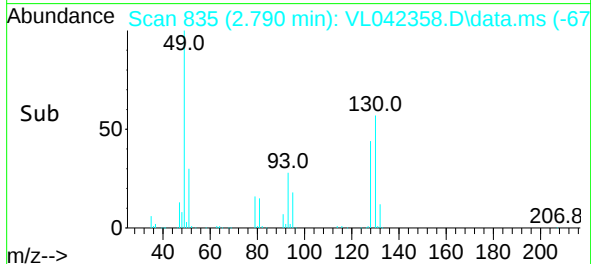
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



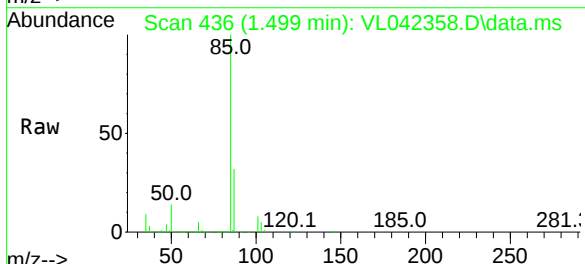
Tgt Ion: 49 Resp: 122375
Ion Ratio Lower Upper
49 100
128 44.5 22.8 68.4
130 57.6 29.3 88.0

Manual Integrations
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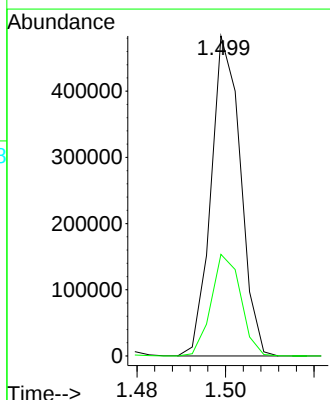
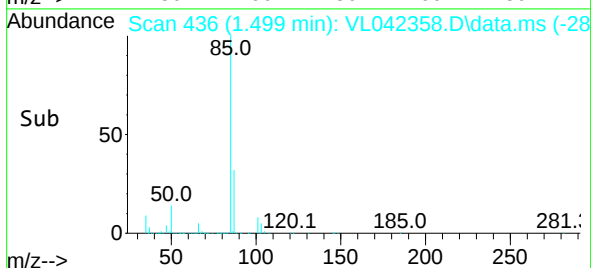
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

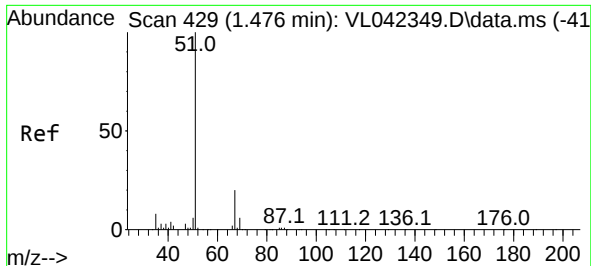


#2
Dichlorodifluoromethane
Concen: 10.337 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



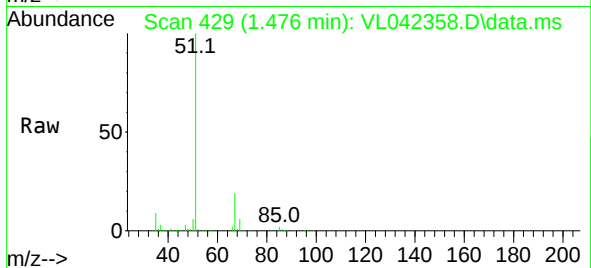
Tgt Ion: 85 Resp: 223505
Ion Ratio Lower Upper
85 100
87 31.7 26.6 39.8





#3
Chlorodifluoromethane
Concen: 10.014 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

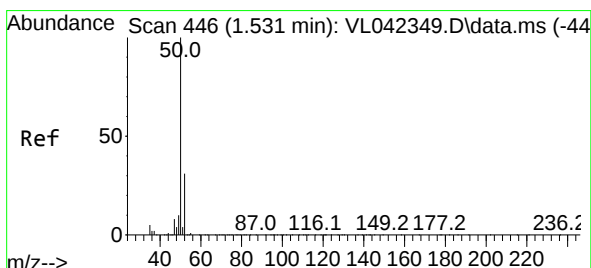
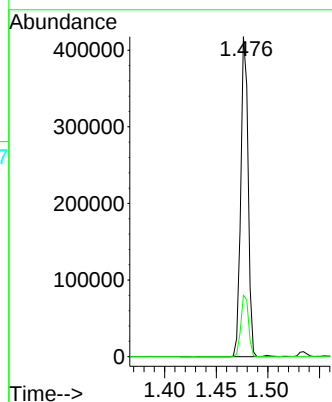
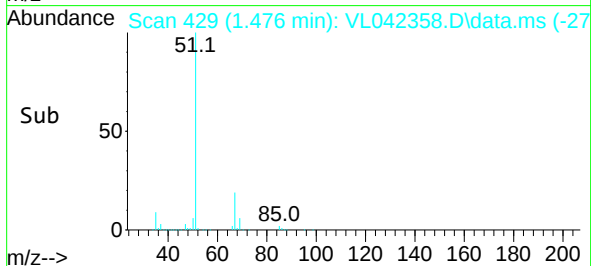
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



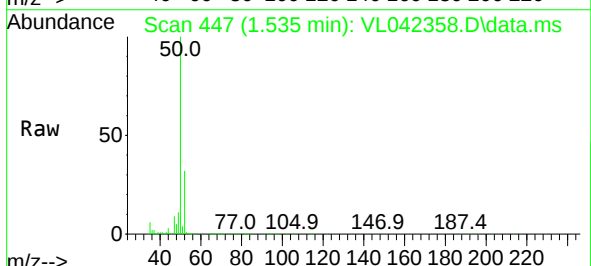
Tgt Ion: 51 Resp: 206172
Ion Ratio Lower Upper
51 100
67 20.2 16.2 24.4

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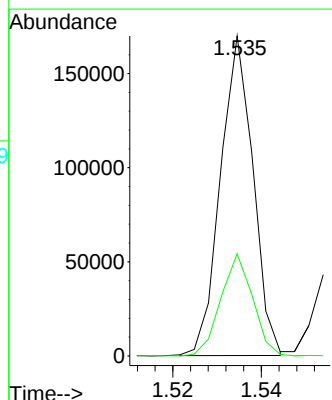
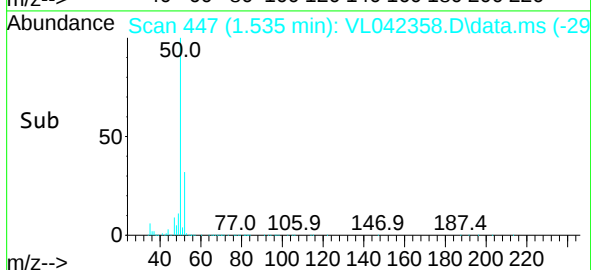
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

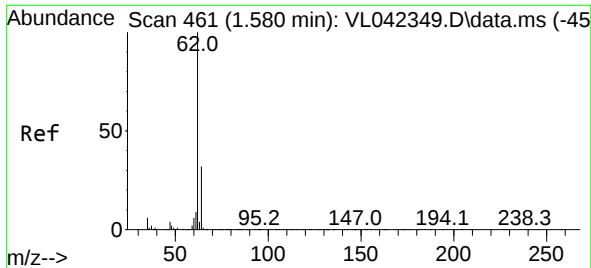


#4
Chloromethane
Concen: 10.130 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



Tgt Ion: 50 Resp: 86675
Ion Ratio Lower Upper
50 100
52 32.1 24.7 37.1





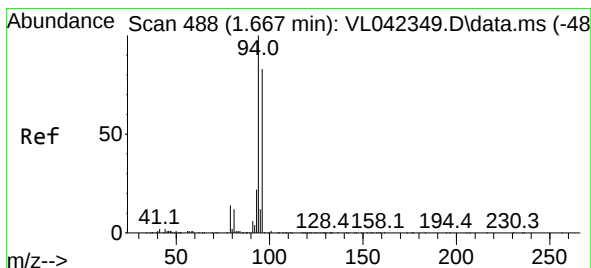
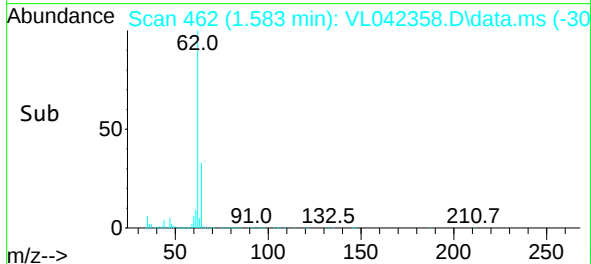
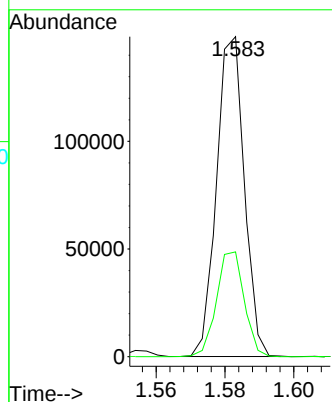
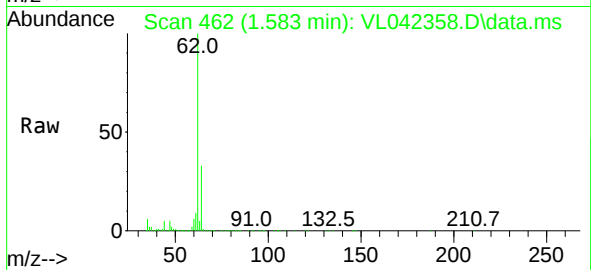
#5
 Vinyl Chloride
 Concen: 8.956 ppbv
 RT: 1.583 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042358.D
 Acq: 17 Apr 2025 15:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01

Tgt Ion: 62 Resp: 83419
 Ion Ratio Lower Upper
 62 100
 64 32.8 25.4 38.0

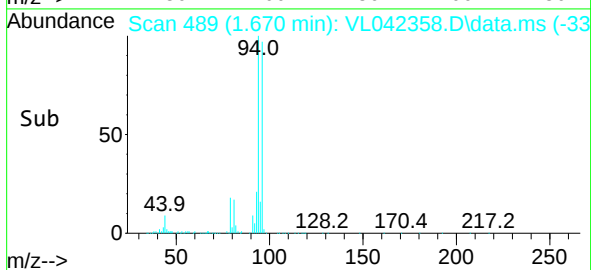
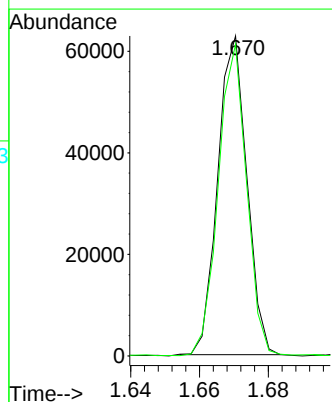
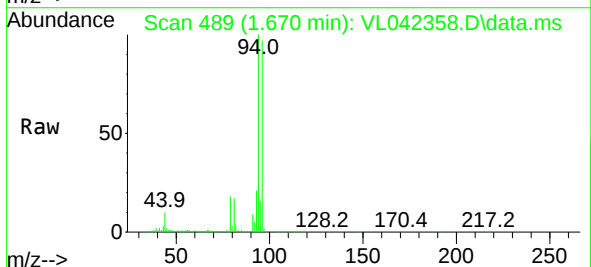
Manual Integrations
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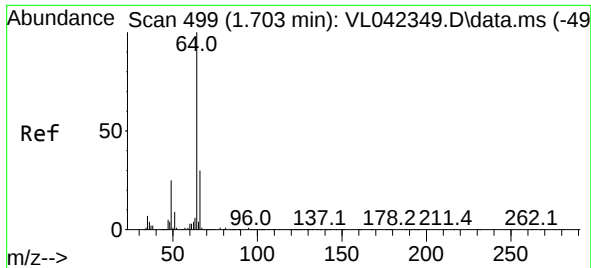
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#6
 Bromomethane
 Concen: 9.235 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042358.D
 Acq: 17 Apr 2025 15:39

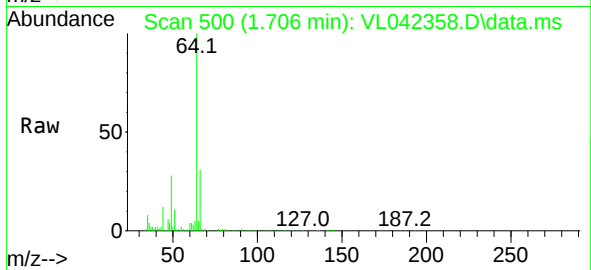
Tgt Ion: 94 Resp: 36951
 Ion Ratio Lower Upper
 94 100
 96 97.7 66.2 99.2





#7
Chloroethane
Concen: 10.075 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

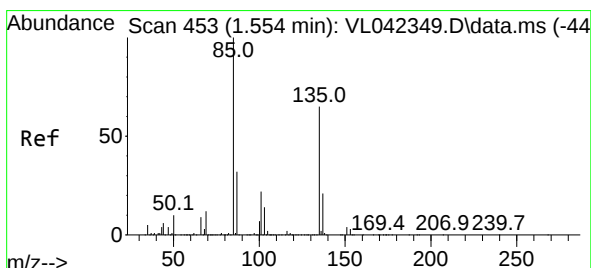
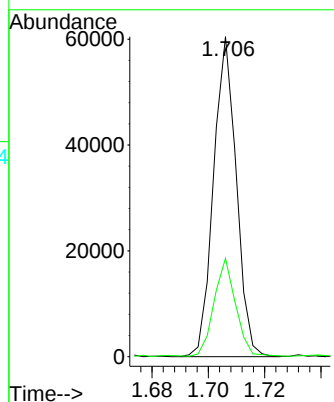
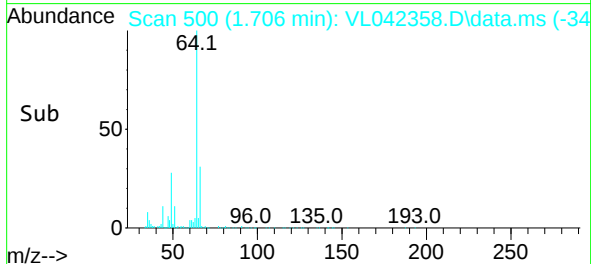
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



Tgt Ion: 64 Resp: 33930
Ion Ratio Lower Upper
64 100
66 30.7 24.6 37.0

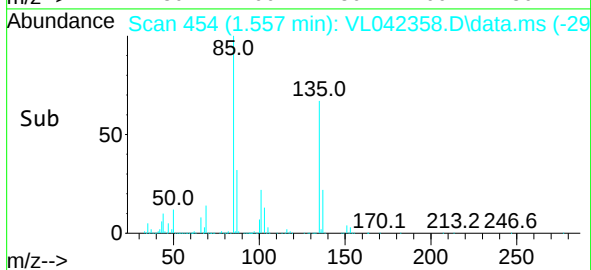
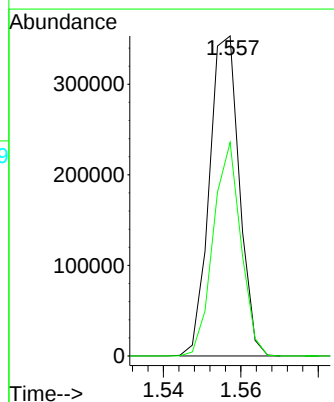
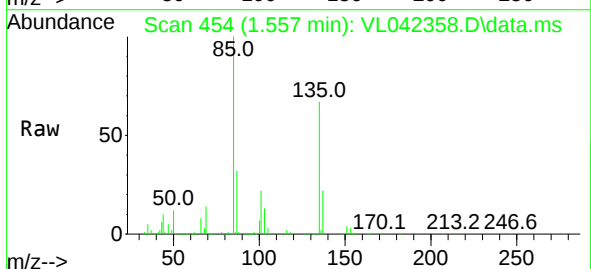
Manual Integrations
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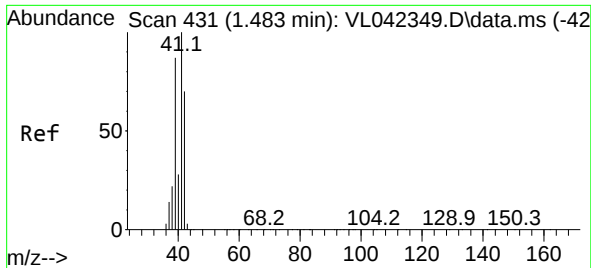
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#8
Dichlorotetrafluoroethane
Concen: 10.231 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

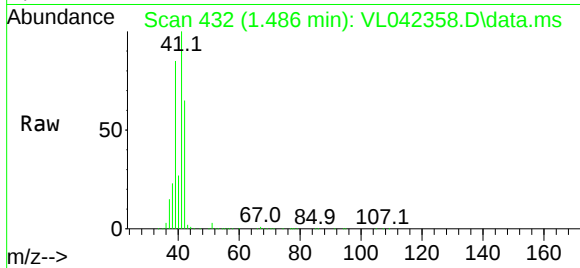
Tgt Ion: 85 Resp: 189924
Ion Ratio Lower Upper
85 100
135 61.4 52.2 78.2





#9
 Propene
 Concen: 9.395 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042358.D
 Acq: 17 Apr 2025 15:39

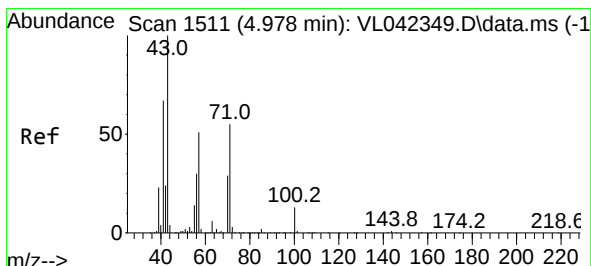
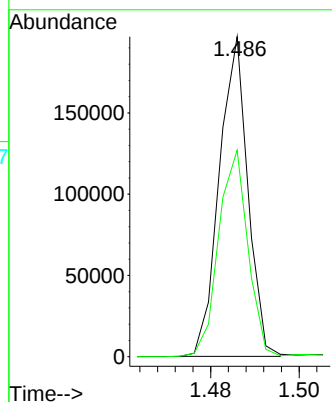
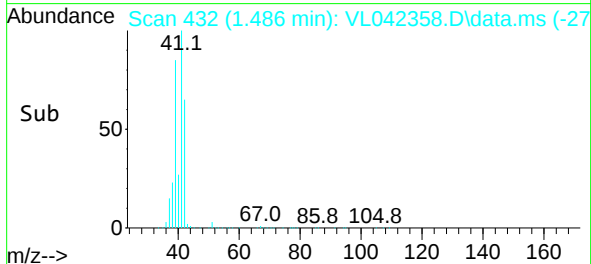
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01



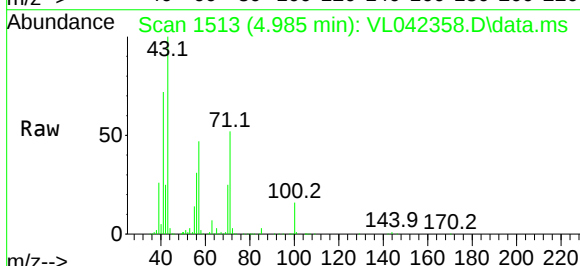
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 Ion Ratio Lower Upper
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Manual Integrations
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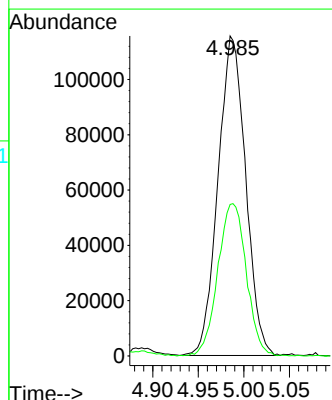
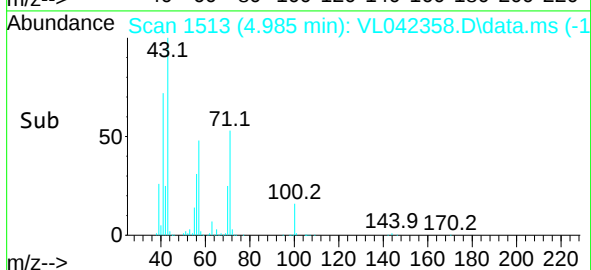
Reviewed By :Semsettin Yesilyurt 04/18/2025
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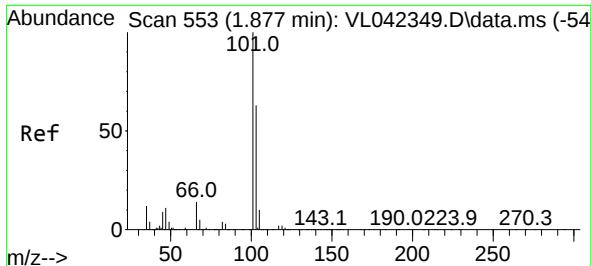


#10
 Heptane
 Concen: 9.244 ppbv
 RT: 4.985 min Scan# 1513
 Delta R.T. 0.007 min
 Lab File: VL042358.D
 Acq: 17 Apr 2025 15:39



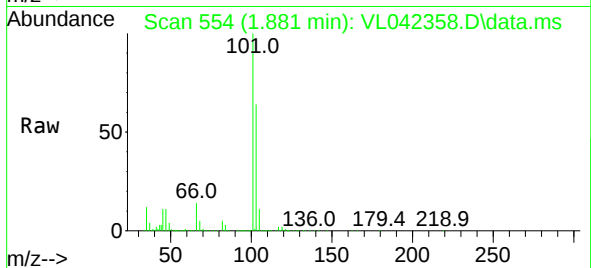
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 Ion Ratio Lower Upper
 43 100
 57 49.4 39.9 59.9





#11
Trichlorofluoromethane
Concen: 10.050 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

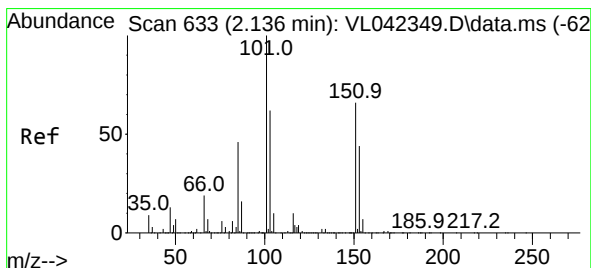
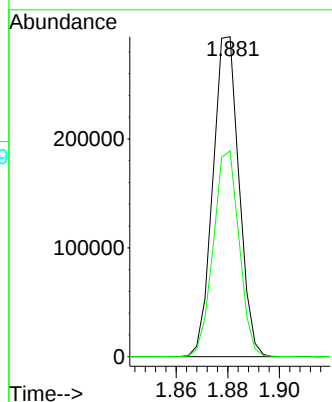
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



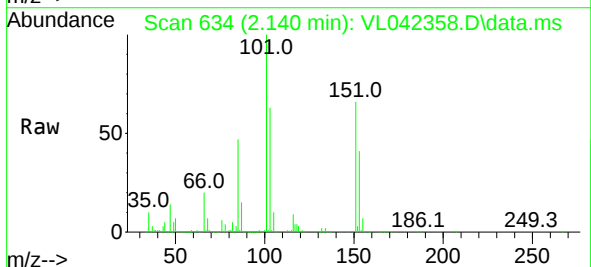
Tgt Ion:101 Resp: 206649
Ion Ratio Lower Upper
101 100
103 64.3 50.1 75.1

Manual Integrations
APPROVED

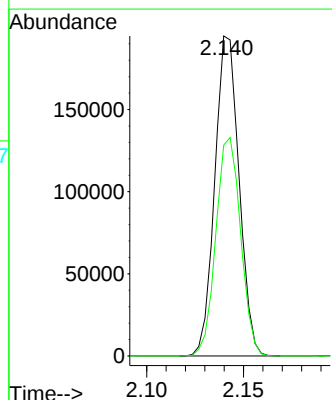
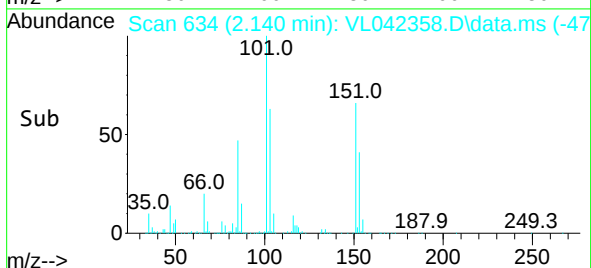
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

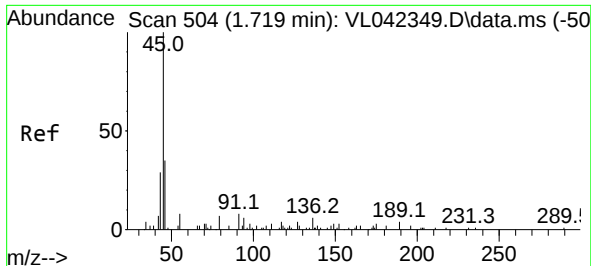


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.083 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



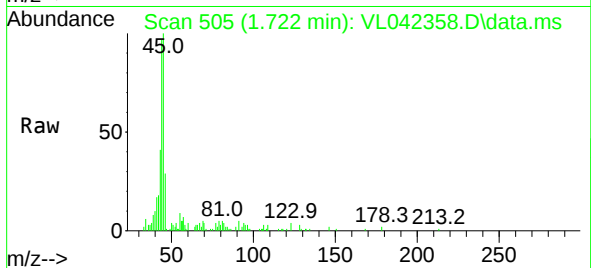
Tgt Ion:101 Resp: 169501
Ion Ratio Lower Upper
101 100
151 69.6 57.0 85.6





#13
Ethanol
Concen: 3.246 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

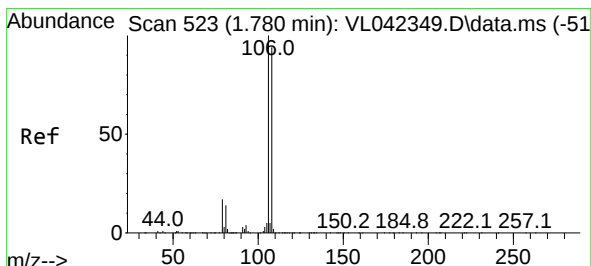
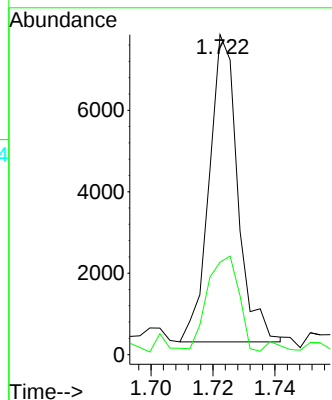
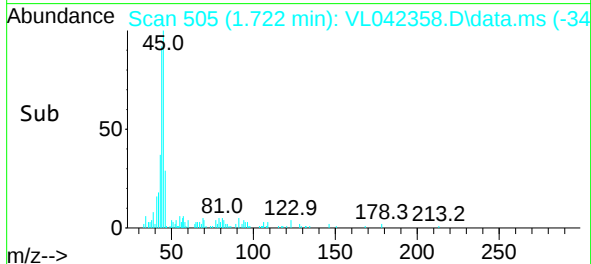
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



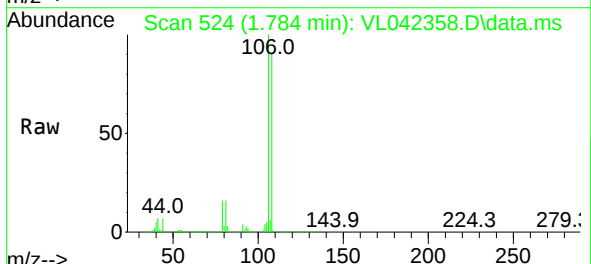
Tgt Ion: 45 Resp: 483
Ion Ratio Lower Upper
45 100
46 45.8 21.9 87.7

Manual Integrations
APPROVED

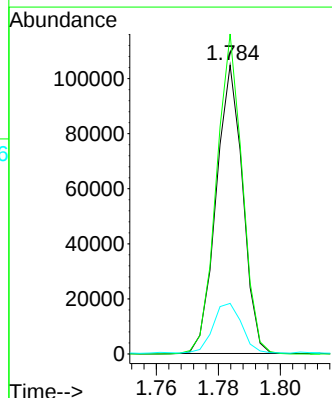
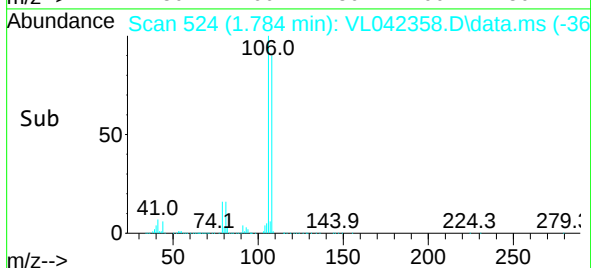
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

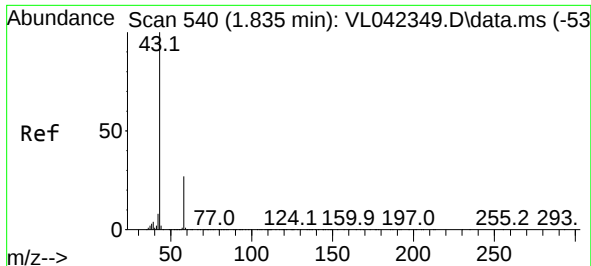


#14
Bromoethene
Concen: 9.818 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



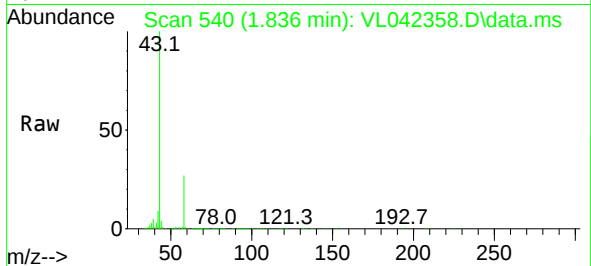
Tgt Ion:108 Resp: 62214
Ion Ratio Lower Upper
108 100
106 108.2 85.9 128.9
79 20.6 13.9 20.9





#15
Acetone
Concen: 8.743 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

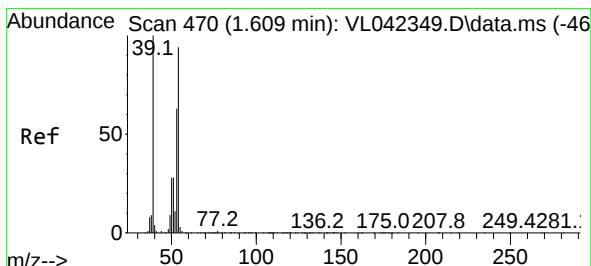
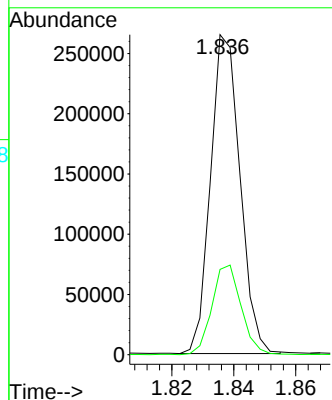
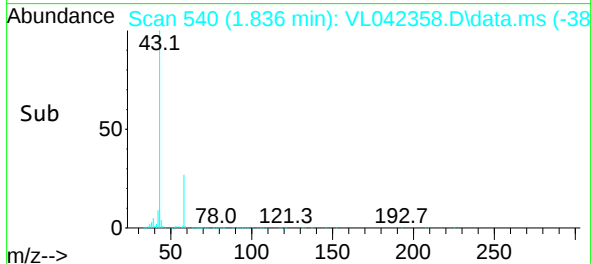
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



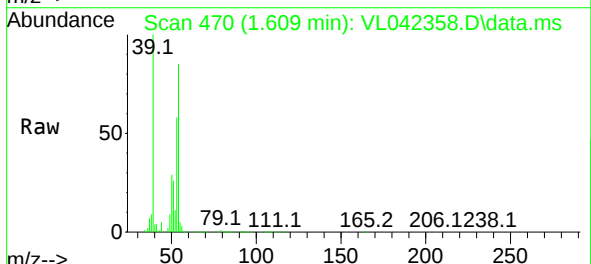
Tgt Ion: 43 Resp: 17515
Ion Ratio Lower Upper
43 100
58 27.9 22.4 33.6

Manual Integrations
APPROVED

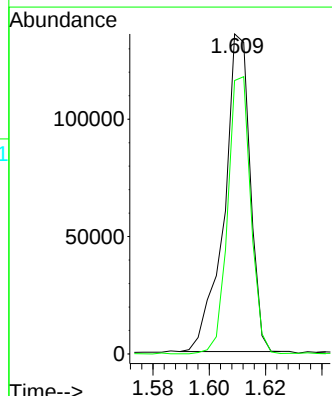
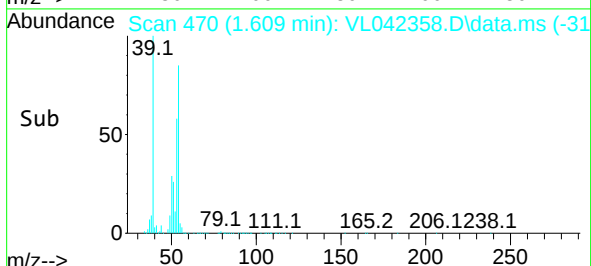
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

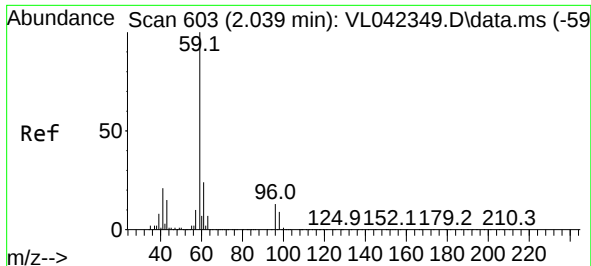


#16
1,3-Butadiene
Concen: 9.076 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



Tgt Ion: 39 Resp: 86965
Ion Ratio Lower Upper
39 100
54 77.9 64.9 97.3





#17

tert-Butyl alcohol

Concen: 9.754 ppbv

RT: 2.043 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

Tgt Ion: 59 Resp: 242154

Ion Ratio Lower Upper

59 100

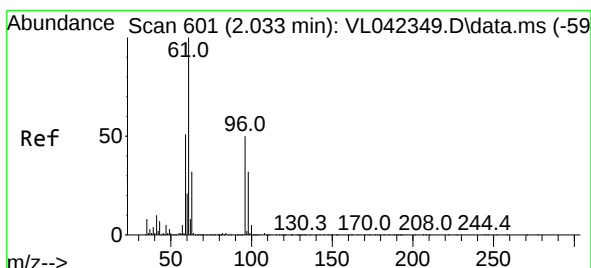
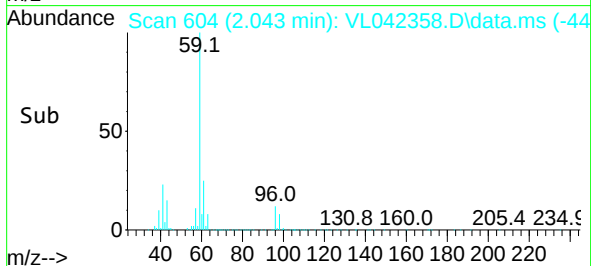
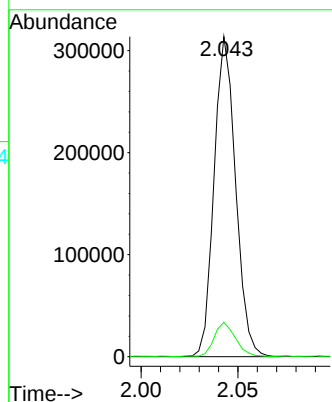
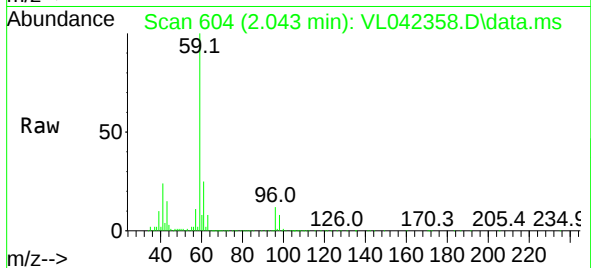
57 10.9 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#18

1,1-Dichloroethene

Concen: 9.836 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

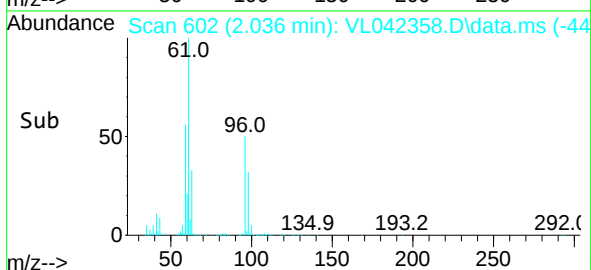
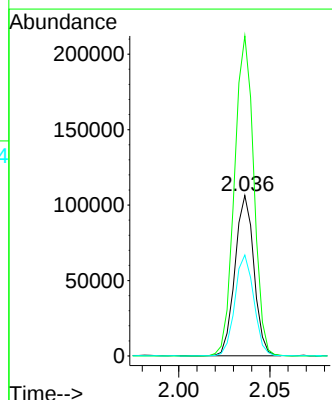
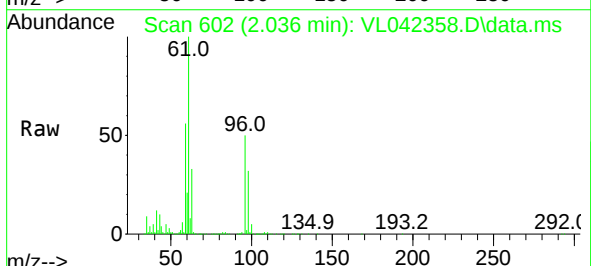
Tgt Ion: 96 Resp: 77247

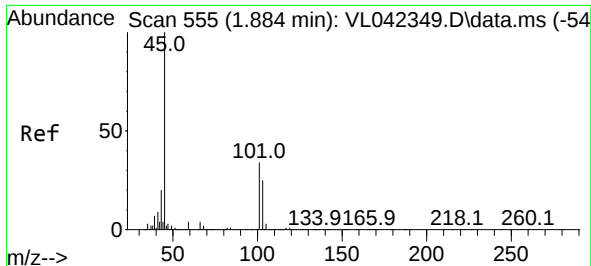
Ion Ratio Lower Upper

96 100

61 199.6 160.2 240.2

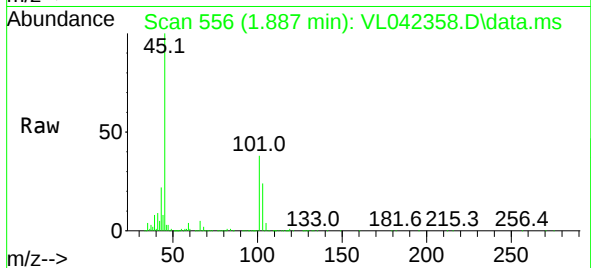
98 63.0 51.0 76.4





#19
Isopropyl Alcohol
Concen: 9.356 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

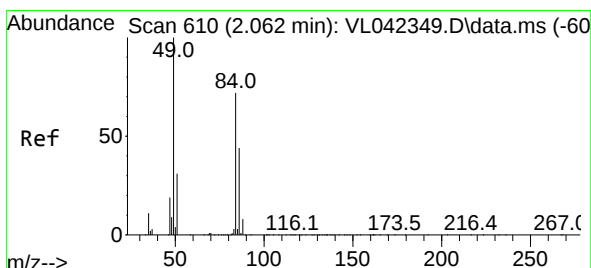
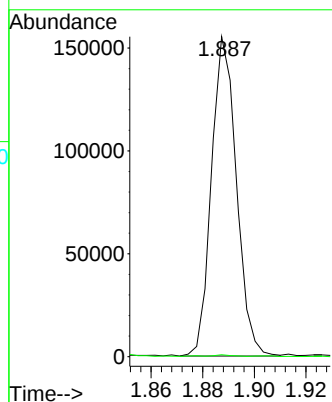
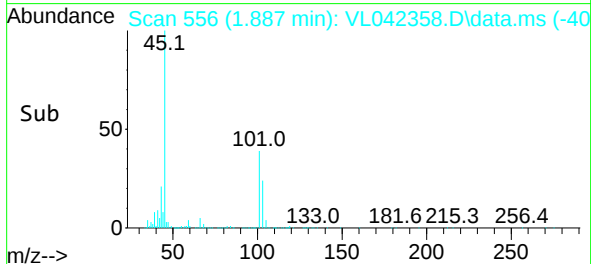
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



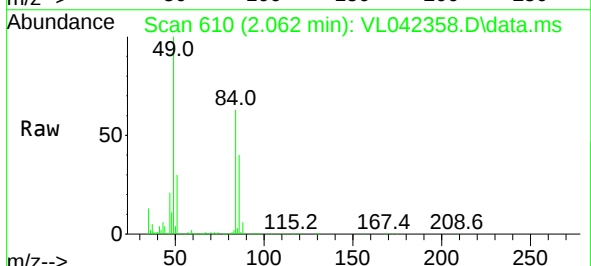
Tgt Ion: 45 Resp: 10412
Ion Ratio Lower Upper
45 100
58 46.9 34.5 51.7

Manual Integrations
APPROVED

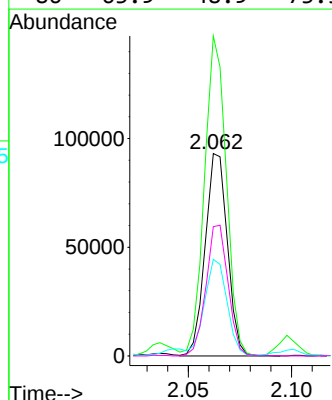
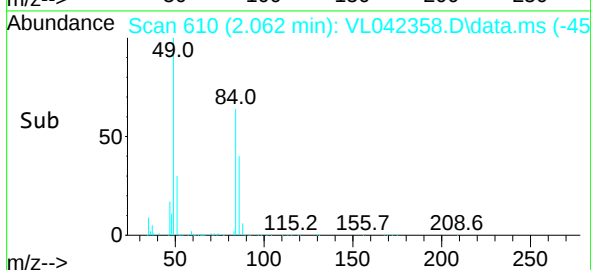
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

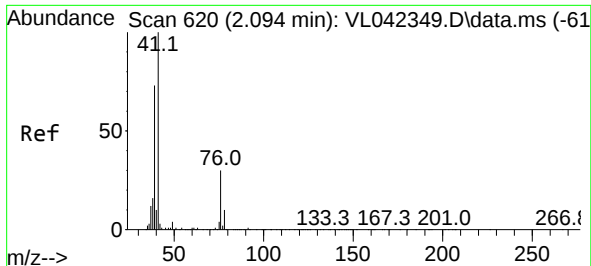


#20
Methylene Chloride
Concen: 8.865 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



Tgt Ion: 84 Resp: 69548
Ion Ratio Lower Upper
84 100
49 156.3 111.6 167.4
51 45.9 35.1 52.7
86 63.9 48.9 73.3





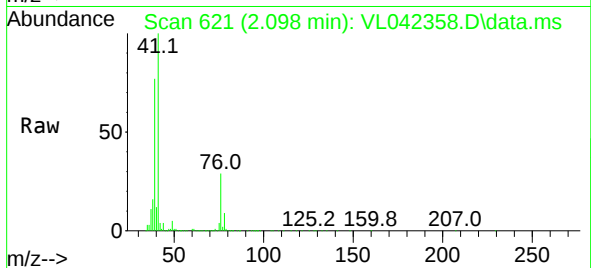
#21
 Allyl Chloride
 Concen: 9.704 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042358.D
 Acq: 17 Apr 2025 15:39

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

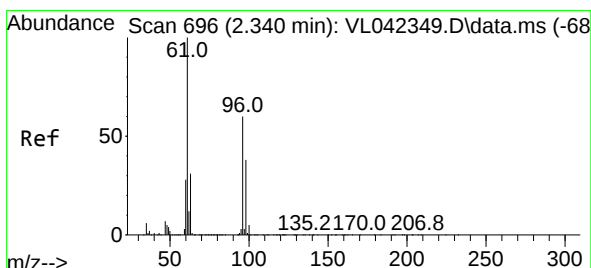
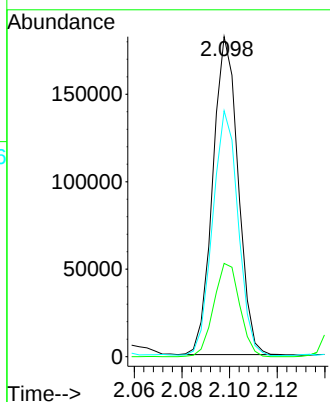
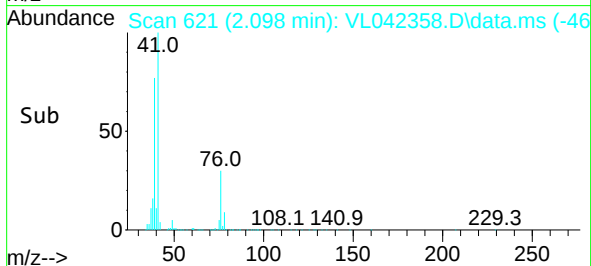


Tgt Ion: 41 Resp: 13422
 Ion Ratio Lower Upper
 41 100
 76 30.1 24.8 37.2
 39 76.8 60.6 90.8

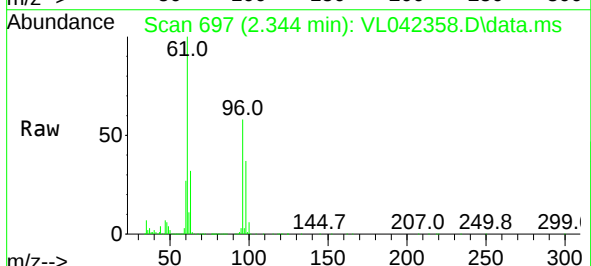
Manual Integrations

APPROVED

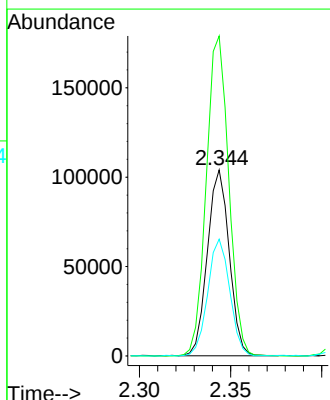
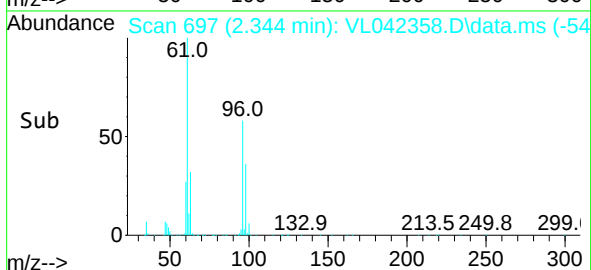
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

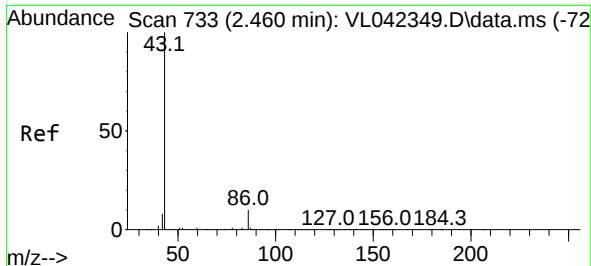


#22
 trans-1,2-Dichloroethene
 Concen: 9.653 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.003 min
 Lab File: VL042358.D
 Acq: 17 Apr 2025 15:39



Tgt Ion: 96 Resp: 86323
 Ion Ratio Lower Upper
 96 100
 61 172.1 133.7 200.5
 98 62.9 50.3 75.5





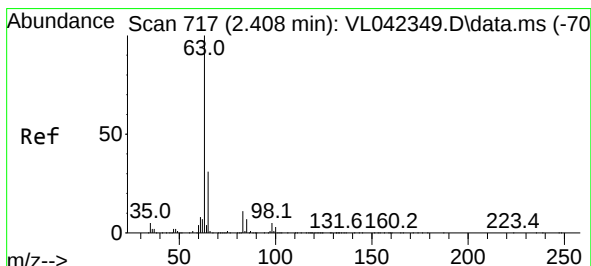
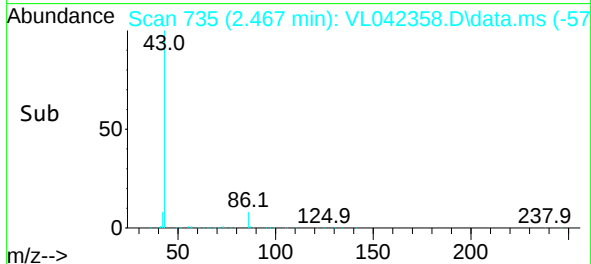
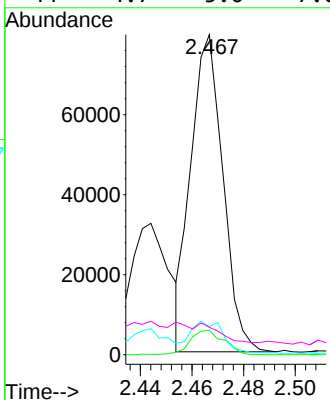
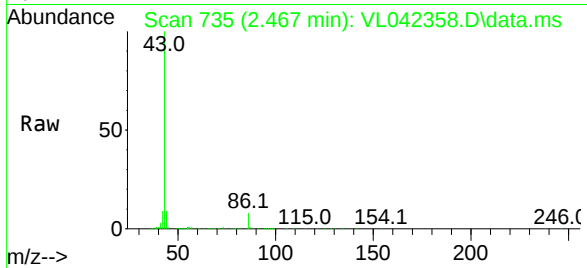
#23
 Vinyl Acetate
 Concen: 8.427 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.007 min
 Lab File: VL042358.D
 Acq: 17 Apr 2025 15:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01

Tgt Ion:	43	Resp:	6833
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.5	9.7
42	8.3	7.8	11.8
44	4.7	5.0	7.6

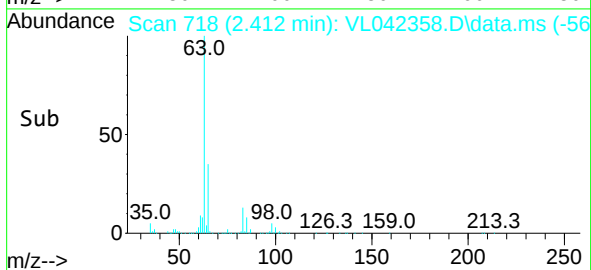
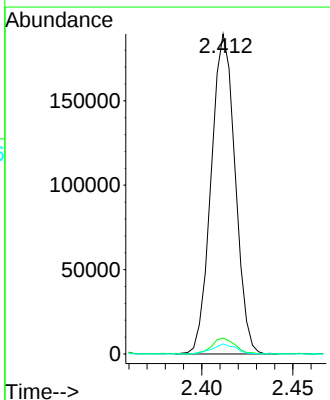
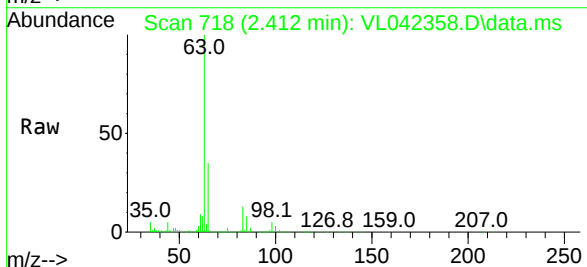
Manual Integrations
 APPROVED

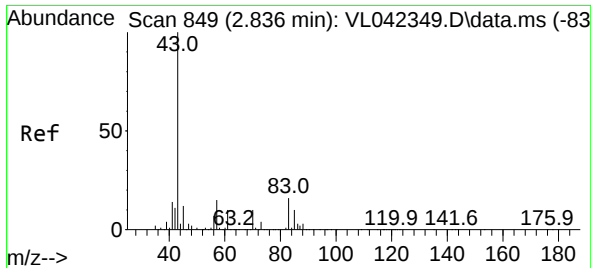
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#24
 1,1-Dichloroethane
 Concen: 10.199 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042358.D
 Acq: 17 Apr 2025 15:39

Tgt Ion:	63	Resp:	173238
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.3	6.8
100	3.1	1.6	4.8





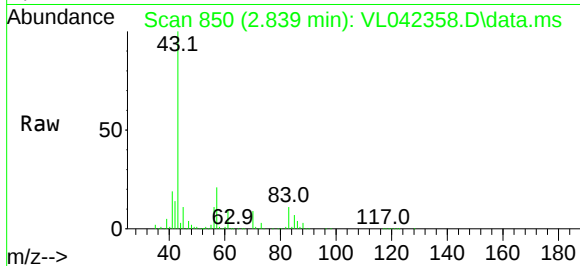
#25
Ethyl Acetate
Concen: 9.894 ppbv
RT: 2.839 min Scan# 849
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

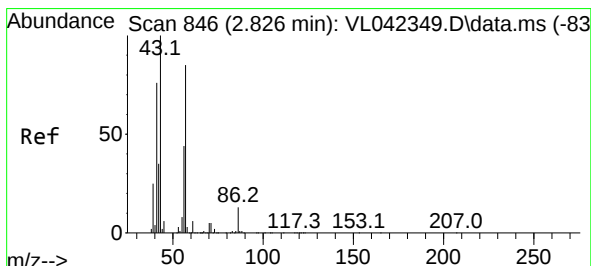
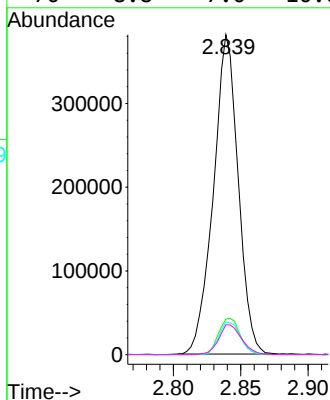
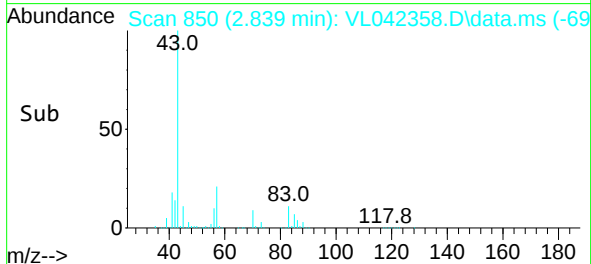


Tgt Ion: 43 Resp: 488680
Ion Ratio Lower Upper
43 100
45 10.1 8.3 12.5
61 9.0 7.3 10.9
70 8.8 7.0 10.6

Manual Integrations

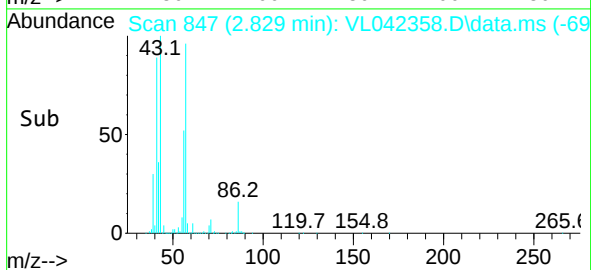
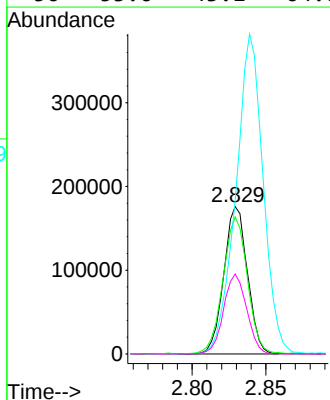
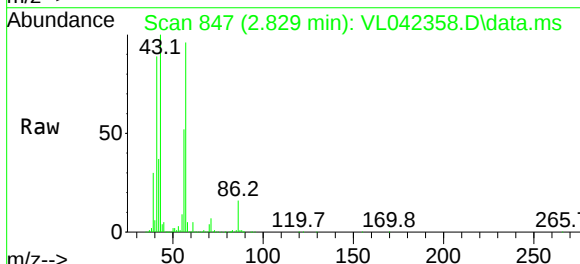
APPROVED

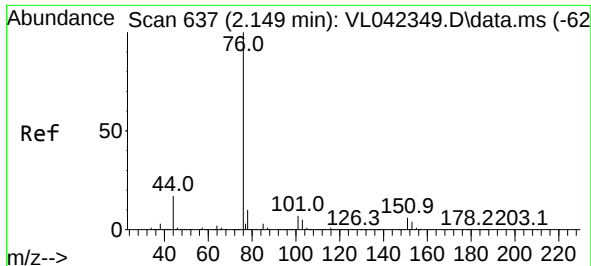
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#26
Hexane
Concen: 9.761 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

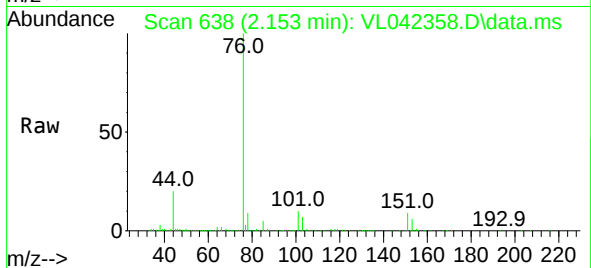
Tgt Ion: 57 Resp: 195124
Ion Ratio Lower Upper
57 100
41 96.9 77.9 116.9
43 251.9 208.4 312.6
56 53.6 43.1 64.7





#27
Carbon Disulfide
Concen: 10.202 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

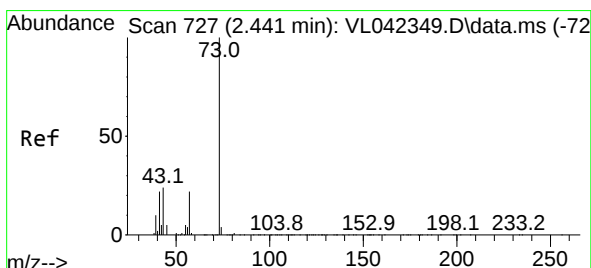
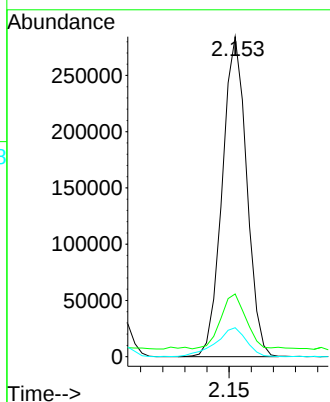
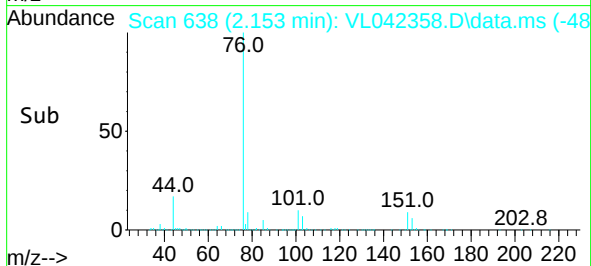
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



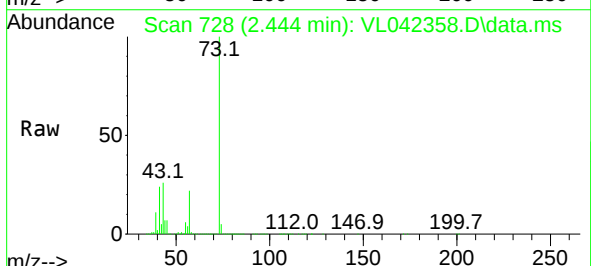
Tgt Ion: 76 Resp: 21834
Ion Ratio Lower Upper
76 100
44 21.6 15.5 23.3
78 11.4 9.3 13.9

Manual Integrations
APPROVED

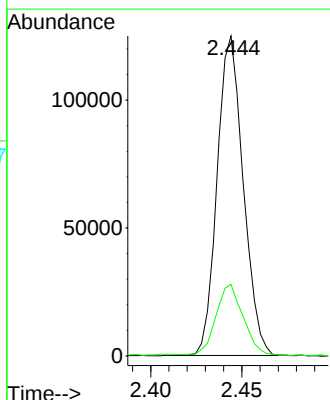
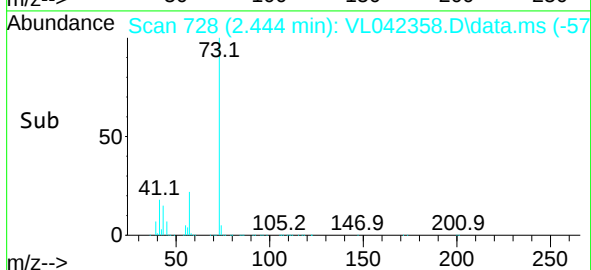
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

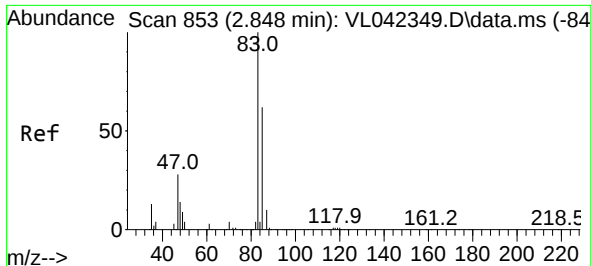


#28
Methyl tert-Butyl Ether
Concen: 9.510 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



Tgt Ion: 73 Resp: 124554
Ion Ratio Lower Upper
73 100
57 24.5 21.3 31.9





#29

Chloroform

Concen: 10.239 ppbv

RT: 2.852 min Scan# 853

Delta R.T. 0.003 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

Tgt Ion: 83 Resp: 289294

Ion Ratio Lower Upper

83 100

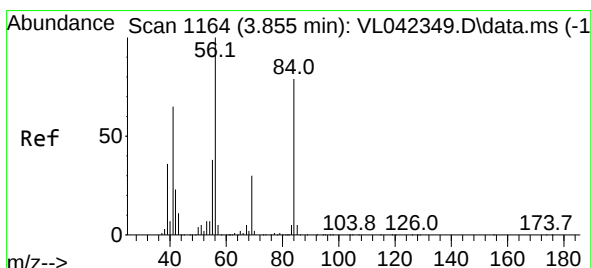
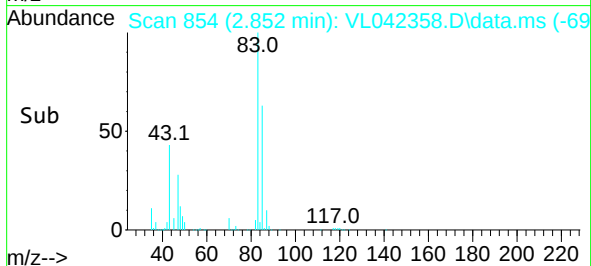
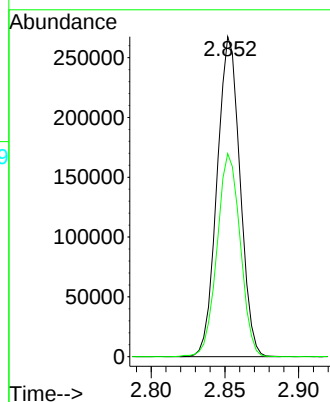
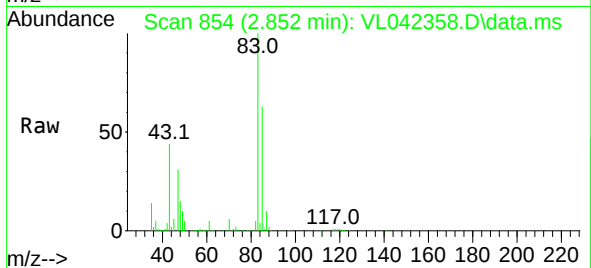
85 63.4 50.0 75.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#30

Cyclohexane

Concen: 10.088 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.007 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

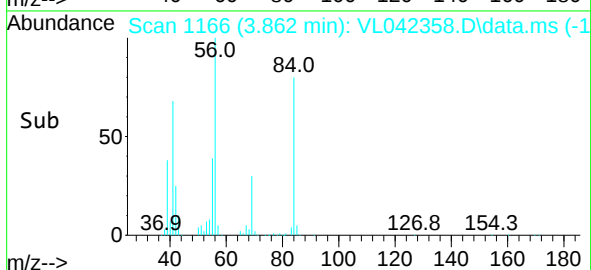
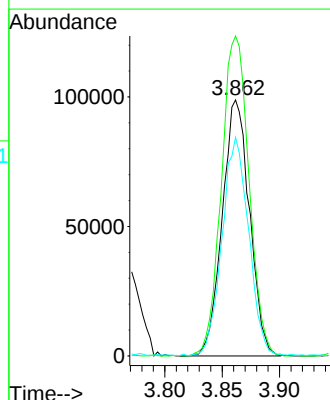
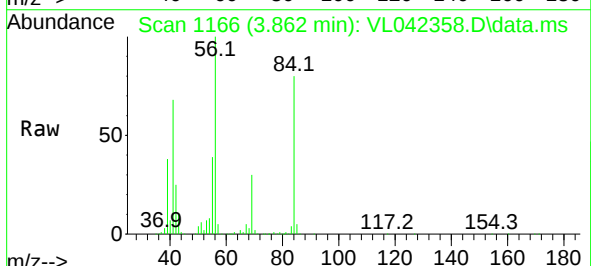
Tgt Ion: 84 Resp: 163017

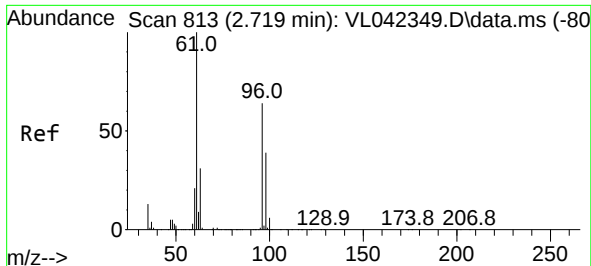
Ion Ratio Lower Upper

84 100

56 126.7 101.0 151.4

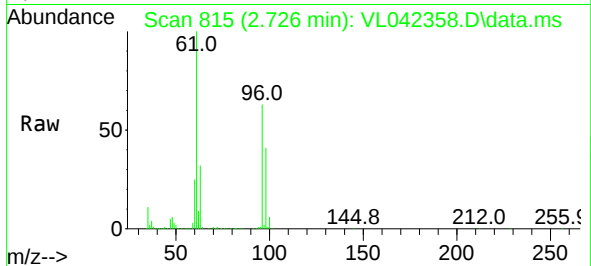
41 83.8 67.4 101.0





#31
 cis-1,2-Dichloroethene
 Concen: 10.424 ppbv
 RT: 2.726 min Scan# 81
 Delta R.T. 0.007 min
 Lab File: VL042358.D
 Acq: 17 Apr 2025 15:39

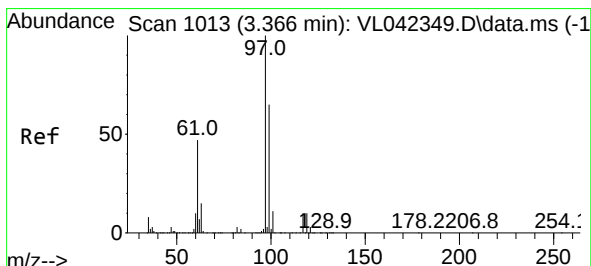
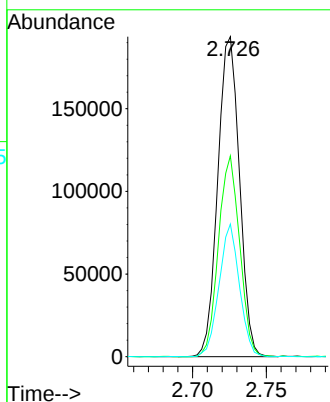
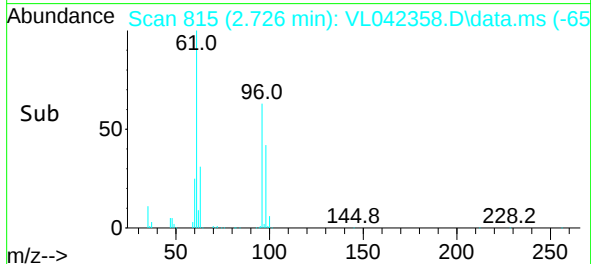
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01



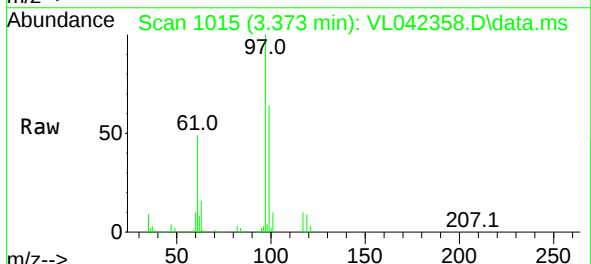
Tgt Ion: 61 Resp: 198108
 Ion Ratio Lower Upper
 61 100
 96 62.8 50.8 76.2
 98 41.4 30.9 46.3

Manual Integrations
 APPROVED

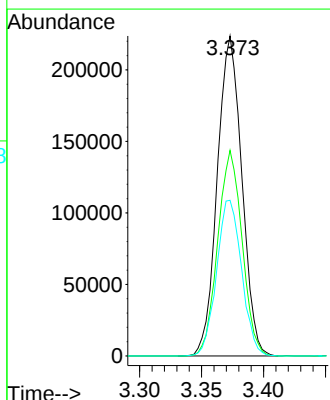
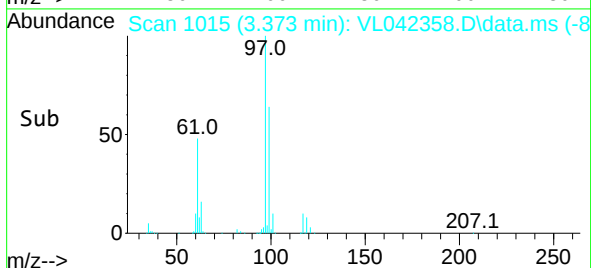
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

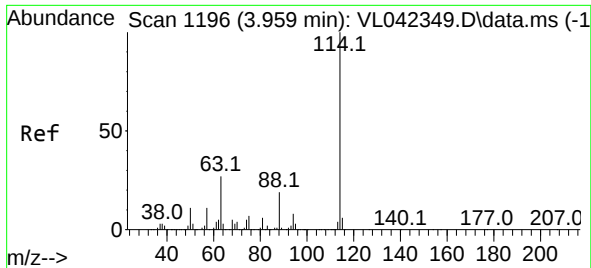


#32
 1,1,1-Trichloroethane
 Concen: 9.729 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.007 min
 Lab File: VL042358.D
 Acq: 17 Apr 2025 15:39



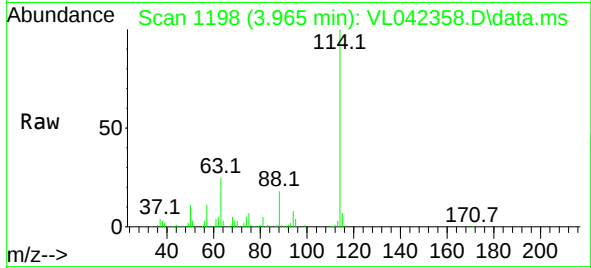
Tgt Ion: 97 Resp: 309460
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.0 76.4
 61 49.5 38.8 58.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1196
Delta R.T. 0.007 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

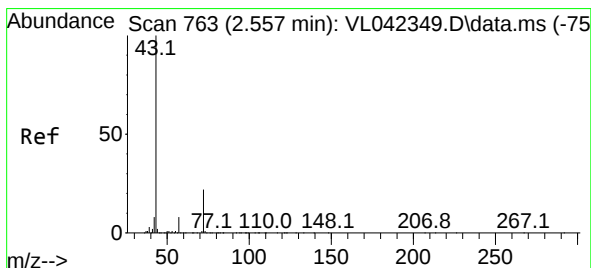
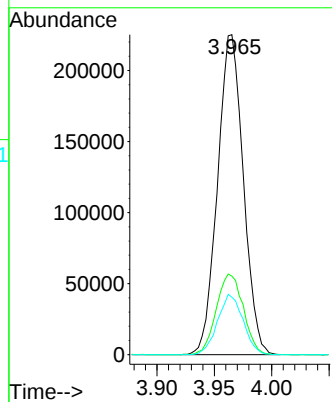
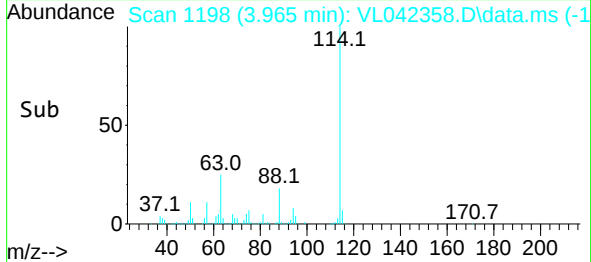
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



Tgt Ion:114 Resp: 35220
Ion Ratio Lower Upper
114 100
63 26.4 21.8 32.6
88 18.6 15.5 23.3

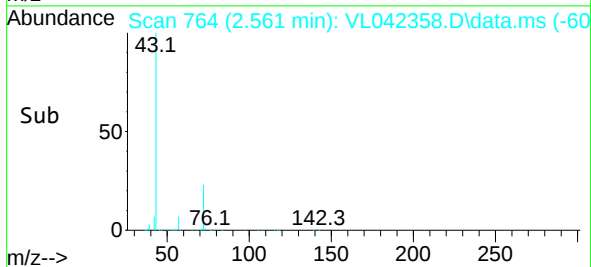
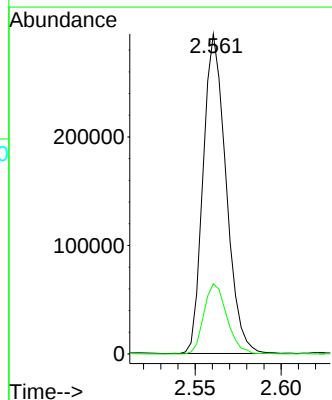
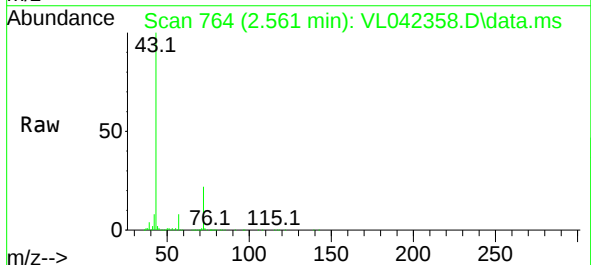
Manual Integrations
APPROVED

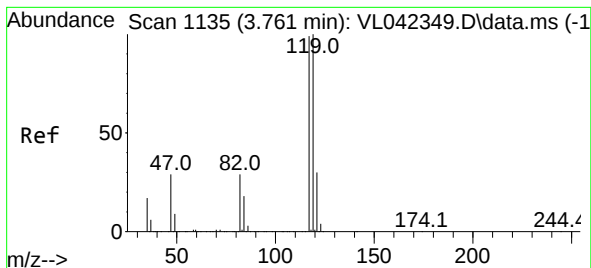
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#34
2-Butanone
Concen: 9.787 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

Tgt Ion: 43 Resp: 272600
Ion Ratio Lower Upper
43 100
72 22.2 18.2 27.2





#35

Carbon Tetrachloride

Concen: 9.576 ppbv

RT: 3.768 min Scan# 1135

Delta R.T. 0.007 min

Lab File: VL042358.D

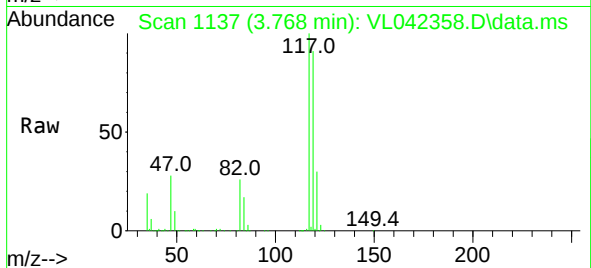
Acq: 17 Apr 2025 15:39

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01



Tgt Ion: 117 Resp: 305249

Ion Ratio Lower Upper

117 100

119 91.0 80.5 120.7

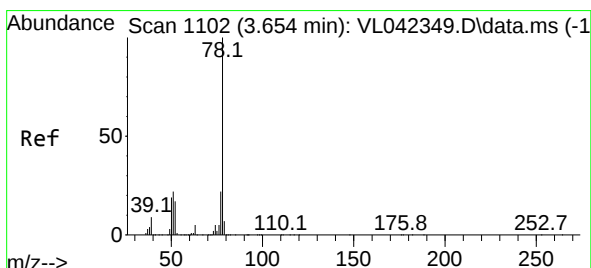
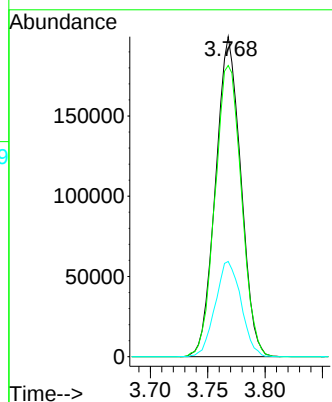
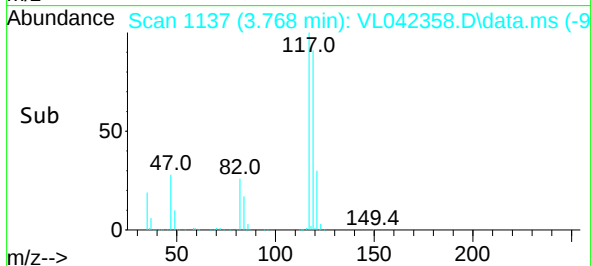
121 29.8 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#36

Benzene

Concen: 10.088 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. 0.007 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

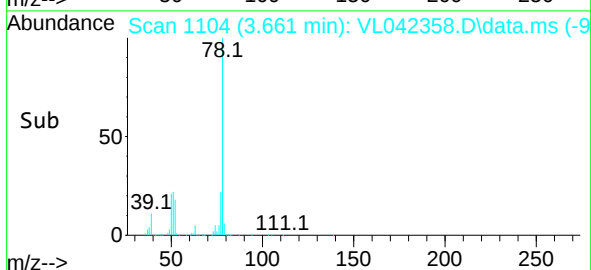
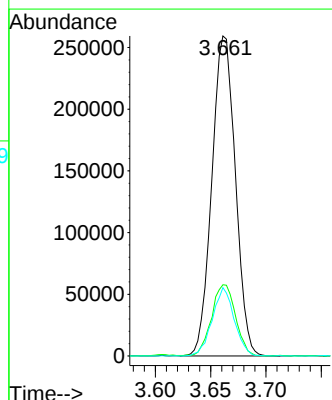
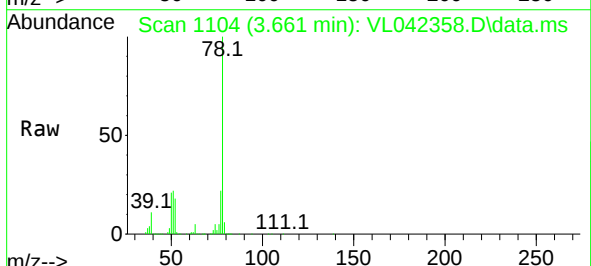
Tgt Ion: 78 Resp: 383239

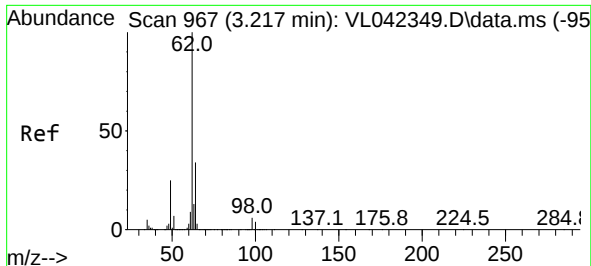
Ion Ratio Lower Upper

78 100

77 22.1 17.4 26.0

50 21.3 15.5 23.3





#37

1,2-Dichloroethane

Concen: 10.377 ppbv

RT: 3.224 min Scan# 967

Delta R.T. 0.007 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

Tgt Ion: 62 Resp: 23661

Ion Ratio Lower Upper

62 100

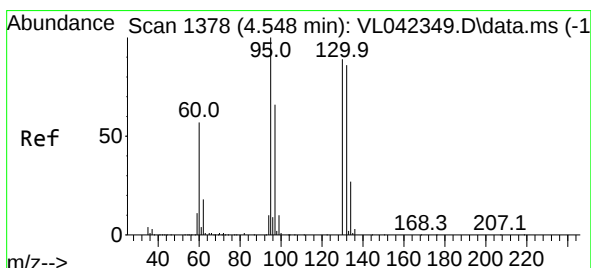
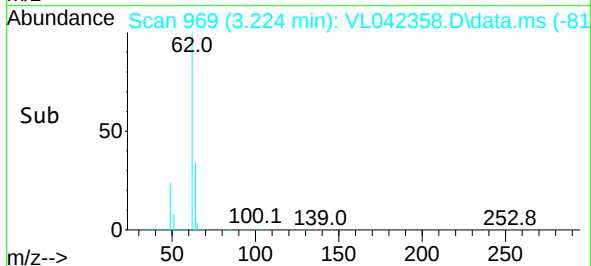
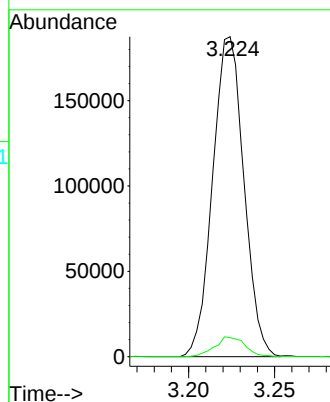
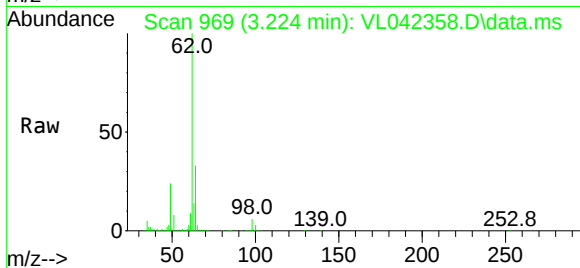
98 6.0 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#38

Trichloroethene

Concen: 9.251 ppbv

RT: 4.558 min Scan# 1381

Delta R.T. 0.010 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

Tgt Ion:130 Resp: 153596

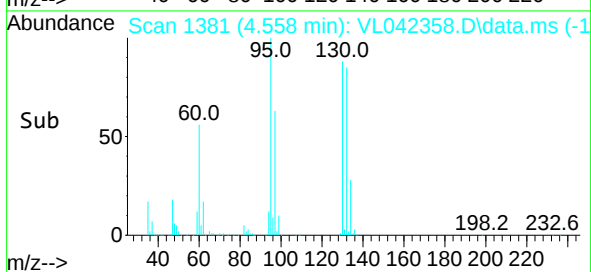
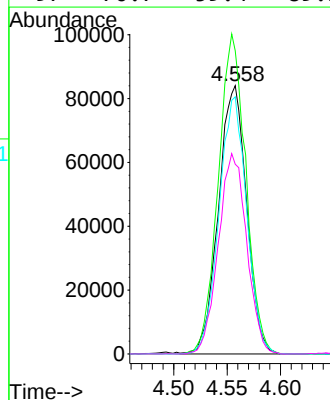
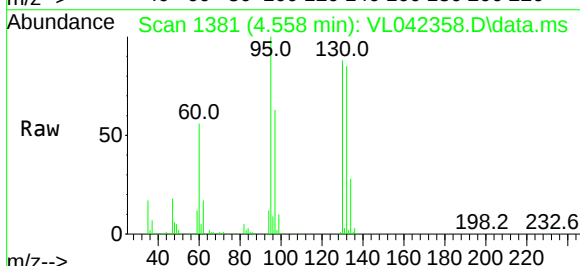
Ion Ratio Lower Upper

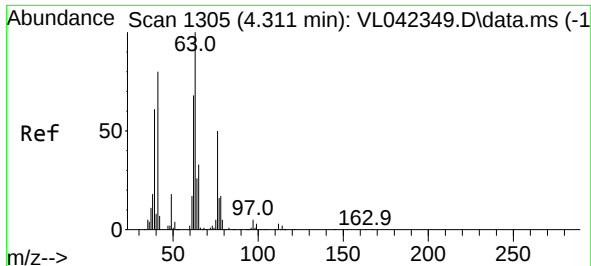
130 100

95 113.0 89.8 134.6

132 95.8 77.7 116.5

97 70.7 59.4 89.2





#39

1,2-Dichloropropane

Concen: 9.866 ppbv

RT: 4.321 min Scan# 1305

Delta R.T. 0.010 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

Tgt Ion: 63 Resp: 13966

Ion Ratio Lower Upper

63 100

41 75.7 64.2 96.2

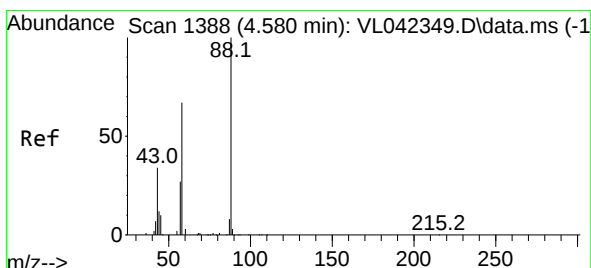
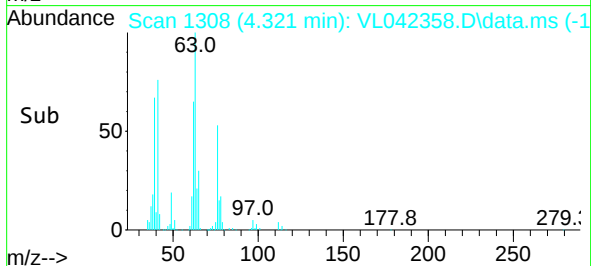
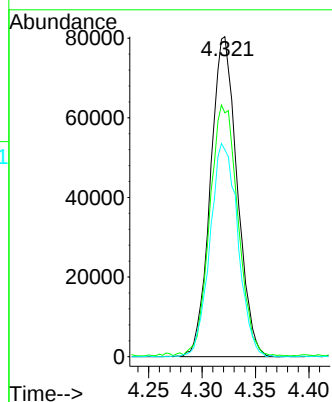
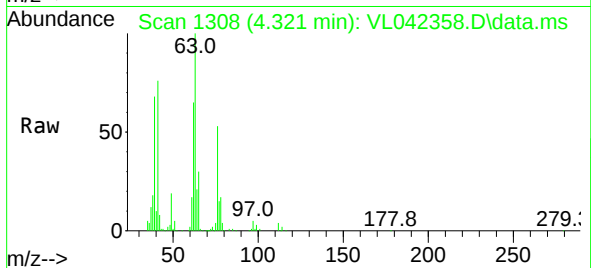
62 64.6 54.3 81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#40

1,4-Dioxane

Concen: 8.716 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. 0.010 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

Tgt Ion: 88 Resp: 67808

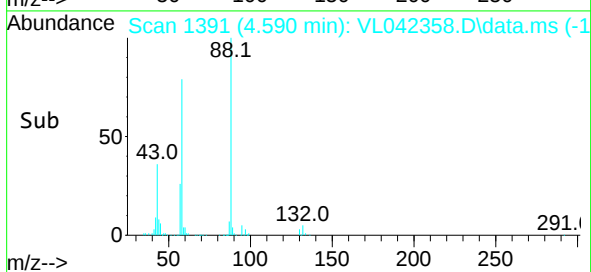
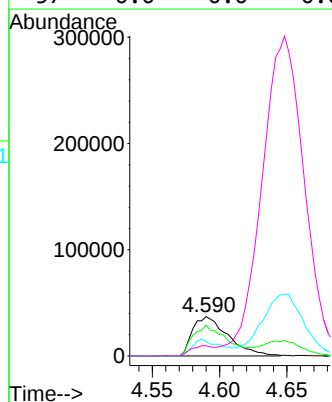
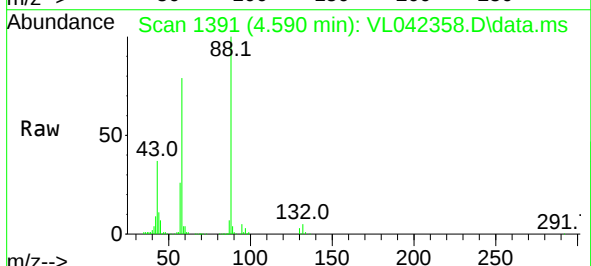
Ion Ratio Lower Upper

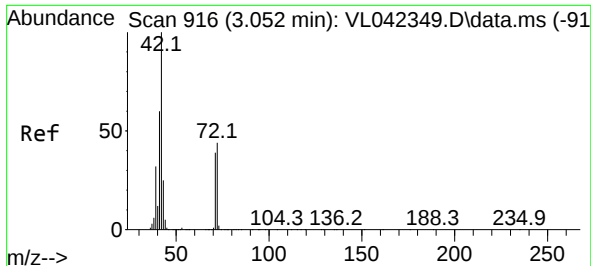
88 100

58 75.4 61.4 92.0

43 37.1 23.2 34.8

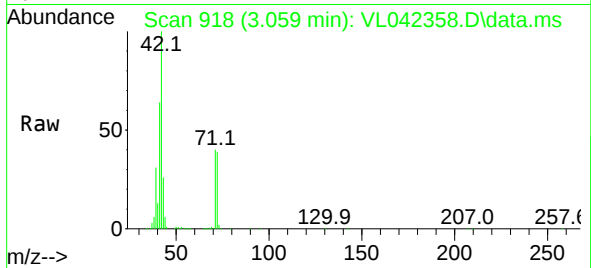
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.715 ppbv
RT: 3.059 min Scan# 916
Delta R.T. 0.007 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

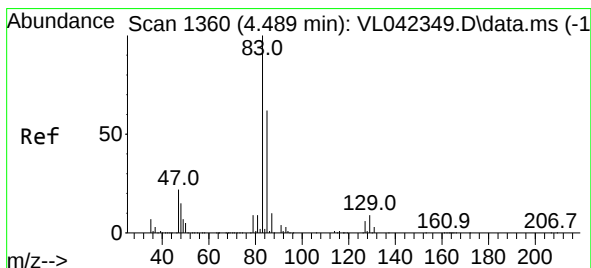
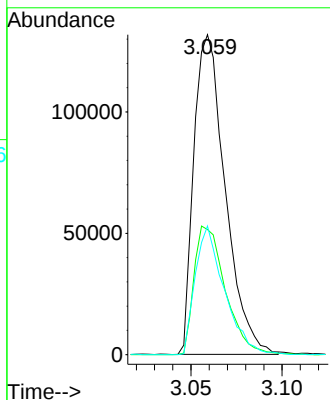
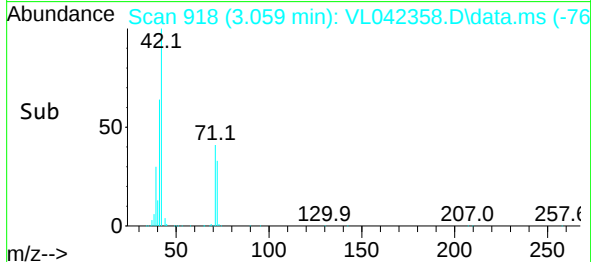
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



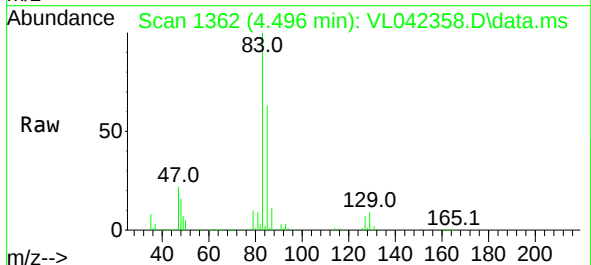
Tgt Ion: 42 Resp: 15777
Ion Ratio Lower Upper
42 100
72 40.3 32.3 48.5
71 37.7 31.4 47.2

Manual Integrations
APPROVED

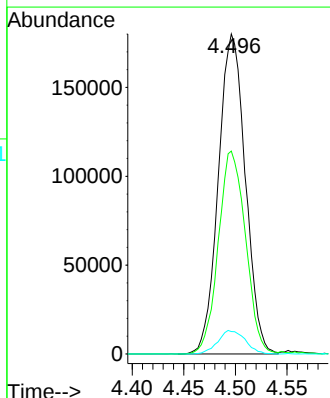
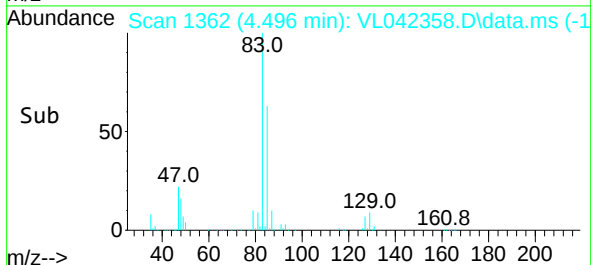
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

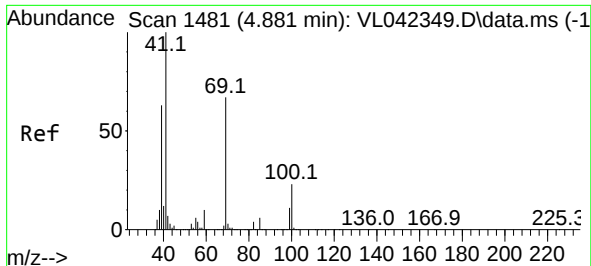


#42
Bromodichloromethane
Concen: 10.326 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.007 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



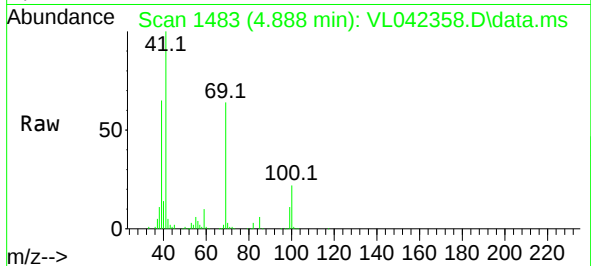
Tgt Ion: 83 Resp: 327652
Ion Ratio Lower Upper
83 100
85 63.3 49.7 74.5
127 7.0 5.1 7.7





#43
Methyl Methacrylate
Concen: 9.304 ppbv
RT: 4.888 min Scan# 1481
Delta R.T. 0.007 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

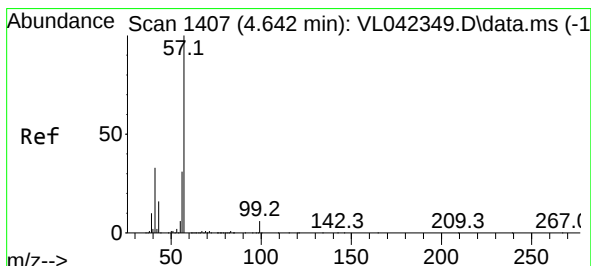
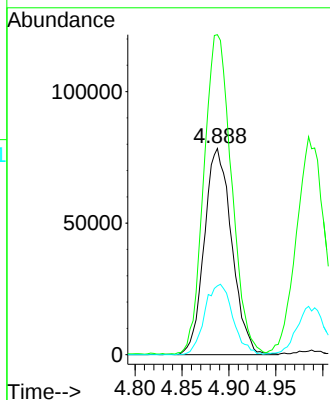
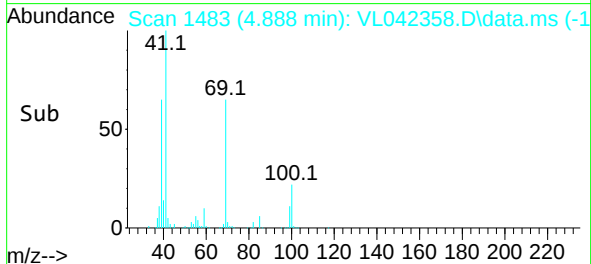
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



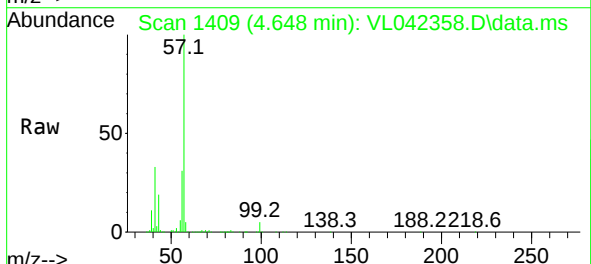
Tgt Ion: 69 Resp: 159292
Ion Ratio Lower Upper
69 100
41 155.9 118.6 177.8
100 35.1 28.2 42.2

Manual Integrations
APPROVED

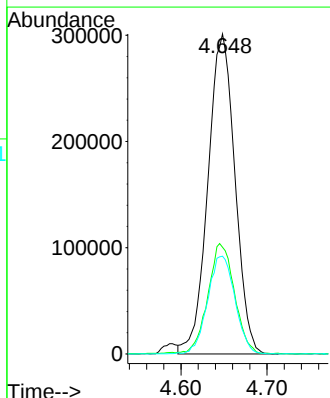
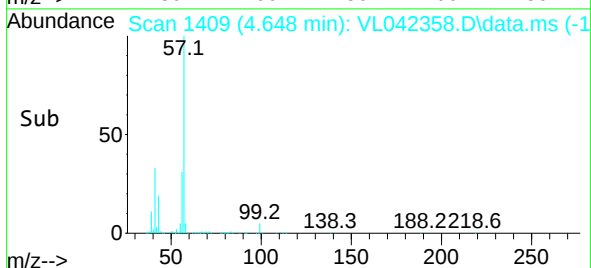
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

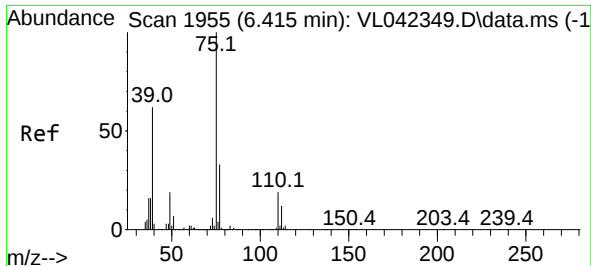


#44
2,2,4-Trimethylpentane
Concen: 10.019 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.007 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



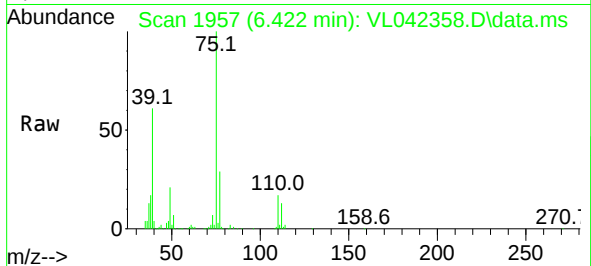
Tgt Ion: 57 Resp: 657377
Ion Ratio Lower Upper
57 100
41 34.2 27.2 40.8
56 31.1 25.7 38.5





#45
 t-1,3-Dichloropropene
 Concen: 9.864 ppbv
 RT: 6.422 min Scan# 1955
 Delta R.T. 0.007 min
 Lab File: VL042358.D
 Acq: 17 Apr 2025 15:39

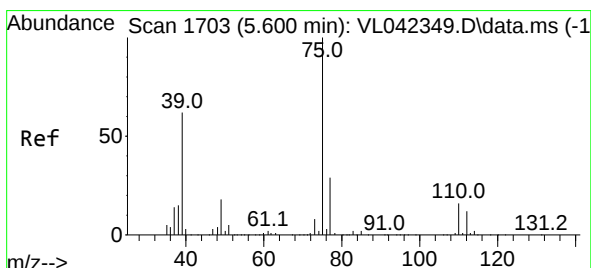
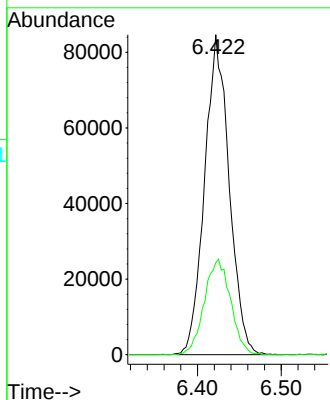
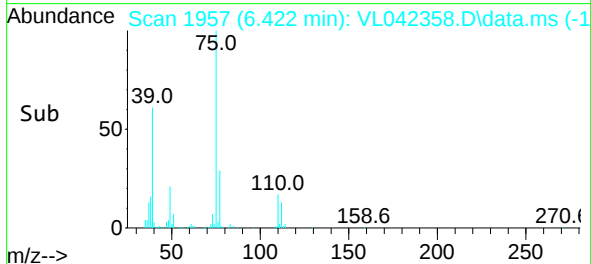
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01



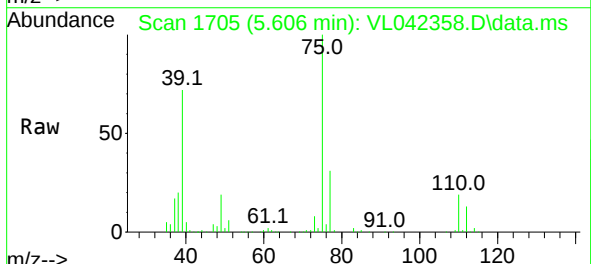
Tgt Ion: 75 Resp: 172514
 Ion Ratio Lower Upper
 75 100
 77 28.7 27.0 40.6

Manual Integrations
 APPROVED

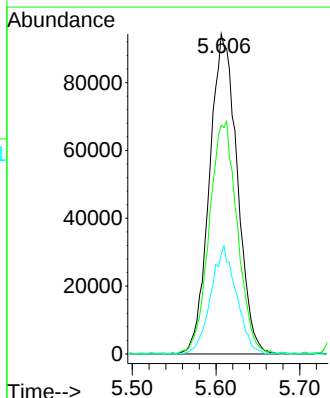
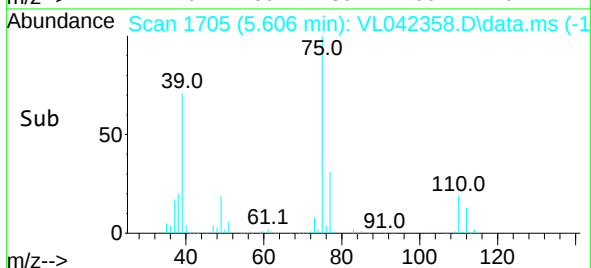
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

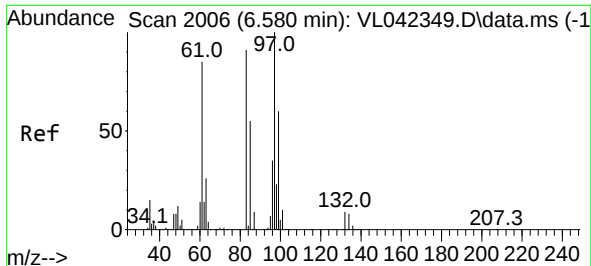


#46
 cis-1,3-Dichloropropene
 Concen: 10.133 ppbv
 RT: 5.606 min Scan# 1705
 Delta R.T. 0.007 min
 Lab File: VL042358.D
 Acq: 17 Apr 2025 15:39



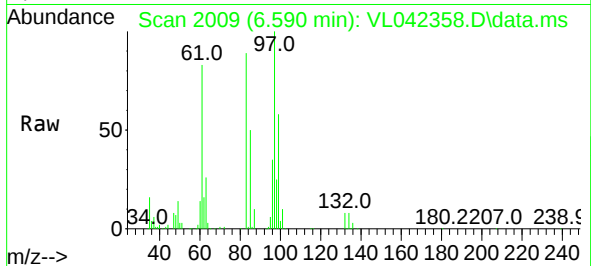
Tgt Ion: 75 Resp: 216901
 Ion Ratio Lower Upper
 75 100
 39 71.3 50.0 75.0
 77 31.1 23.0 34.6





#47
1,1,2-Trichloroethane
Concen: 10.161 ppbv
RT: 6.590 min Scan# 2006
Delta R.T. 0.010 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

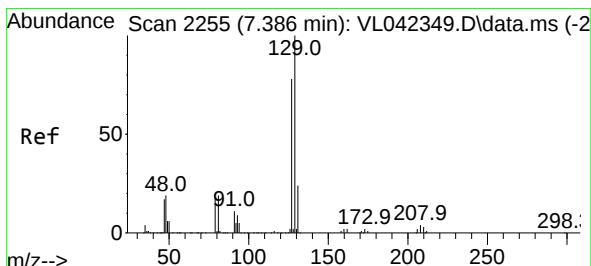
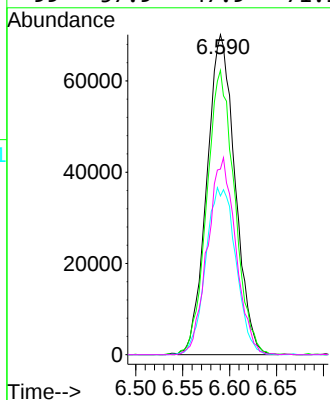
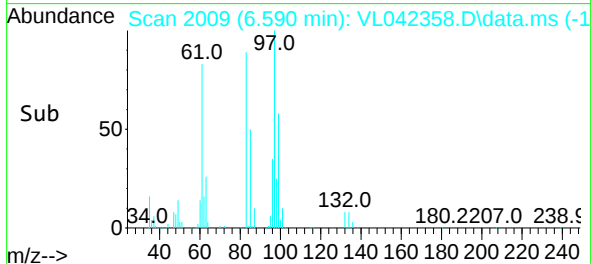
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



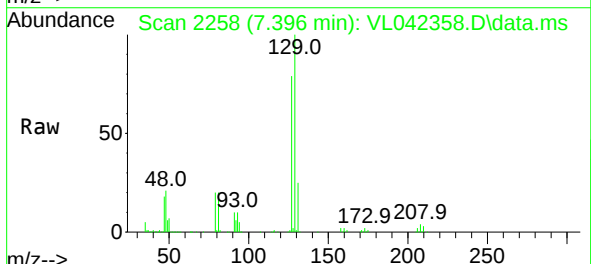
Tgt Ion: 97 Resp: 14654
Ion Ratio Lower Upper
97 100
83 88.7 72.8 109.2
85 49.6 44.2 66.4
99 57.9 47.9 71.9

Manual Integrations
APPROVED

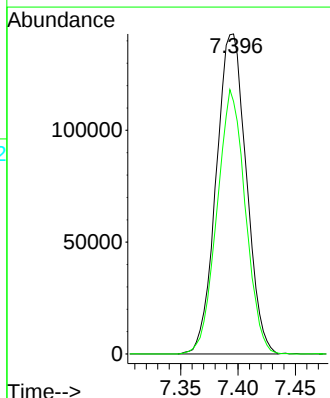
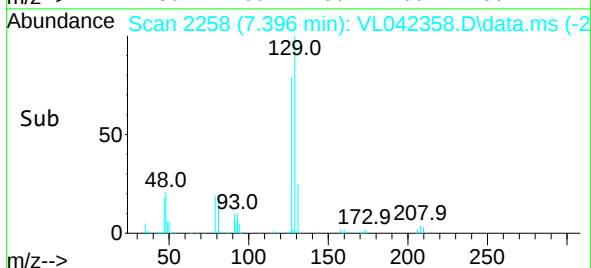
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

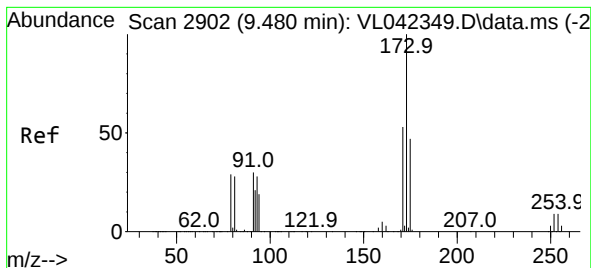


#48
Dibromochloromethane
Concen: 10.261 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.010 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



Tgt Ion:129 Resp: 261470
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.3





#49

Bromoform

Concen: 9.936 ppbv

RT: 9.487 min Scan# 2902

Delta R.T. 0.007 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

Instrument :

MSVOA_L

ClientSampleId :

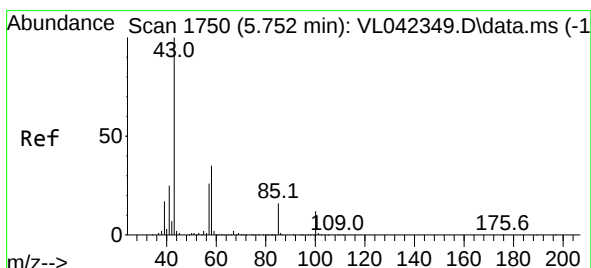
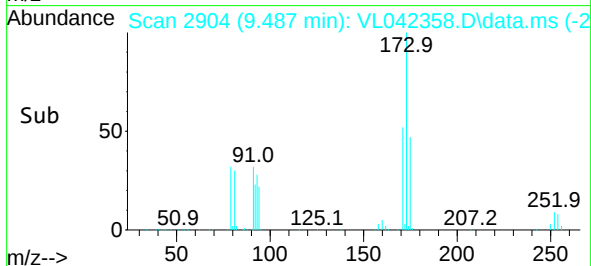
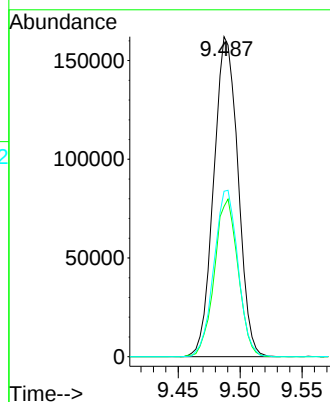
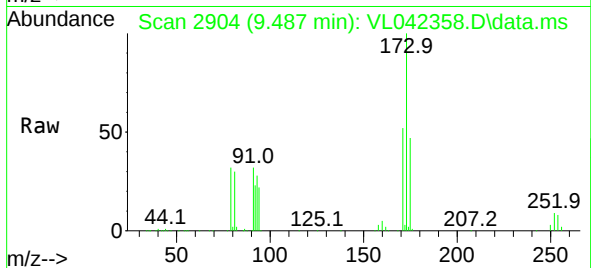
VL0417ABS01

Tgt Ion:173 Resp: 221372
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.2 57.2
 171 51.7 40.9 61.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#50

4-Methyl-2-Pentanone

Concen: 8.810 ppbv

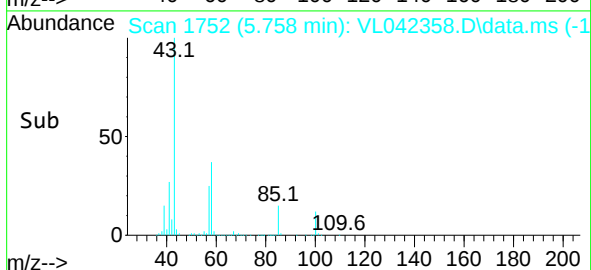
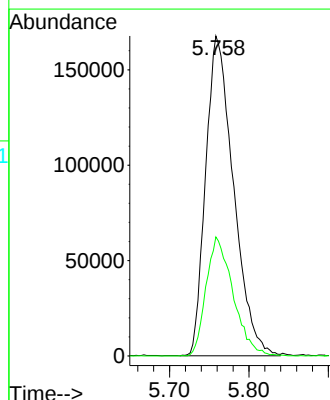
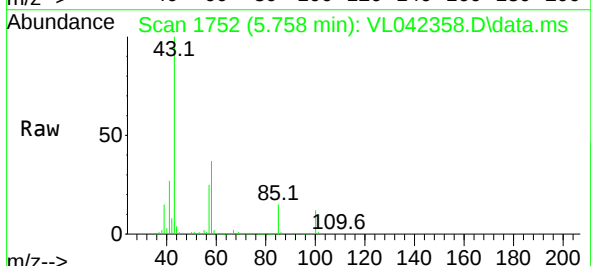
RT: 5.758 min Scan# 1752

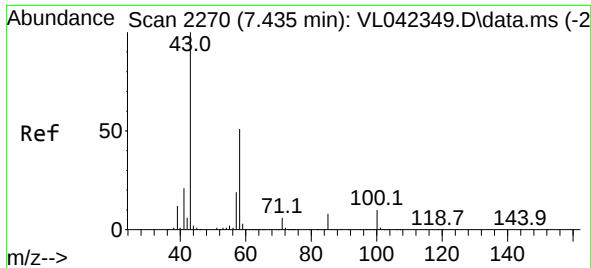
Delta R.T. 0.007 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

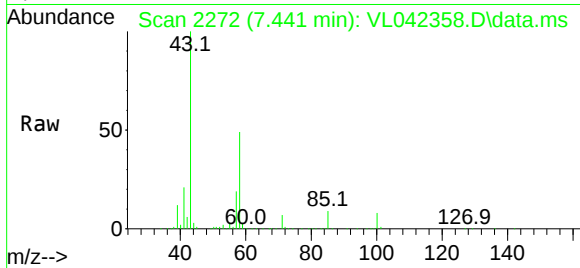
Tgt Ion: 43 Resp: 407804
 Ion Ratio Lower Upper
 43 100
 58 36.2 28.6 43.0





#51
2-Hexanone
Concen: 8.013 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

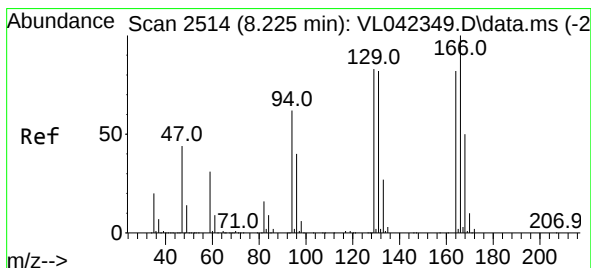
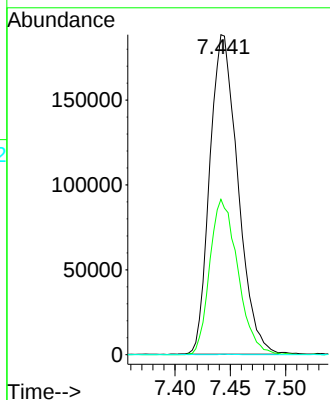
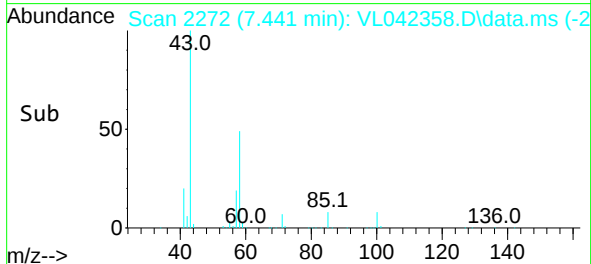
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



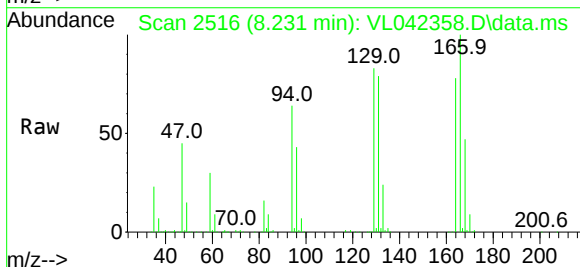
Tgt Ion: 43 Resp: 332640
Ion Ratio Lower Upper
43 100
58 48.6 40.2 60.4
98 0.1 0.1 0.1

Manual Integrations
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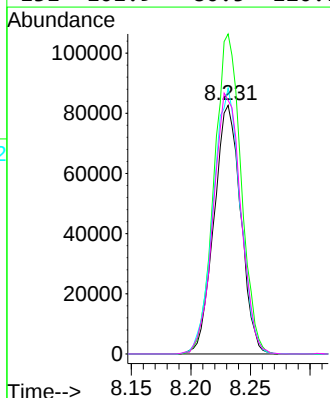
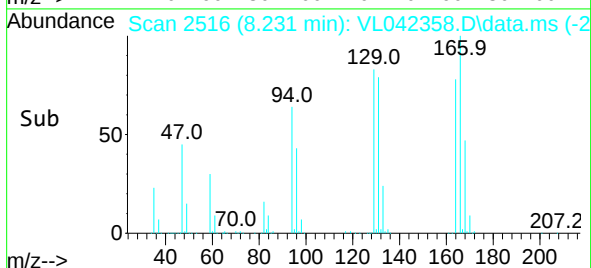
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

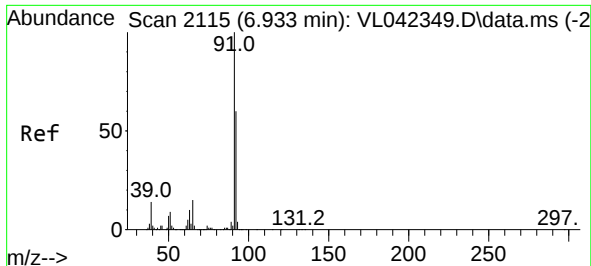


#52
Tetrachloroethene
Concen: 8.763 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.007 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



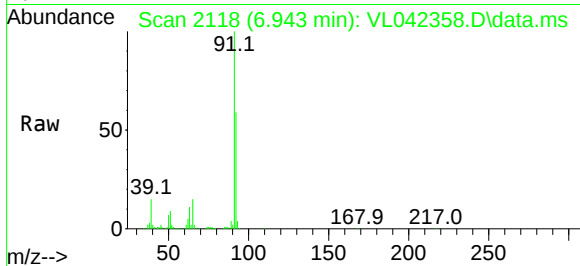
Tgt Ion:164 Resp: 128670
Ion Ratio Lower Upper
164 100
166 128.7 98.2 147.2
129 106.9 81.8 122.8
131 101.9 80.5 120.7





#53
Toluene
Concen: 9.818 ppbv
RT: 6.943 min Scan# 2115
Delta R.T. 0.010 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

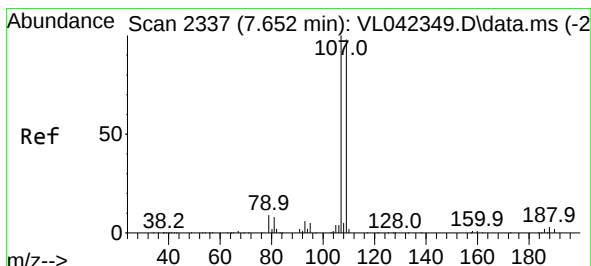
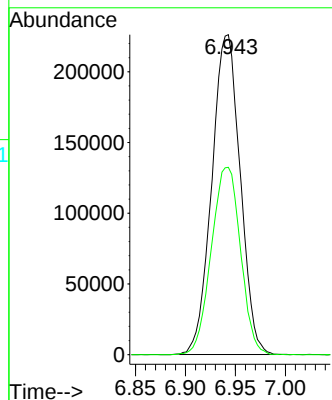
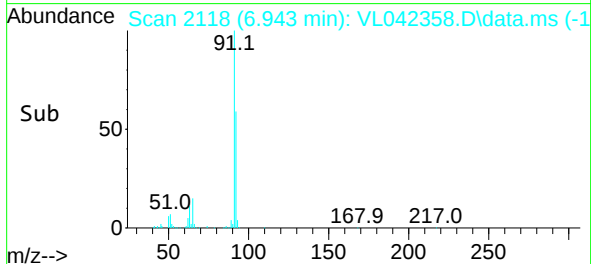
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



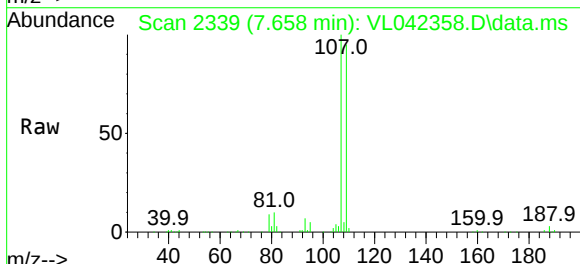
Tgt Ion: 91 Resp: 44758
Ion Ratio Lower Upper
91 100
92 60.3 48.2 72.4

Manual Integrations
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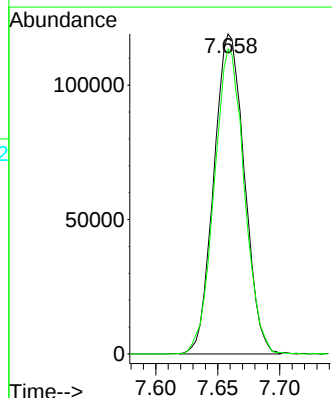
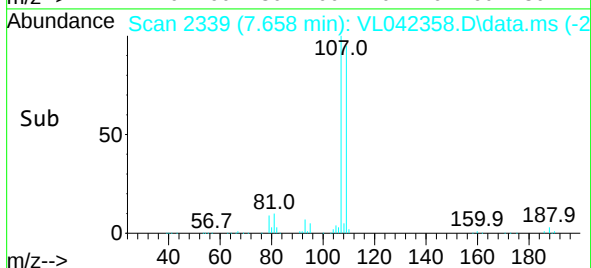
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

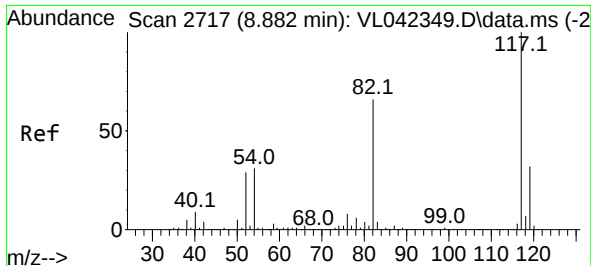


#54
1,2-Dibromoethane
Concen: 9.899 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.007 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



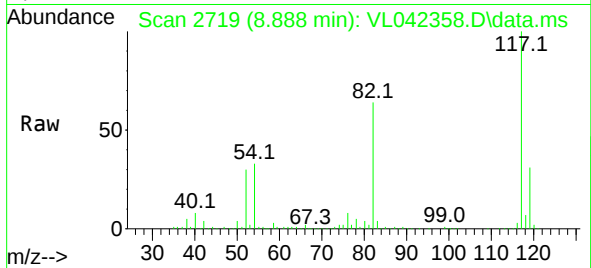
Tgt Ion:107 Resp: 204328
Ion Ratio Lower Upper
107 100
109 95.1 78.2 117.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2718
Delta R.T. 0.007 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

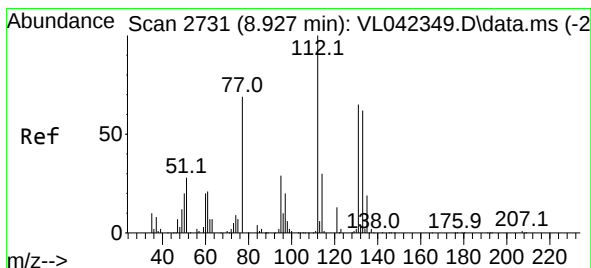
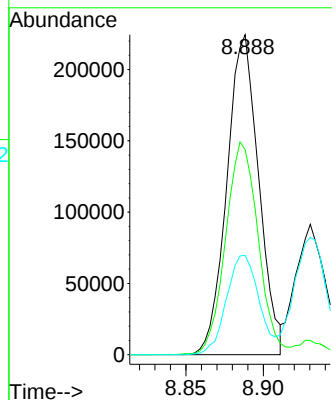
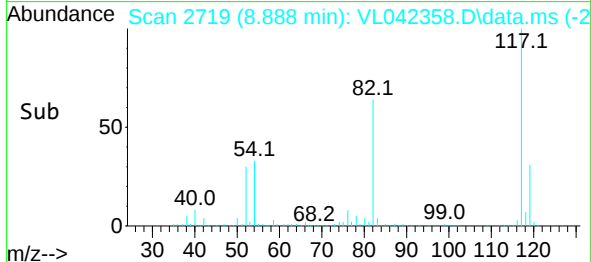
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



Tgt Ion:117 Resp: 32152
Ion Ratio Lower Upper
117 100
82 71.8 57.8 86.6
119 32.5 25.2 37.8

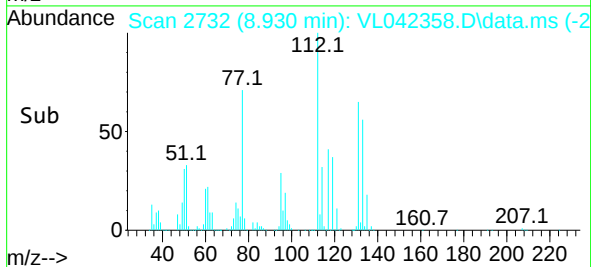
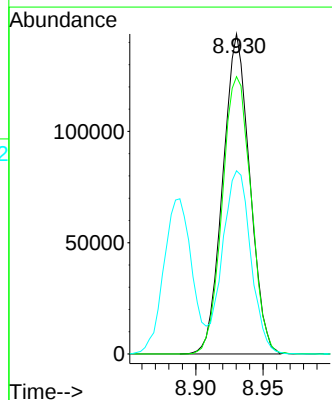
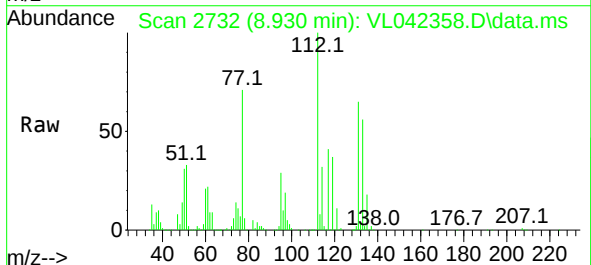
Manual Integrations
APPROVED

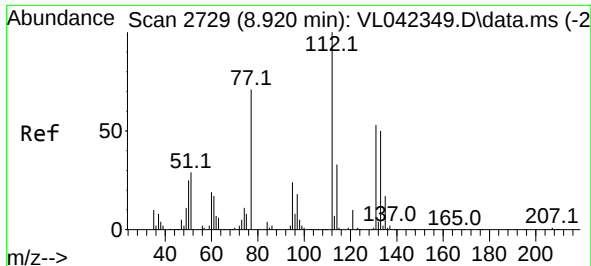
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 10.275 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

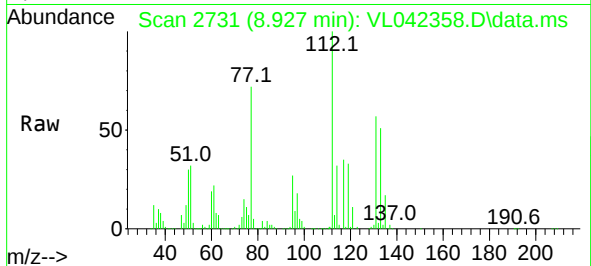
Tgt Ion:131 Resp: 199945
Ion Ratio Lower Upper
131 100
133 92.5 78.3 117.5
119 60.2 48.7 73.1





#57
Chlorobenzene
Concen: 10.022 ppbv
RT: 8.927 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

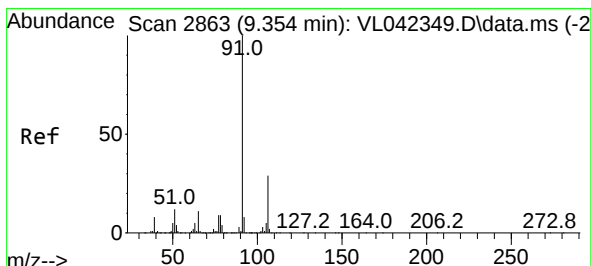
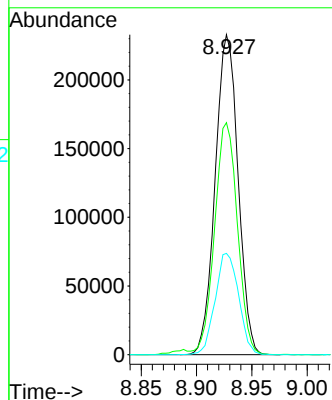
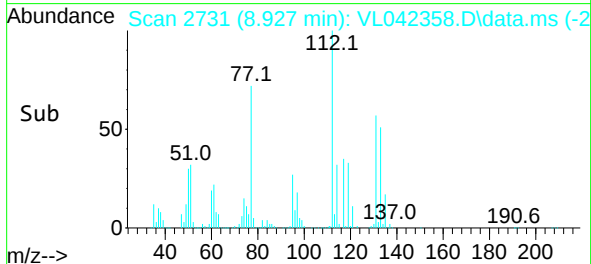
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



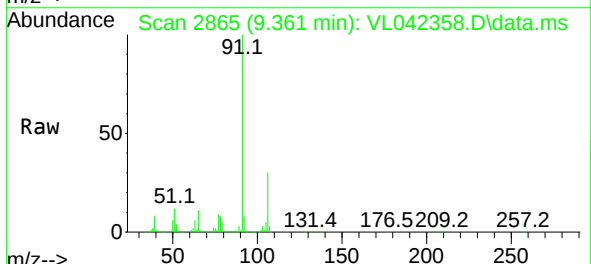
Tgt Ion: 112 Resp: 33514
Ion Ratio Lower Upper
112 100
77 72.4 57.8 86.6
114 31.7 29.3 35.9

Manual Integrations
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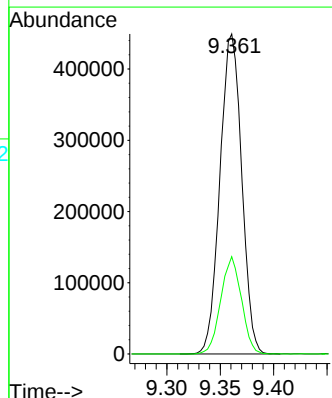
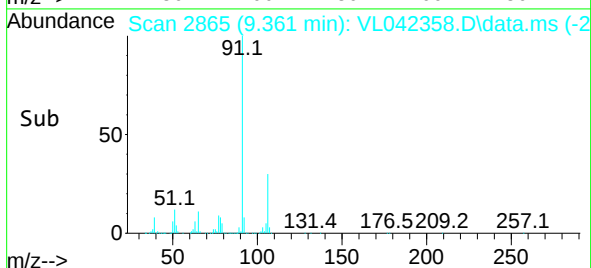
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

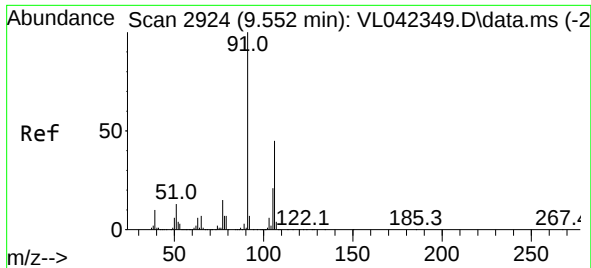


#58
Ethyl Benzene
Concen: 9.975 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.007 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



Tgt Ion: 91 Resp: 635446
Ion Ratio Lower Upper
91 100
106 30.4 23.0 34.4





#59

m/p-Xylene

Concen: 19.806 ppbv m

RT: 9.555 min Scan# 2924

Delta R.T. 0.003 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

Tgt Ion: 91 Resp: 101640

Ion Ratio Lower Upper

91 100

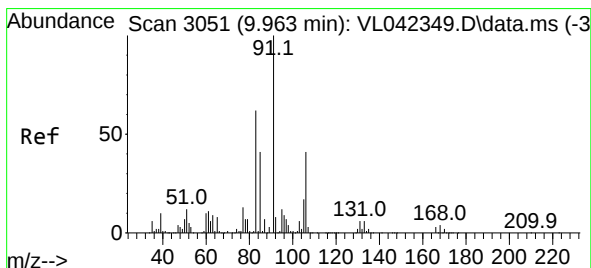
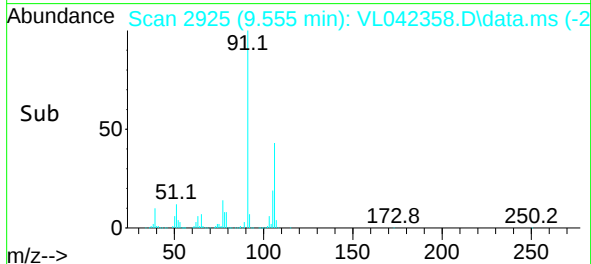
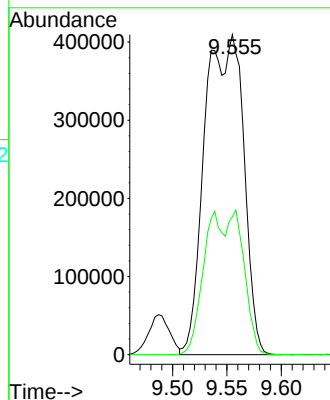
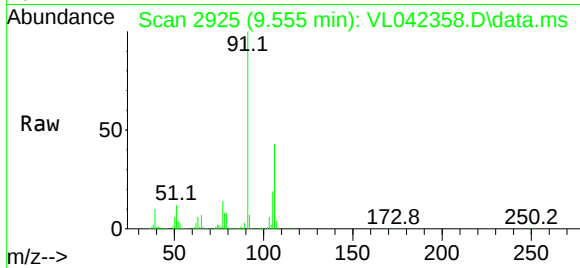
106 44.3 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#60

o-Xylene

Concen: 9.802 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.007 min

Lab File: VL042358.D

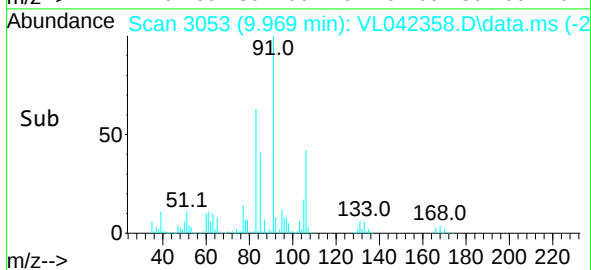
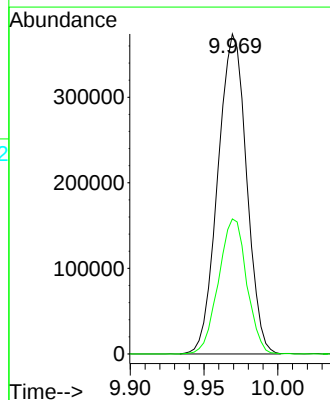
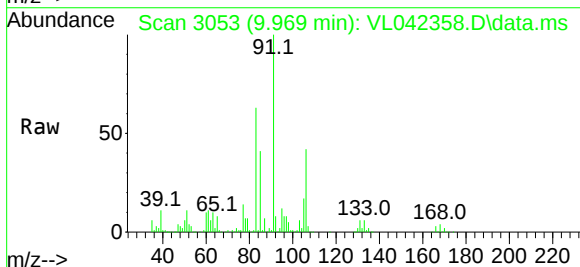
Acq: 17 Apr 2025 15:39

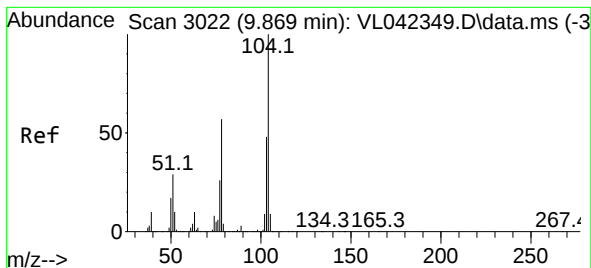
Tgt Ion: 91 Resp: 506535

Ion Ratio Lower Upper

91 100

106 41.4 21.1 63.4





#61

Styrene

Concen: 10.055 ppbv

RT: 9.875 min Scan# 3022

Delta R.T. 0.007 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

Instrument :

MSVOA_L

ClientSampleId :

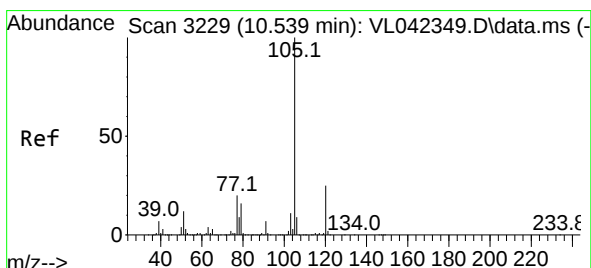
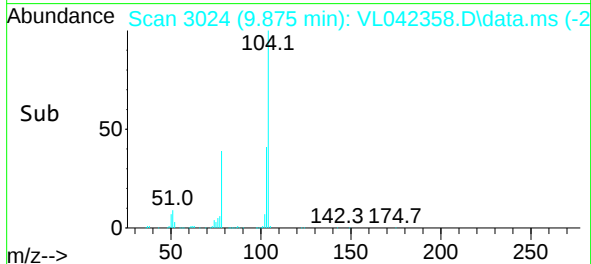
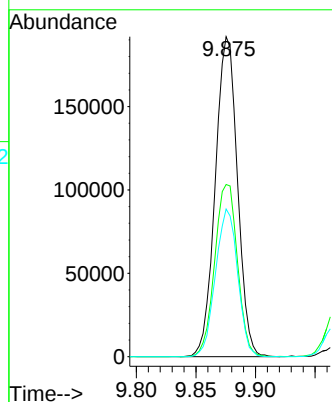
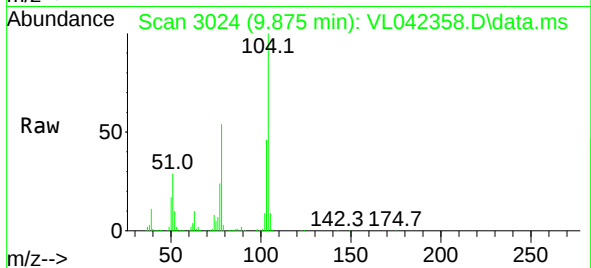
VL0417ABS01

Tgt Ion:	104	Resp:	24802
Ion Ratio	Lower	Upper	
104	100		
78	55.3	44.6	66.8
103	46.2	37.4	56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#62

Isopropylbenzene

Concen: 9.827 ppbv

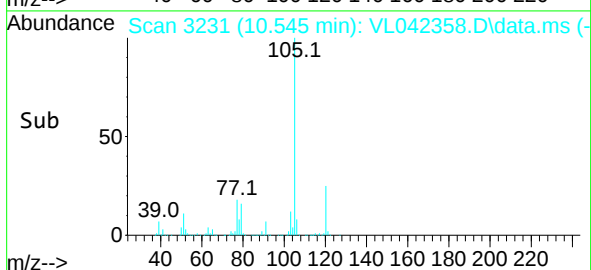
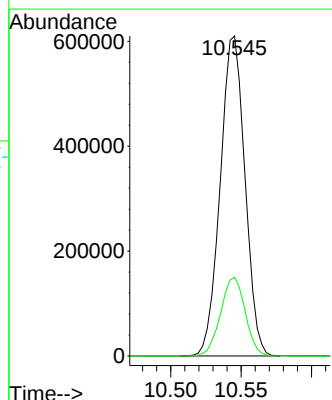
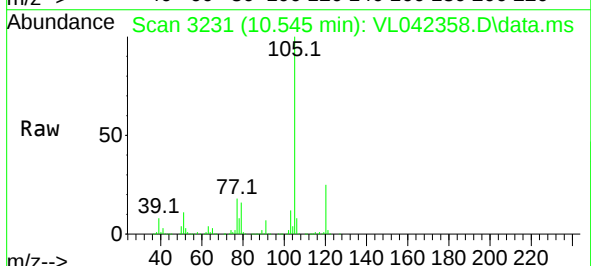
RT: 10.545 min Scan# 3231

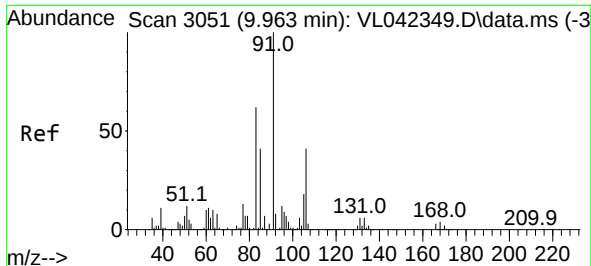
Delta R.T. 0.007 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

Tgt Ion:	105	Resp:	745571
Ion Ratio	Lower	Upper	
105	100		
120	24.5	19.8	29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 8.916 ppbv

RT: 9.969 min Scan# 3051

Delta R.T. 0.007 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

Tgt Ion: 83 Resp: 29858

Ion Ratio Lower Upper

83 100

131 9.4 4.5 13.7

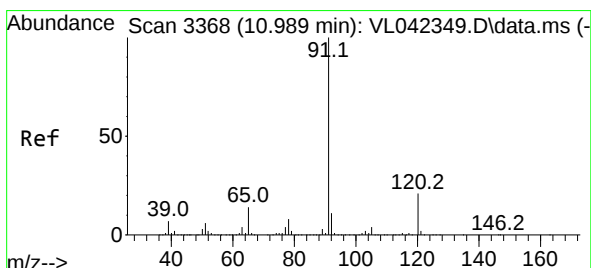
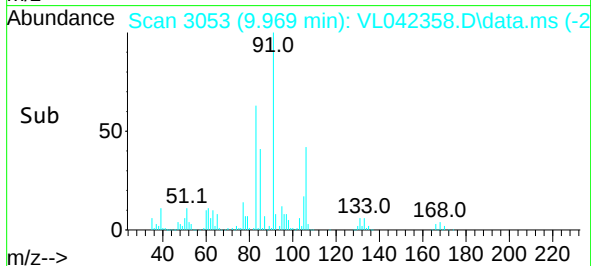
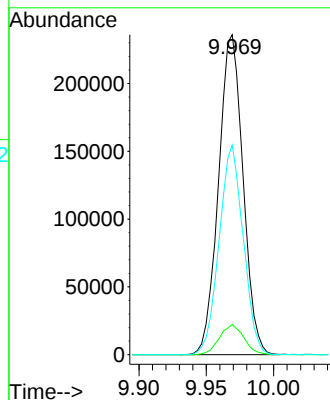
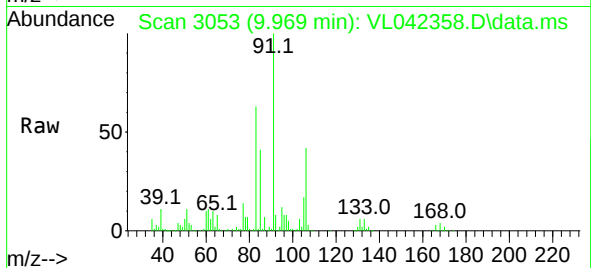
85 64.5 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#64

n-propylbenzene

Concen: 9.875 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.007 min

Lab File: VL042358.D

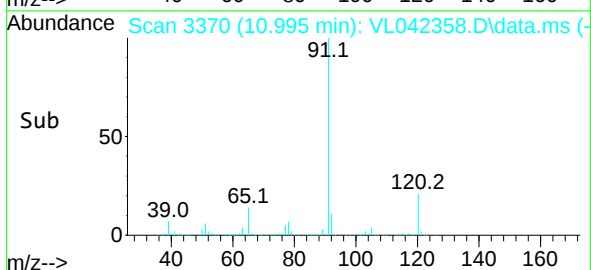
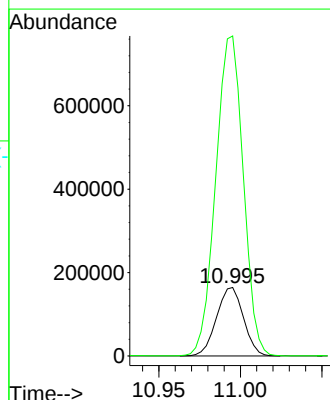
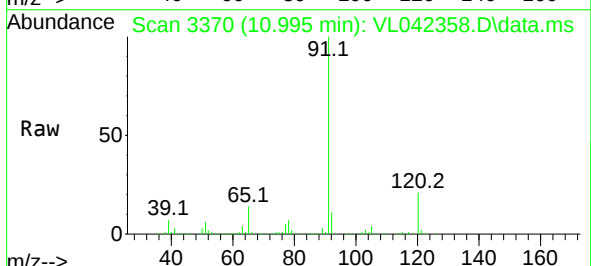
Acq: 17 Apr 2025 15:39

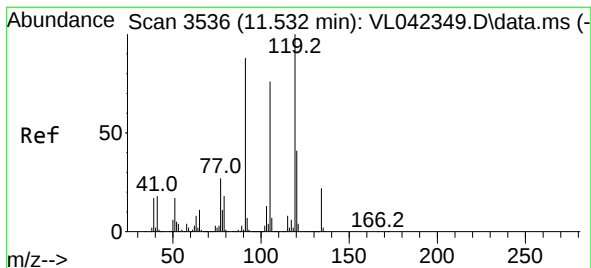
Tgt Ion:120 Resp: 188310

Ion Ratio Lower Upper

120 100

91 478.2 392.4 588.6





#65

tert-Butylbenzene

Concen: 9.589 ppbv

RT: 11.536 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

Tgt Ion:119 Resp: 66868

Ion Ratio Lower Upper

119 100

91 86.7 74.6 111.8

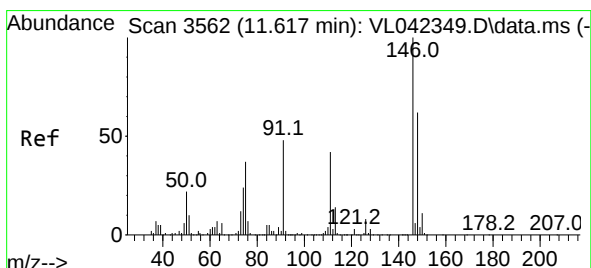
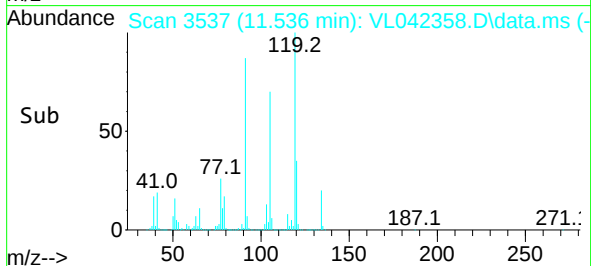
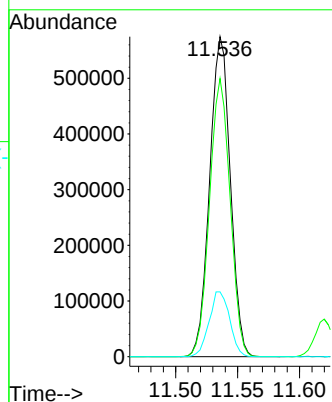
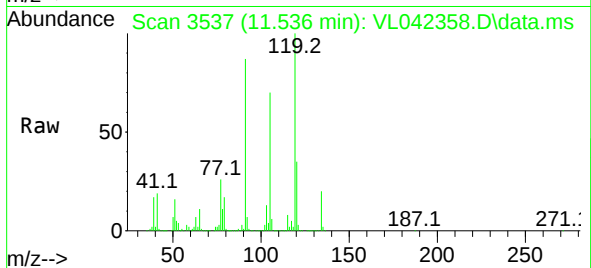
134 20.2 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#66

Benzyl Chloride

Concen: 9.012 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.003 min

Lab File: VL042358.D

Acq: 17 Apr 2025 15:39

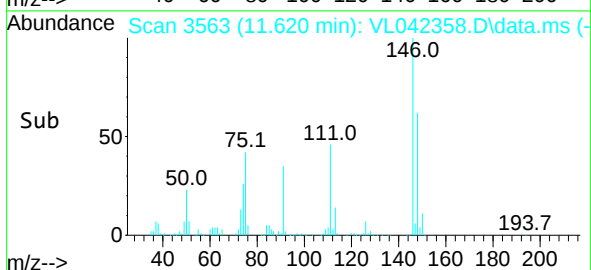
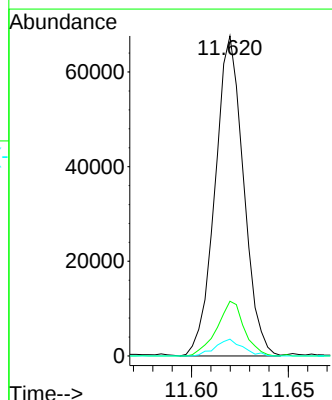
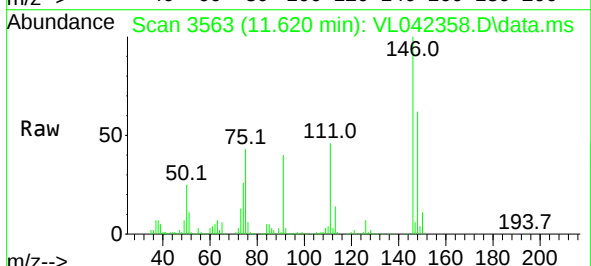
Tgt Ion: 91 Resp: 69058

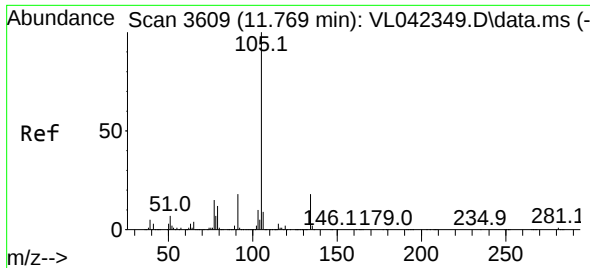
Ion Ratio Lower Upper

91 100

126 16.5 11.8 17.6

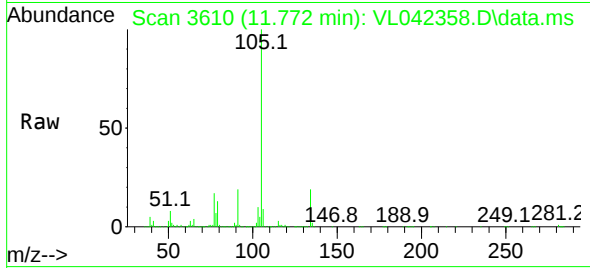
128 5.0 4.5 6.7





#67
 sec-Butylbenzene
 Concen: 9.592 ppbv
 RT: 11.772 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL042358.D
 Acq: 17 Apr 2025 15:39

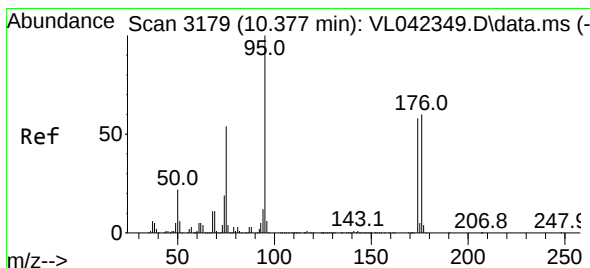
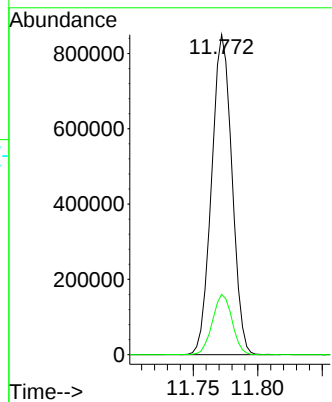
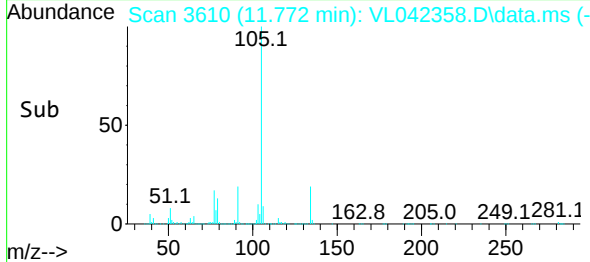
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01



Tgt Ion: 105 Resp: 930420
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.6 21.8

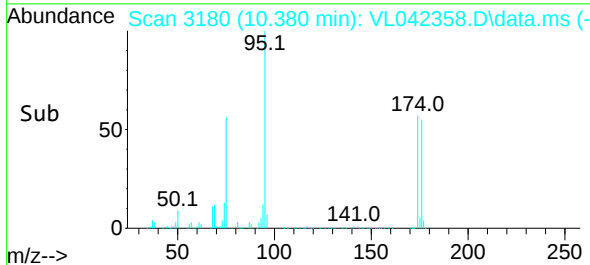
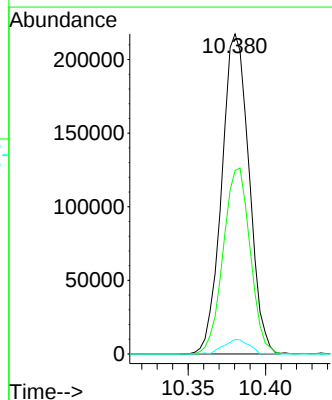
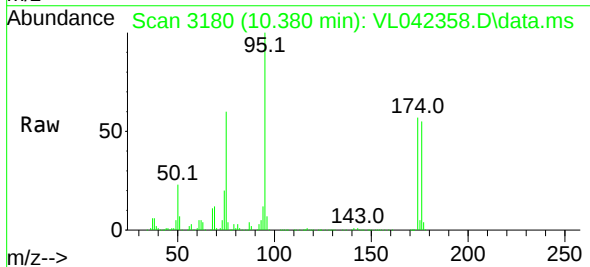
Manual Integrations
 APPROVED

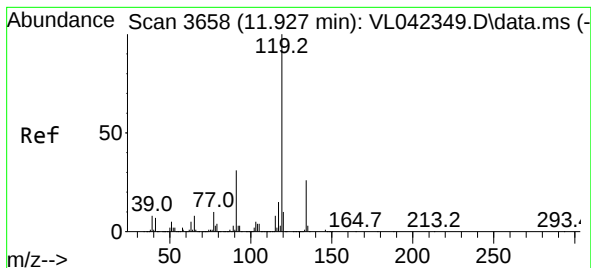
Reviewed By : Semsettin Yesilyurt 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.096 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.003 min
 Lab File: VL042358.D
 Acq: 17 Apr 2025 15:39

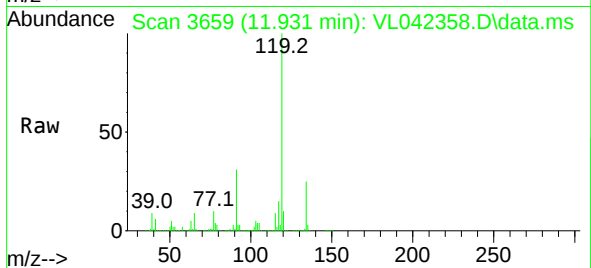
Tgt Ion: 95 Resp: 266757
 Ion Ratio Lower Upper
 95 100
 174 57.3 48.5 72.7
 175 4.3 3.7 5.5





#69
p-Isopropyltoluene
Concen: 9.441 ppbv
RT: 11.931 min Scan# 3659
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

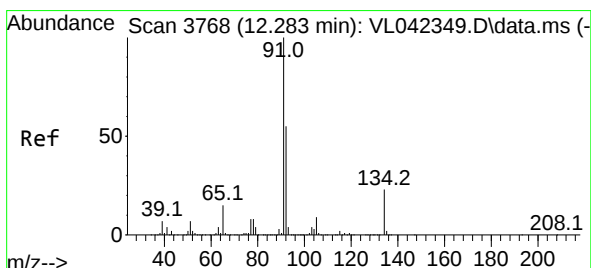
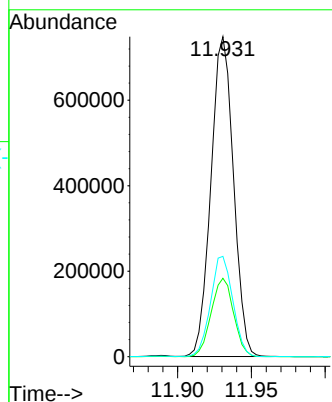
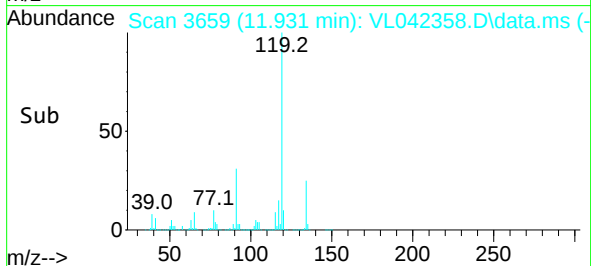
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



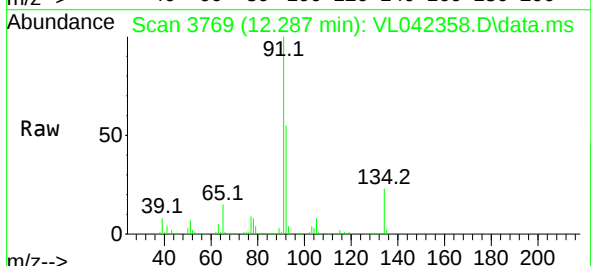
Tgt Ion: 119 Resp: 795532
Ion Ratio Lower Upper
119 100
134 24.5 20.0 30.0
91 31.2 24.4 36.6

Manual Integrations
APPROVED

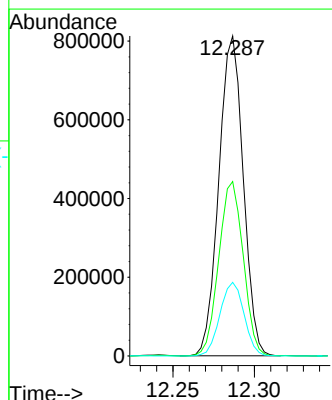
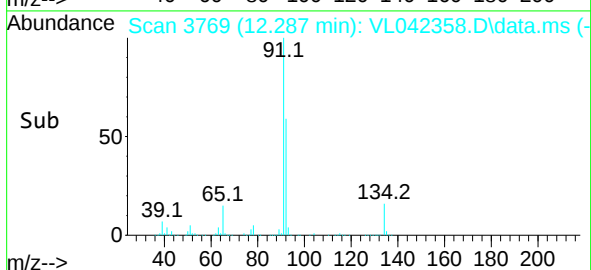
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

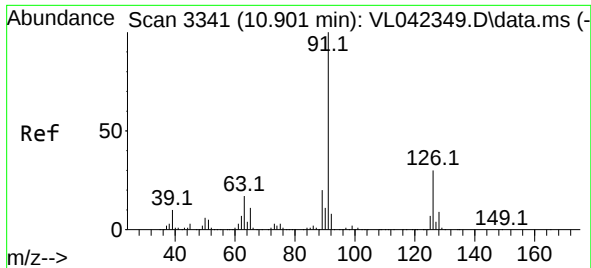


#70
n-Butylbenzene
Concen: 9.644 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



Tgt Ion: 91 Resp: 846427
Ion Ratio Lower Upper
91 100
92 54.9 44.2 66.4
134 22.7 18.2 27.4





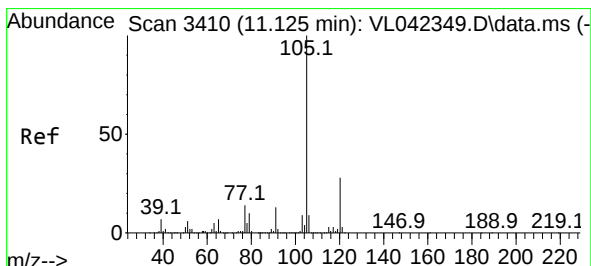
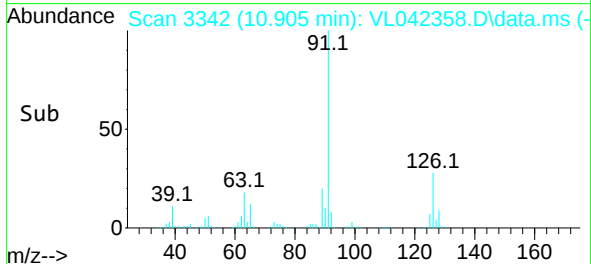
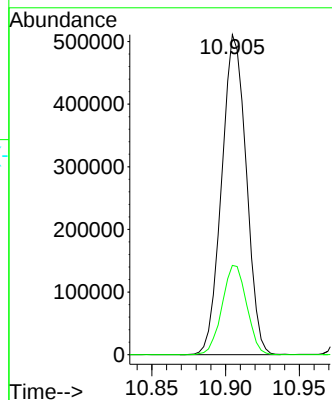
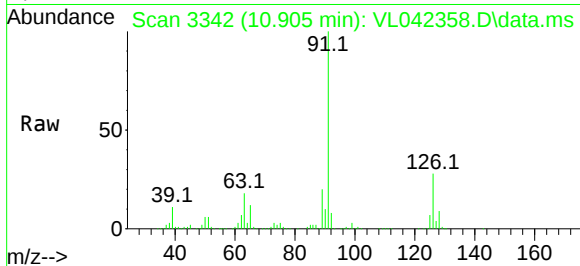
#71
2-Chlorotoluene
Concen: 9.934 ppbv
RT: 10.905 min Scan# 311
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion: 91 Resp: 591154
Ion Ratio Lower Upper
91 100
126 27.9 11.4 45.4

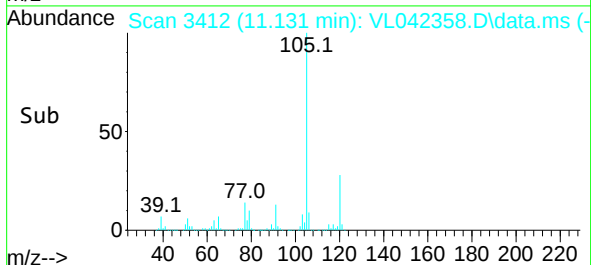
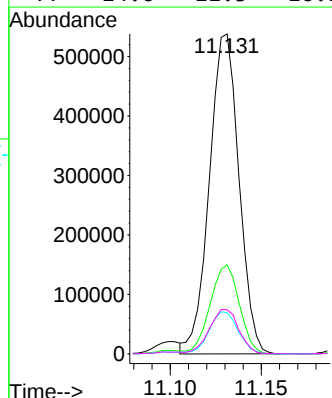
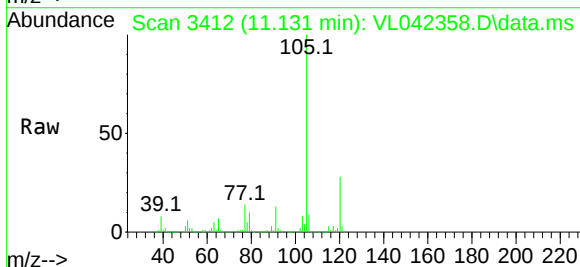
Manual Integrations
APPROVED

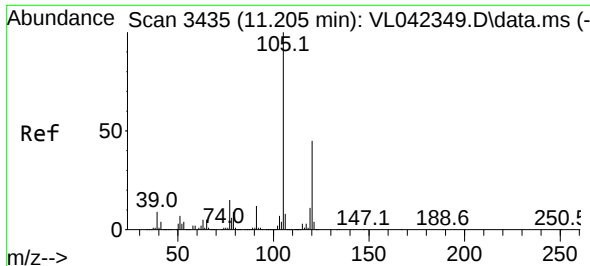
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#72
4-Ethyltoluene
Concen: 9.606 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.007 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

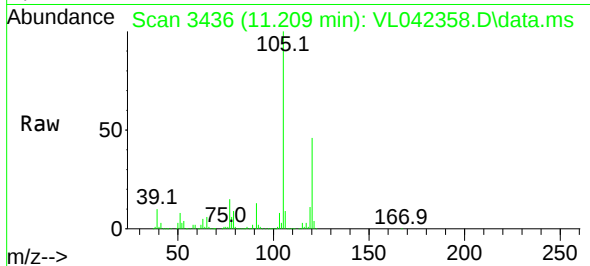
Tgt Ion:105 Resp: 606879
Ion Ratio Lower Upper
105 100
120 28.6 23.2 34.8
91 13.5 10.4 15.6
77 14.6 11.3 16.9





#73
1,3,5-Trimethylbenzene
Concen: 9.557 ppbv
RT: 11.209 min Scan# 3435
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

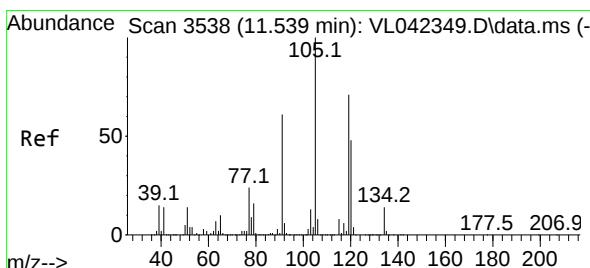
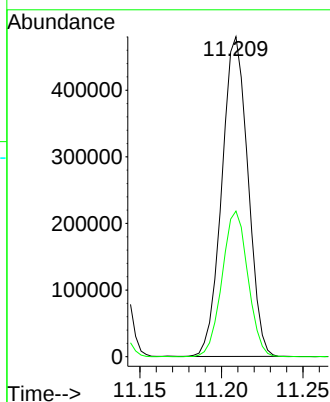
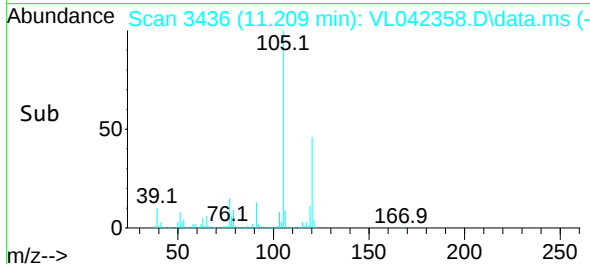
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



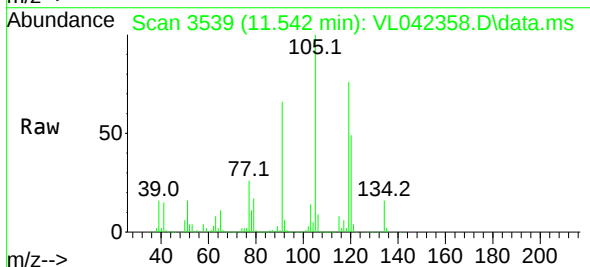
Tgt Ion:105 Resp: 533060
Ion Ratio Lower Upper
105 100
120 45.6 35.6 53.4

Manual Integrations
APPROVED

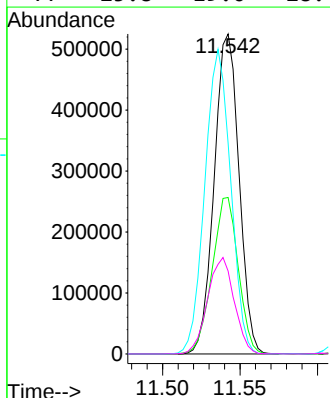
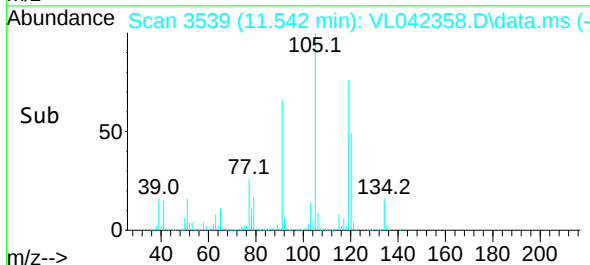
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

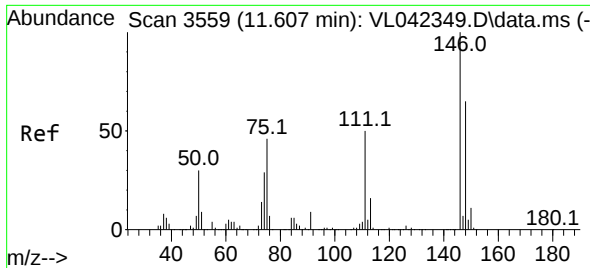


#74
1,2,4-Trimethylbenzene
Concen: 8.976 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



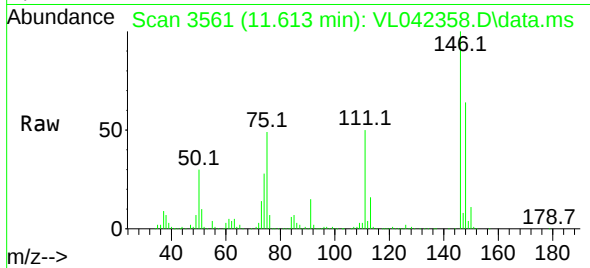
Tgt Ion:105 Resp: 584747
Ion Ratio Lower Upper
105 100
120 48.9 38.1 57.1
91 65.8 48.8 73.2
77 25.8 19.0 28.4





#75
1,3-Dichlorobenzene
Concen: 9.474 ppbv
RT: 11.613 min Scan# 3559
Delta R.T. 0.007 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

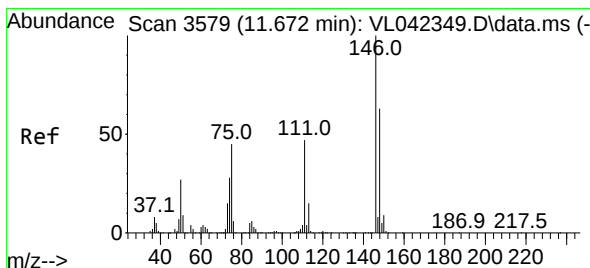
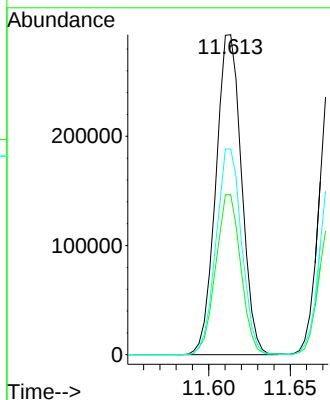
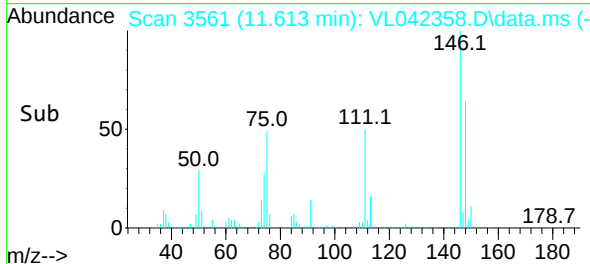
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



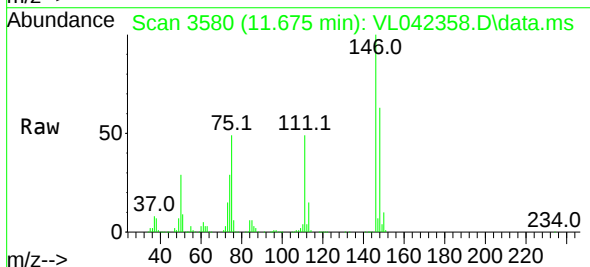
Tgt Ion:146 Resp: 32081
Ion Ratio Lower Upper
146 100
111 48.8 24.3 72.8
148 64.0 31.6 94.8

Manual Integrations
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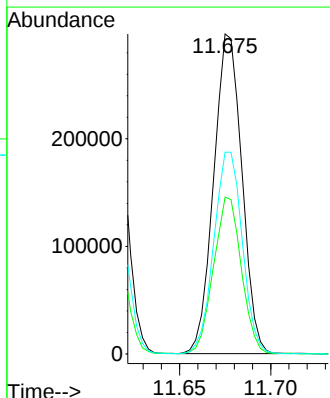
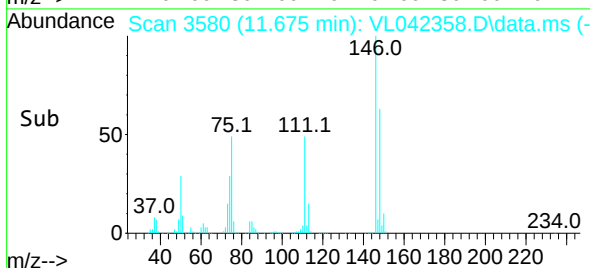
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

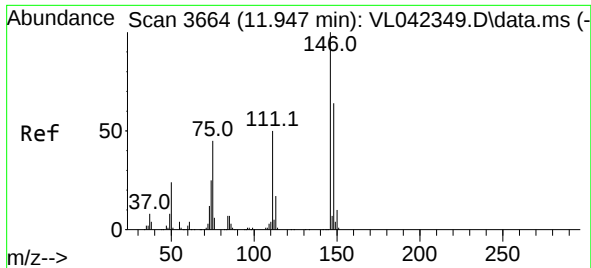


#76
1,4-Dichlorobenzene
Concen: 9.384 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



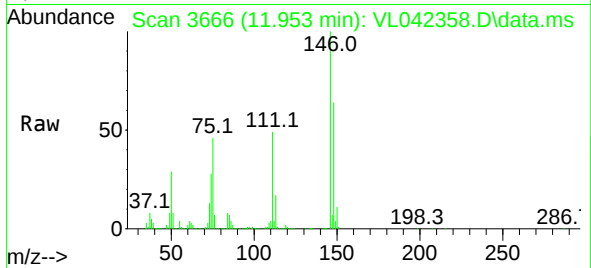
Tgt Ion:146 Resp: 319376
Ion Ratio Lower Upper
146 100
111 48.6 24.2 72.6
148 64.1 32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 9.459 ppbv
RT: 11.953 min Scan# 311460
Delta R.T. 0.007 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

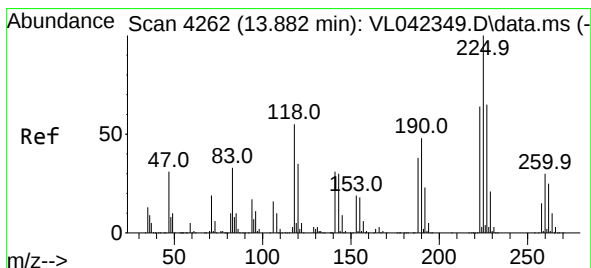
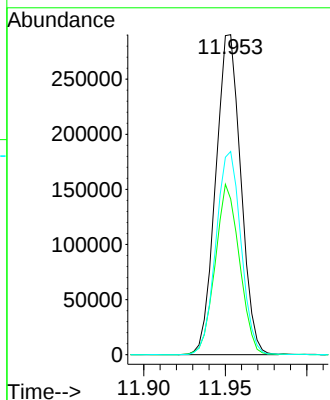
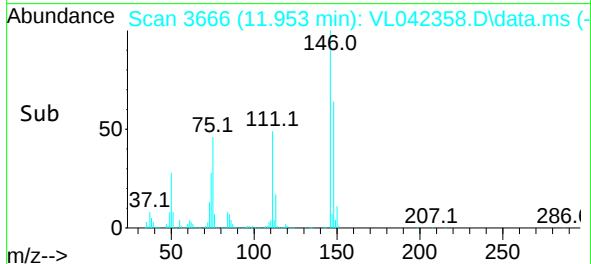
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



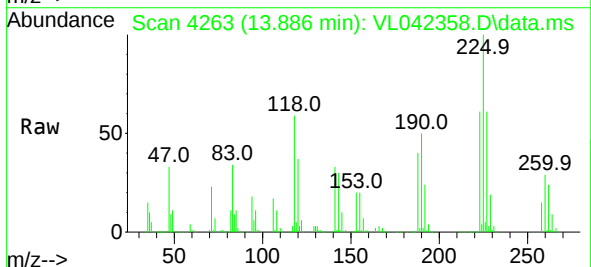
Tgt Ion:146 Resp: 311460
Ion Ratio Lower Upper
146 100
111 51.4 25.3 75.9
148 63.4 31.5 94.5

Manual Integrations
APPROVED

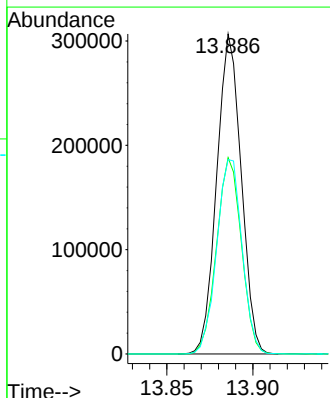
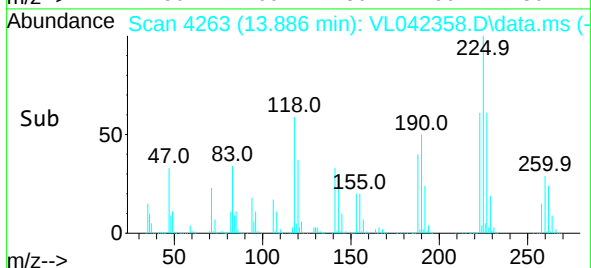
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

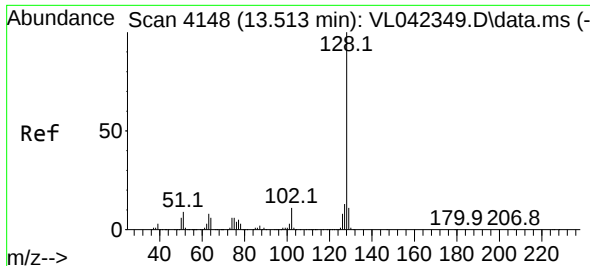


#78
Hexachloro-1,3-Butadiene
Concen: 9.124 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



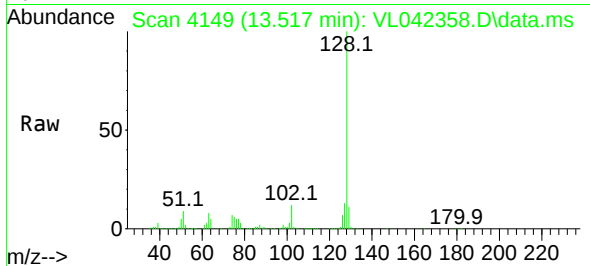
Tgt Ion:225 Resp: 303379
Ion Ratio Lower Upper
225 100
223 62.3 50.3 75.5
227 62.9 51.5 77.3





#79
Naphthalene
Concen: 8.999 ppbv
RT: 13.517 min Scan# 4148
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39

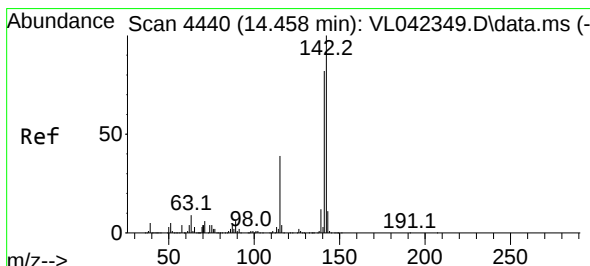
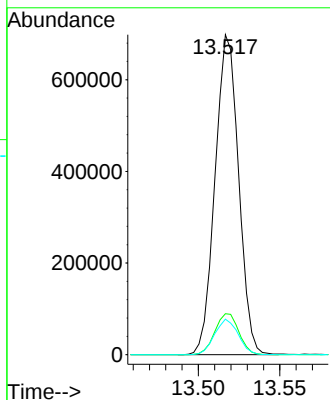
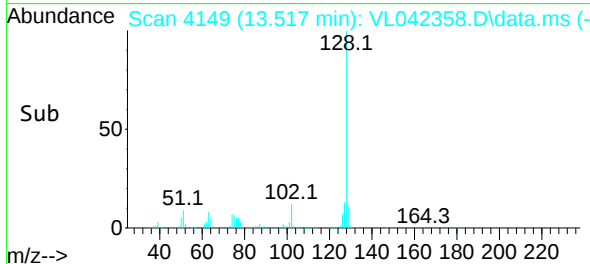
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01



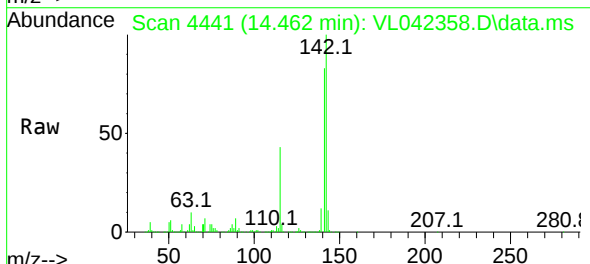
Tgt Ion:128 Resp: 701010
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 11.1 8.6 12.8

Manual Integrations
APPROVED

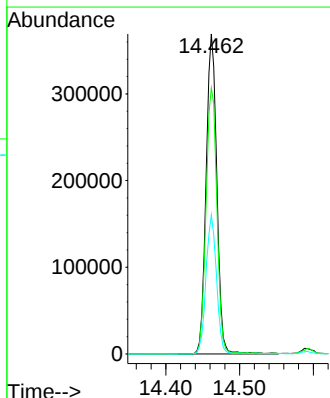
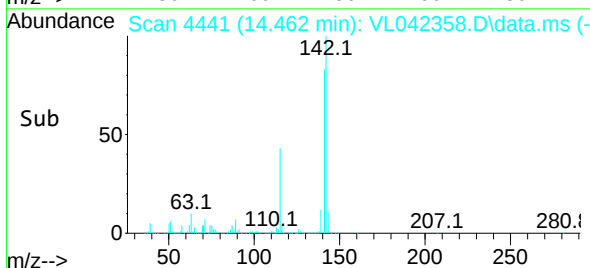
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

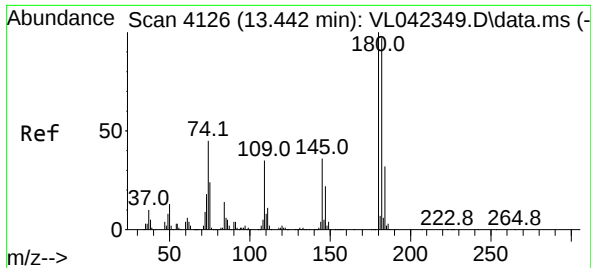


#80
Naphthalene,2-methyl-
Concen: 8.331 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL042358.D
Acq: 17 Apr 2025 15:39



Tgt Ion:142 Resp: 369891
Ion Ratio Lower Upper
142 100
141 85.0 66.8 100.2
115 42.8 33.4 50.2





#81

1,2,4-Trichlorobenzene

Concen: 9.417 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042358.D

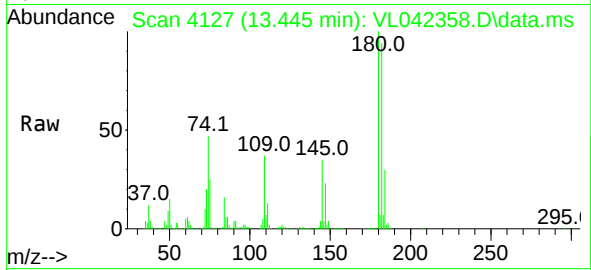
Acq: 17 Apr 2025 15:39

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01



Tgt Ion:180 Resp: 31500

Ion Ratio Lower Upper

180 100

182 94.8 76.8 115.2

184 30.1 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025

