

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040225\
 Data File : VL042211.D
 Acq On : 02 Apr 2025 08:37
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/03/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Apr 03 01:41:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	161260	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	460090	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.863	117	420497	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.361 95 348908 10.104 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.493	85	267318	11.227	ppbv	99
3) Chlorodifluoromethane	1.470	51	269207	11.068	ppbv	97
4) Chloromethane	1.528	50	105392	10.831	ppbv	99
5) Vinyl Chloride	1.574	62	98946	9.596	ppbv	96
6) Bromomethane	1.661	94	45763	10.378	ppbv	96
7) Chloroethane	1.697	64	39291	10.059	ppbv	92
8) Dichlorotetrafluoroethane	1.548	85	223786	11.037	ppbv	95
9) Propene	1.477	41	105335	9.448	ppbv	98
10) Heptane	4.956	43	304455	10.267	ppbv	100
11) Trichlorofluoromethane	1.868	101	259016	11.180	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.130	101	197679	10.381	ppbv	97
13) Ethanol	1.713	45	5425	5.147	ppbv	96
14) Bromoethene	1.774	108	74043	10.150	ppbv	99
15) Acetone	1.826	43	217441	9.641	ppbv	98
16) 1,3-Butadiene	1.603	39	105246	9.556	ppbv	98
17) tert-Butyl alcohol	2.033	59	280076	9.971	ppbv	99
18) 1,1-Dichloroethene	2.023	96	90865	10.207	ppbv	97
19) Isopropyl Alcohol	1.878	45	126448	9.937	ppbv	98
20) Methylene Chloride	2.053	84	82026	9.765	ppbv	98
21) Allyl Chloride	2.085	41	160348	10.081	ppbv	98
22) trans-1,2-Dichloroethene	2.331	96	101863	9.900	ppbv	99
23) Vinyl Acetate	2.454	43	84973	8.705	ppbv #	96
24) 1,1-Dichloroethane	2.399	63	201368	10.558	ppbv	98
25) Ethyl Acetate	2.823	43	626906	10.710	ppbv	99
26) Hexane	2.813	57	247723	10.957	ppbv	98
27) Carbon Disulfide	2.140	76	245604	10.130	ppbv	100
28) Methyl tert-Butyl Ether	2.428	73	136685	9.710	ppbv	96
29) Chloroform	2.836	83	380694	11.505	ppbv	100
30) Cyclohexane	3.839	84	204664	10.425	ppbv	97
31) cis-1,2-Dichloroethene	2.710	61	247426	10.779	ppbv	96
32) 1,1,1-Trichloroethane	3.354	97	403528	10.652	ppbv	99
34) 2-Butanone	2.545	43	354111	10.614	ppbv	100
35) Carbon Tetrachloride	3.742	117	407397	11.335	ppbv	99
36) Benzene	3.639	78	483334	10.597	ppbv	98
37) 1,2-Dichloroethane	3.205	62	307462	11.774	ppbv	98
38) Trichloroethene	4.525	130	199094	10.461	ppbv	97
39) 1,2-Dichloropropane	4.292	63	177282	10.672	ppbv	92
40) 1,4-Dioxane	4.561	88	87524	9.927	ppbv #	92
41) Tetrahydrofuran	3.040	42	200859	10.455	ppbv	100
42) Bromodichloromethane	4.470	83	416274	11.563	ppbv	99
43) Methyl Methacrylate	4.859	69	192210	9.954	ppbv	98
44) 2,2,4-Trimethylpentane	4.616	57	817788	10.610	ppbv	98
45) t-1,3-Dichloropropene	6.386	75	212796	10.272	ppbv	97

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 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Apr 03 01:41:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

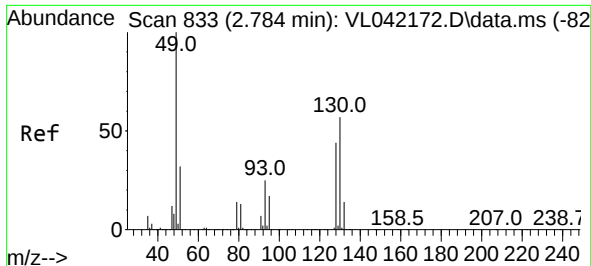
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

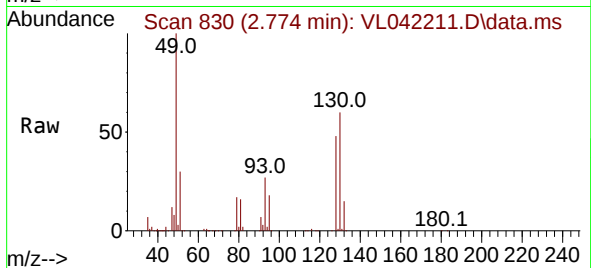
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.574	75	262520	10.338	ppbv	98
47) 1,1,2-Trichloroethane	6.555	97	194135	11.056	ppbv	92
48) Dibromochloromethane	7.367	129	342757	11.518	ppbv	99
49) Bromoform	9.468	173	294684	11.030	ppbv	99
50) 4-Methyl-2-Pentanone	5.726	43	505465	9.560	ppbv	98
51) 2-Hexanone	7.416	43	401955	9.258	ppbv #	97
52) Tetrachloroethene	8.205	164	176588	9.762	ppbv	92
53) Toluene	6.911	91	566070	10.469	ppbv	100
54) 1,2-Dibromoethane	7.633	107	273624	11.178	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.908	131	264557	11.430	ppbv	99
57) Chlorobenzene	8.905	112	446293	11.190	ppbv	96
58) Ethyl Benzene	9.338	91	806990	10.804	ppbv	100
59) m/p-Xylene	9.536	91	1314419m	22.039	ppbv	
60) o-Xylene	9.947	91	660713	11.051	ppbv	99
61) Styrene	9.856	104	317396	10.730	ppbv	99
62) Isopropylbenzene	10.526	105	994497	11.123	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.947	83	400095	11.014	ppbv	99
64) n-propylbenzene	10.976	120	257771	11.200	ppbv	98
65) tert-Butylbenzene	11.520	119	895028	10.824	ppbv	98
66) Benzyl Chloride	11.604	91	76249	8.690	ppbv	99
67) sec-Butylbenzene	11.756	105	1246274	10.843	ppbv	100
69) p-Isopropyltoluene	11.915	119	1086376	10.977	ppbv	99
70) n-Butylbenzene	12.271	91	1129204	11.157	ppbv	99
71) 2-Chlorotoluene	10.889	91	767022	11.053	ppbv	99
72) 4-Ethyltoluene	11.112	105	827487	11.116	ppbv	99
73) 1,3,5-Trimethylbenzene	11.193	105	717175	11.031	ppbv	97
74) 1,2,4-Trimethylbenzene	11.526	105	782472	10.447	ppbv	97
75) 1,3-Dichlorobenzene	11.597	146	458806	11.168	ppbv	100
76) 1,4-Dichlorobenzene	11.659	146	460192	11.256	ppbv	100
77) 1,2-Dichlorobenzene	11.937	146	452758	11.319	ppbv	99
78) Hexachloro-1,3-Butadiene	13.870	225	386126	9.484	ppbv	99
79) Naphthalene	13.504	128	938531	11.455	ppbv	99
80) Naphthalene,2-methyl-	14.446	142	480160	11.951	ppbv	97
81) 1,2,4-Trichlorobenzene	13.429	180	418383	11.071	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

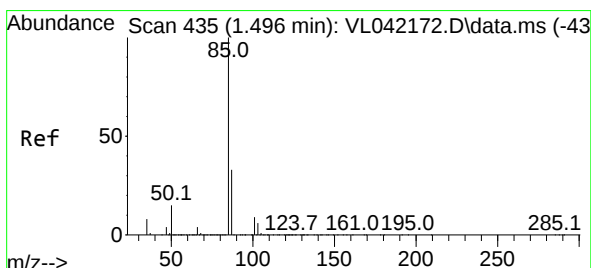
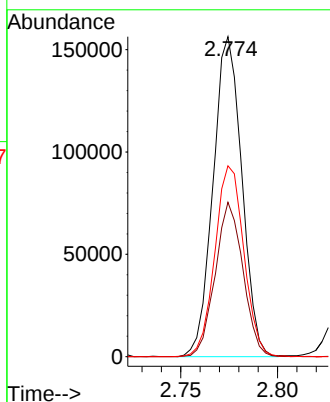
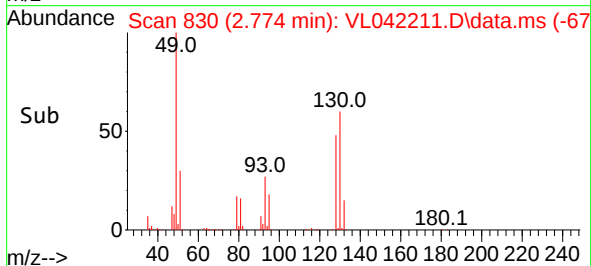
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



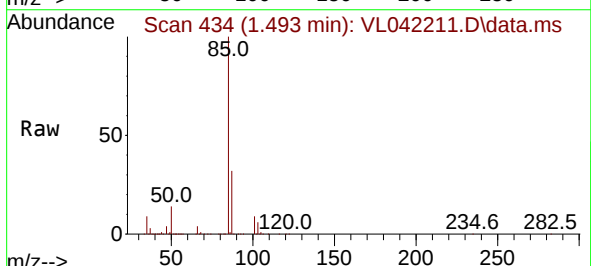
Tgt Ion: 49 Resp: 161260
Ion Ratio Lower Upper
49 100
128 46.6 22.9 68.5
130 60.2 28.8 86.4

Manual Integrations
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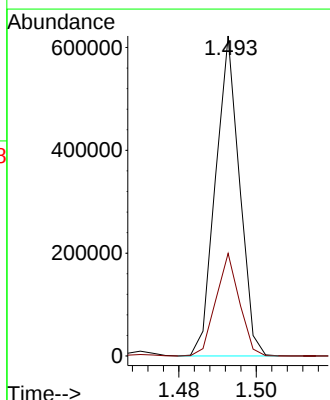
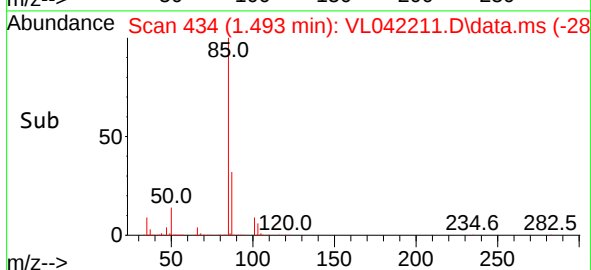
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025

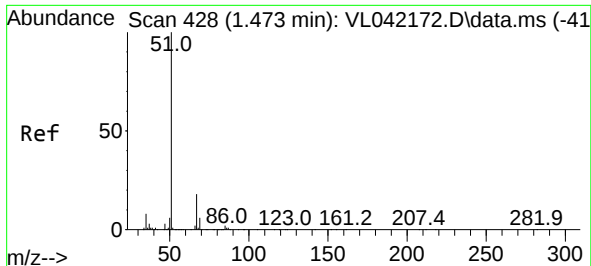


#2
Dichlorodifluoromethane
Concen: 11.227 ppbv
RT: 1.493 min Scan# 434
Delta R.T. -0.003 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37



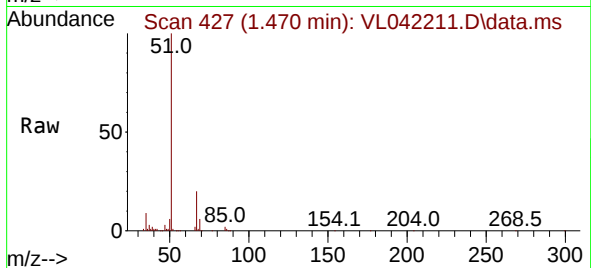
Tgt Ion: 85 Resp: 267318
Ion Ratio Lower Upper
85 100
87 32.1 26.1 39.1





#3
Chlorodifluoromethane
Concen: 11.068 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

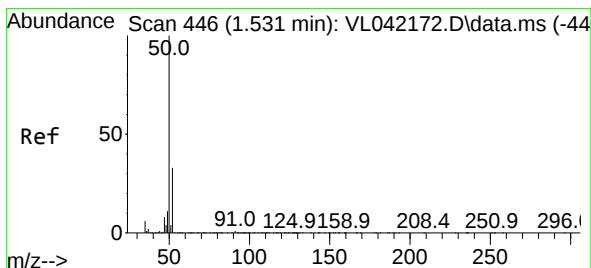
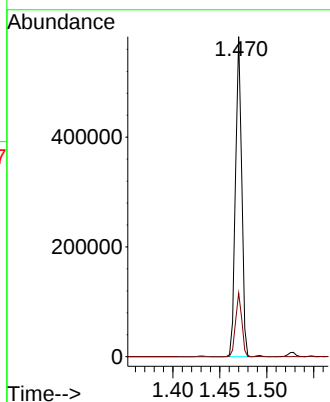
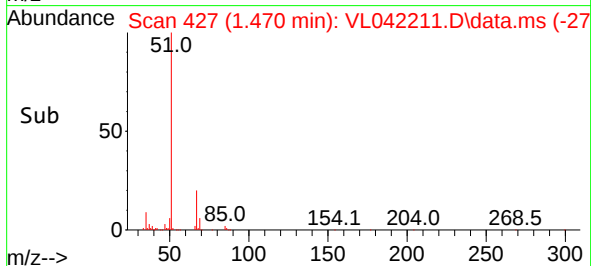
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



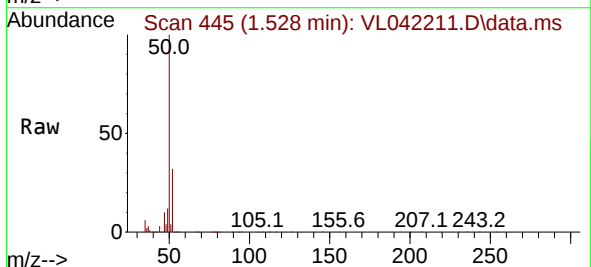
Tgt Ion: 51 Resp: 26920
Ion Ratio Lower Upper
51 100
67 20.3 15.0 22.6

Manual Integrations
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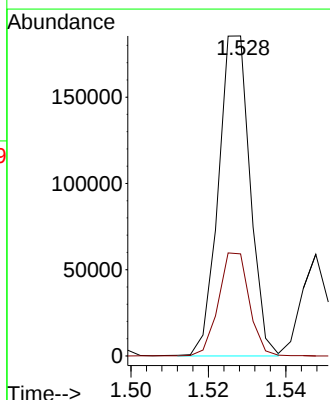
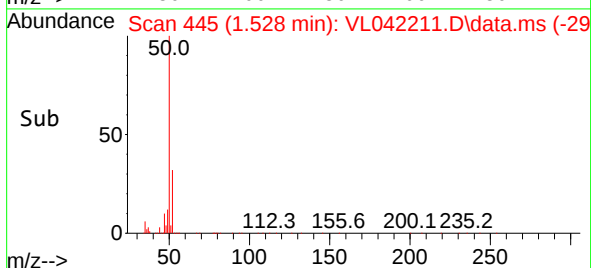
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025

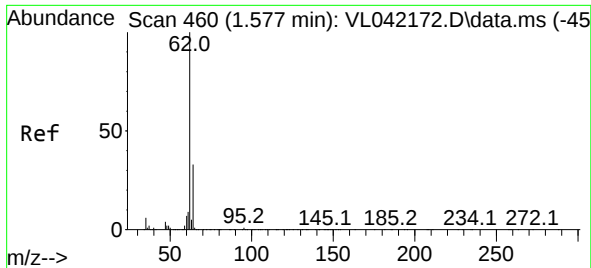


#4
Chloromethane
Concen: 10.831 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.003 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37



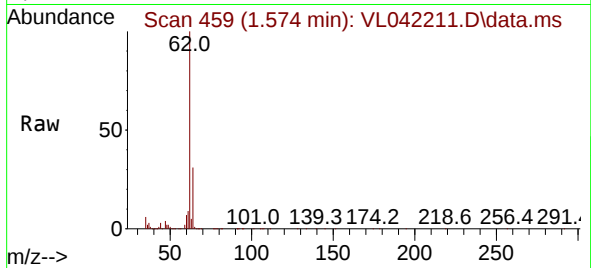
Tgt Ion: 50 Resp: 105392
Ion Ratio Lower Upper
50 100
52 31.9 26.1 39.1





#5
 Vinyl Chloride
 Concen: 9.596 ppbv
 RT: 1.574 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042211.D
 Acq: 02 Apr 2025 08:37

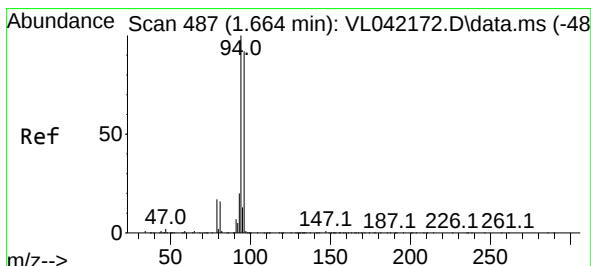
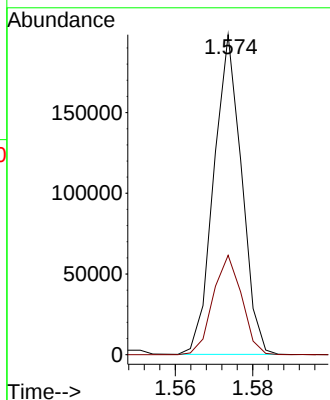
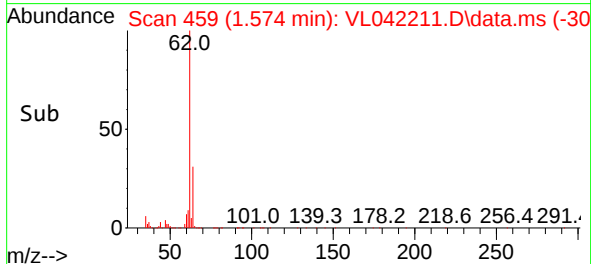
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



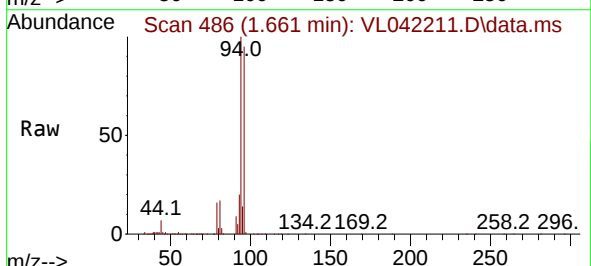
Tgt Ion: 62 Resp: 98940
 Ion Ratio Lower Upper
 62 100
 64 31.1 26.6 40.0

Manual Integrations
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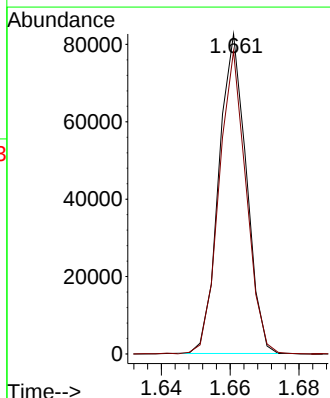
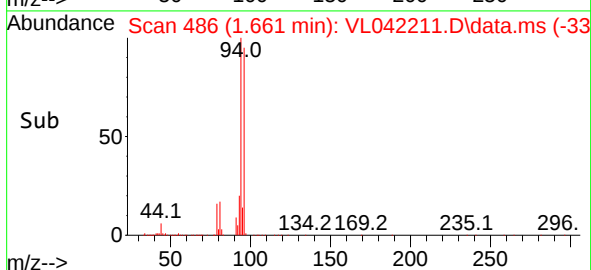
Reviewed By :Semsettin Yesilyurt 04/03/2025
 Supervised By :Mahesh Dadoda 04/03/2025

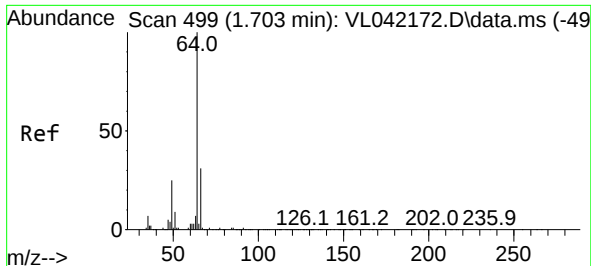


#6
 Bromomethane
 Concen: 10.378 ppbv
 RT: 1.661 min Scan# 486
 Delta R.T. -0.003 min
 Lab File: VL042211.D
 Acq: 02 Apr 2025 08:37



Tgt Ion: 94 Resp: 45763
 Ion Ratio Lower Upper
 94 100
 96 94.7 73.1 109.7





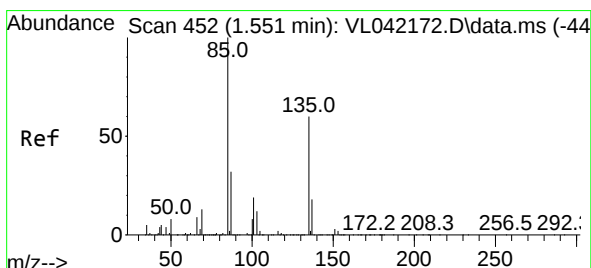
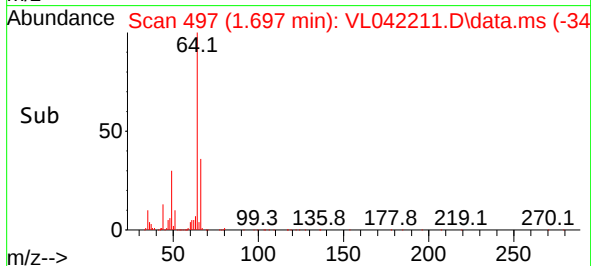
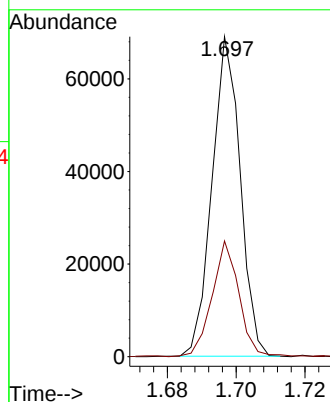
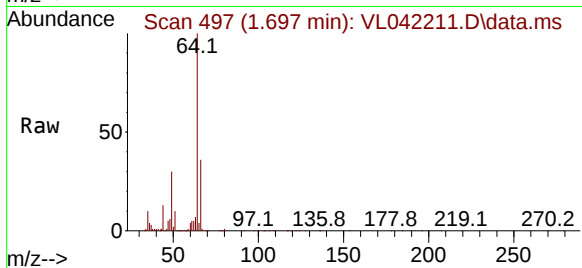
#7
Chloroethane
Concen: 10.059 ppbv
RT: 1.697 min Scan# 499
Delta R.T. -0.006 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 3929
Ion Ratio Lower Upper
64 100
66 36.2 25.2 37.8

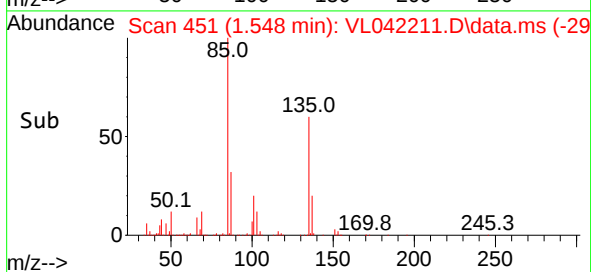
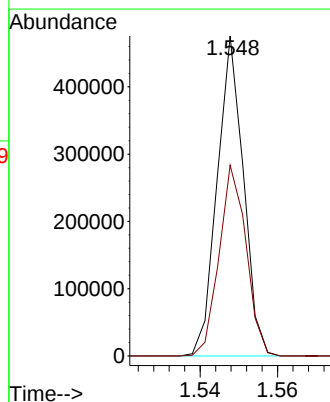
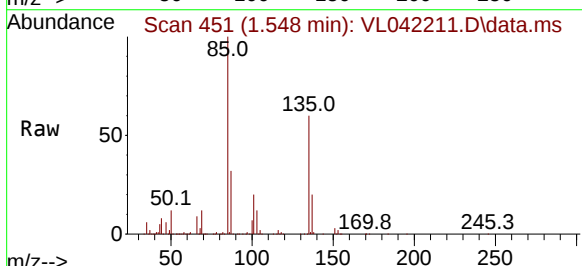
Manual Integrations
APPROVED

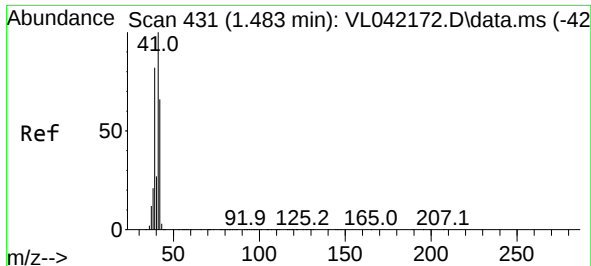
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#8
Dichlorotetrafluoroethane
Concen: 11.037 ppbv
RT: 1.548 min Scan# 451
Delta R.T. -0.003 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Tgt Ion: 85 Resp: 223786
Ion Ratio Lower Upper
85 100
135 61.4 52.4 78.6





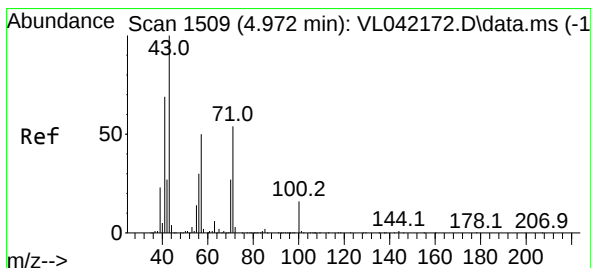
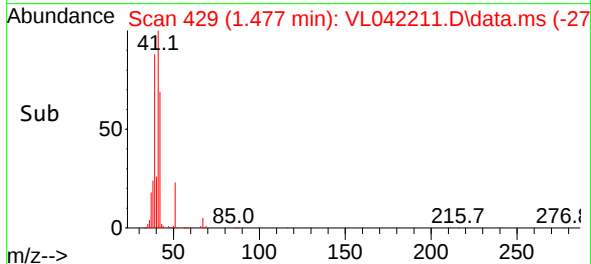
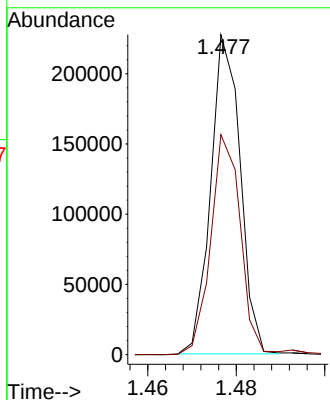
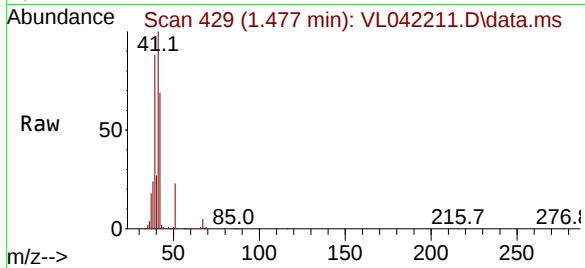
#9
Propene
Concen: 9.448 ppbv
RT: 1.477 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 105335
Ion Ratio Lower Upper
41 100
42 70.9 55.4 83.2

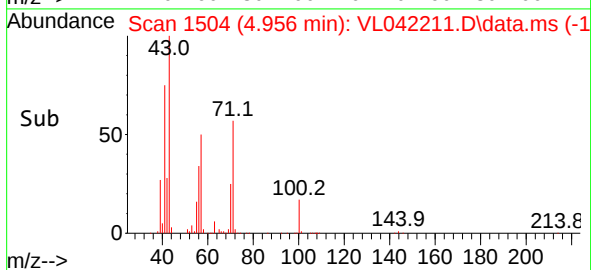
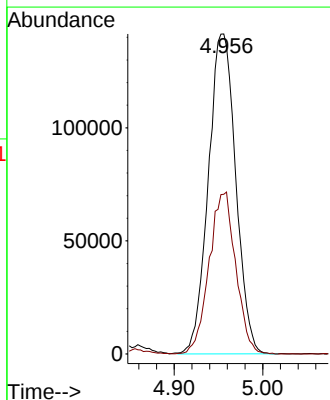
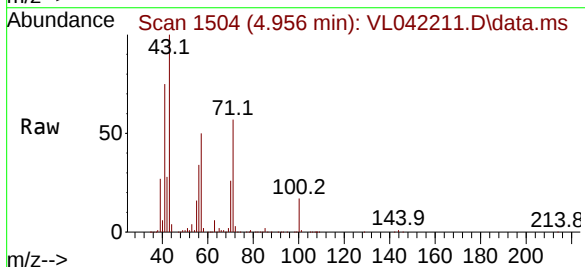
Manual Integrations
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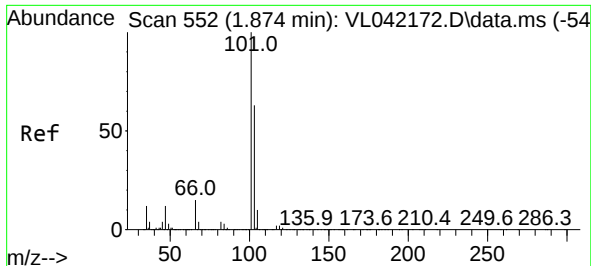
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#10
Heptane
Concen: 10.267 ppbv
RT: 4.956 min Scan# 1504
Delta R.T. -0.016 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

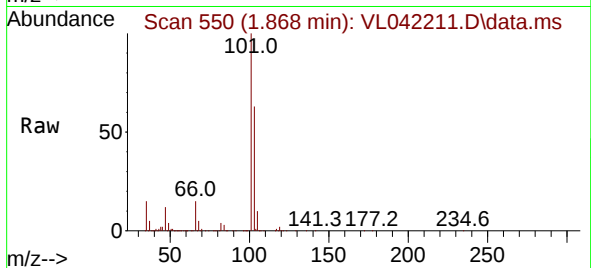
Tgt Ion: 43 Resp: 304455
Ion Ratio Lower Upper
43 100
57 49.2 39.4 59.2





#11
 Trichlorofluoromethane
 Concen: 11.180 ppbv
 RT: 1.868 min Scan# 510
 Delta R.T. -0.006 min
 Lab File: VL042211.D
 Acq: 02 Apr 2025 08:37

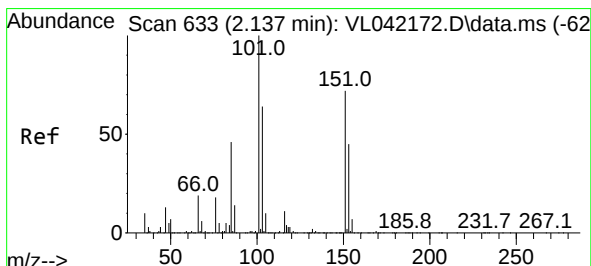
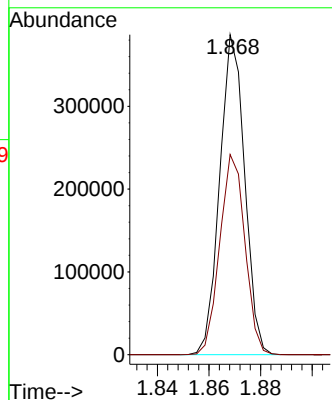
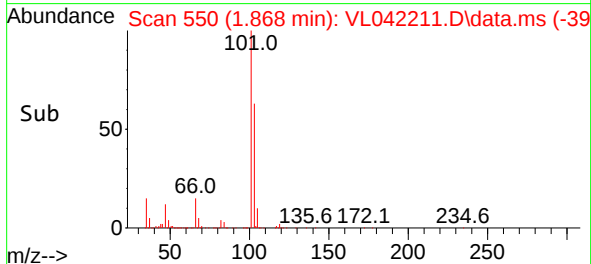
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



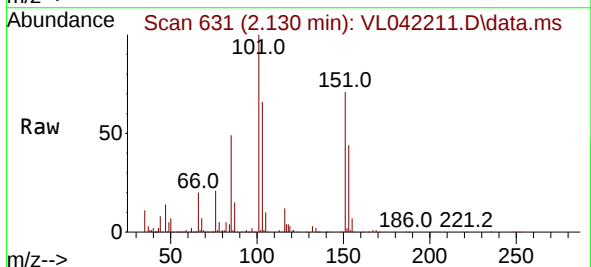
Tgt Ion:101 Resp: 259010
 Ion Ratio Lower Upper
 101 100
 103 62.6 50.2 75.2

Manual Integrations
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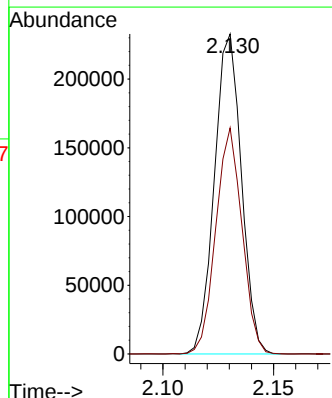
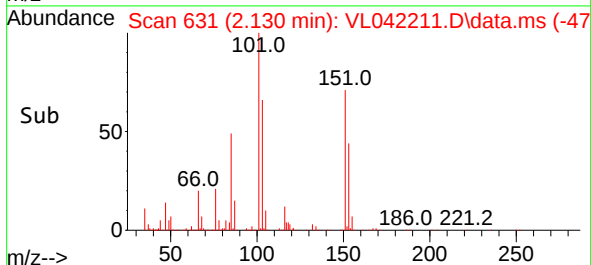
Reviewed By :Semsettin Yesilyurt 04/03/2025
 Supervised By :Mahesh Dadoda 04/03/2025

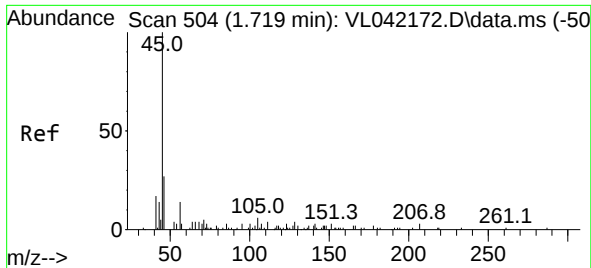


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.381 ppbv
 RT: 2.130 min Scan# 631
 Delta R.T. -0.006 min
 Lab File: VL042211.D
 Acq: 02 Apr 2025 08:37



Tgt Ion:101 Resp: 197679
 Ion Ratio Lower Upper
 101 100
 151 68.7 57.1 85.7





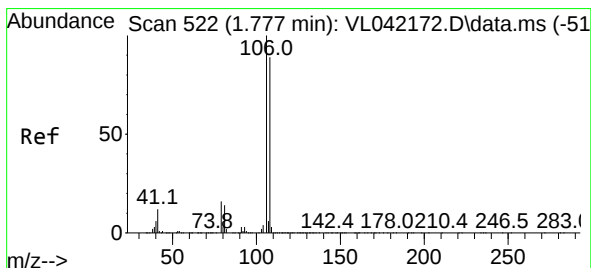
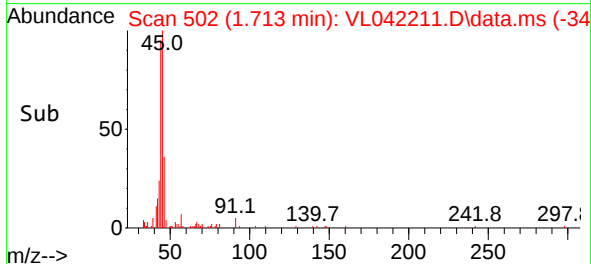
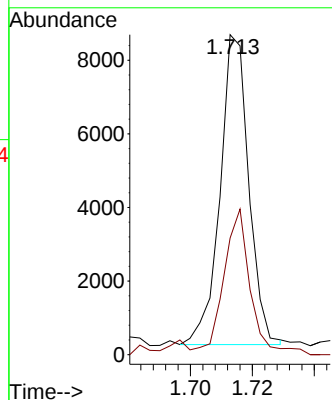
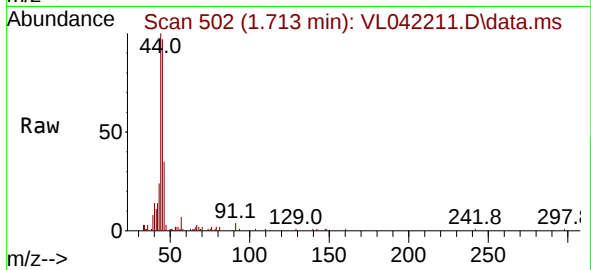
#13
Ethanol
Concen: 5.147 ppbv
RT: 1.713 min Scan# 504
Delta R.T. -0.006 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 542
Ion Ratio Lower Upper
45 100
46 48.0 20.2 80.8

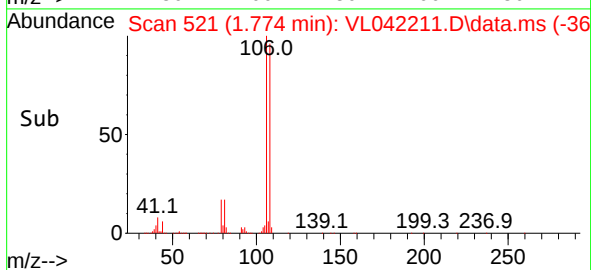
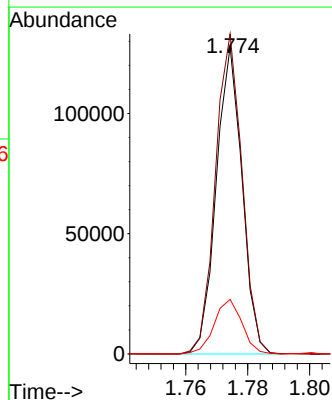
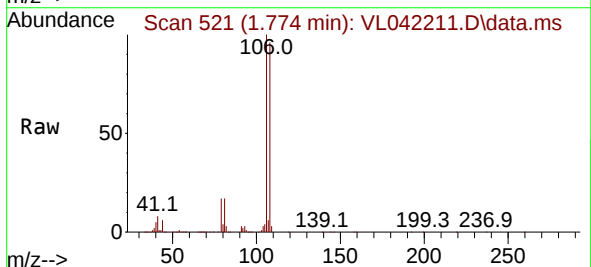
Manual Integrations
APPROVED

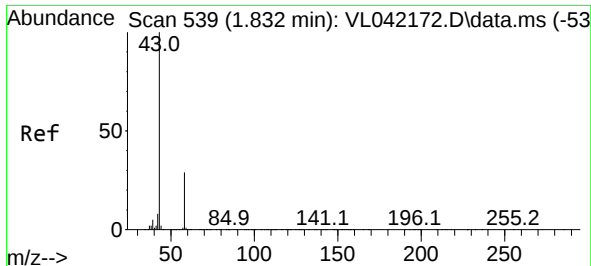
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#14
Bromoethene
Concen: 10.150 ppbv
RT: 1.774 min Scan# 521
Delta R.T. -0.003 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Tgt Ion:108 Resp: 74043
Ion Ratio Lower Upper
108 100
106 107.0 86.8 130.2
79 19.6 15.0 22.6





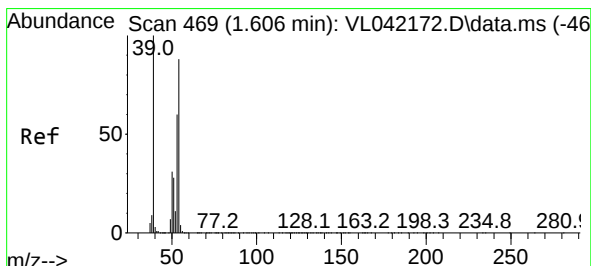
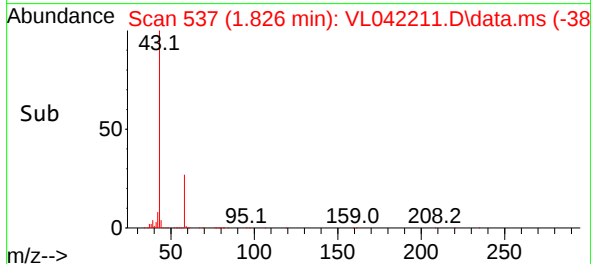
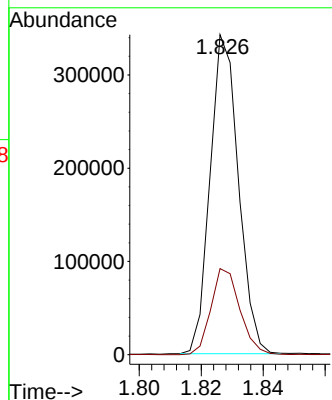
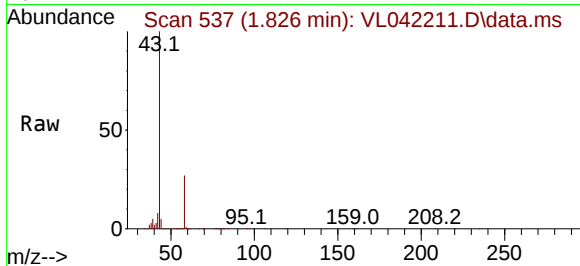
#15
Acetone
Concen: 9.641 ppbv
RT: 1.826 min Scan# 51
Delta R.T. -0.006 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 21744
Ion Ratio Lower Upper
43 100
58 27.7 23.2 34.8

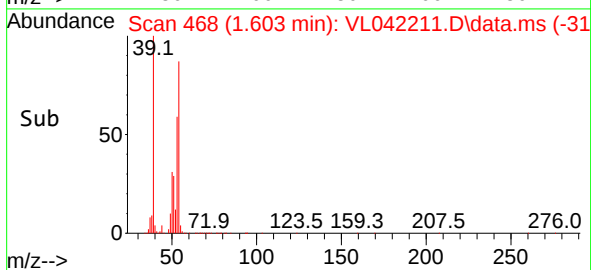
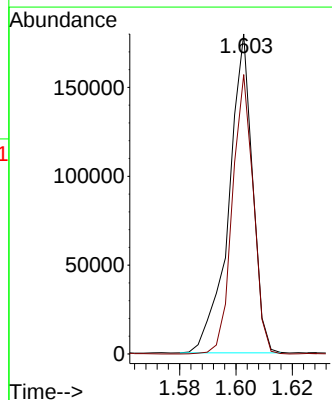
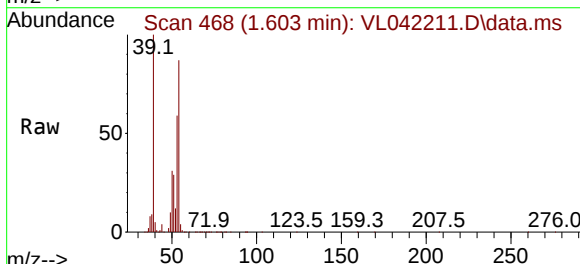
Manual Integrations
APPROVED

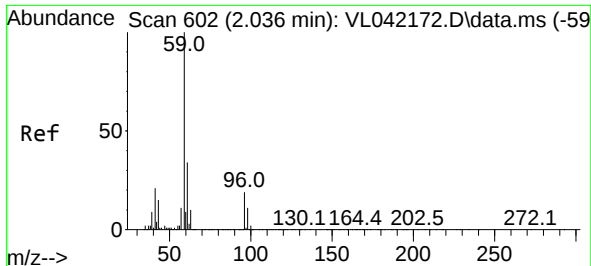
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#16
1,3-Butadiene
Concen: 9.556 ppbv
RT: 1.603 min Scan# 468
Delta R.T. -0.003 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Tgt Ion: 39 Resp: 105246
Ion Ratio Lower Upper
39 100
54 77.5 60.7 91.1





#17

tert-Butyl alcohol

Concen: 9.971 ppbv

RT: 2.033 min Scan# 60

Delta R.T. -0.003 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 280070

Ion Ratio Lower Upper

59 100

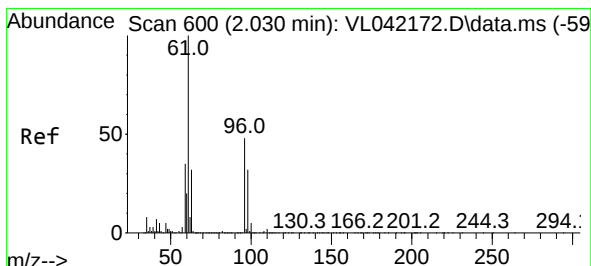
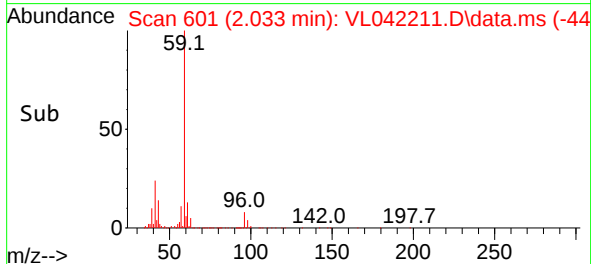
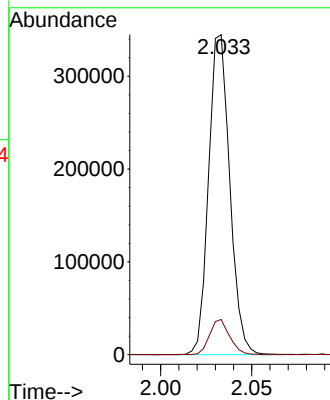
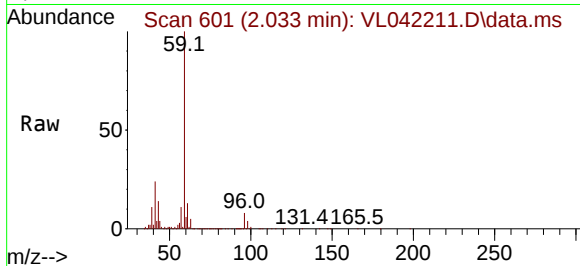
57 10.5 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/03/2025

Supervised By :Mahesh Dadoda 04/03/2025



#18

1,1-Dichloroethene

Concen: 10.207 ppbv

RT: 2.023 min Scan# 598

Delta R.T. -0.006 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

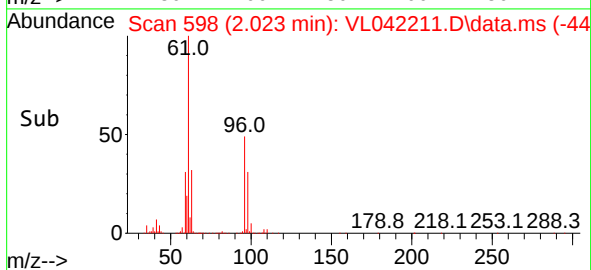
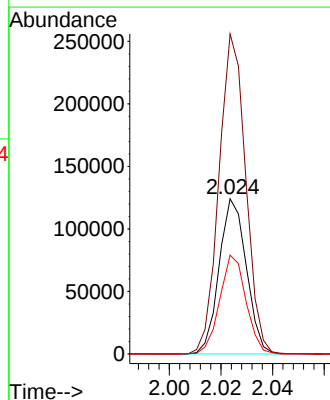
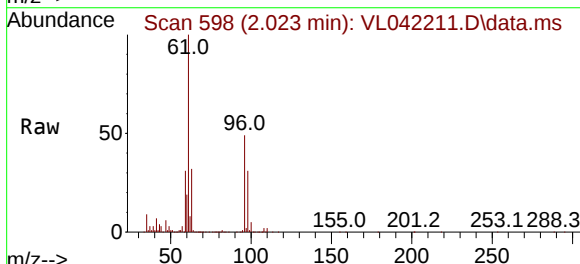
Tgt Ion: 96 Resp: 90865

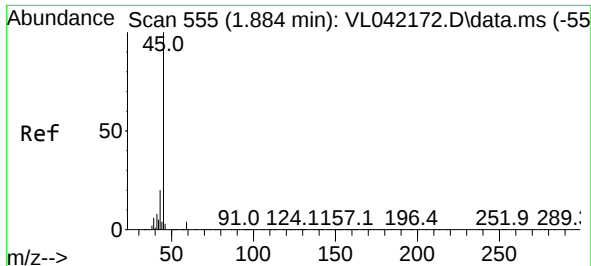
Ion Ratio Lower Upper

96 100

61 206.1 167.6 251.4

98 63.7 53.5 80.3





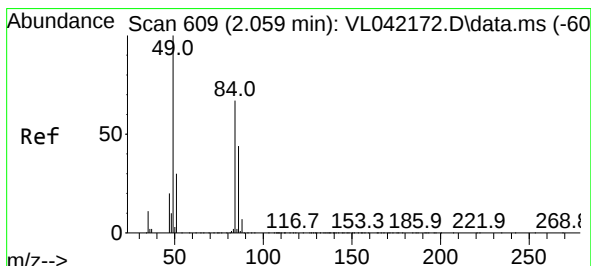
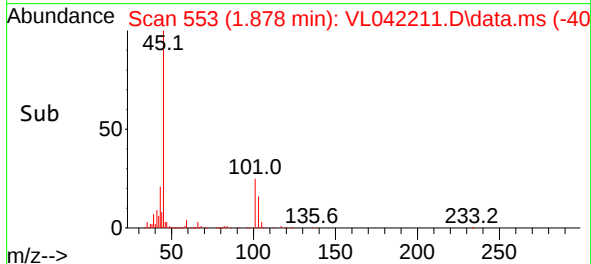
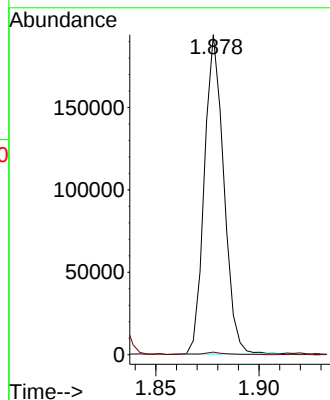
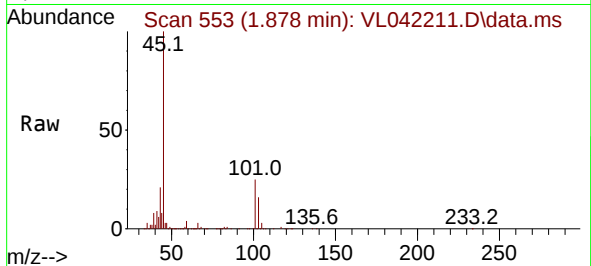
#19
Isopropyl Alcohol
Concen: 9.937 ppbv
RT: 1.878 min Scan# 511
Delta R.T. -0.006 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 126448
Ion Ratio Lower Upper
45 100
58 47.4 36.9 55.3

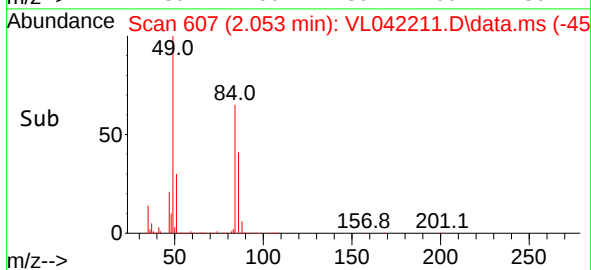
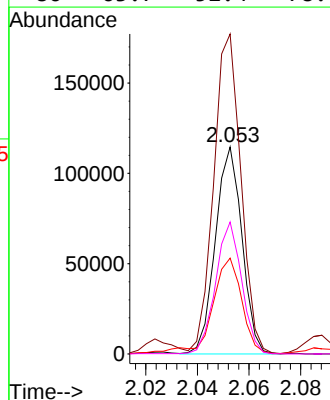
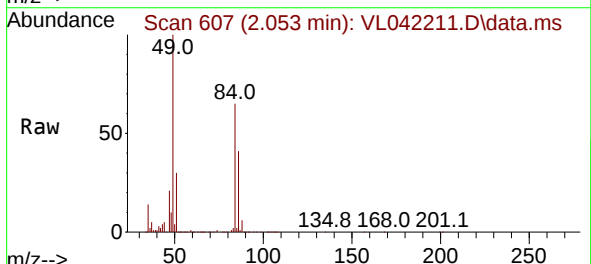
Manual Integrations
APPROVED

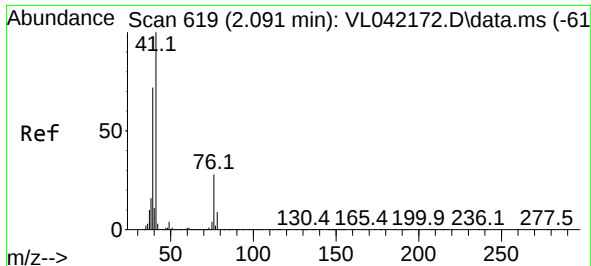
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#20
Methylene Chloride
Concen: 9.765 ppbv
RT: 2.053 min Scan# 607
Delta R.T. -0.006 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

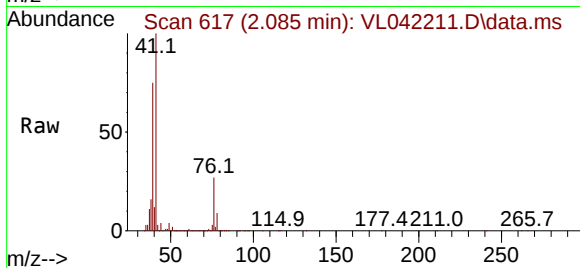
Tgt Ion: 84 Resp: 82026
Ion Ratio Lower Upper
84 100
49 154.2 120.2 180.4
51 46.1 37.4 56.0
86 63.7 52.4 78.6





#21
 Allyl Chloride
 Concen: 10.081 ppbv
 RT: 2.085 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VL042211.D
 Acq: 02 Apr 2025 08:37

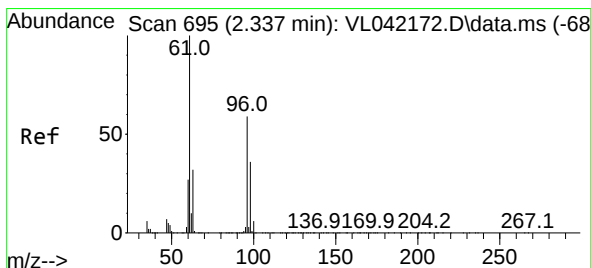
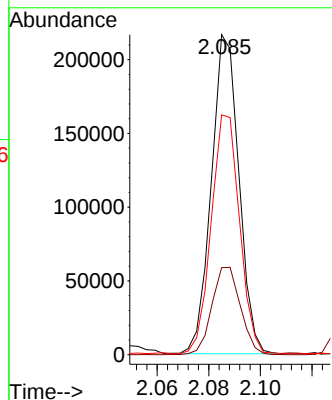
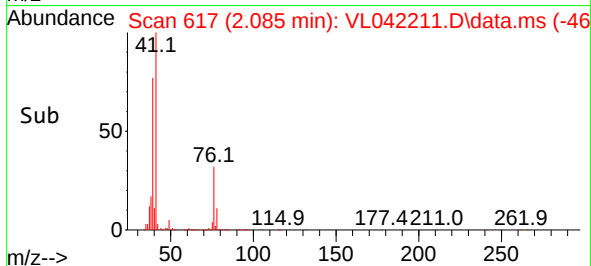
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



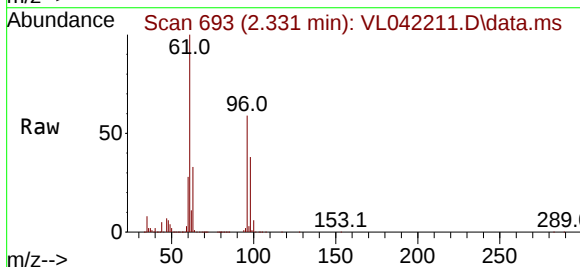
Tgt Ion: 41 Resp: 160348
 Ion Ratio Lower Upper
 41 100
 76 28.4 24.1 36.1
 39 77.2 61.1 91.7

Manual Integrations
 APPROVED

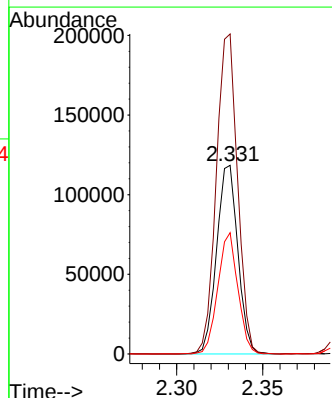
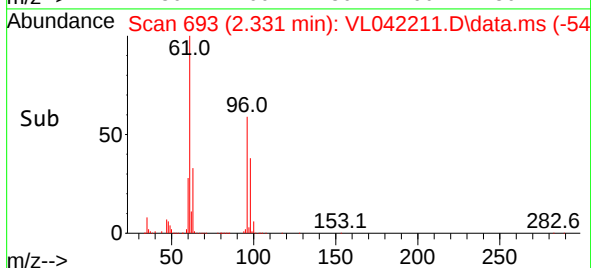
Reviewed By :Semsettin Yesilyurt 04/03/2025
 Supervised By :Mahesh Dadoda 04/03/2025

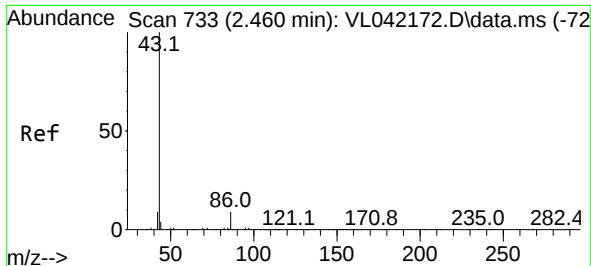


#22
 trans-1,2-Dichloroethene
 Concen: 9.900 ppbv
 RT: 2.331 min Scan# 693
 Delta R.T. -0.006 min
 Lab File: VL042211.D
 Acq: 02 Apr 2025 08:37



Tgt Ion: 96 Resp: 101863
 Ion Ratio Lower Upper
 96 100
 61 169.6 136.6 204.8
 98 64.3 49.4 74.2





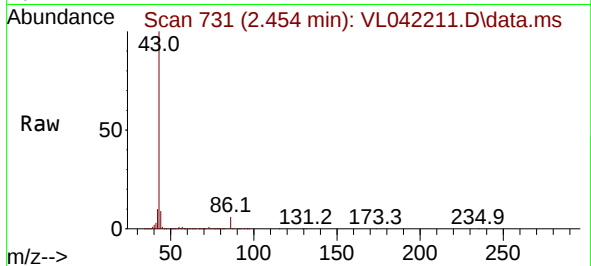
#23
 Vinyl Acetate
 Concen: 8.705 ppbv
 RT: 2.454 min Scan# 714
 Delta R.T. -0.006 min
 Lab File: VL042211.D
 Acq: 02 Apr 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

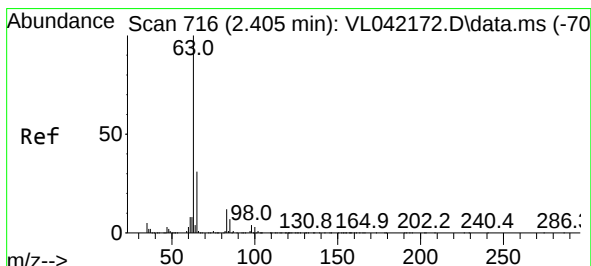
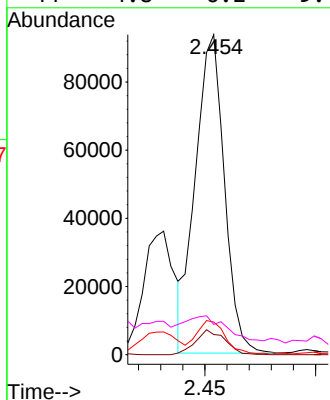
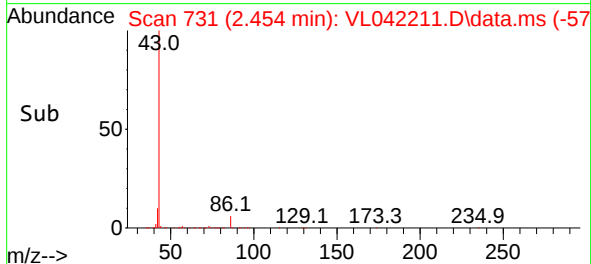


Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.5	8.3
42	9.7	8.6	13.0
44	4.8	6.2	9.4

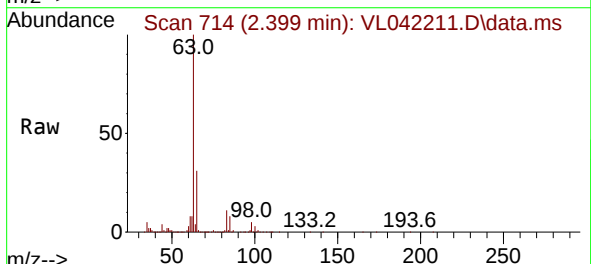
Manual Integrations

APPROVED

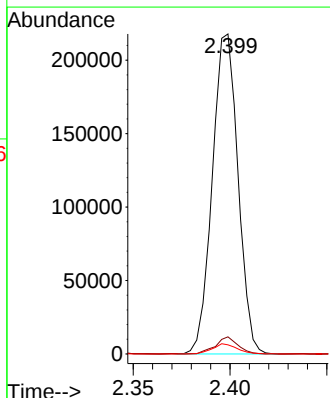
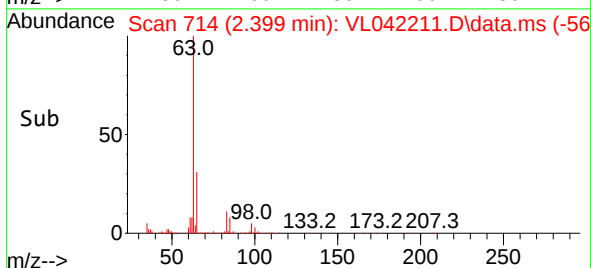
Reviewed By :Semsettin Yesilyurt 04/03/2025
 Supervised By :Mahesh Dadoda 04/03/2025

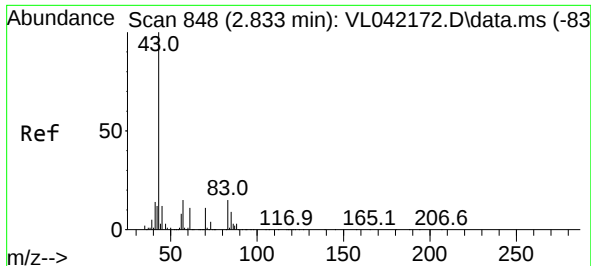


#24
 1,1-Dichloroethane
 Concen: 10.558 ppbv
 RT: 2.399 min Scan# 714
 Delta R.T. -0.006 min
 Lab File: VL042211.D
 Acq: 02 Apr 2025 08:37



Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.3	6.8
100	2.8	1.6	4.7





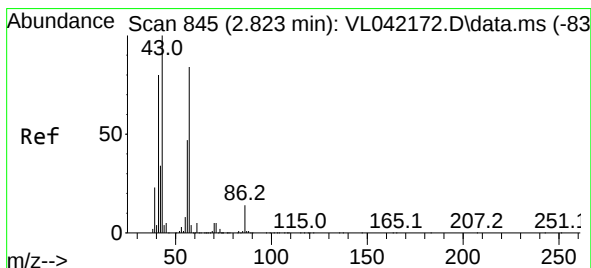
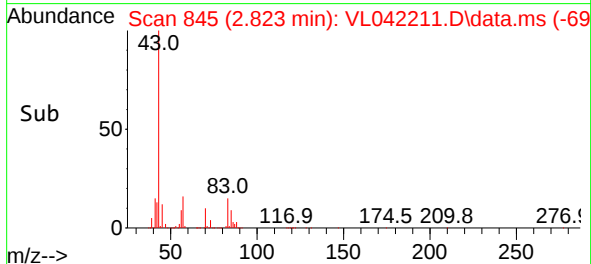
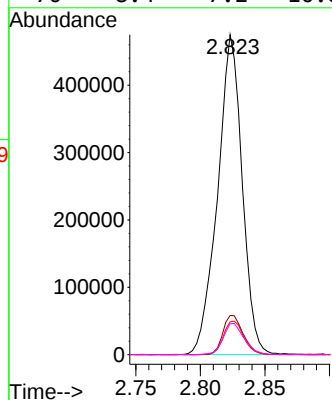
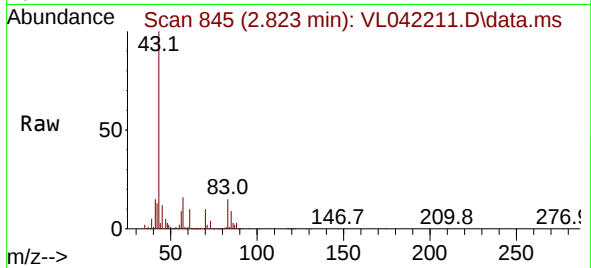
#25
Ethyl Acetate
Concen: 10.710 ppbv
RT: 2.823 min Scan# 841
Delta R.T. -0.010 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 626900
Ion Ratio Lower Upper
43 100
45 10.2 8.2 12.2
61 8.7 7.3 10.9
70 8.4 7.2 10.8

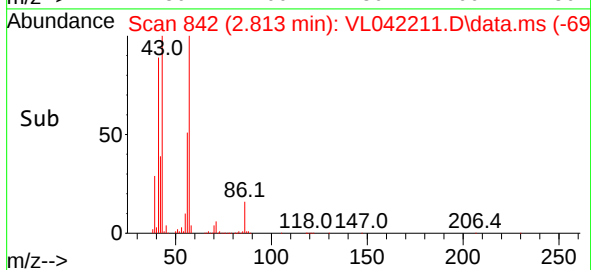
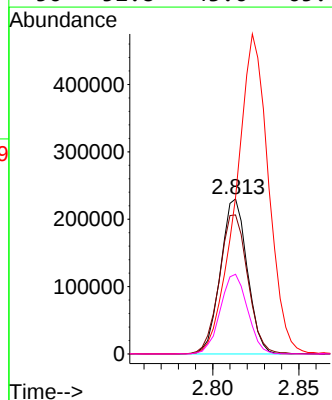
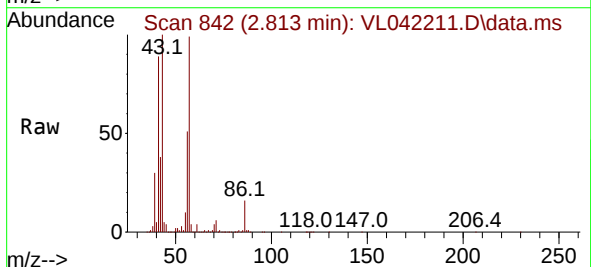
Manual Integrations
APPROVED

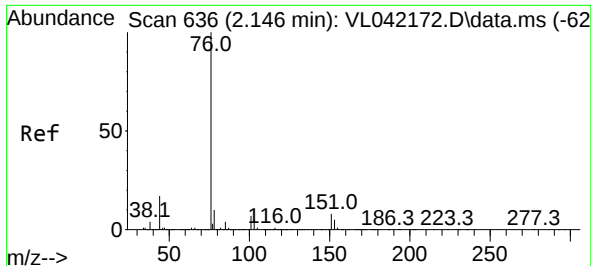
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#26
Hexane
Concen: 10.957 ppbv
RT: 2.813 min Scan# 842
Delta R.T. -0.010 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

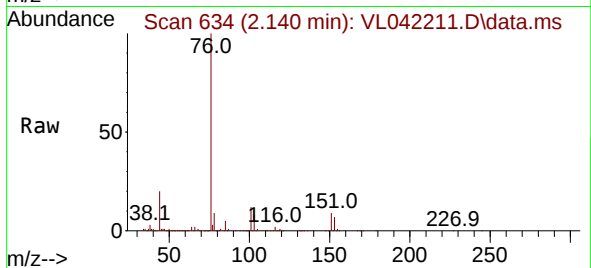
Tgt Ion: 57 Resp: 247723
Ion Ratio Lower Upper
57 100
41 96.0 76.6 114.8
43 254.2 207.8 311.8
56 52.8 43.6 65.4





#27
Carbon Disulfide
Concen: 10.130 ppbv
RT: 2.140 min Scan# 611
Delta R.T. -0.006 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

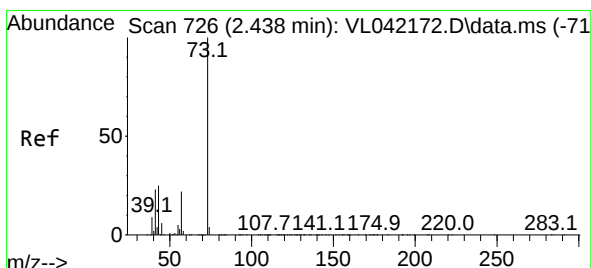
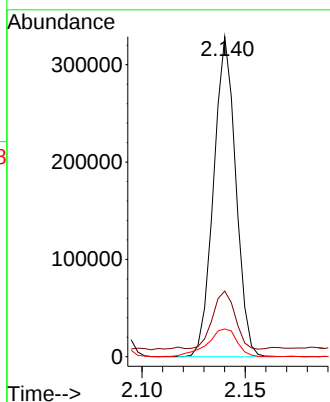
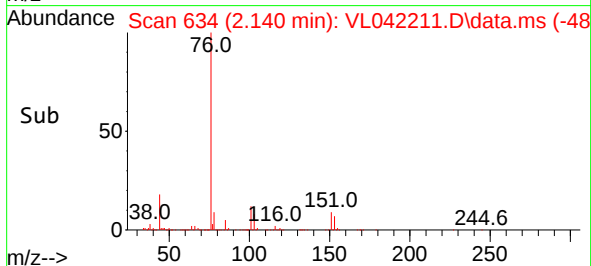
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



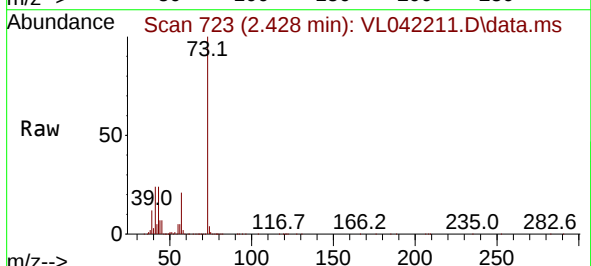
Tgt Ion: 76 Resp: 245604
Ion Ratio Lower Upper
76 100
44 18.2 14.7 22.1
78 11.7 9.3 13.9

Manual Integrations
APPROVED

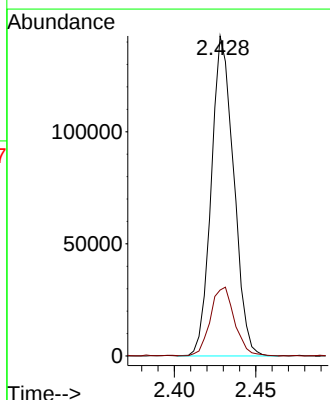
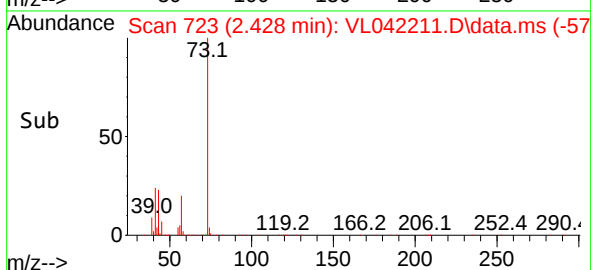
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025

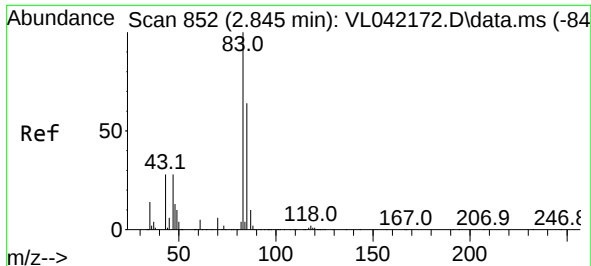


#28
Methyl tert-Butyl Ether
Concen: 9.710 ppbv
RT: 2.428 min Scan# 723
Delta R.T. -0.010 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37



Tgt Ion: 73 Resp: 136685
Ion Ratio Lower Upper
73 100
57 23.3 20.5 30.7





#29

Chloroform

Concen: 11.505 ppbv

RT: 2.836 min Scan# 84

Delta R.T. -0.010 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 380694

Ion Ratio Lower Upper

83 100

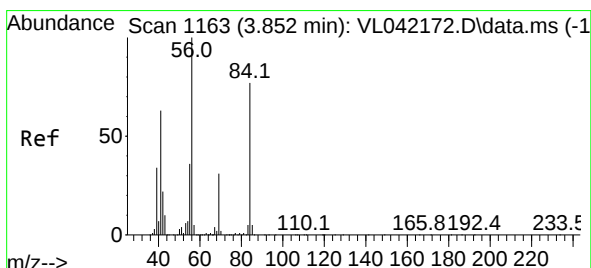
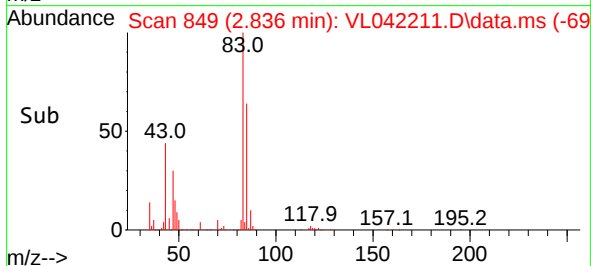
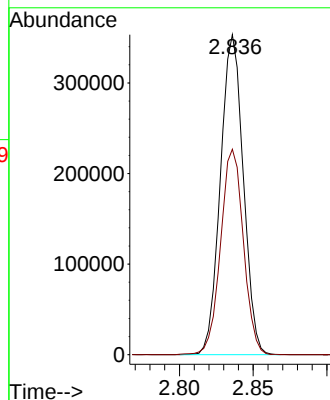
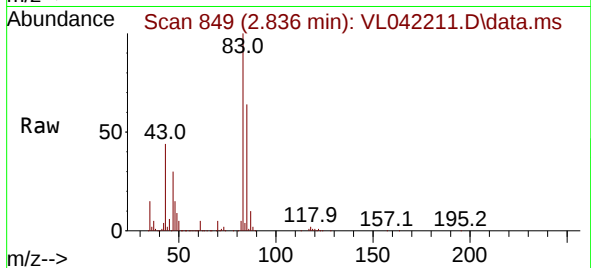
85 64.2 51.4 77.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/03/2025

Supervised By :Mahesh Dadoda 04/03/2025



#30

Cyclohexane

Concen: 10.425 ppbv

RT: 3.839 min Scan# 1159

Delta R.T. -0.013 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

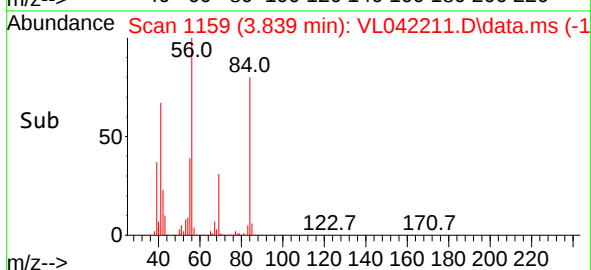
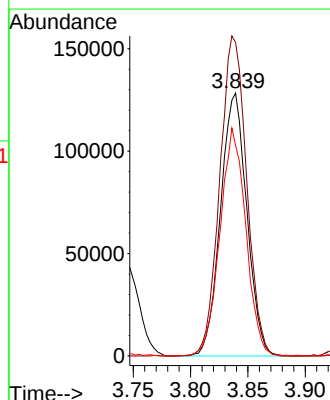
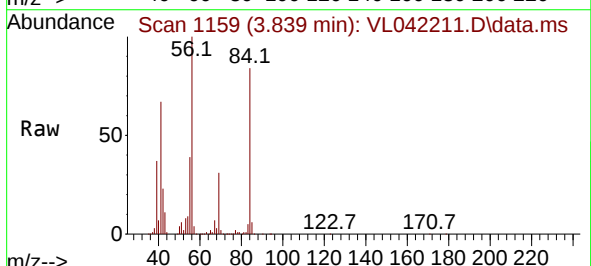
Tgt Ion: 84 Resp: 204664

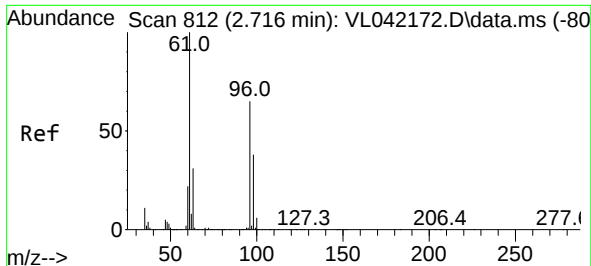
Ion Ratio Lower Upper

84 100

56 124.2 102.8 154.2

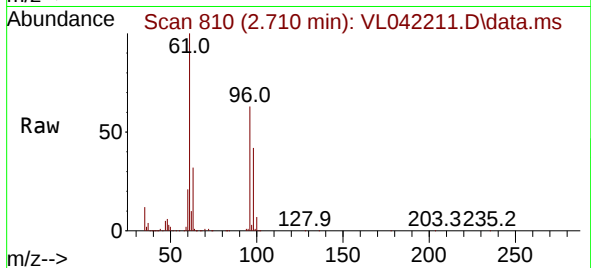
41 85.3 66.5 99.7





#31
 cis-1,2-Dichloroethene
 Concen: 10.779 ppbv
 RT: 2.710 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: VL042211.D
 Acq: 02 Apr 2025 08:37

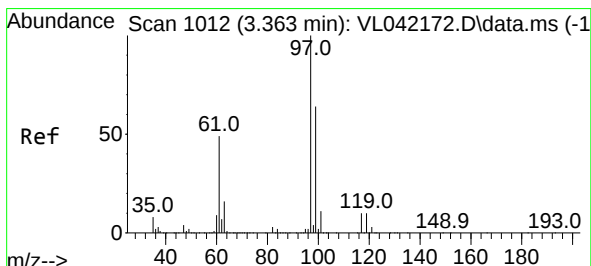
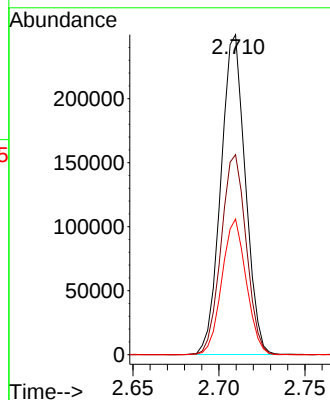
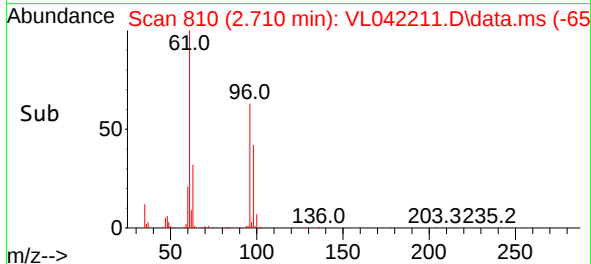
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



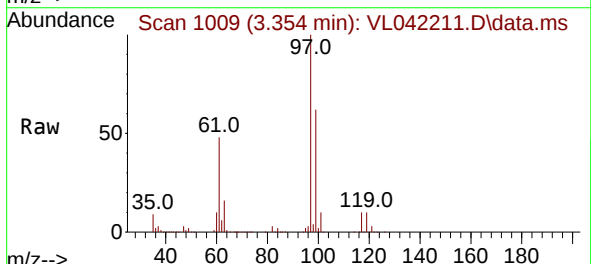
Tgt Ion: 61 Resp: 247420
 Ion Ratio Lower Upper
 61 100
 96 62.5 51.8 77.8
 98 42.4 30.6 46.0

Manual Integrations
 APPROVED

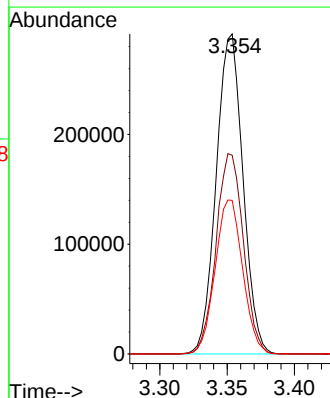
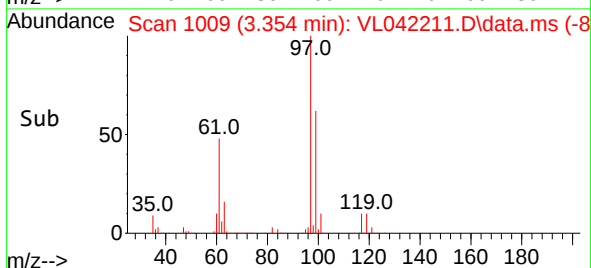
Reviewed By :Semsettin Yesilyurt 04/03/2025
 Supervised By :Mahesh Dadoda 04/03/2025

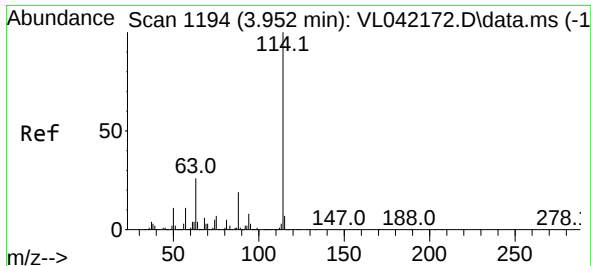


#32
 1,1,1-Trichloroethane
 Concen: 10.652 ppbv
 RT: 3.354 min Scan# 1009
 Delta R.T. -0.010 min
 Lab File: VL042211.D
 Acq: 02 Apr 2025 08:37



Tgt Ion: 97 Resp: 403528
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.5 77.3
 61 49.6 38.7 58.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.936 min Scan# 1189

Delta R.T. -0.016 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 460090

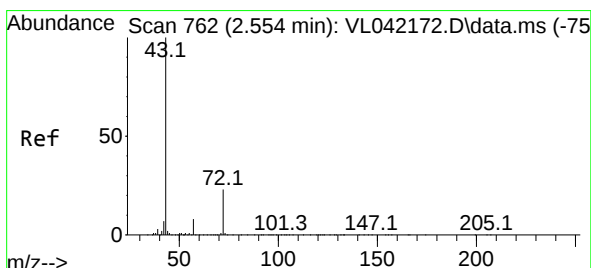
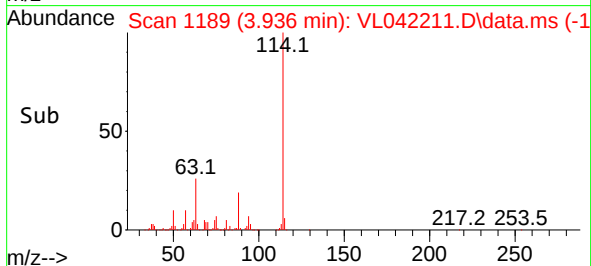
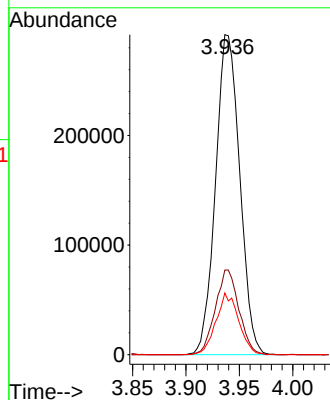
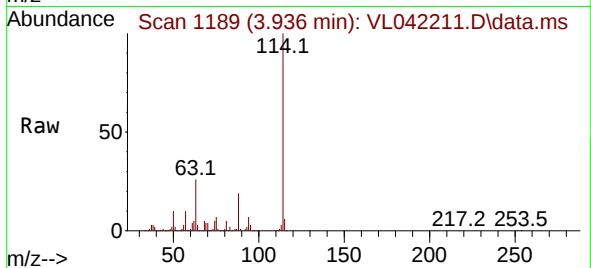
Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.7	31.1
88	18.1	15.0	22.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/03/2025

Supervised By :Mahesh Dadoda 04/03/2025



#34

2-Butanone

Concen: 10.614 ppbv

RT: 2.545 min Scan# 759

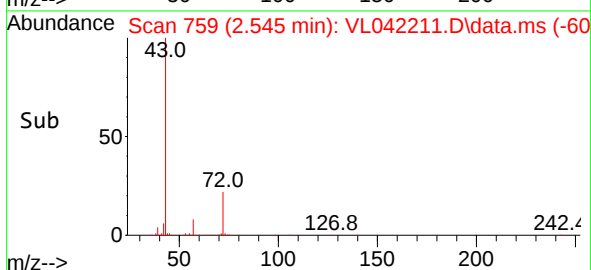
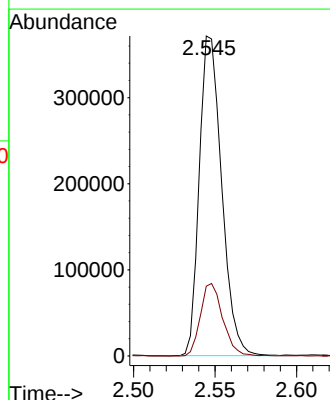
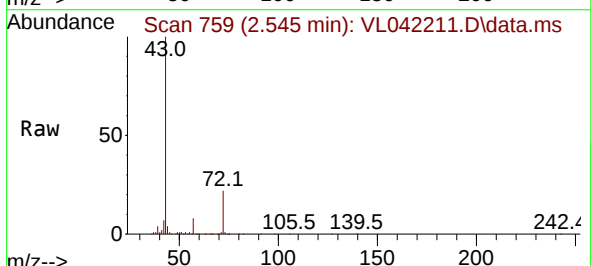
Delta R.T. -0.010 min

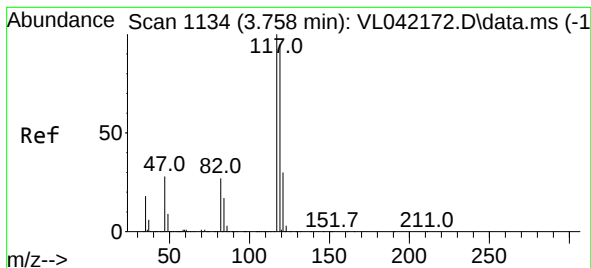
Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Tgt Ion: 43 Resp: 354111

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2





#35

Carbon Tetrachloride

Concen: 11.335 ppbv

RT: 3.742 min Scan# 1129

Delta R.T. -0.016 min

Lab File: VL042211.D

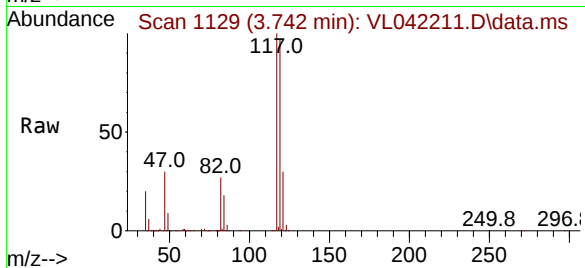
Acq: 02 Apr 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

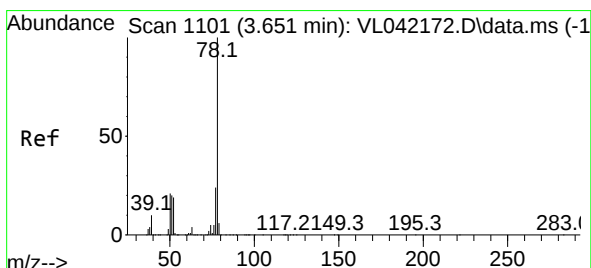
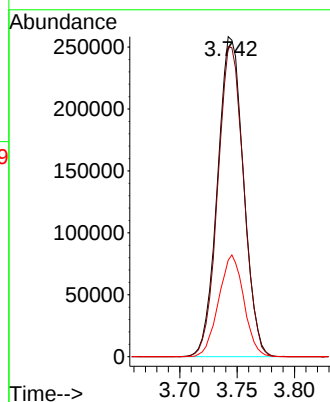
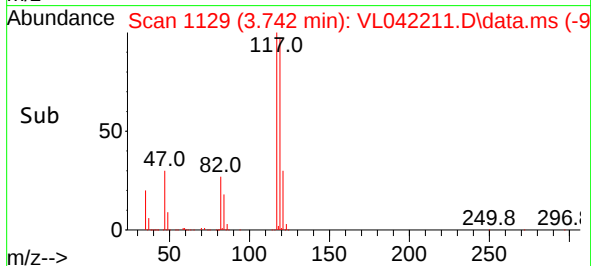


Tgt Ion:	117	Resp:	40739
Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.2	114.2
121	30.1	24.2	36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#36

Benzene

Concen: 10.597 ppbv

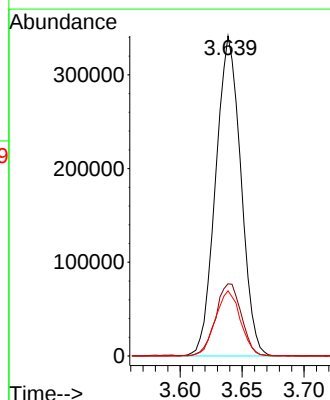
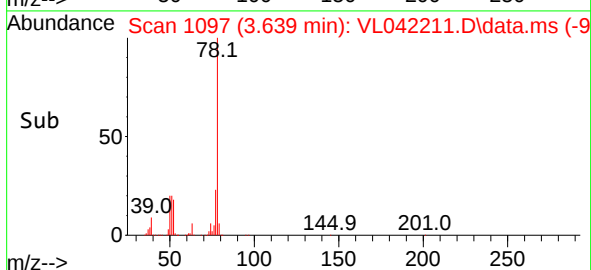
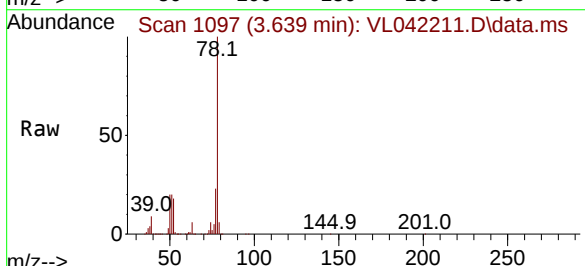
RT: 3.639 min Scan# 1097

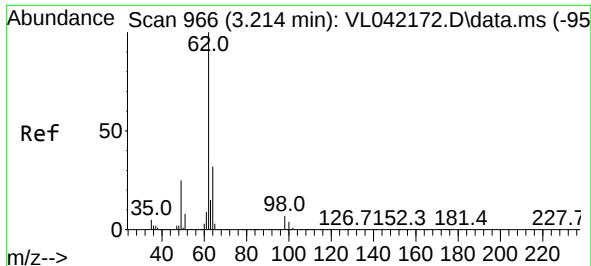
Delta R.T. -0.013 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

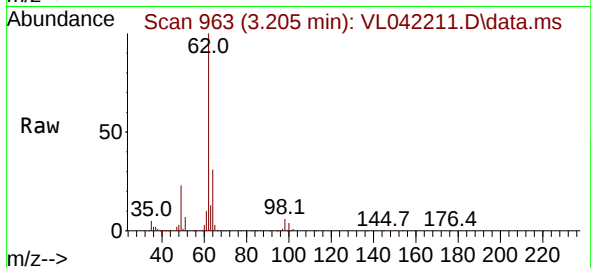
Tgt Ion:	78	Resp:	483334
Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.1	28.7
50	20.3	16.6	24.8





#37
1,2-Dichloroethane
Concen: 11.774 ppbv
RT: 3.205 min Scan# 90
Delta R.T. -0.010 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

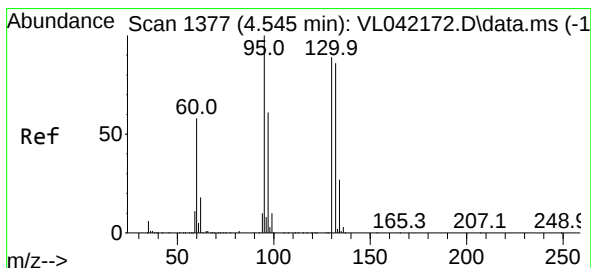
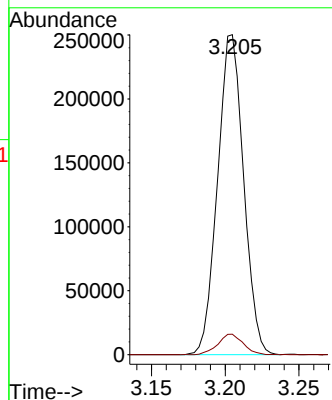
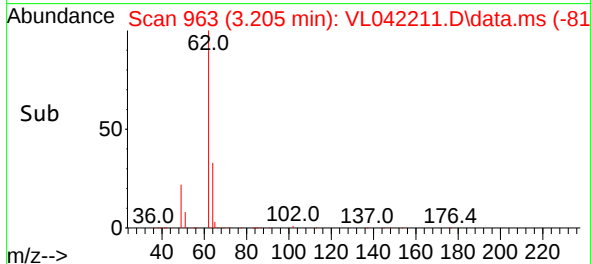
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 62 Resp: 307462
Ion Ratio Lower Upper
62 100
98 6.2 5.4 8.2

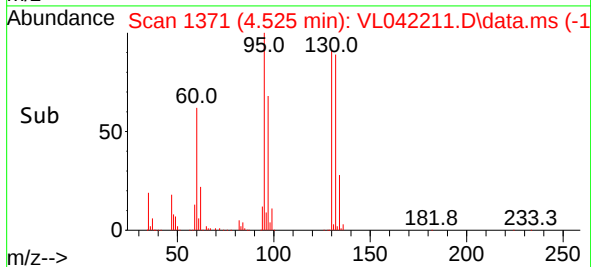
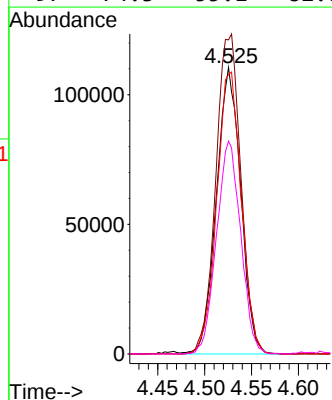
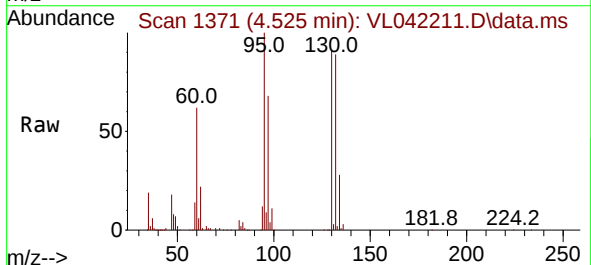
Manual Integrations
APPROVED

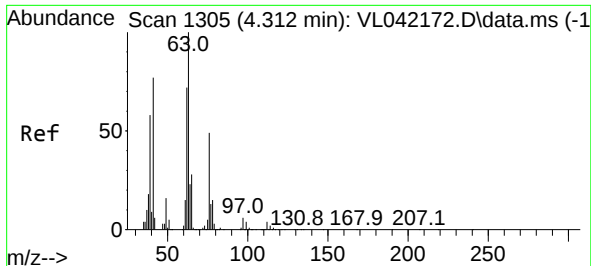
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#38
Trichloroethene
Concen: 10.461 ppbv
RT: 4.525 min Scan# 1371
Delta R.T. -0.019 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Tgt Ion:130 Resp: 199094
Ion Ratio Lower Upper
130 100
95 109.6 89.8 134.8
132 97.5 77.4 116.2
97 74.3 55.1 82.7





#39

1,2-Dichloropropane

Concen: 10.672 ppbv

RT: 4.292 min Scan# 1305

Delta R.T. -0.019 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 17728

Ion Ratio Lower Upper

63 100

41 90.5 61.7 92.5

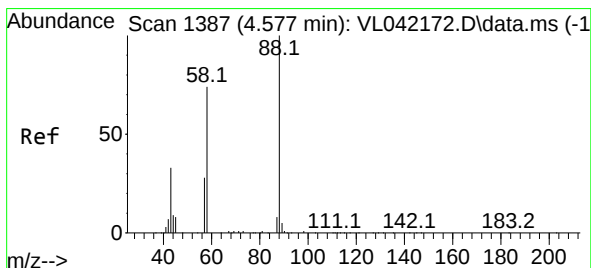
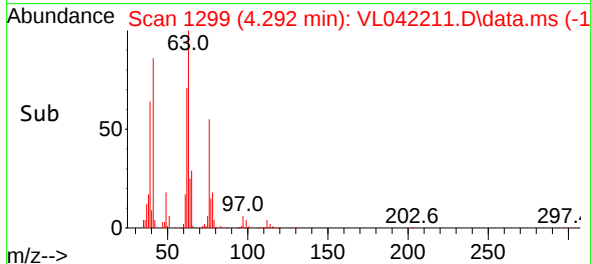
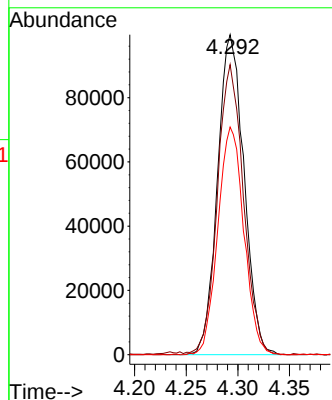
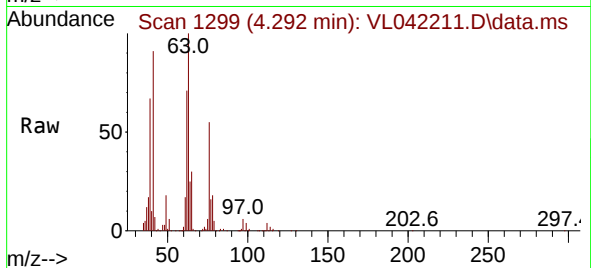
62 71.2 57.6 86.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/03/2025

Supervised By :Mahesh Dadoda 04/03/2025



#40

1,4-Dioxane

Concen: 9.927 ppbv

RT: 4.561 min Scan# 1382

Delta R.T. -0.016 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Tgt Ion: 88 Resp: 87524

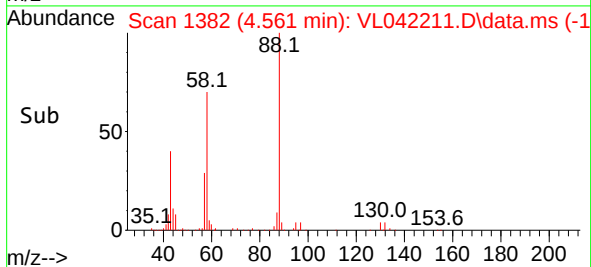
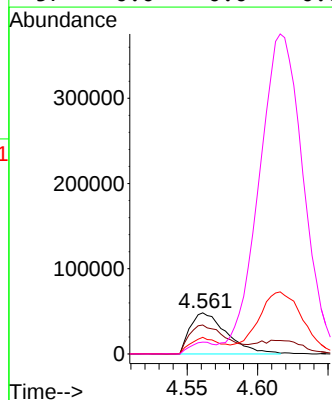
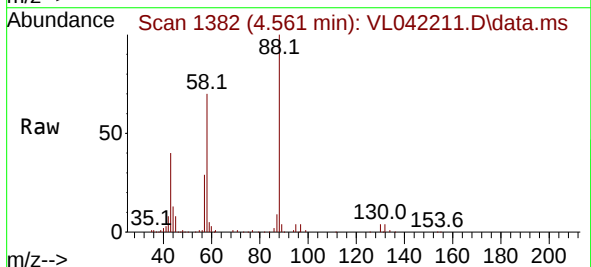
Ion Ratio Lower Upper

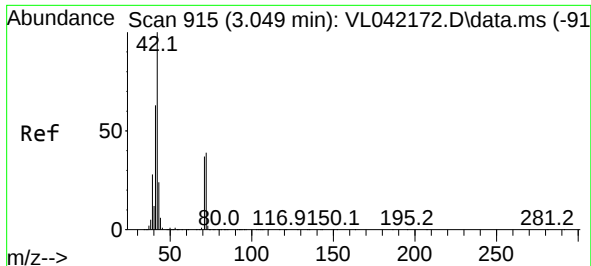
88 100

58 72.7 62.7 94.1

43 35.8 23.0 34.4#

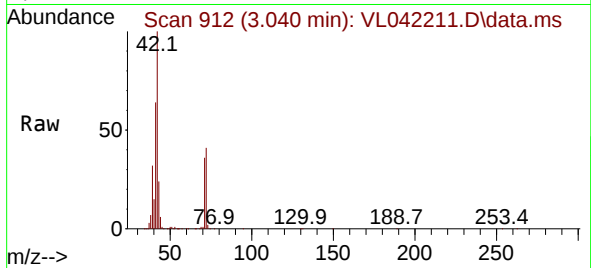
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 10.455 ppbv
RT: 3.040 min Scan# 915
Delta R.T. -0.010 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

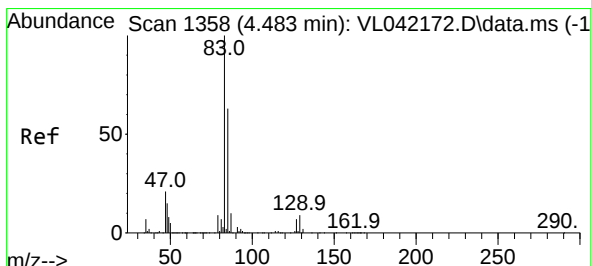
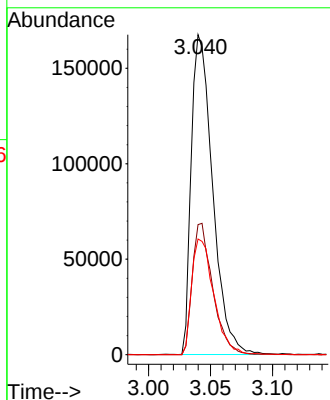
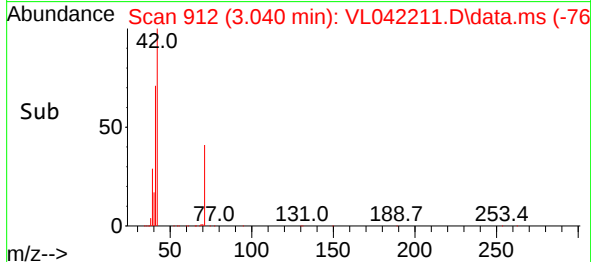
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



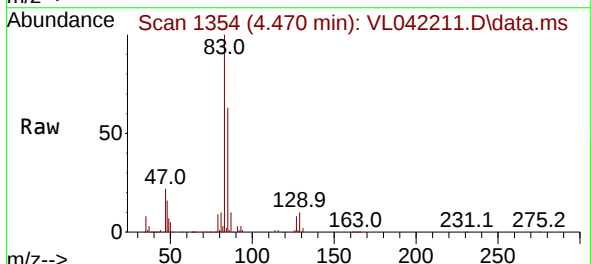
Tgt Ion: 42 Resp: 200859
Ion Ratio Lower Upper
42 100
72 39.2 31.4 47.0
71 37.4 30.2 45.4

Manual Integrations
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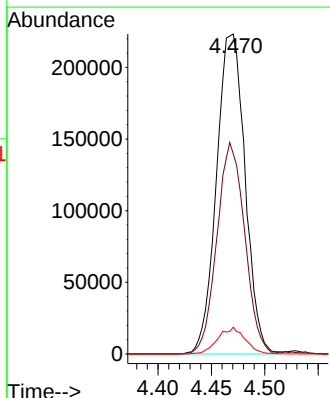
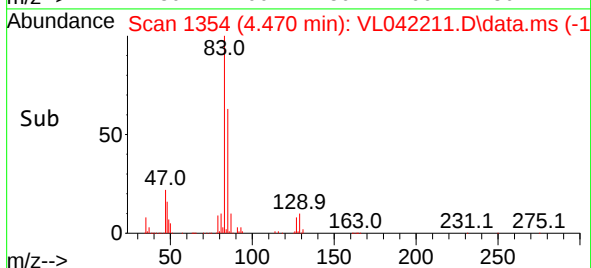
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025

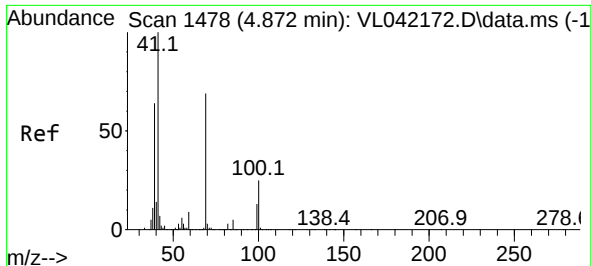


#42
Bromodichloromethane
Concen: 11.563 ppbv
RT: 4.470 min Scan# 1354
Delta R.T. -0.013 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37



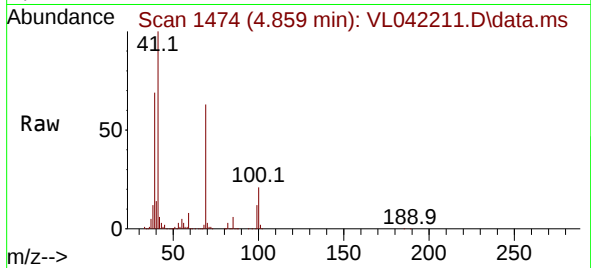
Tgt Ion: 83 Resp: 416274
Ion Ratio Lower Upper
83 100
85 62.6 50.5 75.7
127 8.3 5.9 8.9





#43
Methyl Methacrylate
Concen: 9.954 ppbv
RT: 4.859 min Scan# 1474
Delta R.T. -0.013 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

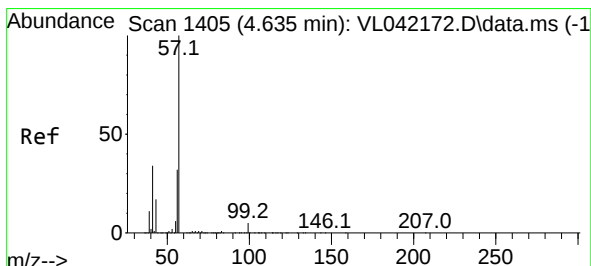
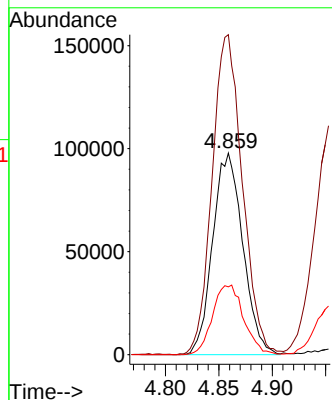
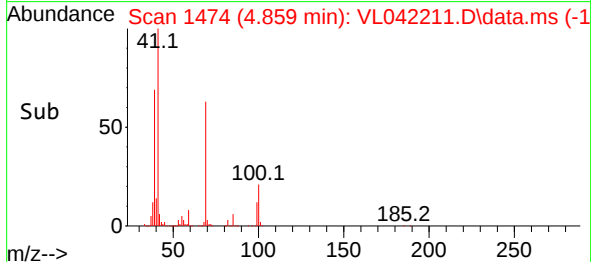
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



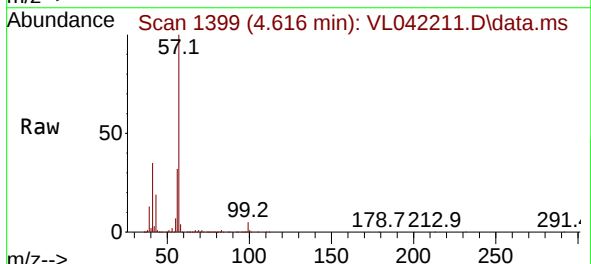
Tgt Ion: 69 Resp: 192210
Ion Ratio Lower Upper
69 100
41 158.4 123.8 185.6
100 35.7 28.4 42.6

Manual Integrations
APPROVED

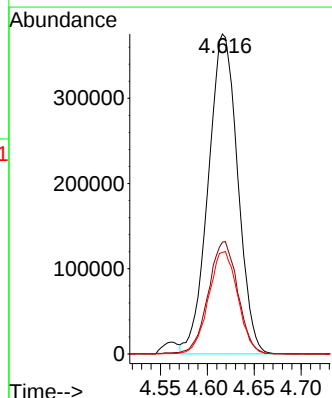
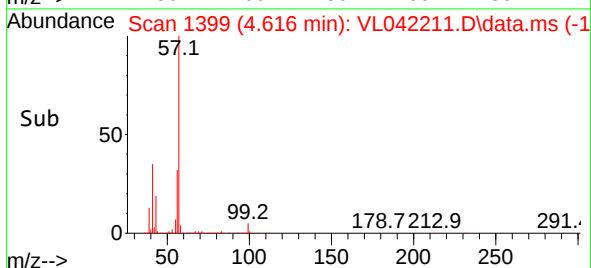
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025

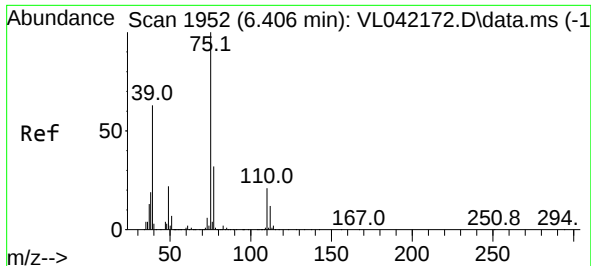


#44
2,2,4-Trimethylpentane
Concen: 10.610 ppbv
RT: 4.616 min Scan# 1399
Delta R.T. -0.019 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37



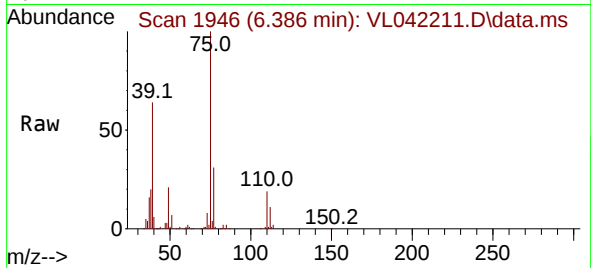
Tgt Ion: 57 Resp: 817788
Ion Ratio Lower Upper
57 100
41 35.2 26.8 40.2
56 31.8 25.6 38.4





#45
 t-1,3-Dichloropropene
 Concen: 10.272 ppbv
 RT: 6.386 min Scan# 1952
 Delta R.T. -0.019 min
 Lab File: VL042211.D
 Acq: 02 Apr 2025 08:37

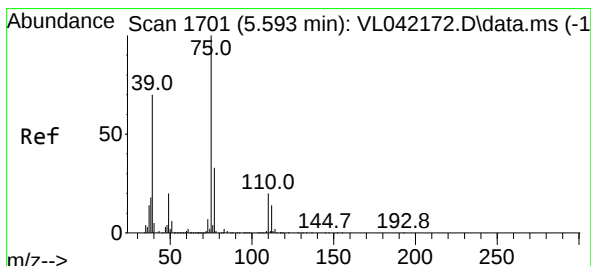
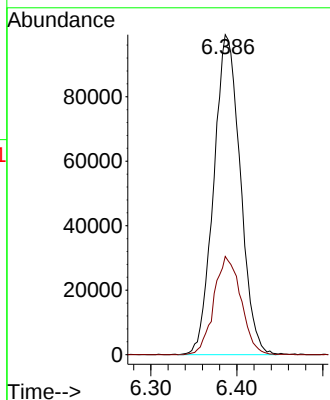
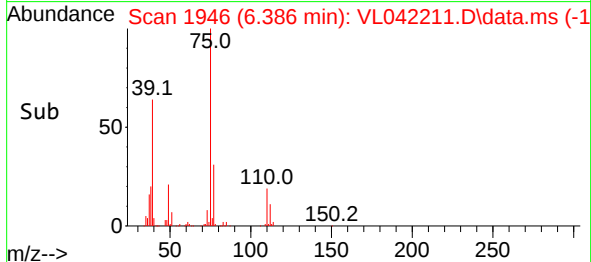
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 75 Resp: 212790
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.0 39.0

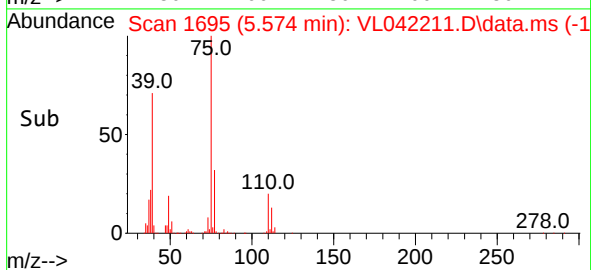
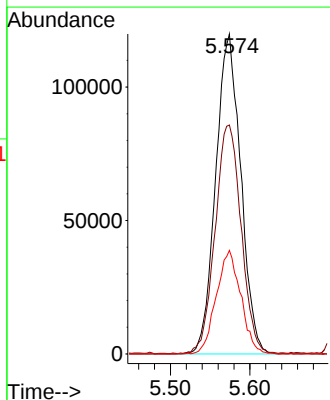
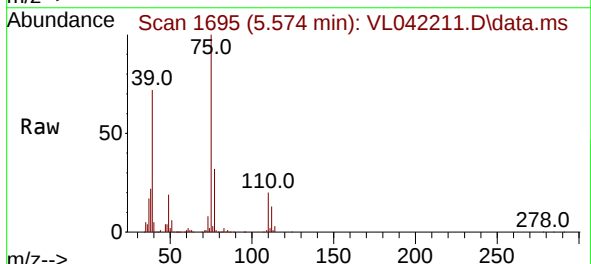
Manual Integrations
 APPROVED

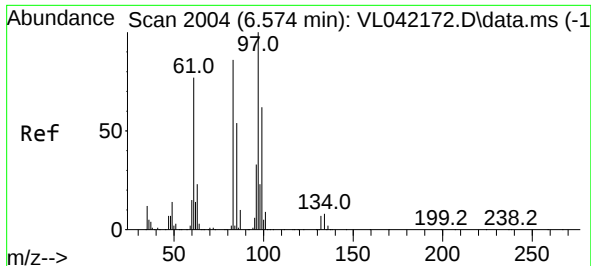
Reviewed By :Semsettin Yesilyurt 04/03/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#46
 cis-1,3-Dichloropropene
 Concen: 10.338 ppbv
 RT: 5.574 min Scan# 1695
 Delta R.T. -0.019 min
 Lab File: VL042211.D
 Acq: 02 Apr 2025 08:37

Tgt Ion: 75 Resp: 262520
 Ion Ratio Lower Upper
 75 100
 39 71.5 55.8 83.6
 77 32.4 26.0 39.0





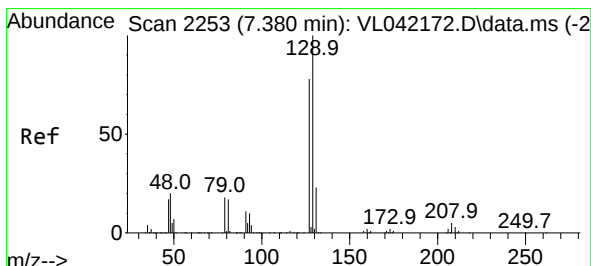
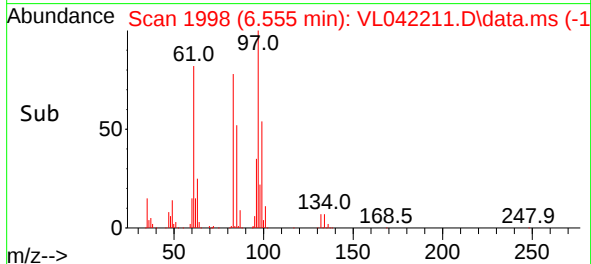
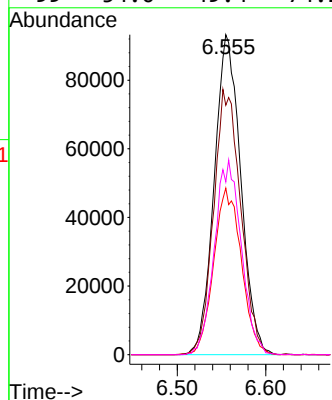
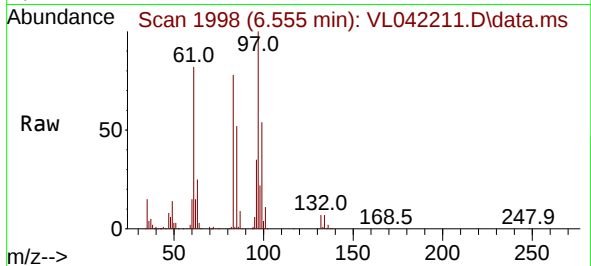
#47
1,1,2-Trichloroethane
Concen: 11.056 ppbv
RT: 6.555 min Scan# 19413
Delta R.T. -0.019 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:	97	Resp:	19413
Ion	Ratio	Lower	Upper
97	100		
83	78.0	69.2	103.8
85	52.1	43.1	64.7
99	54.0	49.4	74.2

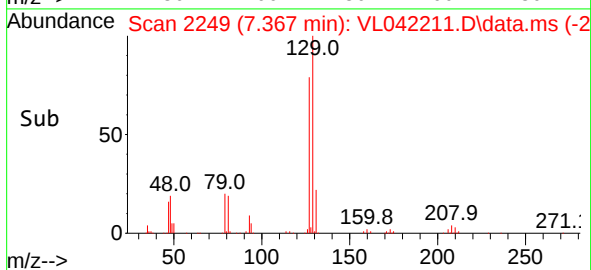
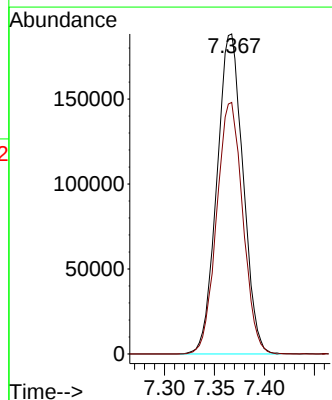
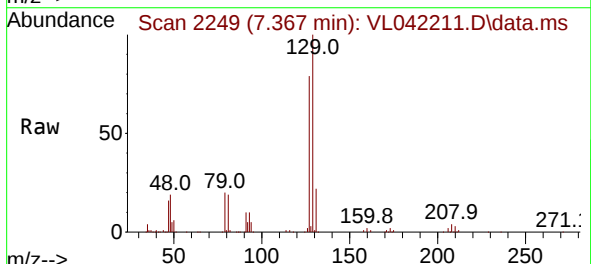
Manual Integrations
APPROVED

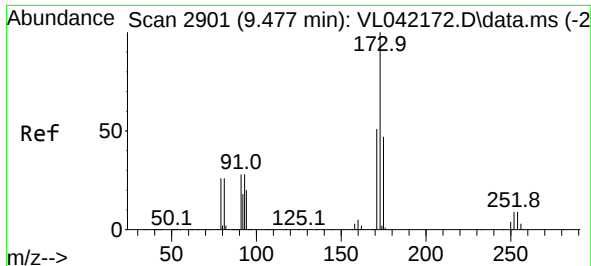
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#48
Dibromochloromethane
Concen: 11.518 ppbv
RT: 7.367 min Scan# 2249
Delta R.T. -0.013 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

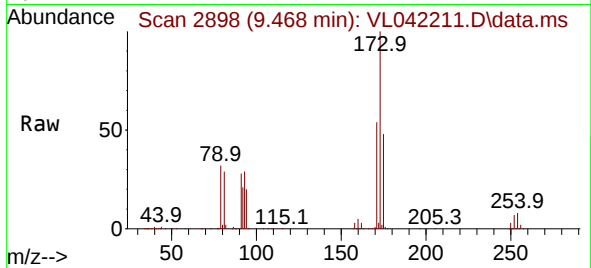
Tgt Ion:	129	Resp:	342757
Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.1	117.2





#49
Bromoform
Concen: 11.030 ppbv
RT: 9.468 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

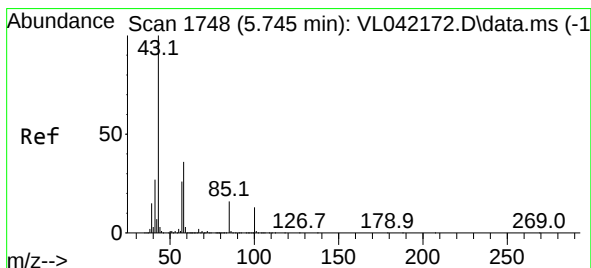
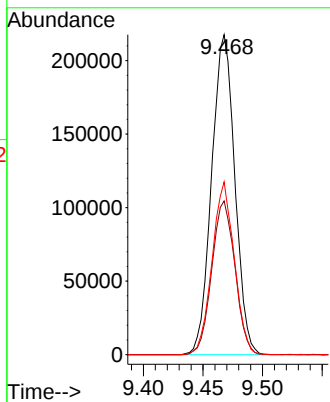
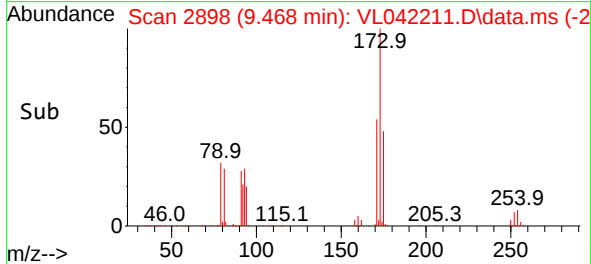
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:173 Resp: 294684
Ion Ratio Lower Upper
173 100
175 47.9 38.6 57.8
171 51.6 41.8 62.6

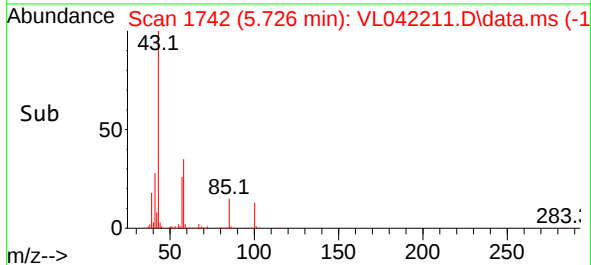
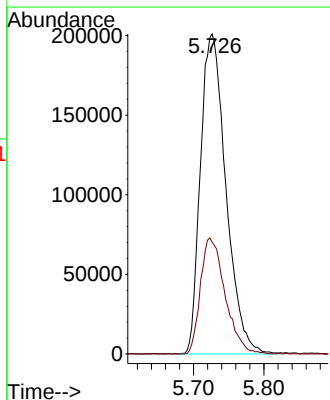
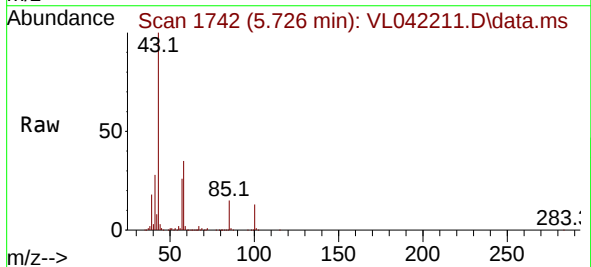
Manual Integrations
APPROVED

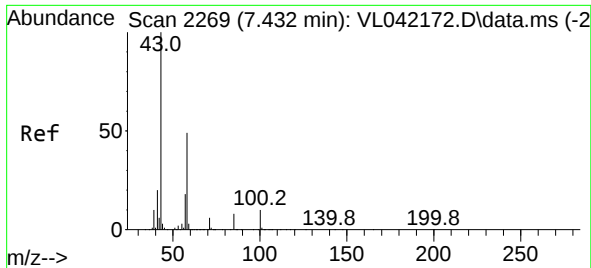
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#50
4-Methyl-2-Pentanone
Concen: 9.560 ppbv
RT: 5.726 min Scan# 1742
Delta R.T. -0.019 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

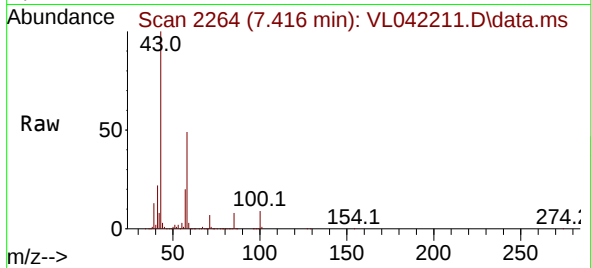
Tgt Ion: 43 Resp: 505465
Ion Ratio Lower Upper
43 100
58 35.0 29.0 43.6





#51
2-Hexanone
Concen: 9.258 ppbv
RT: 7.416 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

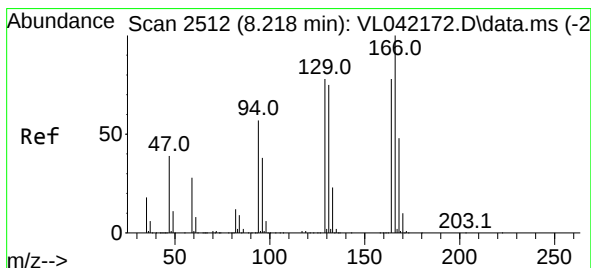
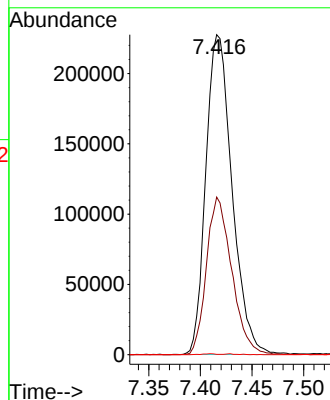
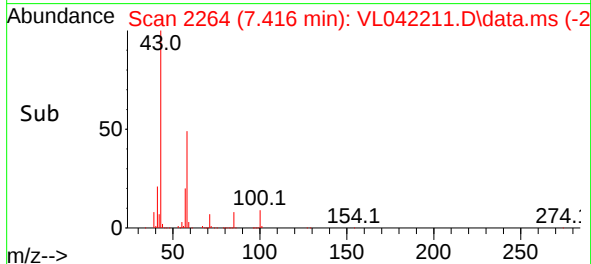
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 401958
Ion Ratio Lower Upper
43 100
58 47.7 39.7 59.5
98 0.3 0.1 0.1

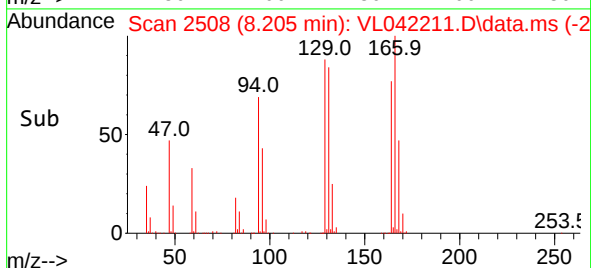
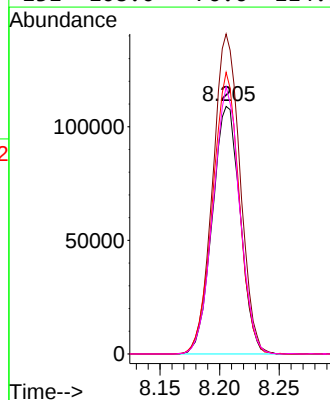
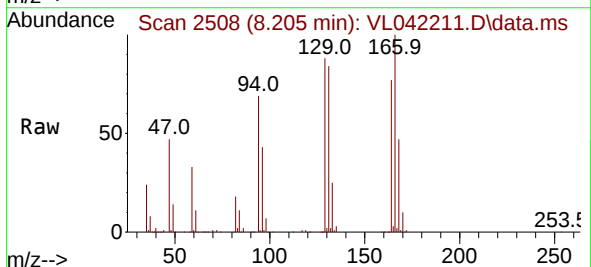
Manual Integrations
APPROVED

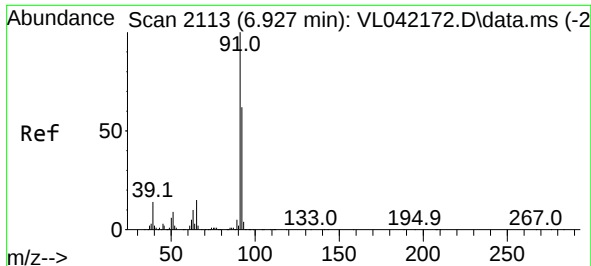
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#52
Tetrachloroethene
Concen: 9.762 ppbv
RT: 8.205 min Scan# 2508
Delta R.T. -0.013 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

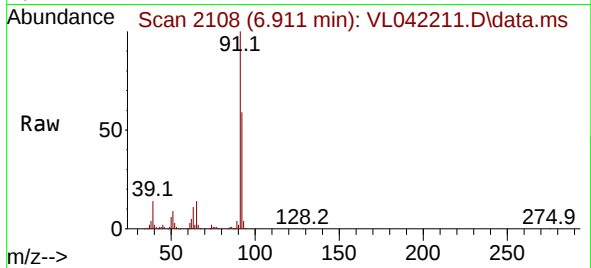
Tgt Ion:164 Resp: 176588
Ion Ratio Lower Upper
164 100
166 129.1 102.5 153.7
129 113.5 79.8 119.8
131 108.0 76.6 114.8





#53
Toluene
Concen: 10.469 ppbv
RT: 6.911 min Scan# 2108
Delta R.T. -0.016 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

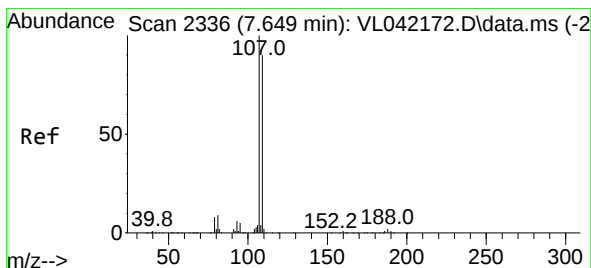
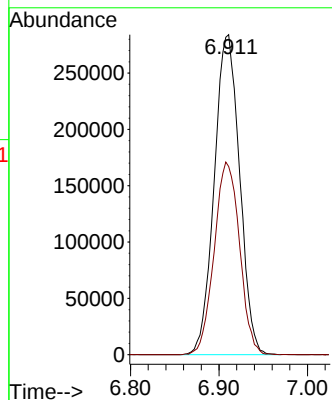
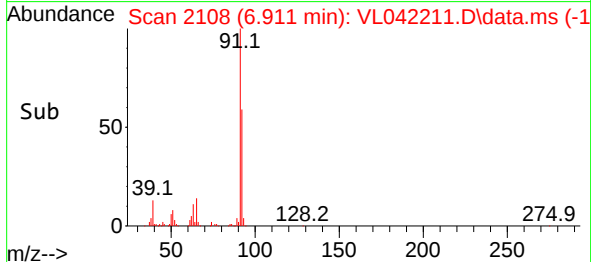
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



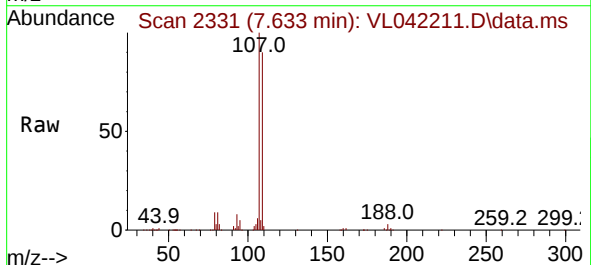
Tgt Ion: 91 Resp: 566070
Ion Ratio Lower Upper
91 100
92 60.2 48.4 72.6

Manual Integrations
APPROVED

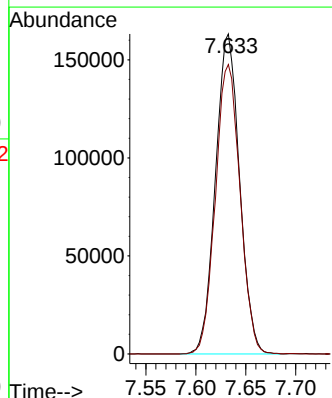
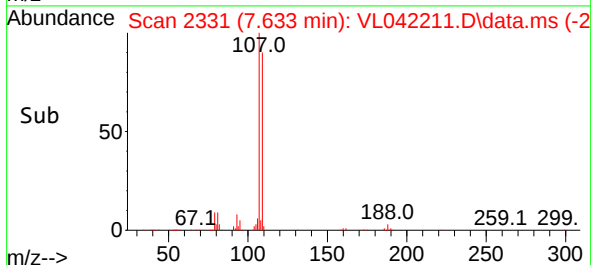
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025

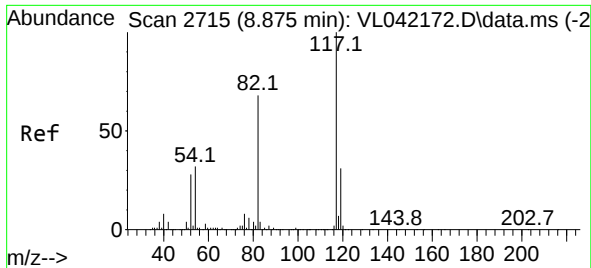


#54
1,2-Dibromoethane
Concen: 11.178 ppbv
RT: 7.633 min Scan# 2331
Delta R.T. -0.016 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37



Tgt Ion:107 Resp: 273624
Ion Ratio Lower Upper
107 100
109 90.5 72.2 108.4





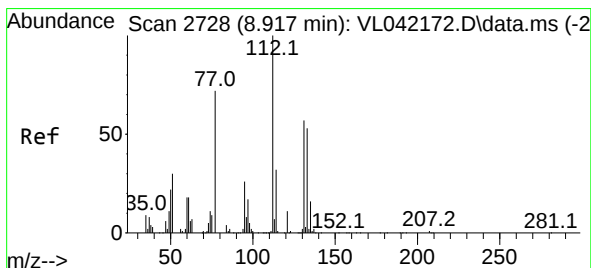
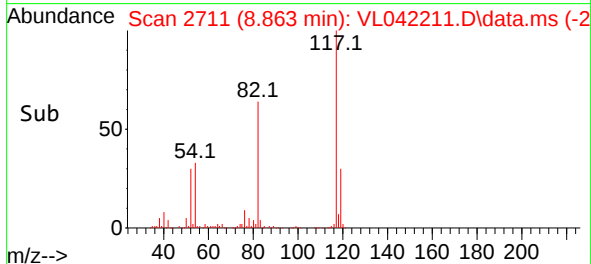
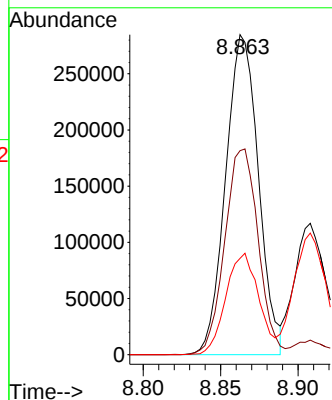
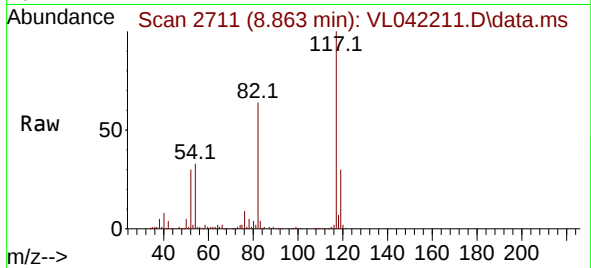
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.863 min Scan# 2715
Delta R.T. -0.013 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 42049
Ion Ratio Lower Upper
117 100
82 69.6 55.8 83.6
119 31.8 25.5 38.3

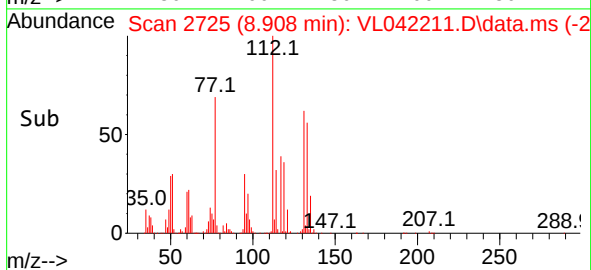
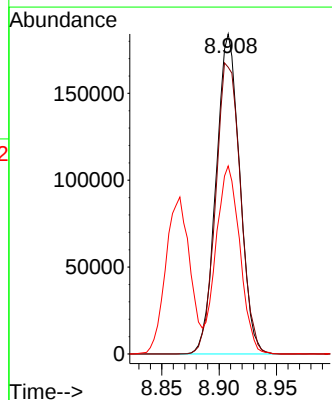
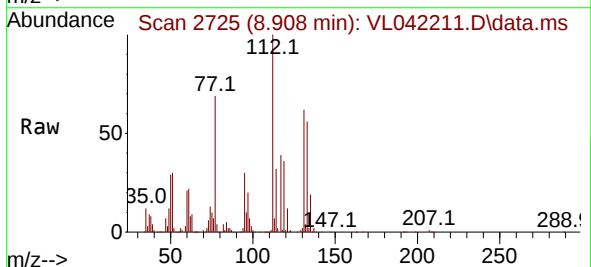
Manual Integrations
APPROVED

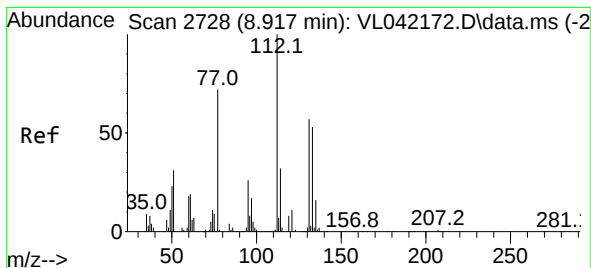
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 11.430 ppbv
RT: 8.908 min Scan# 2725
Delta R.T. -0.010 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Tgt Ion:131 Resp: 264557
Ion Ratio Lower Upper
131 100
133 95.4 76.6 114.8
119 60.5 49.8 74.6





#57

Chlorobenzene

Concen: 11.190 ppbv

RT: 8.905 min Scan# 21

Delta R.T. -0.013 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:112 Resp: 446290

Ion Ratio Lower Upper

112 100

77 68.1 58.2 87.2

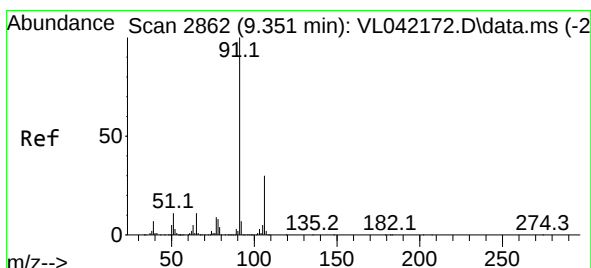
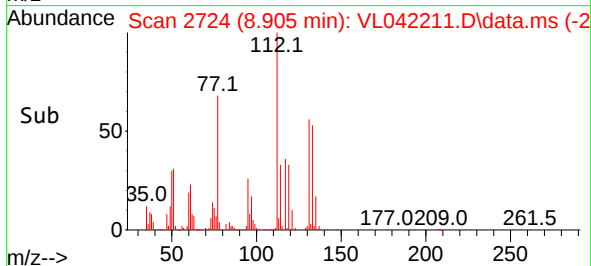
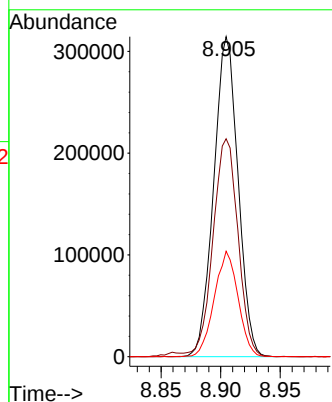
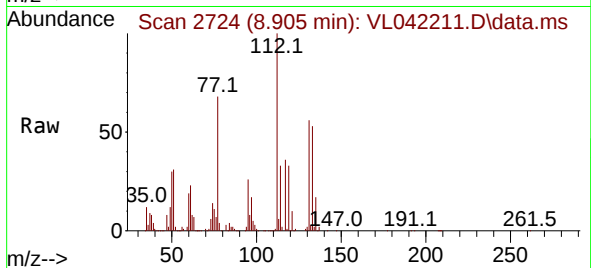
114 32.9 29.1 35.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/03/2025

Supervised By :Mahesh Dadoda 04/03/2025



#58

Ethyl Benzene

Concen: 10.804 ppbv

RT: 9.338 min Scan# 2858

Delta R.T. -0.013 min

Lab File: VL042211.D

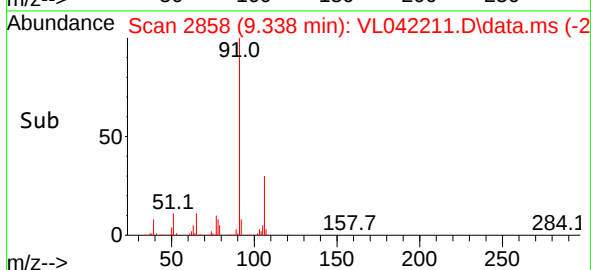
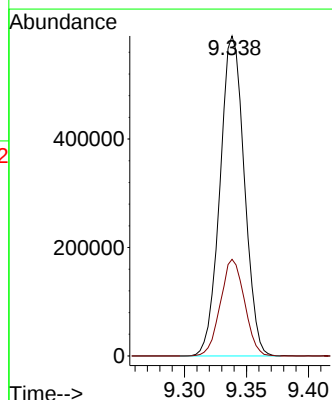
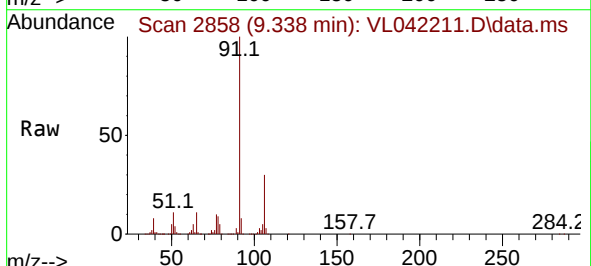
Acq: 02 Apr 2025 08:37

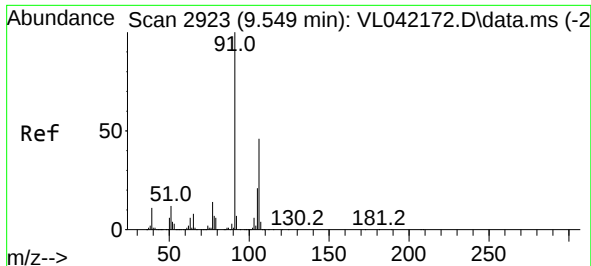
Tgt Ion: 91 Resp: 806990

Ion Ratio Lower Upper

91 100

106 30.2 24.2 36.2





#59

m/p-Xylene

Concen: 22.039 ppbv m

RT: 9.536 min Scan# 2919

Delta R.T. -0.013 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 1314419

Ion Ratio Lower Upper

91 100

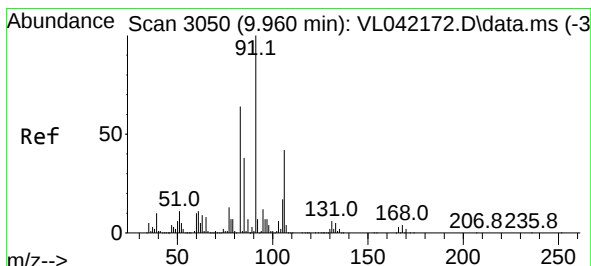
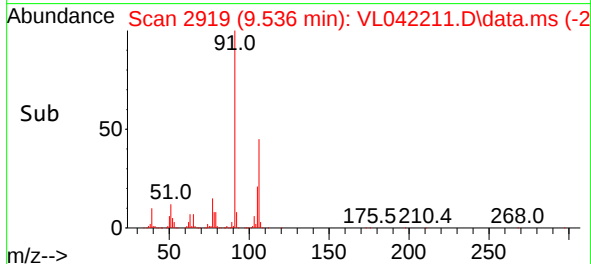
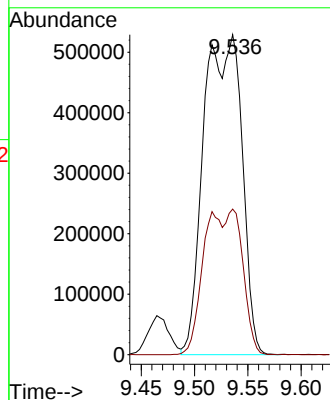
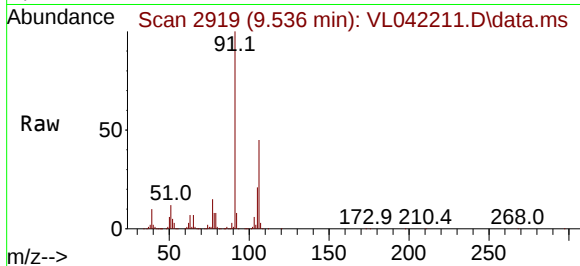
106 45.9 36.4 54.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/03/2025

Supervised By :Mahesh Dadoda 04/03/2025



#60

o-Xylene

Concen: 11.051 ppbv

RT: 9.947 min Scan# 3046

Delta R.T. -0.013 min

Lab File: VL042211.D

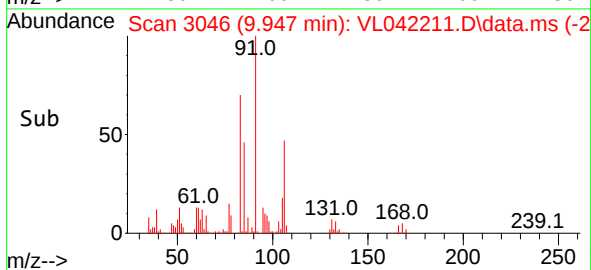
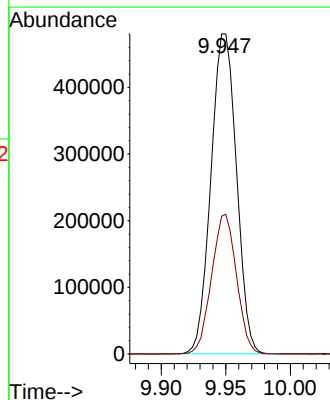
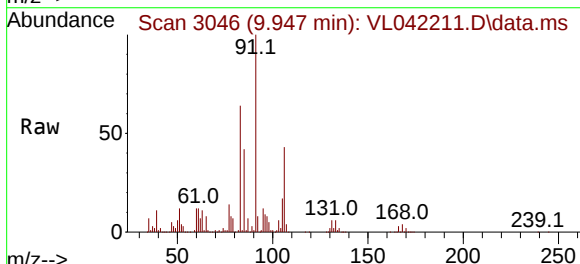
Acq: 02 Apr 2025 08:37

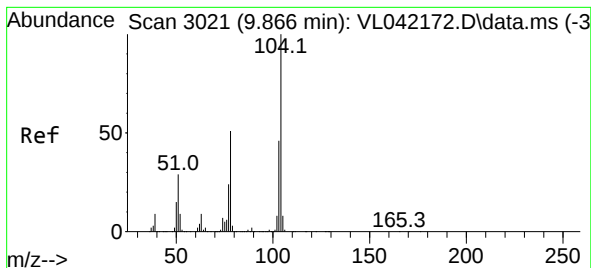
Tgt Ion: 91 Resp: 660713

Ion Ratio Lower Upper

91 100

106 42.6 20.8 62.5





#61

Styrene

Concen: 10.730 ppbv

RT: 9.856 min Scan# 3021

Delta R.T. -0.010 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

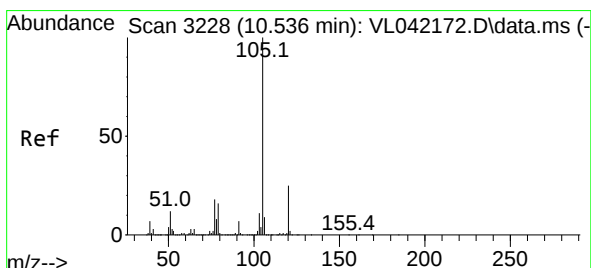
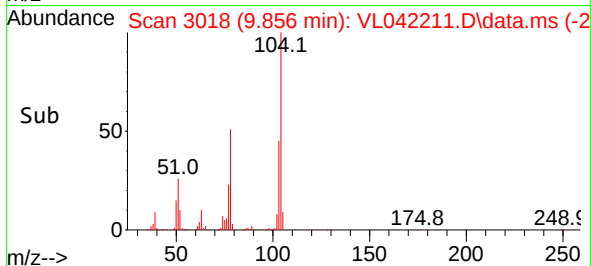
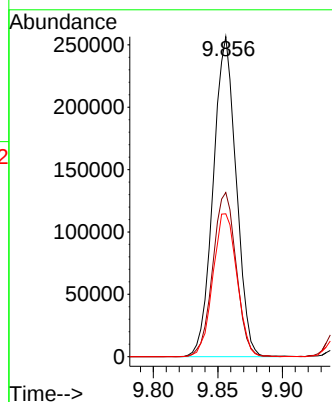
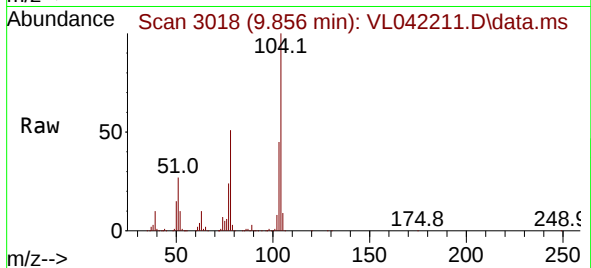
VSTDCCC010

Tgt Ion:104 Resp: 317390
 Ion Ratio Lower Upper
 104 100
 78 52.3 41.8 62.6
 103 47.0 37.0 55.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/03/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#62

Isopropylbenzene

Concen: 11.123 ppbv

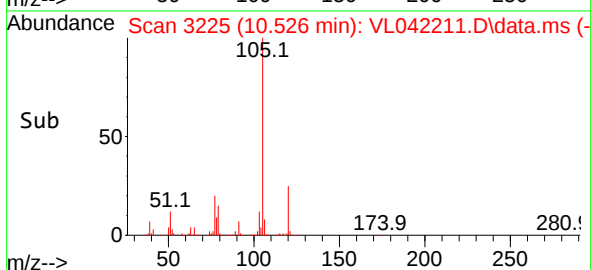
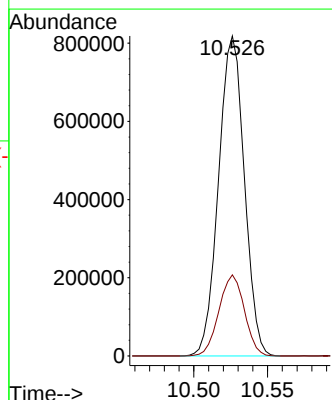
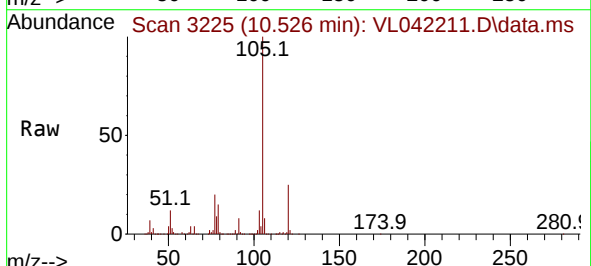
RT: 10.526 min Scan# 3225

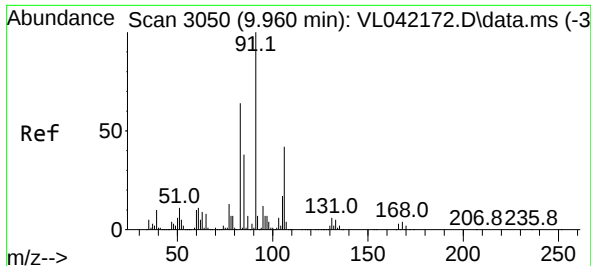
Delta R.T. -0.010 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Tgt Ion:105 Resp: 994497
 Ion Ratio Lower Upper
 105 100
 120 25.0 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 11.014 ppbv

RT: 9.947 min Scan# 3046

Delta R.T. -0.013 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 400095

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.4

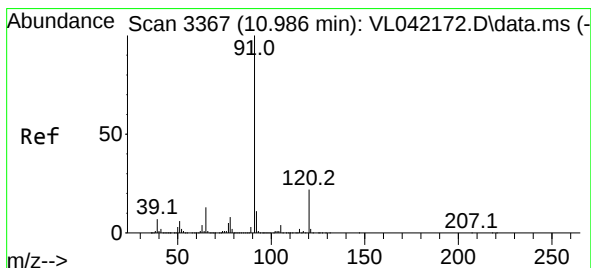
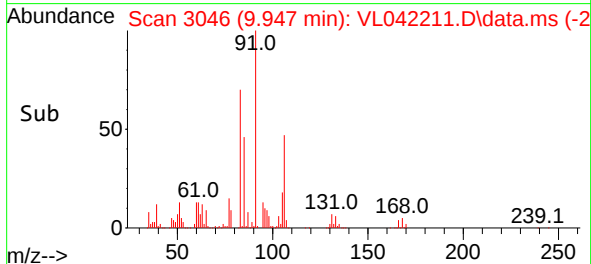
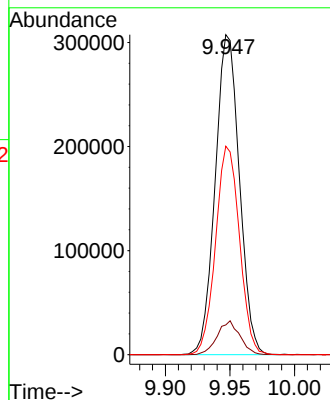
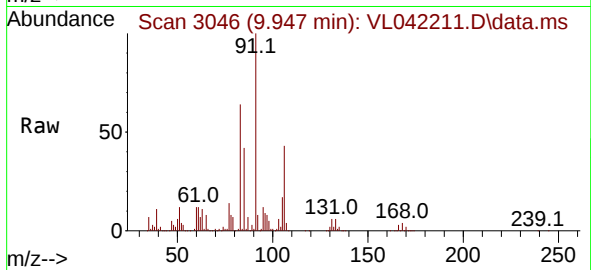
85 64.3 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/03/2025

Supervised By :Mahesh Dadoda 04/03/2025



#64

n-propylbenzene

Concen: 11.200 ppbv

RT: 10.976 min Scan# 3364

Delta R.T. -0.010 min

Lab File: VL042211.D

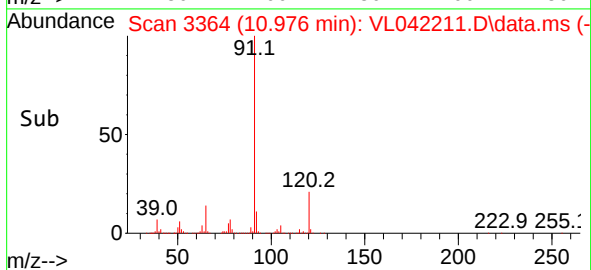
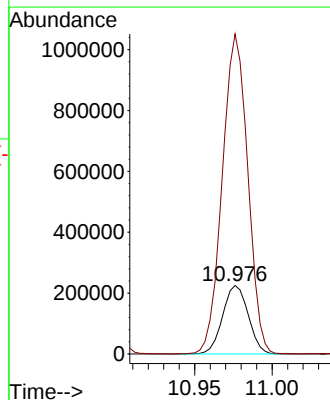
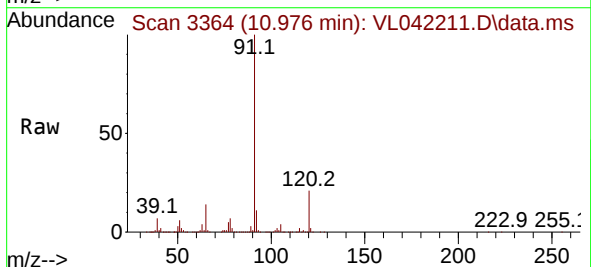
Acq: 02 Apr 2025 08:37

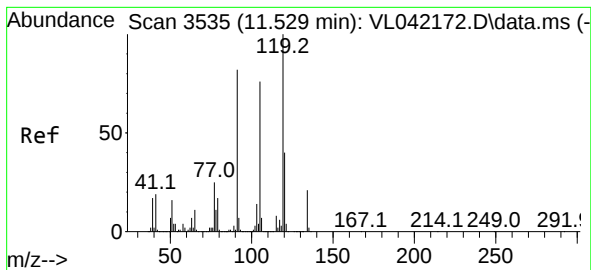
Tgt Ion:120 Resp: 257771

Ion Ratio Lower Upper

120 100

91 466.3 376.9 565.3





#65

tert-Butylbenzene

Concen: 10.824 ppbv

RT: 11.520 min Scan# 31

Delta R.T. -0.010 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

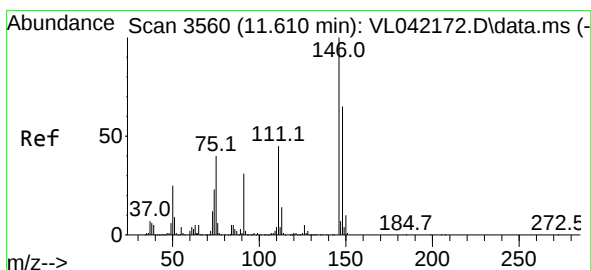
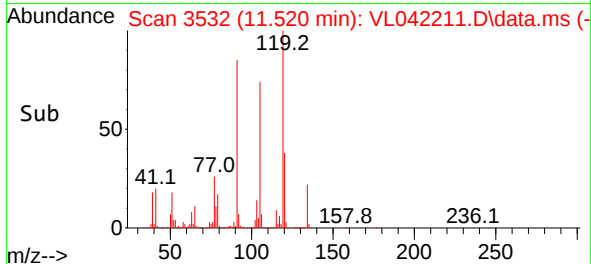
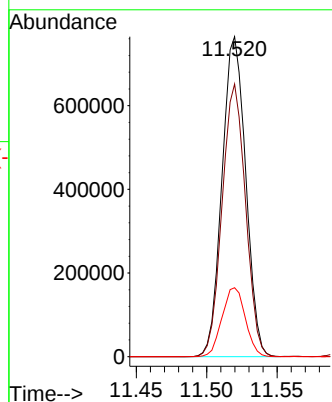
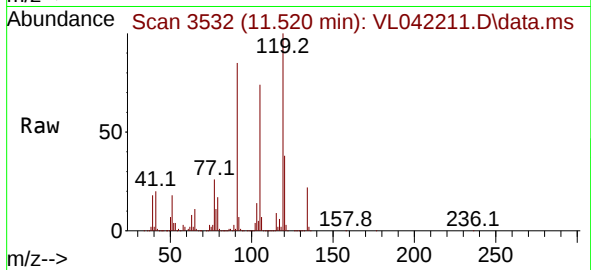
Tgt Ion: 119 Resp: 895028

Ion	Ratio	Lower	Upper
119	100		
91	84.3	66.0	99.0
134	21.2	16.7	25.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#66

Benzyl Chloride

Concen: 8.690 ppbv

RT: 11.604 min Scan# 3558

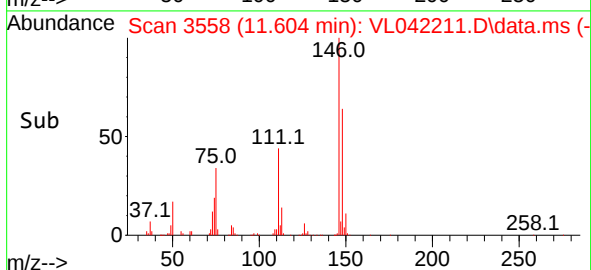
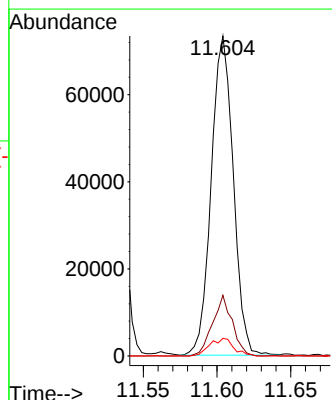
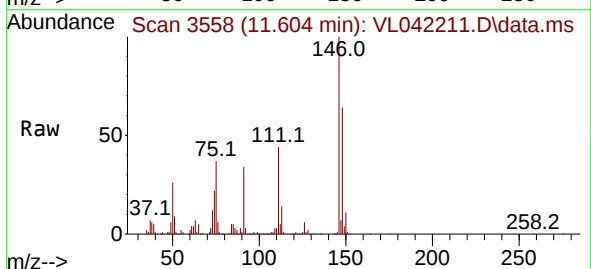
Delta R.T. -0.006 min

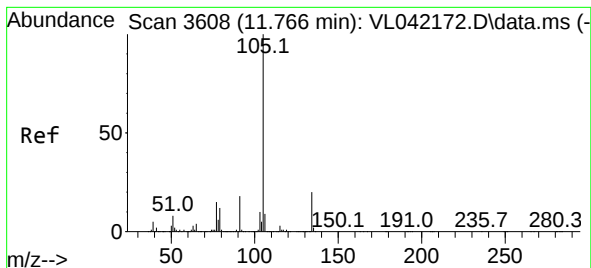
Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Tgt Ion: 91 Resp: 76249

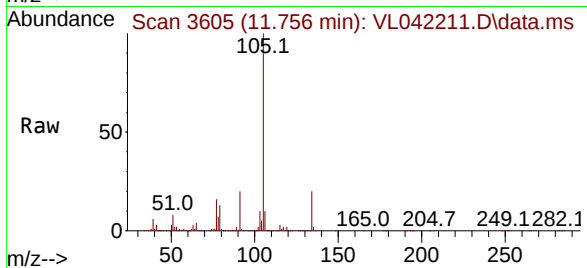
Ion	Ratio	Lower	Upper
91	100		
126	17.0	13.8	20.6
128	6.0	4.5	6.7





#67
 sec-Butylbenzene
 Concen: 10.843 ppbv
 RT: 11.756 min Scan# 3174
 Delta R.T. -0.010 min
 Lab File: VL042211.D
 Acq: 02 Apr 2025 08:37

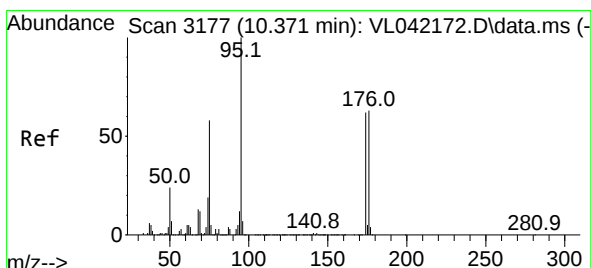
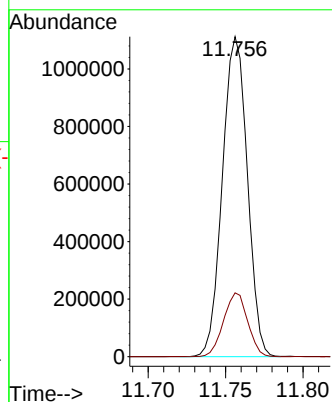
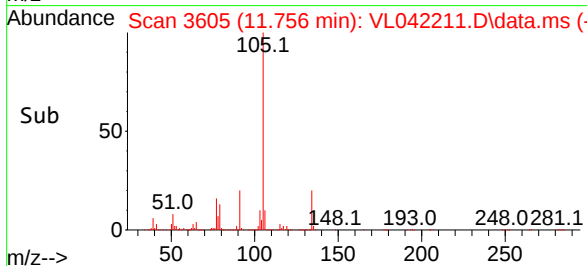
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:105 Resp: 1246274
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.5 23.3

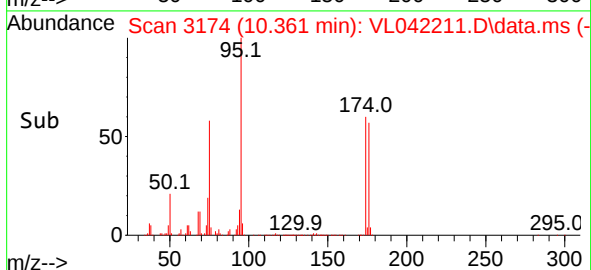
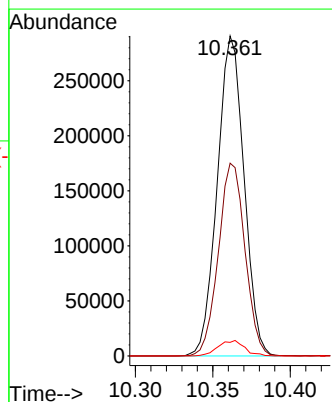
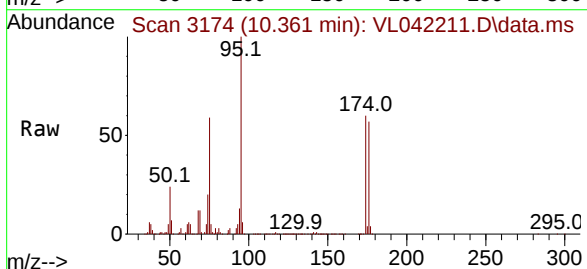
Manual Integrations
 APPROVED

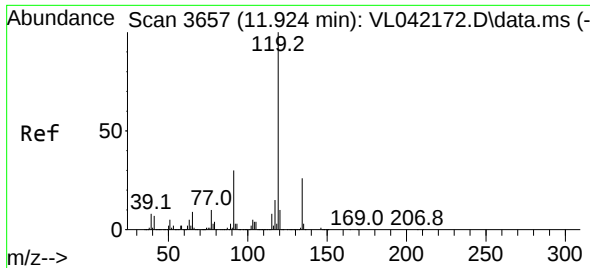
Reviewed By :Semsettin Yesilyurt 04/03/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.104 ppbv
 RT: 10.361 min Scan# 3174
 Delta R.T. -0.010 min
 Lab File: VL042211.D
 Acq: 02 Apr 2025 08:37

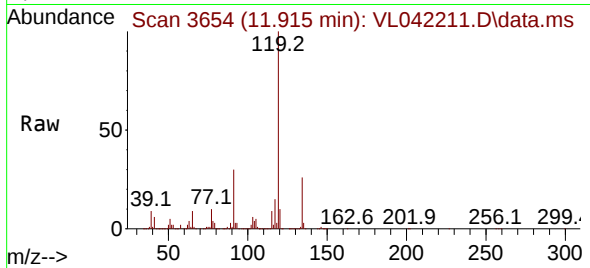
Tgt Ion: 95 Resp: 348908
 Ion Ratio Lower Upper
 95 100
 174 59.9 50.6 76.0
 175 4.8 3.8 5.6





#69
p-Isopropyltoluene
Concen: 10.977 ppbv
RT: 11.915 min Scan# 3654
Delta R.T. -0.010 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

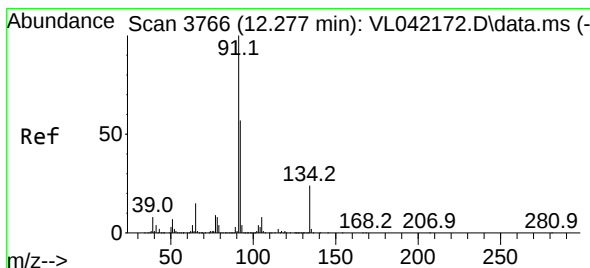
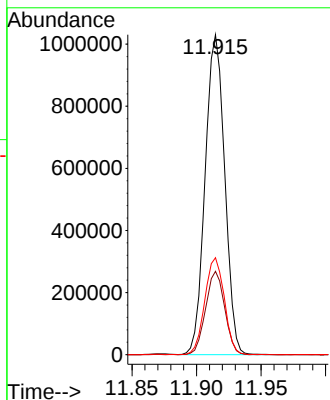
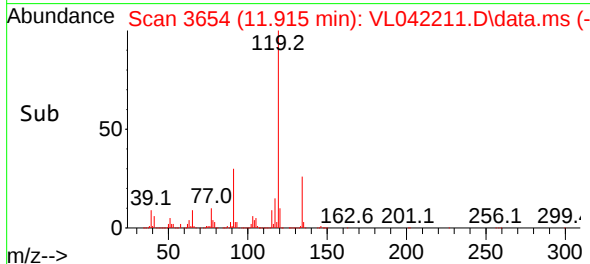
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



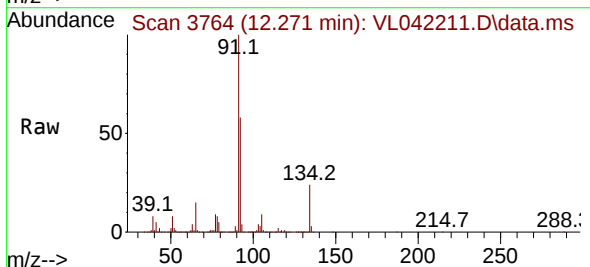
Tgt Ion:119 Resp: 1086370
Ion Ratio Lower Upper
119 100
134 25.4 20.4 30.6
91 30.2 23.7 35.5

Manual Integrations
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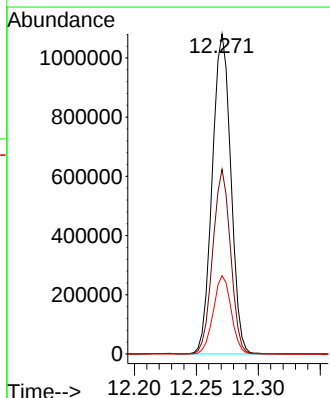
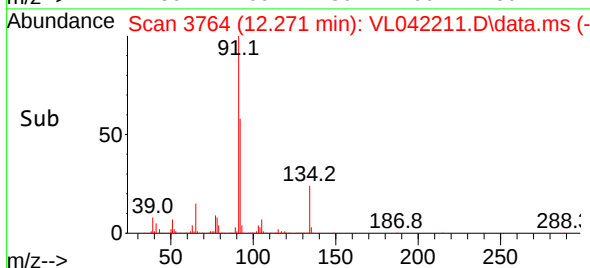
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025

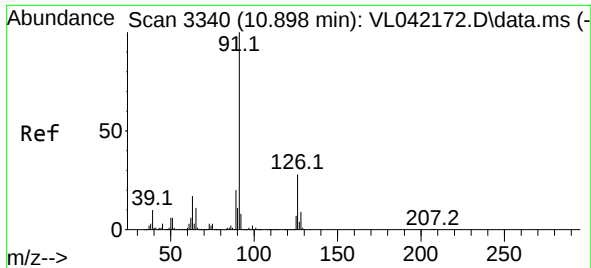


#70
n-Butylbenzene
Concen: 11.157 ppbv
RT: 12.271 min Scan# 3764
Delta R.T. -0.006 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37



Tgt Ion: 91 Resp: 1129204
Ion Ratio Lower Upper
91 100
92 55.6 44.9 67.3
134 23.6 19.2 28.8





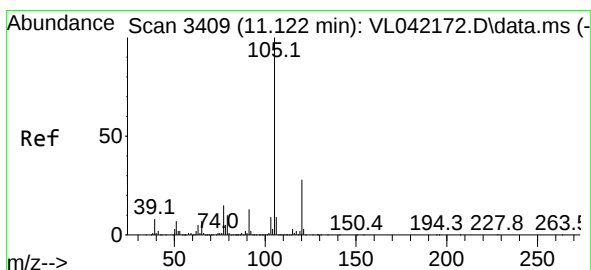
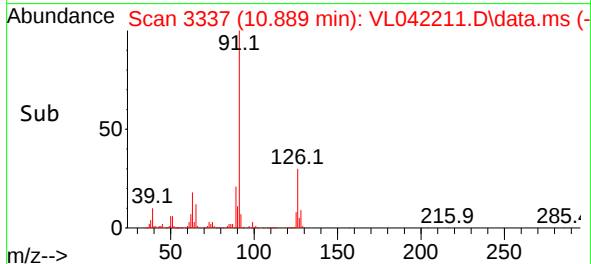
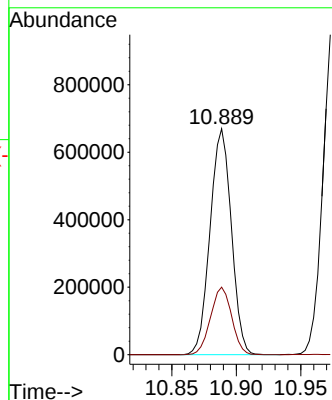
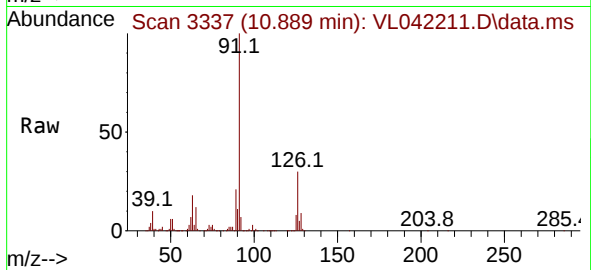
#71
2-Chlorotoluene
Concen: 11.053 ppbv
RT: 10.889 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 76702
Ion Ratio Lower Upper
91 100
126 29.6 11.6 46.4

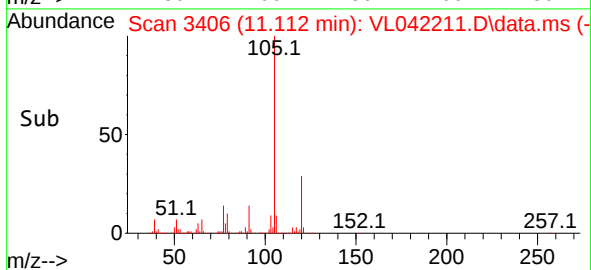
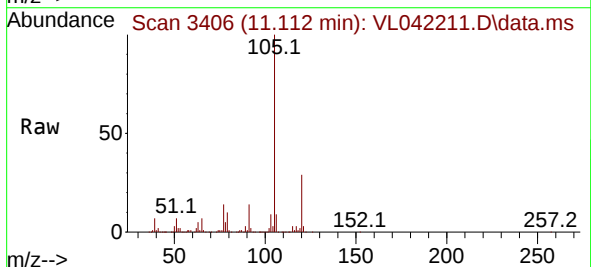
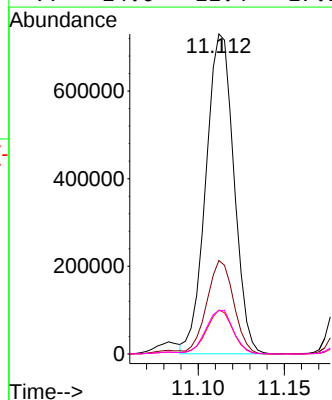
Manual Integrations
APPROVED

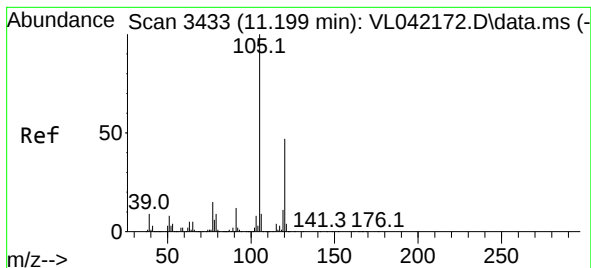
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#72
4-Ethyltoluene
Concen: 11.116 ppbv
RT: 11.112 min Scan# 3406
Delta R.T. -0.010 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Tgt Ion:105 Resp: 827487
Ion Ratio Lower Upper
105 100
120 29.2 23.4 35.0
91 13.4 10.3 15.5
77 14.0 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 11.031 ppbv

RT: 11.193 min Scan# 3433

Delta R.T. -0.006 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 71717

Ion Ratio Lower Upper

105 100

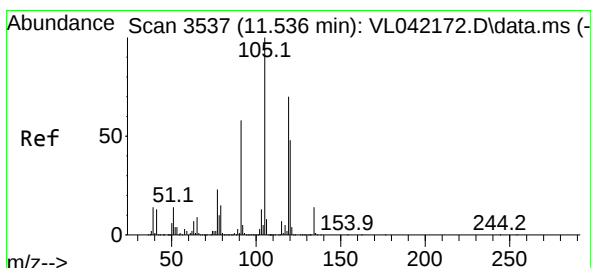
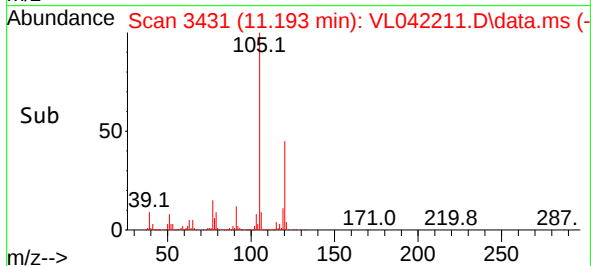
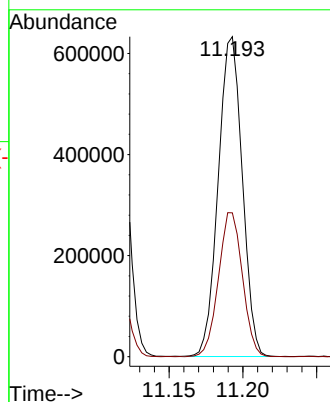
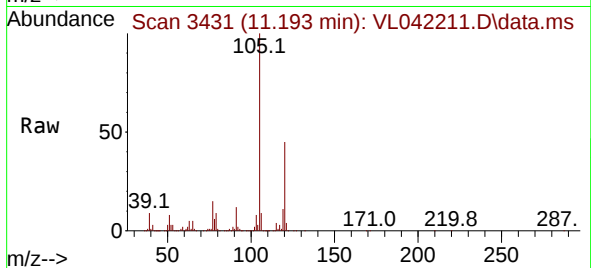
120 45.0 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/03/2025

Supervised By :Mahesh Dadoda 04/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.447 ppbv

RT: 11.526 min Scan# 3534

Delta R.T. -0.010 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Tgt Ion:105 Resp: 782472

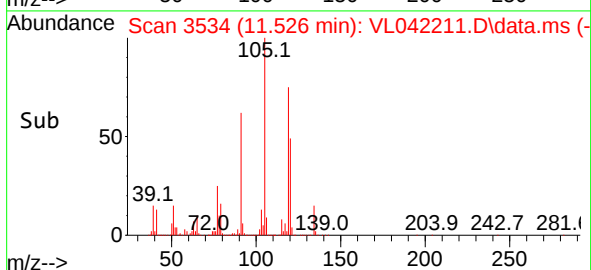
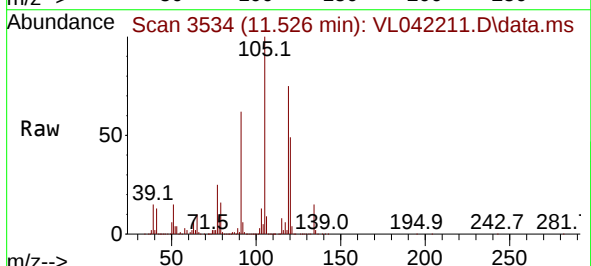
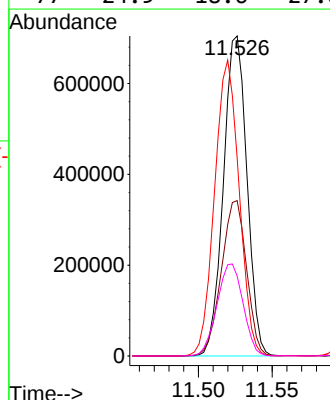
Ion Ratio Lower Upper

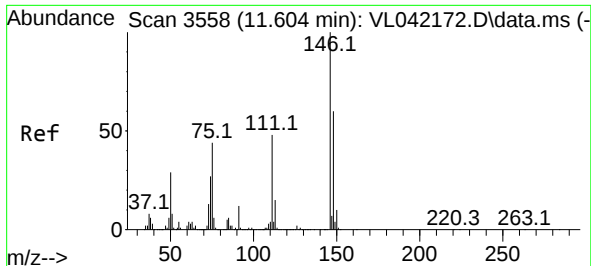
105 100

120 48.6 38.6 58.0

91 61.8 46.2 69.2

77 24.9 18.6 27.8





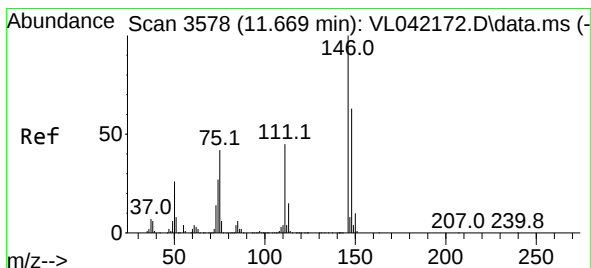
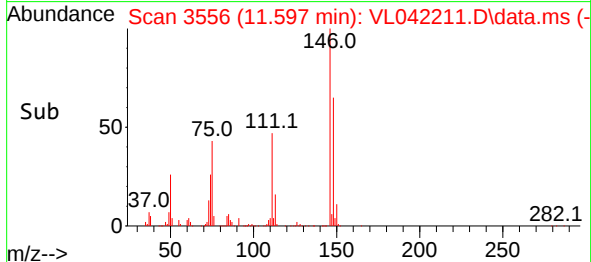
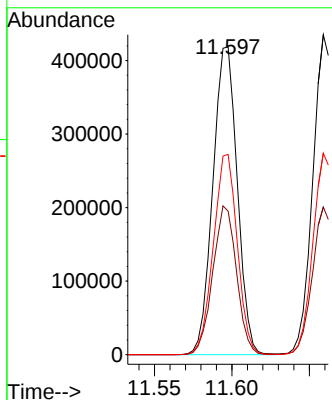
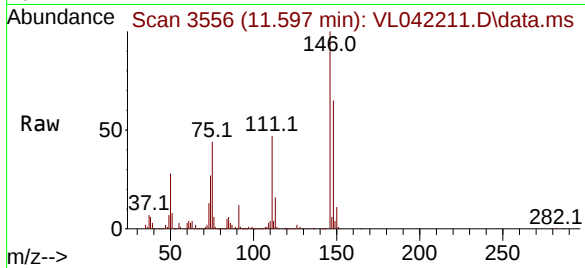
#75
1,3-Dichlorobenzene
Concen: 11.168 ppbv
RT: 11.597 min Scan# 3556
Delta R.T. -0.006 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 458800
Ion Ratio Lower Upper
146 100
111 46.9 23.8 71.2
148 63.9 31.9 95.9

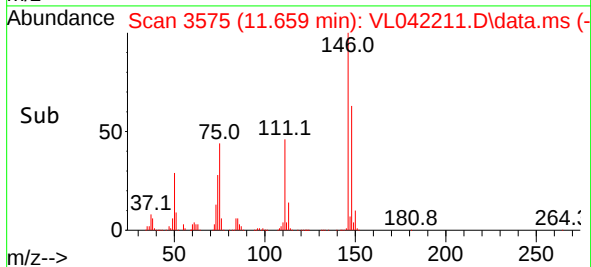
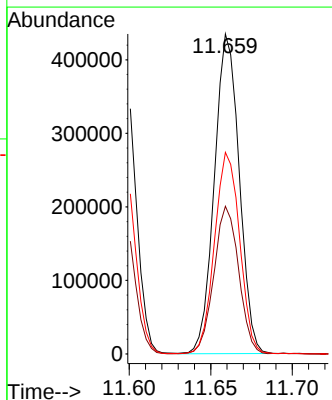
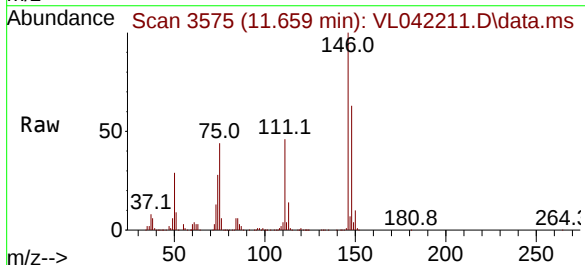
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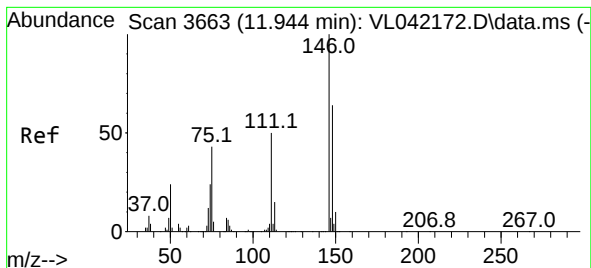
Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#76
1,4-Dichlorobenzene
Concen: 11.256 ppbv
RT: 11.659 min Scan# 3575
Delta R.T. -0.010 min
Lab File: VL042211.D
Acq: 02 Apr 2025 08:37

Tgt Ion:146 Resp: 460192
Ion Ratio Lower Upper
146 100
111 46.4 23.0 69.0
148 64.0 31.9 95.7





#77

1,2-Dichlorobenzene

Concen: 11.319 ppbv

RT: 11.937 min Scan# 30

Delta R.T. -0.006 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 452758

Ion Ratio Lower Upper

146 100

111 48.6 24.8 74.3

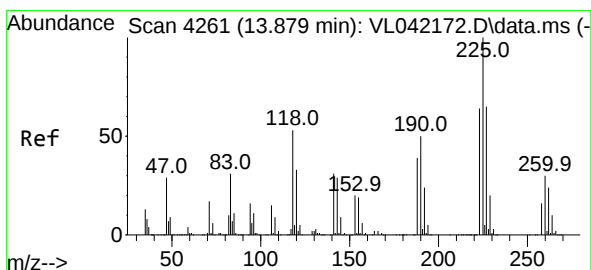
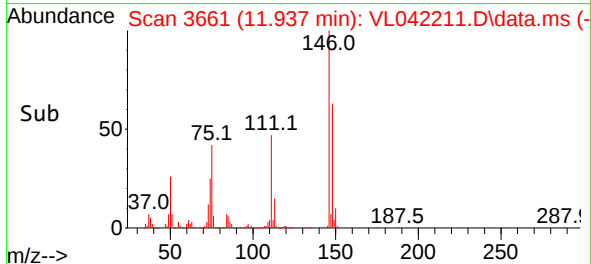
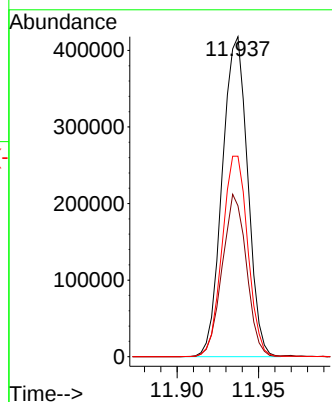
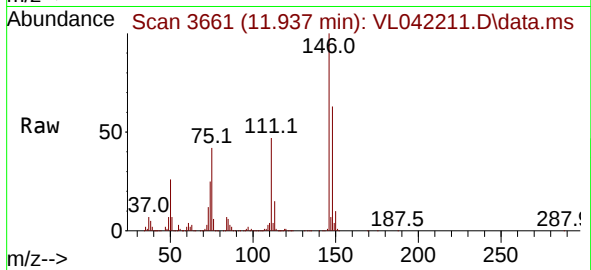
148 63.1 31.6 94.8

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Reviewed By :Semsettin Yesilyurt 04/03/2025

Supervised By :Mahesh Dadoda 04/03/2025



#78

Hexachloro-1,3-Butadiene

Concen: 9.484 ppbv

RT: 13.870 min Scan# 4258

Delta R.T. -0.010 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

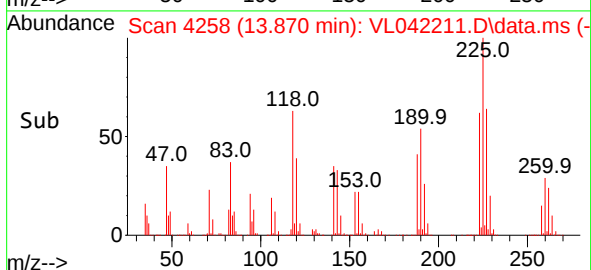
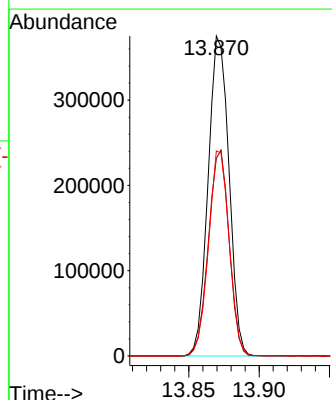
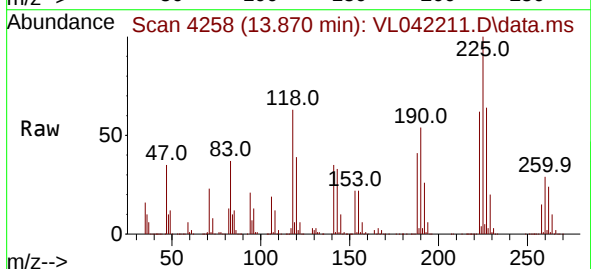
Tgt Ion:225 Resp: 386126

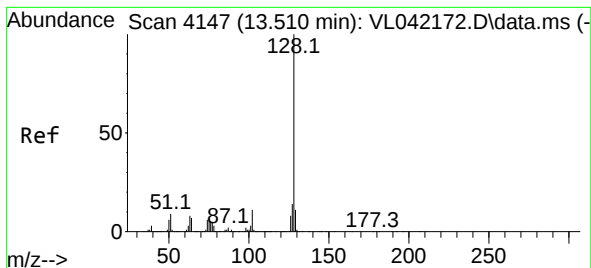
Ion Ratio Lower Upper

225 100

223 63.8 50.6 76.0

227 63.5 51.2 76.8





#79

Naphthalene

Concen: 11.455 ppbv

RT: 13.504 min Scan# 4147

Delta R.T. -0.006 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

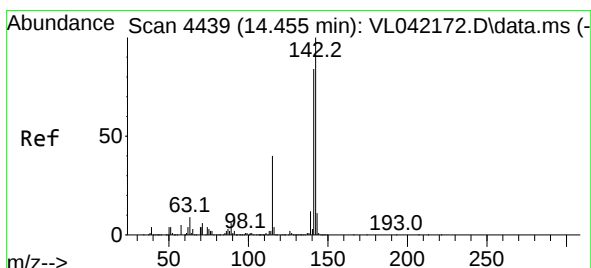
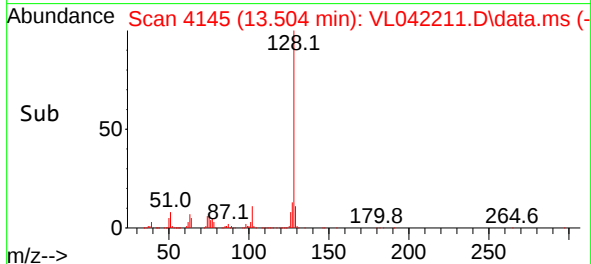
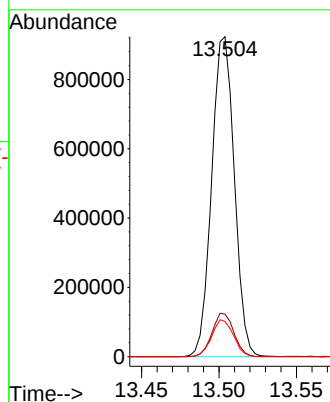
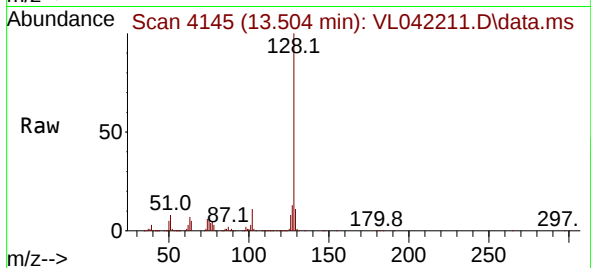
VSTDCCC010

Tgt Ion:128	Resp: 93853
Ion Ratio	Lower Upper
128 100	
127 13.3	10.8 16.2
129 11.0	9.0 13.4

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Reviewed By :Semsettin Yesilyurt 04/03/2025
Supervised By :Mahesh Dadoda 04/03/2025



#80

Naphthalene,2-methyl-

Concen: 11.951 ppbv

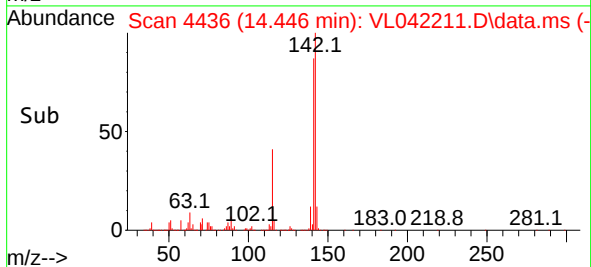
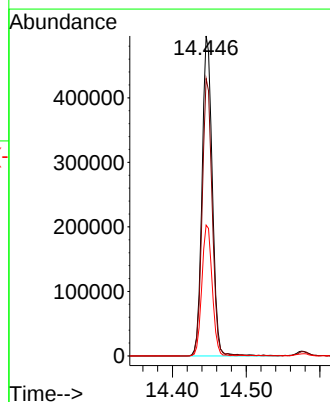
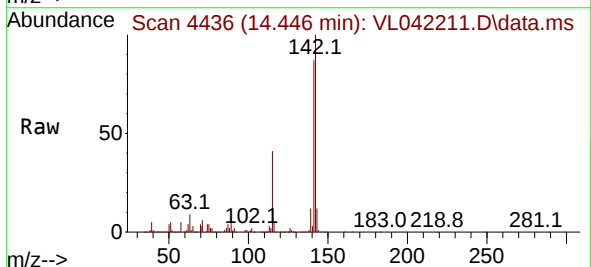
RT: 14.446 min Scan# 4436

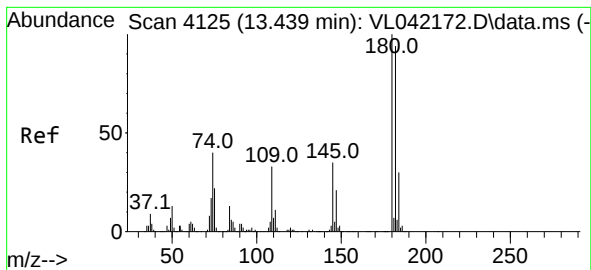
Delta R.T. -0.010 min

Lab File: VL042211.D

Acq: 02 Apr 2025 08:37

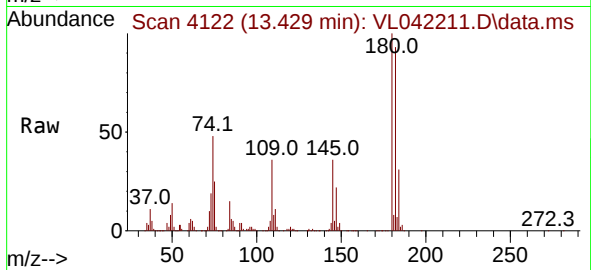
Tgt Ion:142	Resp: 480160
Ion Ratio	Lower Upper
142 100	
141 85.3	66.3 99.5
115 41.2	31.6 47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 11.071 ppbv
 RT: 13.429 min Scan# 41
 Delta R.T. -0.010 min
 Lab File: VL042211.D
 Acq: 02 Apr 2025 08:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 41838
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.1 112.7
 184 30.1 24.4 36.6

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Reviewed By :Semsettin Yesilyurt 04/03/2025
 Supervised By :Mahesh Dadoda 04/03/2025

