

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042253.D
 Acq On : 08 Apr 2025 08:39
 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 04/09/2025
 Supervised By :Mahesh Dadoda 04/09/2025

Quant Time: Apr 09 01:50:44 2025

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

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

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	2.800	49	192748	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	496271	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	446954	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.393	95	366722	9.991	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	273431	9.608	ppbv	99
3) Chlorodifluoromethane	1.483	51	290289	9.985	ppbv	99
4) Chloromethane	1.538	50	113157	9.729	ppbv	98
5) Vinyl Chloride	1.586	62	106450	8.637	ppbv	94
6) Bromomethane	1.674	94	47897	9.087	ppbv	99
7) Chloroethane	1.712	64	43021	9.215	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	231550	9.554	ppbv	93
9) Propene	1.489	41	107995	8.104	ppbv	98
10) Heptane	5.011	43	334651	9.441	ppbv	99
11) Trichlorofluoromethane	1.884	101	263560	9.518	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.149	101	204093	8.967	ppbv	96
13) Ethanol	1.729	45	5903	4.686	ppbv	92
14) Bromoethene	1.790	108	73578	8.438	ppbv	99
15) Acetone	1.842	43	233895	8.677	ppbv	96
16) 1,3-Butadiene	1.615	39	113699	8.637	ppbv	97
17) tert-Butyl alcohol	2.049	59	264061	7.865	ppbv	98
18) 1,1-Dichloroethene	2.043	96	89526	8.414	ppbv	96
19) Isopropyl Alcohol	1.894	45	131605	8.653	ppbv	98
20) Methylene Chloride	2.072	84	78560	7.825	ppbv	96
21) Allyl Chloride	2.107	41	163305	8.590	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	106297	8.643	ppbv	98
23) Vinyl Acetate	2.476	43	96990	8.313	ppbv #	97
24) 1,1-Dichloroethane	2.421	63	214800	9.422	ppbv	98
25) Ethyl Acetate	2.852	43	678925	9.704	ppbv	99
26) Hexane	2.839	57	257513	9.529	ppbv	97
27) Carbon Disulfide	2.159	76	253909	8.762	ppbv	98
28) Methyl tert-Butyl Ether	2.454	73	135921	8.078	ppbv	97
29) Chloroform	2.861	83	407591	10.306	ppbv	98
30) Cyclohexane	3.878	84	207216	8.831	ppbv	98
31) cis-1,2-Dichloroethene	2.735	61	249595	9.098	ppbv	95
32) 1,1,1-Trichloroethane	3.386	97	403665	8.915	ppbv	97
34) 2-Butanone	2.570	43	375791	10.443	ppbv	99
35) Carbon Tetrachloride	3.784	117	423863	10.934	ppbv	99
36) Benzene	3.677	78	514967	10.467	ppbv	98
37) 1,2-Dichloroethane	3.237	62	313194	11.119	ppbv	99
38) Trichloroethene	4.574	130	205933	10.032	ppbv	96
39) 1,2-Dichloropropane	4.341	63	188150	10.501	ppbv	93
40) 1,4-Dioxane	4.613	88	89479	9.409	ppbv #	96
41) Tetrahydrofuran	3.072	42	208736	10.073	ppbv	96
42) Bromodichloromethane	4.515	83	436058	11.230	ppbv	98
43) Methyl Methacrylate	4.910	69	193449	9.288	ppbv	99
44) 2,2,4-Trimethylpentane	4.664	57	888509	10.687	ppbv	97
45) t-1,3-Dichloropropene	6.451	75	184866	8.273	ppbv	93

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

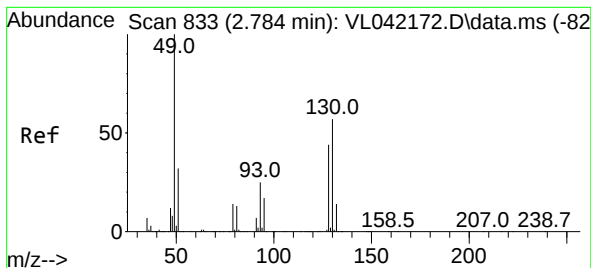
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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	5.635	75	243227	8.880	ppbv	97
47) 1,1,2-Trichloroethane	6.613	97	208553	11.011	ppbv	99
48) Dibromochloromethane	7.415	129	346117	10.783	ppbv	99
49) Bromoform	9.503	173	299582	10.395	ppbv	99
50) 4-Methyl-2-Pentanone	5.787	43	542853	9.519	ppbv	96
51) 2-Hexanone	7.464	43	433929	9.266	ppbv #	96
52) Tetrachloroethene	8.247	164	172915	8.862	ppbv	94
53) Toluene	6.962	91	574664	9.853	ppbv	98
54) 1,2-Dibromoethane	7.681	107	281436	10.659	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.946	131	286554	11.647	ppbv	99
57) Chlorobenzene	8.943	112	483780	11.411	ppbv	97
58) Ethyl Benzene	9.377	91	831947	10.479	ppbv	99
59) m/p-Xylene	9.571	91	1411551m	22.266	ppbv	
60) o-Xylene	9.982	91	696371	10.958	ppbv	97
61) Styrene	9.891	104	313307	9.965	ppbv	99
62) Isopropylbenzene	10.558	105	1044218	10.988	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.982	83	460968	11.938	ppbv	99
64) n-propylbenzene	11.005	120	279848	11.439	ppbv	98
65) tert-Butylbenzene	11.549	119	945232	10.755	ppbv	100
66) Benzyl Chloride	11.633	91	65203	6.992	ppbv	98
67) sec-Butylbenzene	11.785	105	1343060	10.994	ppbv	100
69) p-Isopropyltoluene	11.940	119	1144759	10.882	ppbv	100
70) n-Butylbenzene	12.296	91	1194481	11.103	ppbv	99
71) 2-Chlorotoluene	10.918	91	806572	10.935	ppbv	99
72) 4-Ethyltoluene	11.141	105	885452	11.190	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	765708	11.080	ppbv	99
74) 1,2,4-Trimethylbenzene	11.555	105	848667	10.660	ppbv	99
75) 1,3-Dichlorobenzene	11.626	146	505824	11.584	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	505562	11.634	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	503274	11.837	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	399147	9.223	ppbv	99
79) Naphthalene	13.529	128	967317	11.108	ppbv	99
80) Naphthalene,2-methyl-	14.475	142	457943	10.723	ppbv	98
81) 1,2,4-Trichlorobenzene	13.455	180	425466	10.592	ppbv	99

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



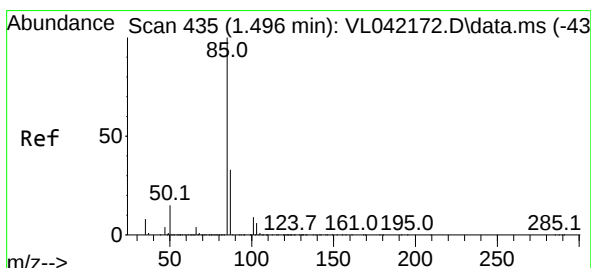
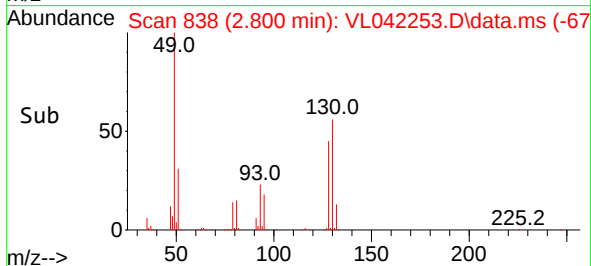
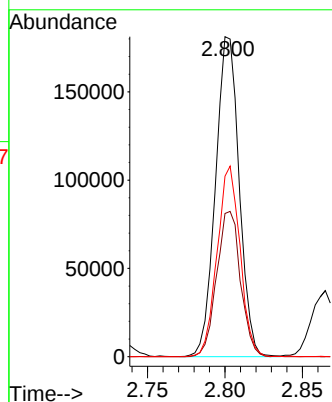
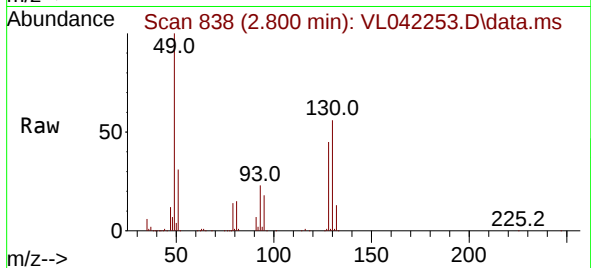
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 192748
Ion Ratio Lower Upper
49 100
128 45.7 22.9 68.5
130 57.6 28.8 86.4

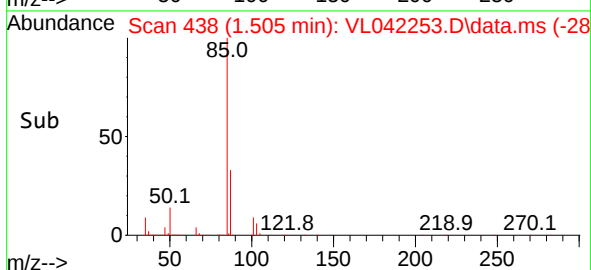
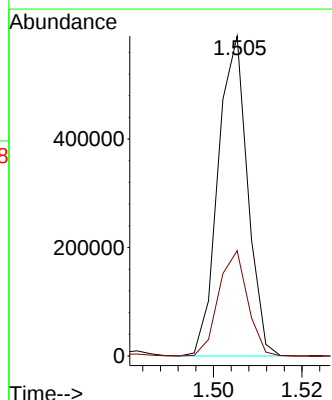
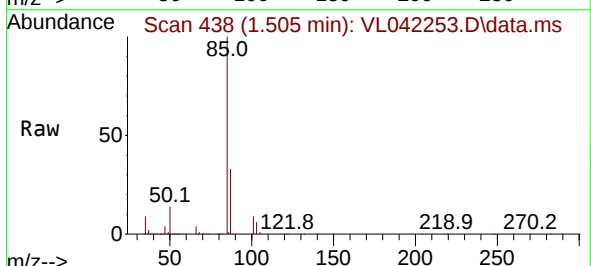
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#2
Dichlorodifluoromethane
Concen: 9.608 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

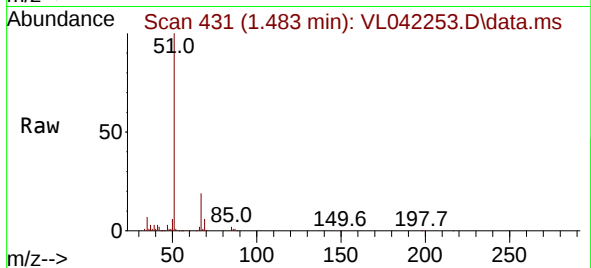
Tgt Ion: 85 Resp: 273431
Ion Ratio Lower Upper
85 100
87 32.9 26.1 39.1





#3
Chlorodifluoromethane
Concen: 9.985 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

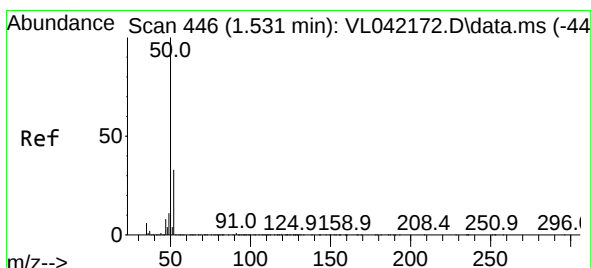
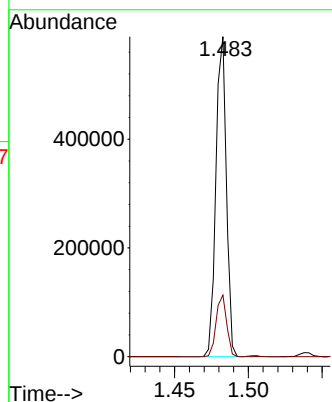
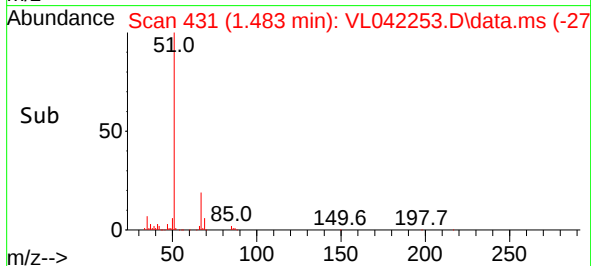
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



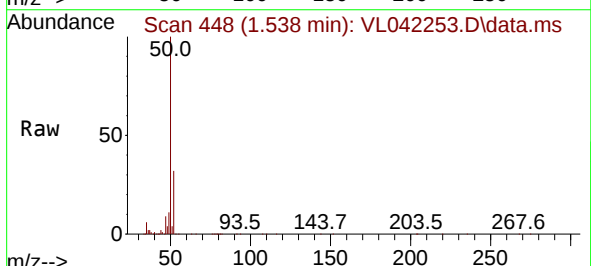
Tgt Ion: 51 Resp: 290289
Ion Ratio Lower Upper
51 100
67 19.4 15.0 22.6

Manual Integrations
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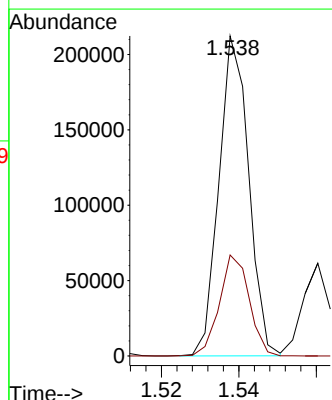
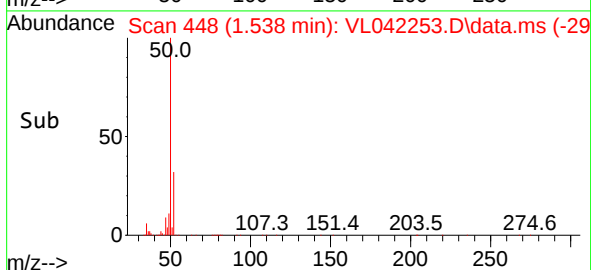
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

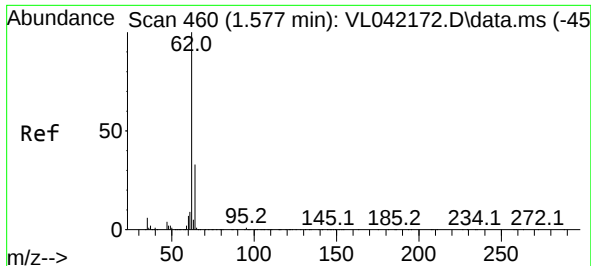


#4
Chloromethane
Concen: 9.729 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39



Tgt Ion: 50 Resp: 113157
Ion Ratio Lower Upper
50 100
52 31.6 26.1 39.1





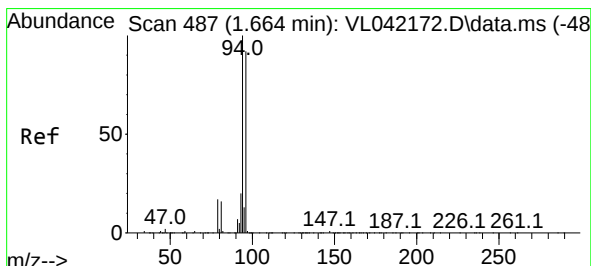
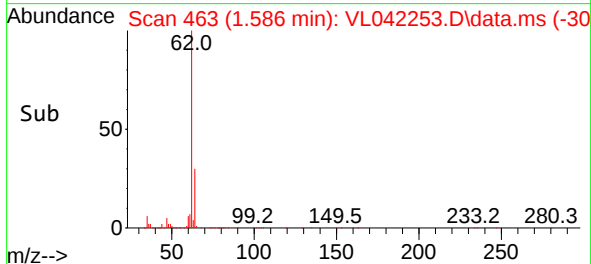
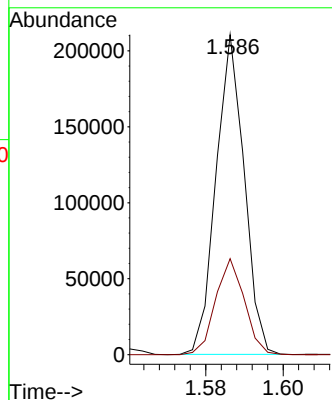
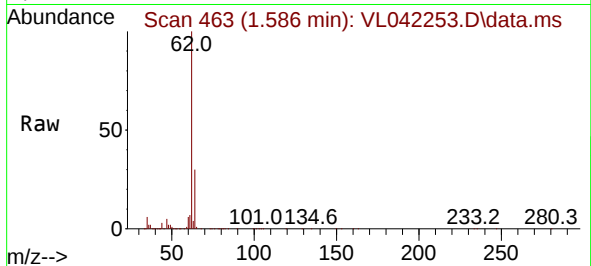
#5
 Vinyl Chloride
 Concen: 8.637 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. 0.010 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 106450
 Ion Ratio Lower Upper
 62 100
 64 30.0 26.6 40.0

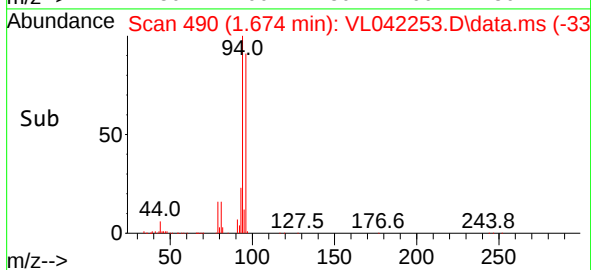
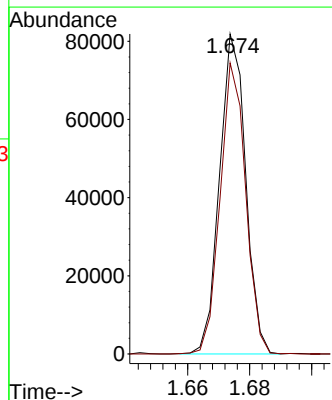
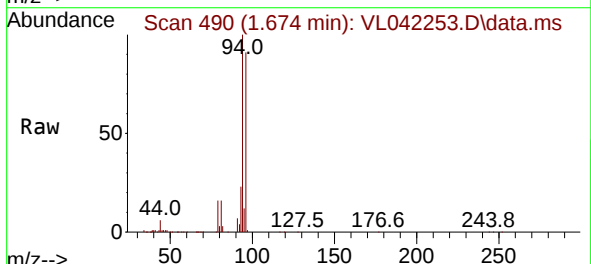
Manual Integrations
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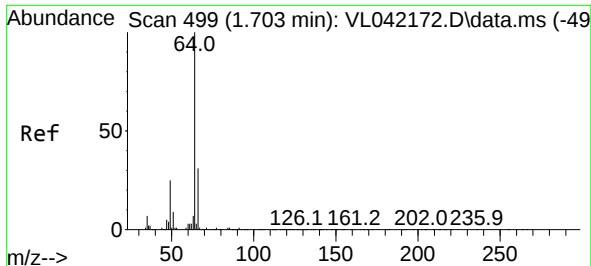
Reviewed By :Semsettin Yesilyurt 04/09/2025
 Supervised By :Mahesh Dadoda 04/09/2025



#6
 Bromomethane
 Concen: 9.087 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.010 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

Tgt Ion: 94 Resp: 47897
 Ion Ratio Lower Upper
 94 100
 96 90.9 73.1 109.7





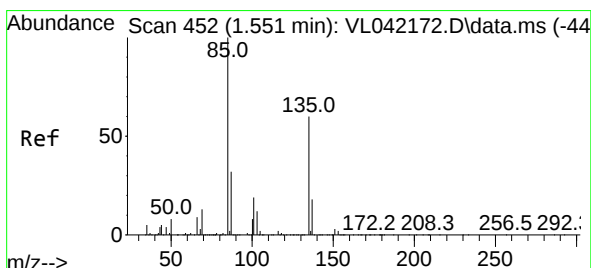
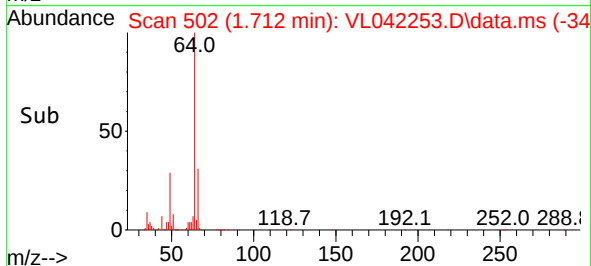
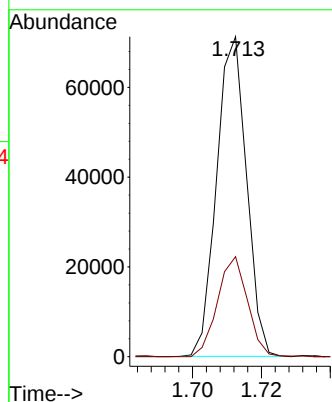
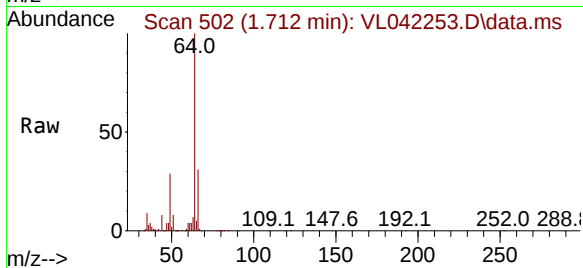
#7
Chloroethane
Concen: 9.215 ppbv
RT: 1.712 min Scan# 502
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 4302
Ion Ratio Lower Upper
64 100
66 31.2 25.2 37.8

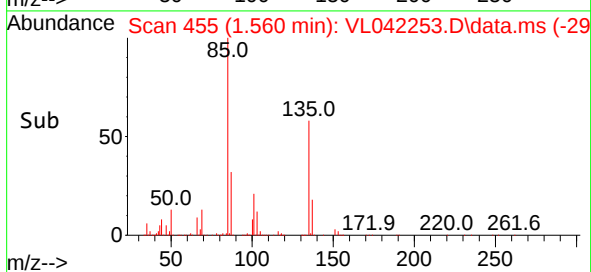
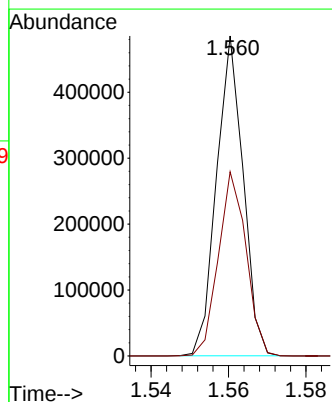
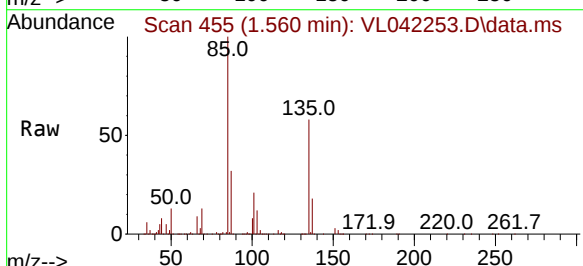
Manual Integrations
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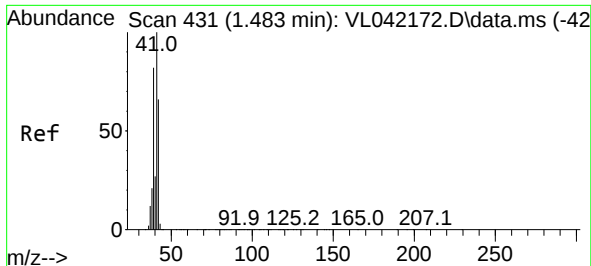
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#8
Dichlorotetrafluoroethane
Concen: 9.554 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

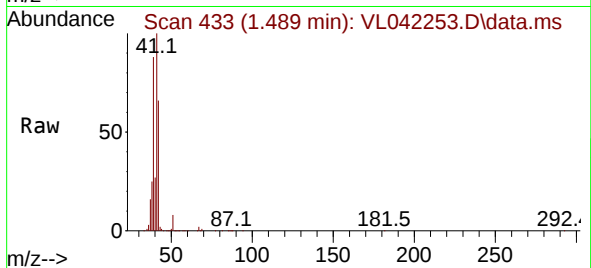
Tgt Ion: 85 Resp: 231550
Ion Ratio Lower Upper
85 100
135 60.1 52.4 78.6





#9
Propene
Concen: 8.104 ppbv
RT: 1.489 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

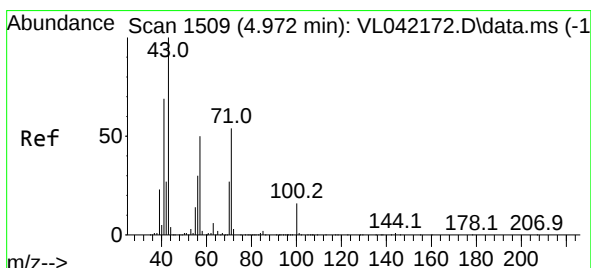
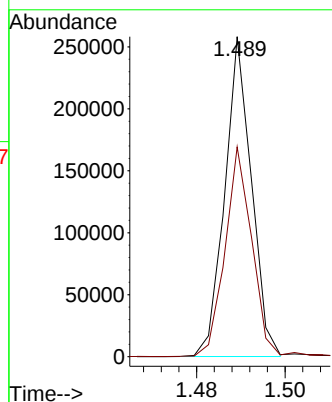
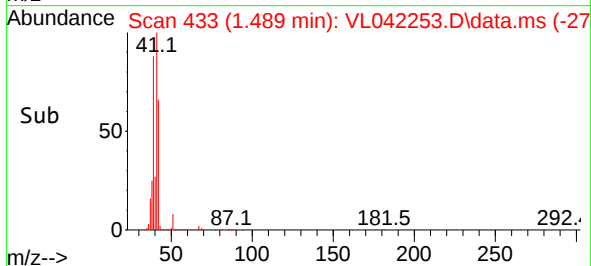
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



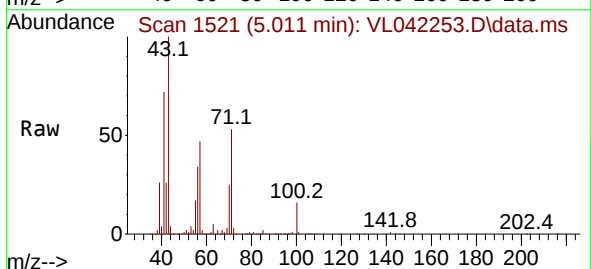
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Ion Ratio Lower Upper
41 100
42 67.3 55.4 83.2

Manual Integrations
APPROVED

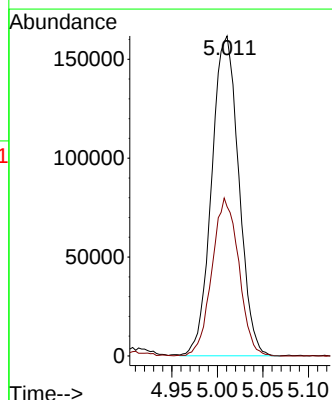
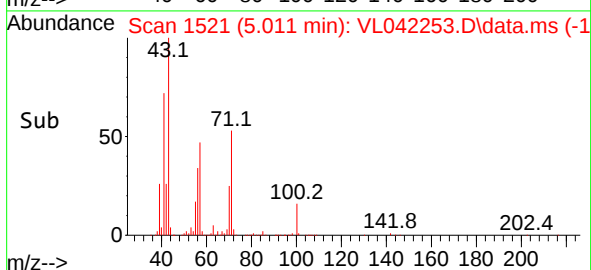
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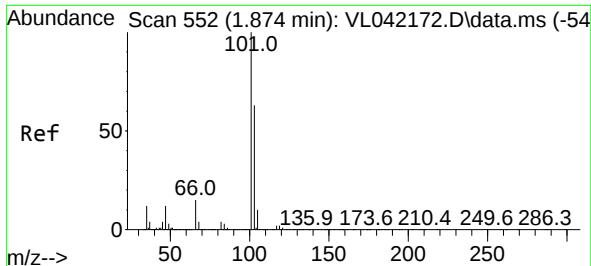


#10
Heptane
Concen: 9.441 ppbv
RT: 5.011 min Scan# 1521
Delta R.T. 0.039 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39



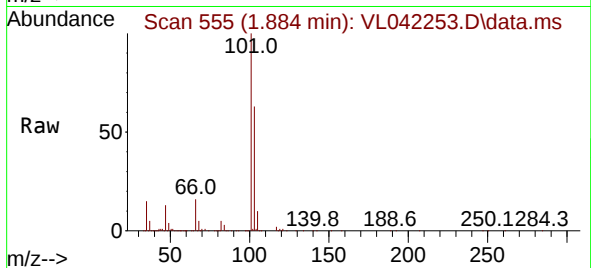
Tgt Ion: 43 Resp: 334651
Ion Ratio Lower Upper
43 100
57 48.8 39.4 59.2





#11
Trichlorofluoromethane
Concen: 9.518 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

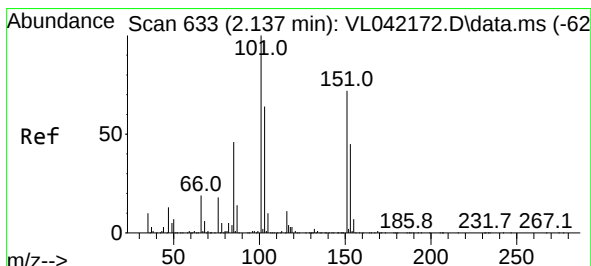
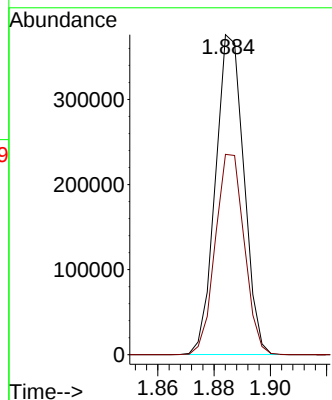
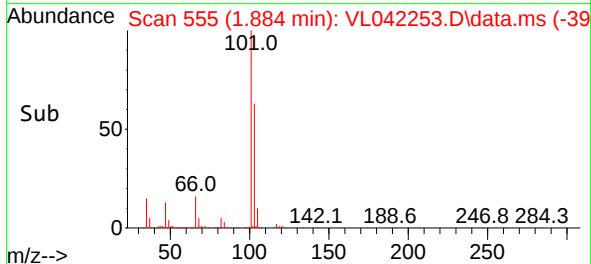
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



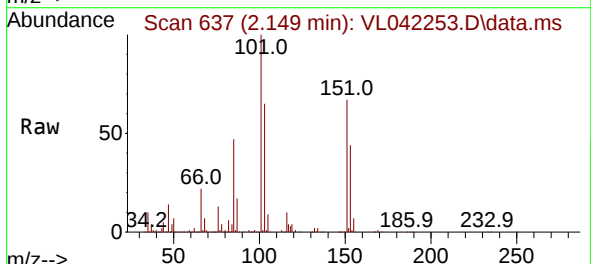
Tgt Ion:101 Resp: 263560
Ion Ratio Lower Upper
101 100
103 62.6 50.2 75.2

Manual Integrations
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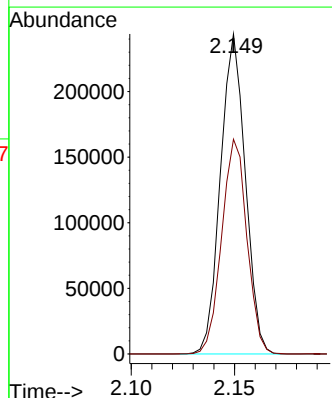
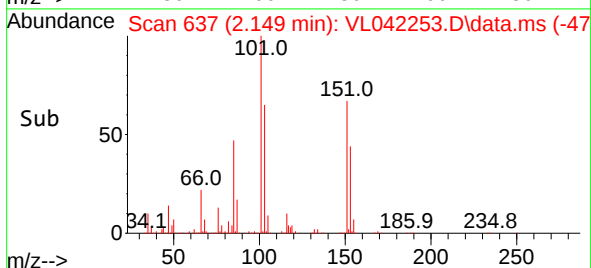
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.967 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39



Tgt Ion:101 Resp: 204093
Ion Ratio Lower Upper
101 100
151 68.2 57.1 85.7





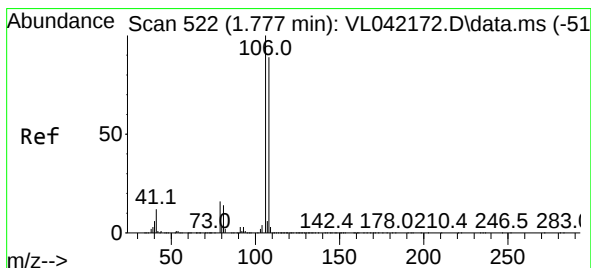
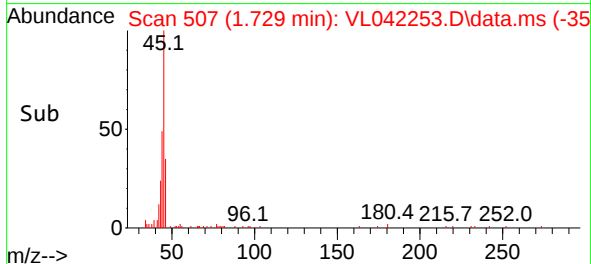
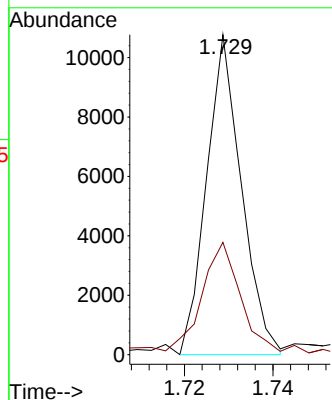
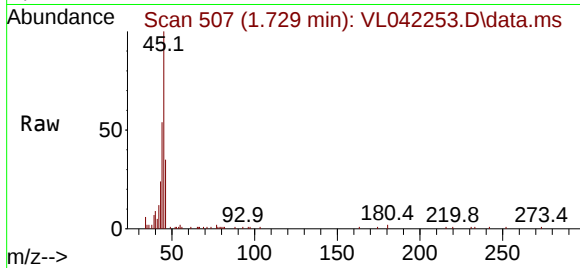
#13
Ethanol
Concen: 4.686 ppbv
RT: 1.729 min Scan# 504
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 590
Ion Ratio Lower Upper
45 100
46 45.1 20.2 80.8

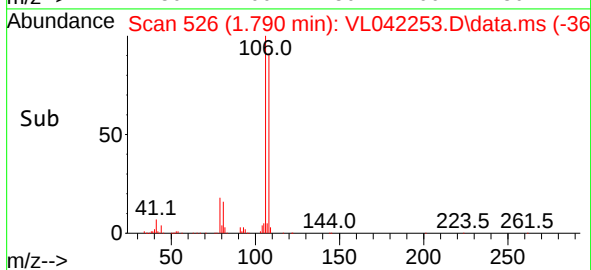
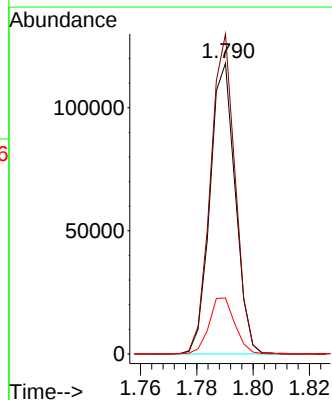
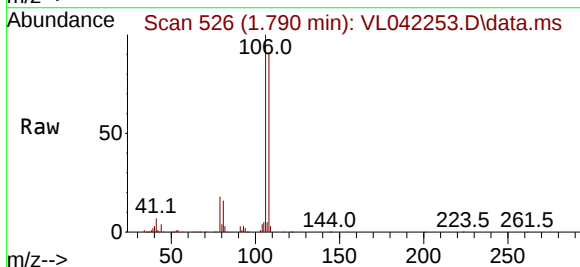
Manual Integrations
APPROVED

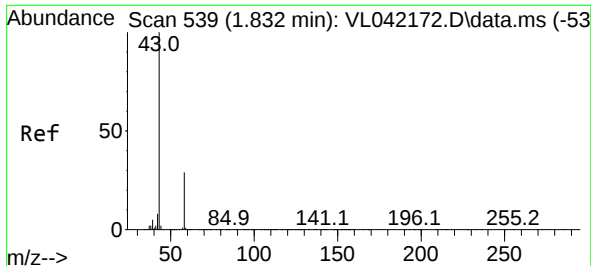
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#14
Bromoethene
Concen: 8.438 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:108 Resp: 73578
Ion Ratio Lower Upper
108 100
106 107.3 86.8 130.2
79 20.3 15.0 22.6





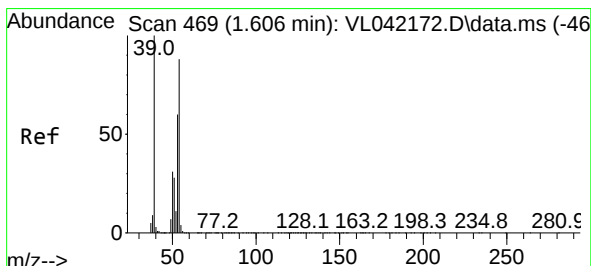
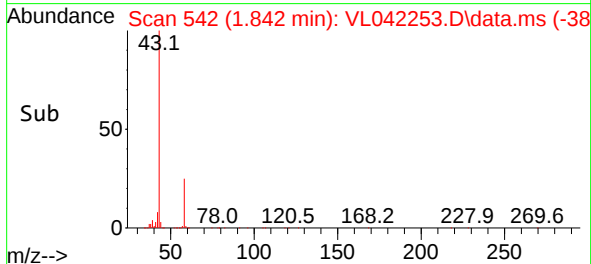
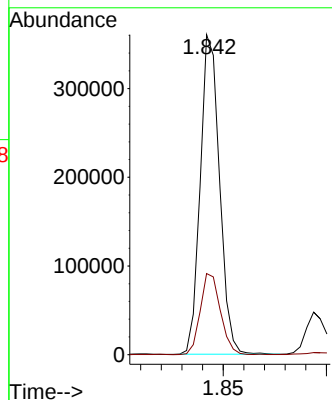
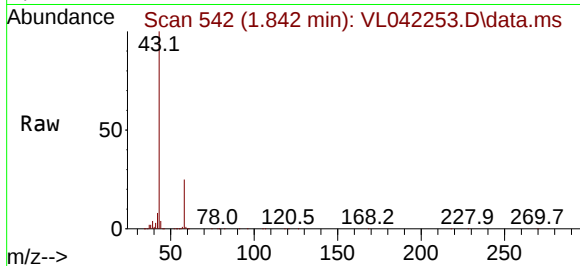
#15
Acetone
Concen: 8.677 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 23389
Ion Ratio Lower Upper
43 100
58 26.7 23.2 34.8

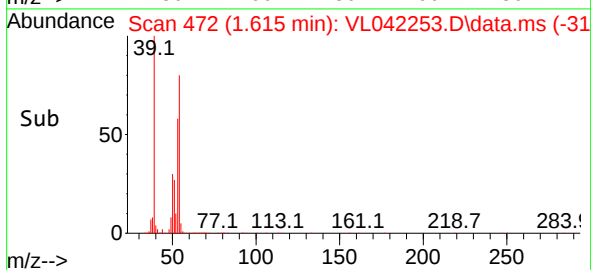
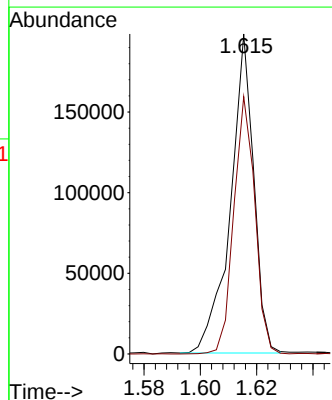
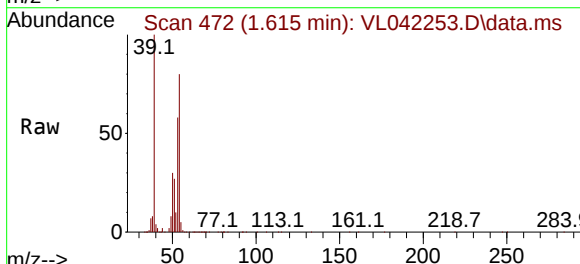
Manual Integrations
APPROVED

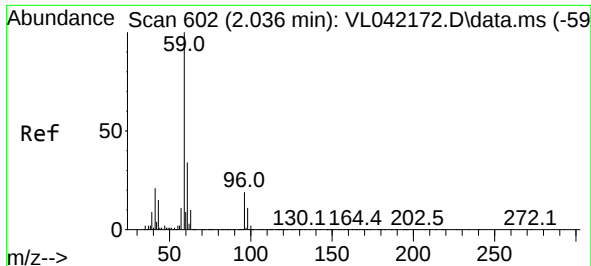
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#16
1,3-Butadiene
Concen: 8.637 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 39 Resp: 113699
Ion Ratio Lower Upper
39 100
54 73.1 60.7 91.1





#17

tert-Butyl alcohol

Concen: 7.865 ppbv

RT: 2.049 min Scan# 606

Delta R.T. 0.013 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 26406

Ion Ratio Lower Upper

59 100

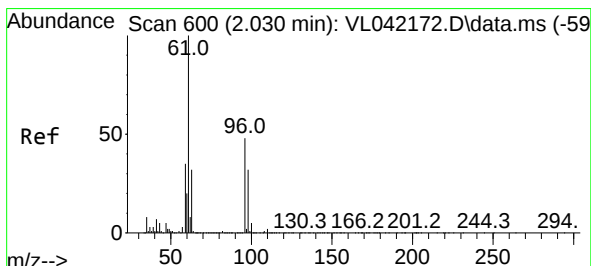
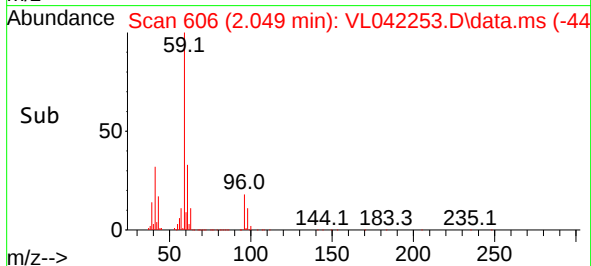
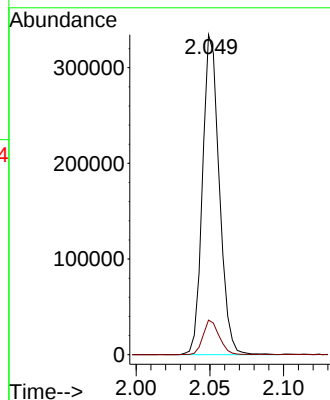
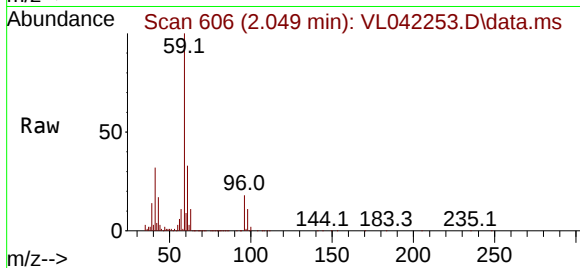
57 10.5 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025

Supervised By :Mahesh Dadoda 04/09/2025



#18

1,1-Dichloroethene

Concen: 8.414 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.013 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

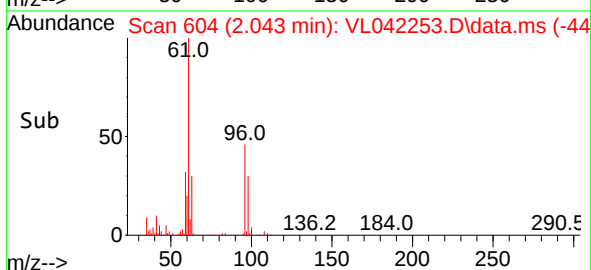
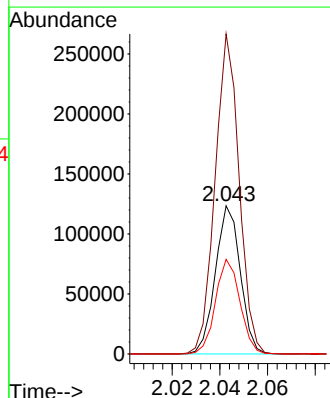
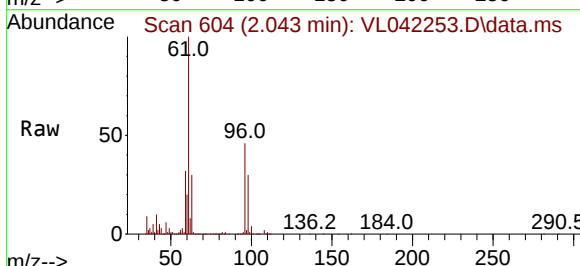
Tgt Ion: 96 Resp: 89526

Ion Ratio Lower Upper

96 100

61 216.0 167.6 251.4

98 63.8 53.5 80.3





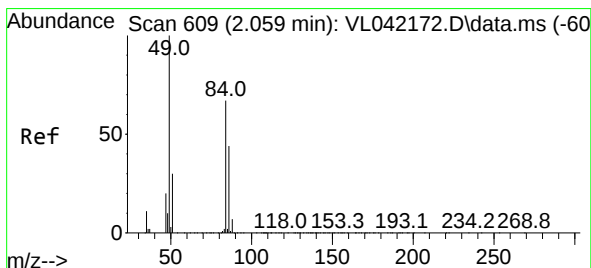
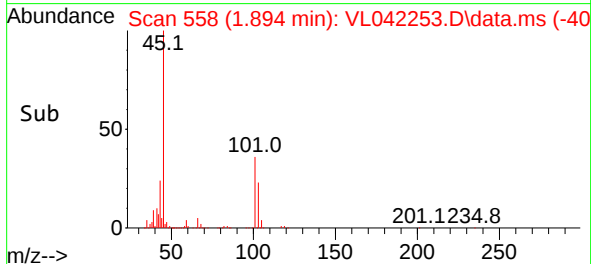
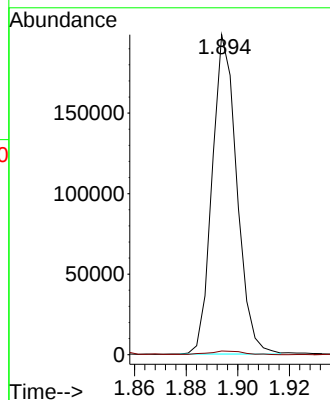
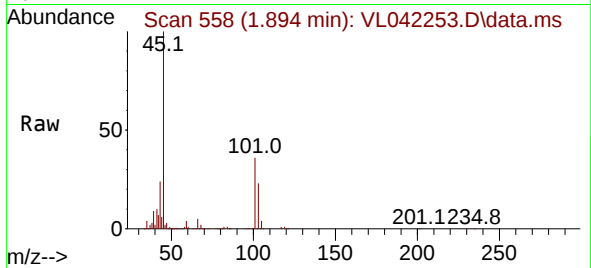
#19
Isopropyl Alcohol
Concen: 8.653 ppbv
RT: 1.894 min Scan# 510
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 131600
Ion Ratio Lower Upper
45 100
58 47.5 36.9 55.3

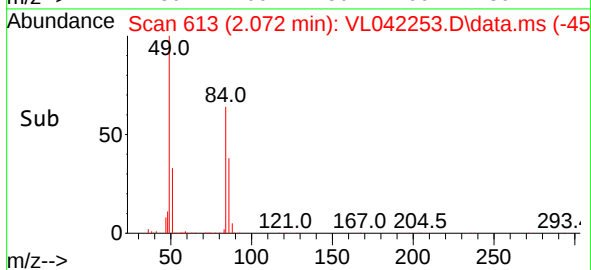
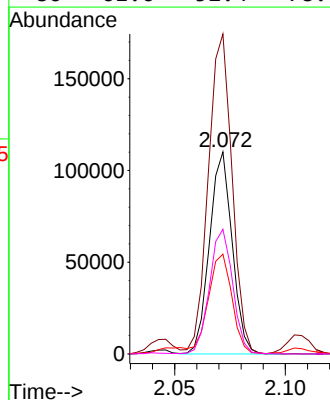
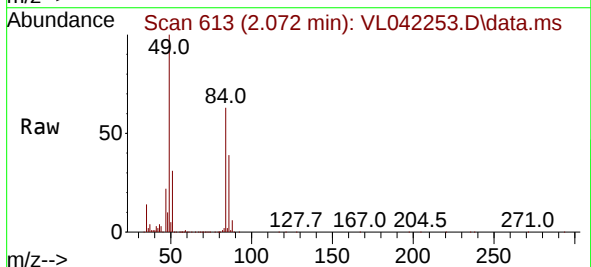
Manual Integrations
APPROVED

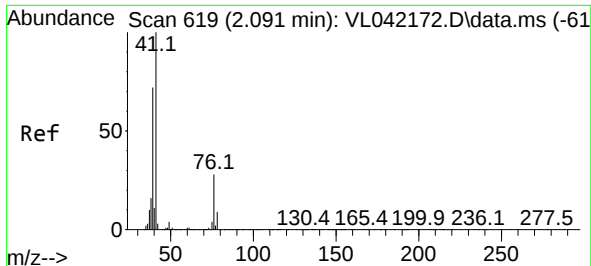
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#20
Methylene Chloride
Concen: 7.825 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 84 Resp: 78560
Ion Ratio Lower Upper
84 100
49 156.4 120.2 180.4
51 48.5 37.4 56.0
86 61.6 52.4 78.6





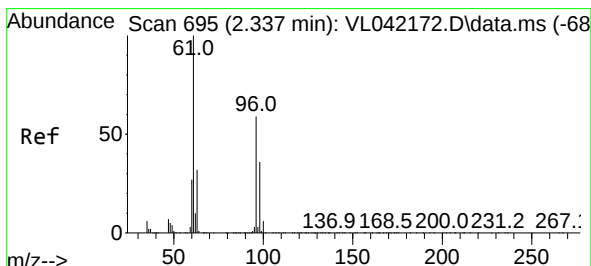
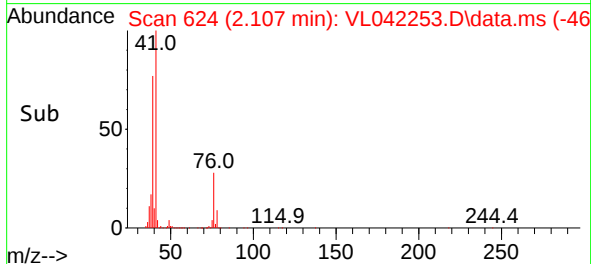
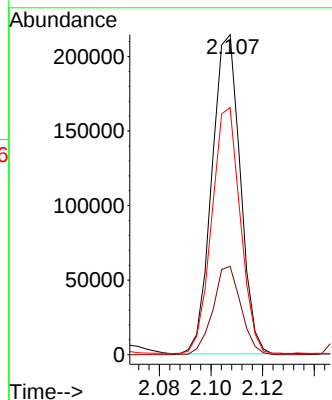
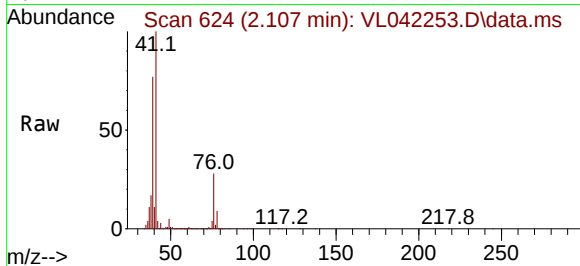
#21
 Allyl Chloride
 Concen: 8.590 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.016 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 16330
 Ion Ratio Lower Upper
 41 100
 76 27.3 24.1 36.1
 39 77.5 61.1 91.7

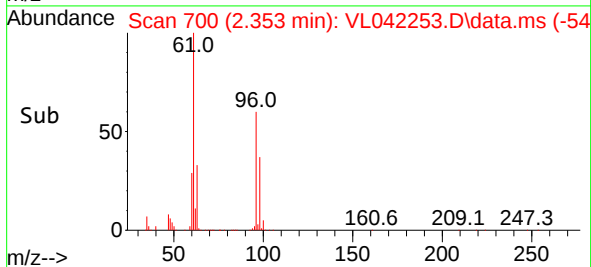
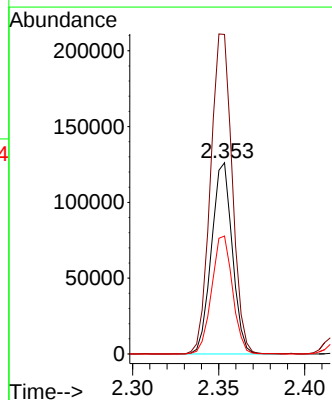
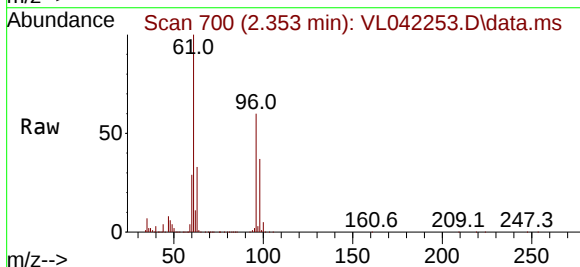
Manual Integrations
 APPROVED

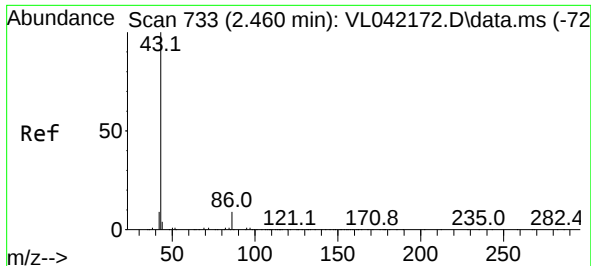
Reviewed By :Semsettin Yesilyurt 04/09/2025
 Supervised By :Mahesh Dadoda 04/09/2025



#22
 trans-1,2-Dichloroethene
 Concen: 8.643 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. 0.016 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

Tgt Ion: 96 Resp: 106297
 Ion Ratio Lower Upper
 96 100
 61 167.0 136.6 204.8
 98 61.7 49.4 74.2





#23
 Vinyl Acetate
 Concen: 8.313 ppbv
 RT: 2.476 min Scan# 71
 Delta R.T. 0.016 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

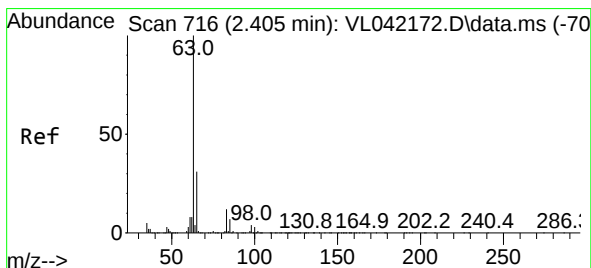
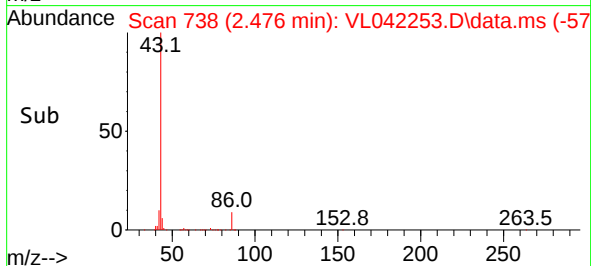
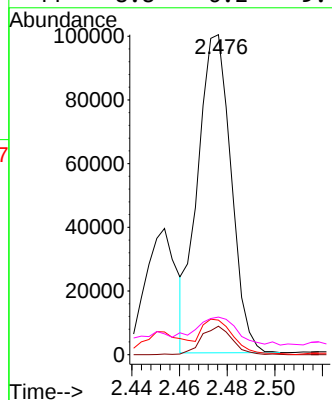
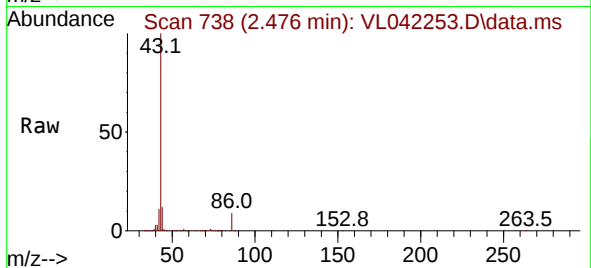
VSTDCCC010

Tgt Ion: 43 Resp: 96990
 Ion Ratio Lower Upper
 43 100
 86 8.9 5.5 8.3
 42 10.5 8.6 13.0
 44 8.8 6.2 9.4

Manual Integrations

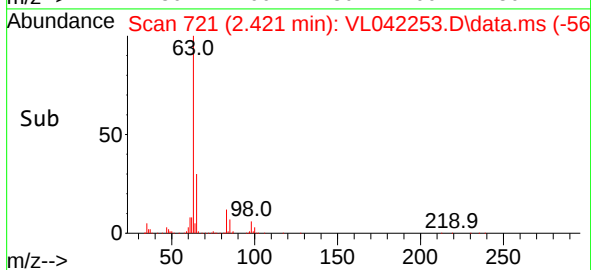
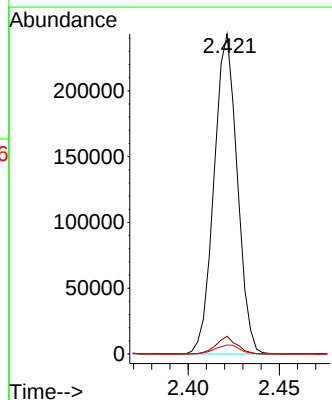
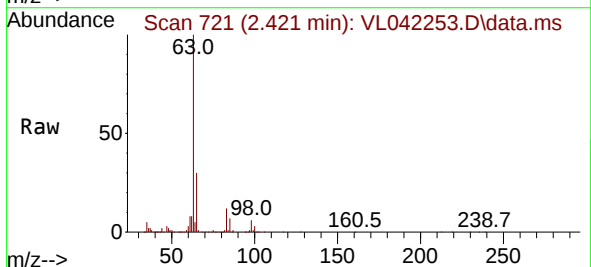
APPROVED

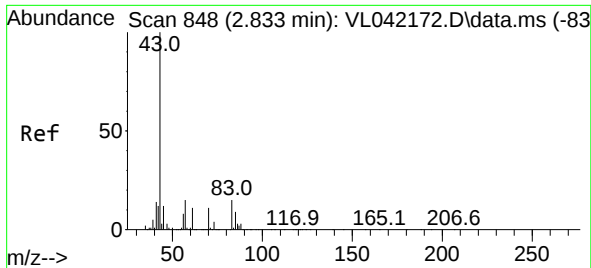
Reviewed By :Semsettin Yesilyurt 04/09/2025
 Supervised By :Mahesh Dadoda 04/09/2025



#24
 1,1-Dichloroethane
 Concen: 9.422 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. 0.016 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

Tgt Ion: 63 Resp: 214800
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.3 6.8
 100 2.8 1.6 4.7





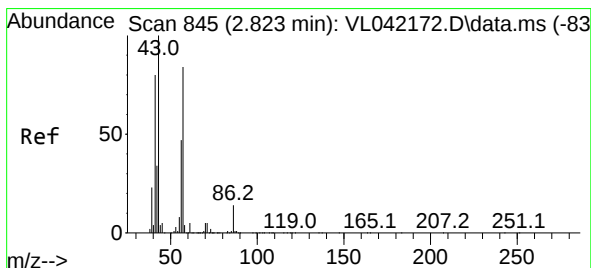
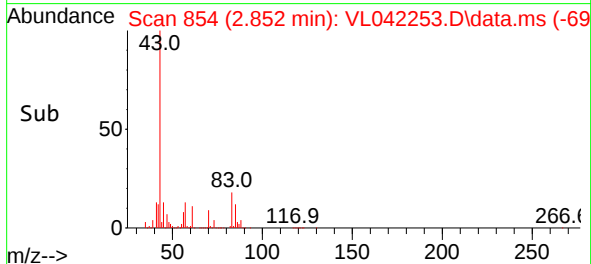
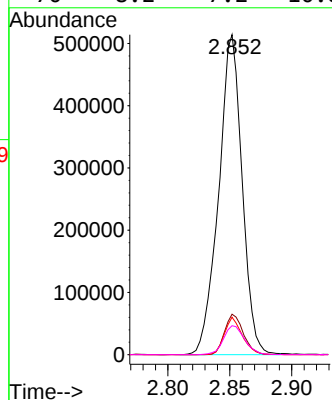
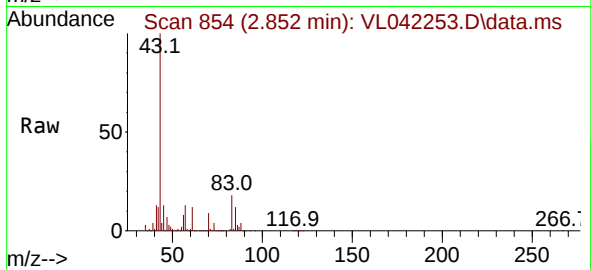
#25
Ethyl Acetate
Concen: 9.704 ppbv
RT: 2.852 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 67892
Ion Ratio Lower Upper
43 100
45 10.3 8.2 12.2
61 9.0 7.3 10.9
70 8.2 7.2 10.8

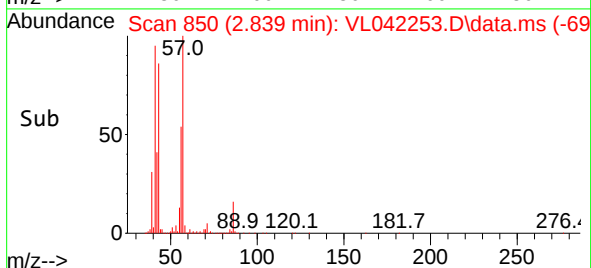
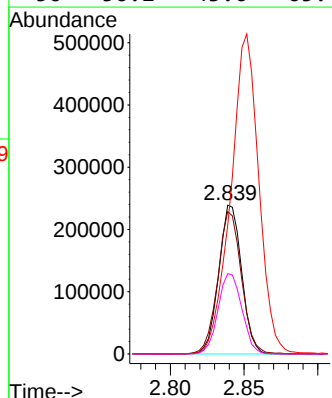
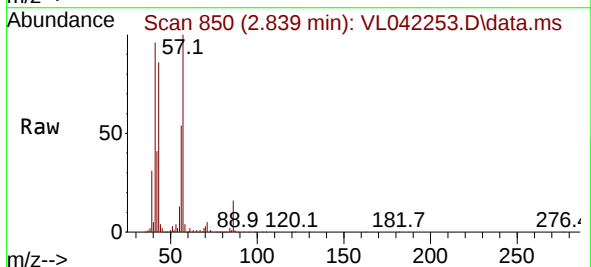
Manual Integrations
APPROVED

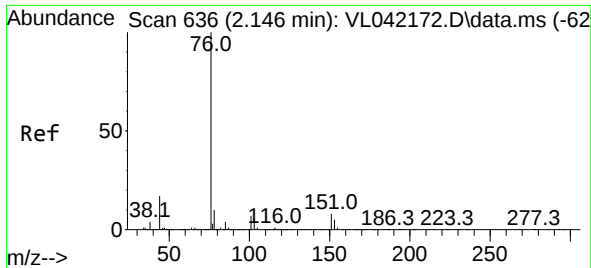
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#26
Hexane
Concen: 9.529 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

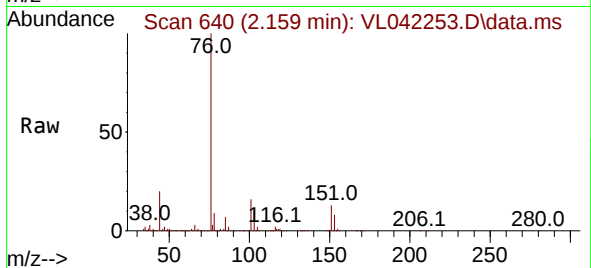
Tgt Ion: 57 Resp: 257513
Ion Ratio Lower Upper
57 100
41 99.7 76.6 114.8
43 264.2 207.8 311.8
56 56.2 43.6 65.4





#27
Carbon Disulfide
Concen: 8.762 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

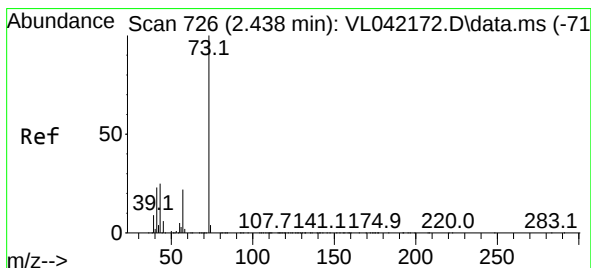
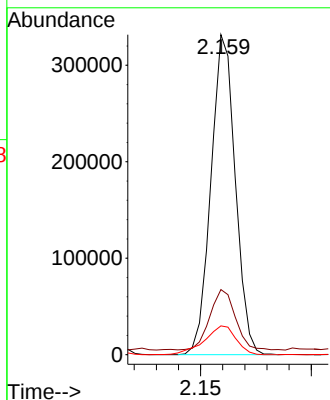
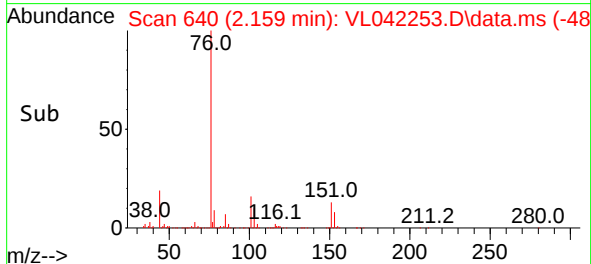
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



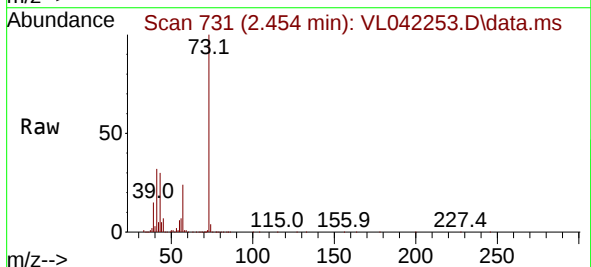
Tgt Ion: 76 Resp: 253909
Ion Ratio Lower Upper
76 100
44 20.0 14.7 22.1
78 11.7 9.3 13.9

Manual Integrations
APPROVED

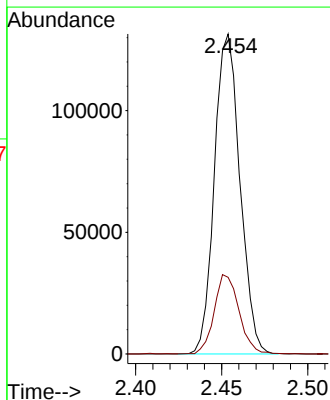
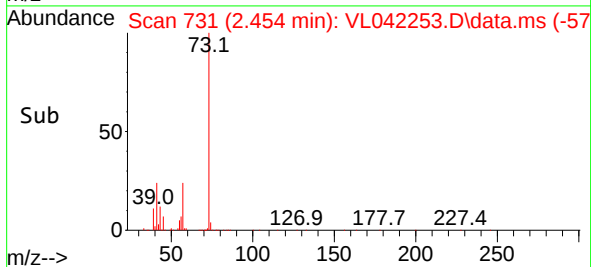
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

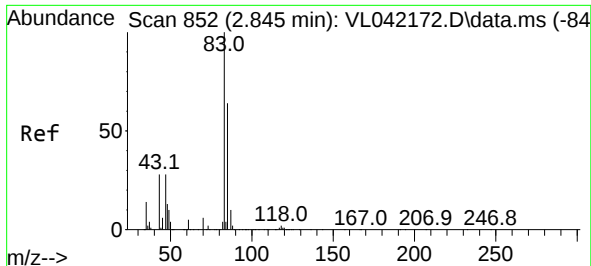


#28
Methyl tert-Butyl Ether
Concen: 8.078 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39



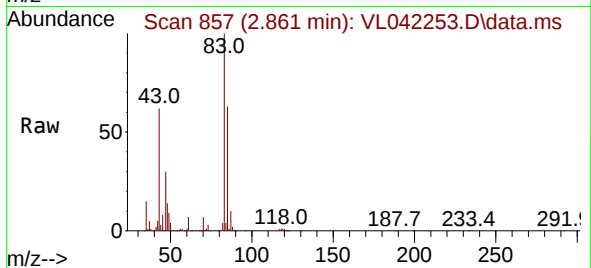
Tgt Ion: 73 Resp: 135921
Ion Ratio Lower Upper
73 100
57 24.1 20.5 30.7





#29
Chloroform
Concen: 10.306 ppbv
RT: 2.861 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

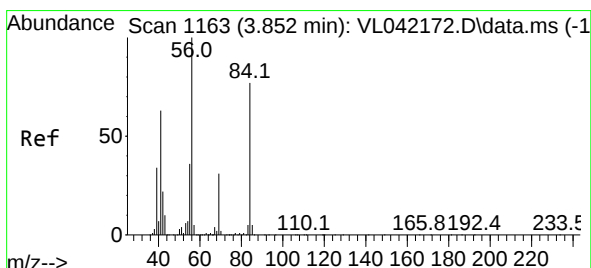
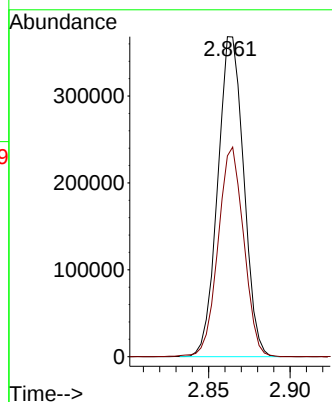
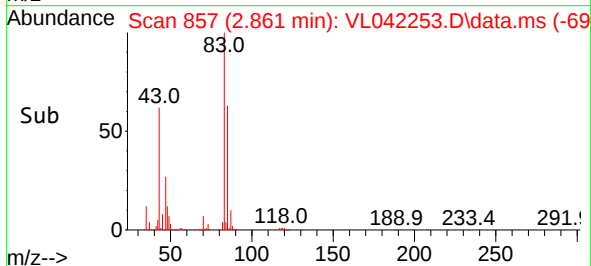
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 83 Resp: 40759
Ion Ratio Lower Upper
83 100
85 62.7 51.4 77.2

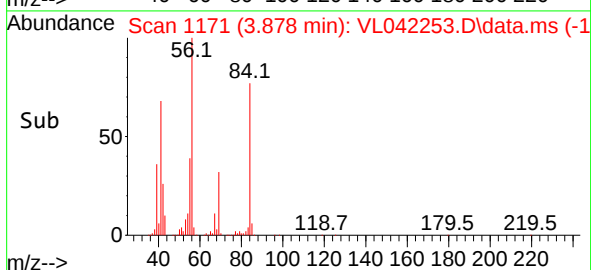
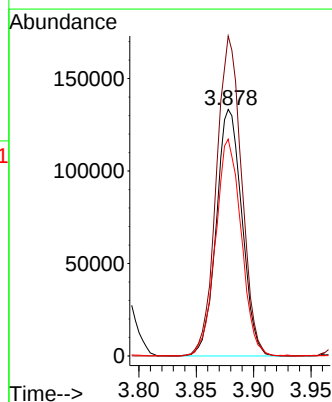
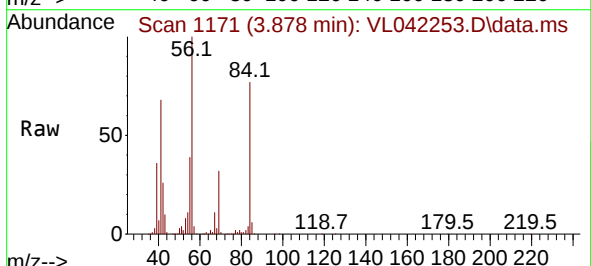
Manual Integrations
APPROVED

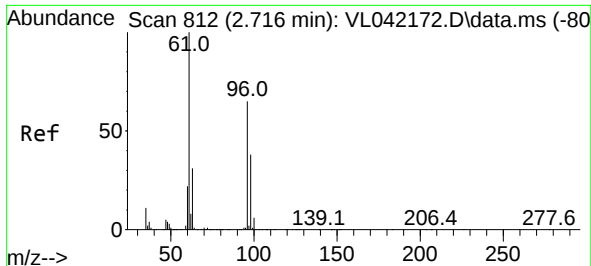
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#30
Cyclohexane
Concen: 8.831 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

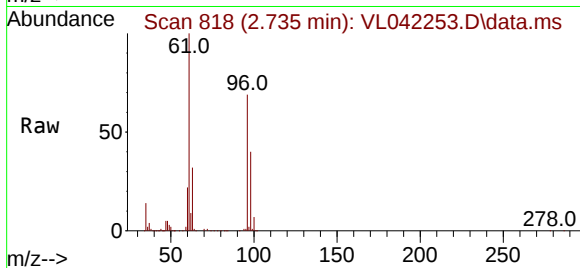
Tgt Ion: 84 Resp: 207216
Ion Ratio Lower Upper
84 100
56 127.8 102.8 154.2
41 88.0 66.5 99.7





#31
 cis-1,2-Dichloroethene
 Concen: 9.098 ppbv
 RT: 2.735 min Scan# 812
 Delta R.T. 0.019 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

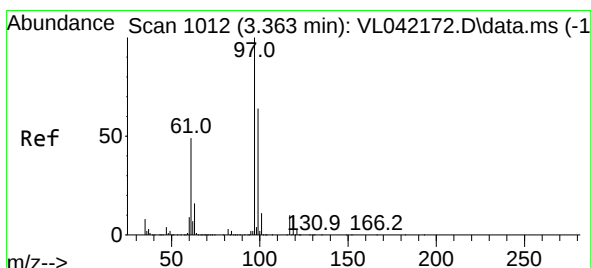
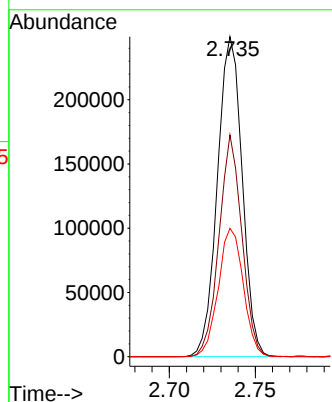
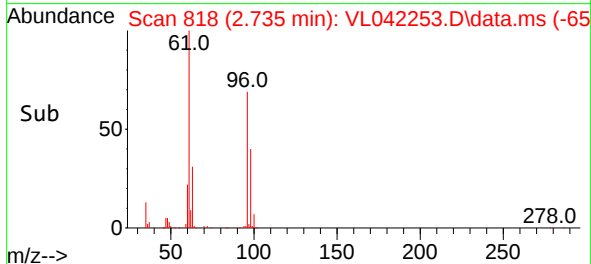
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 61 Resp: 24959
 Ion Ratio Lower Upper
 61 100
 96 69.3 51.8 77.8
 98 40.1 30.6 46.0

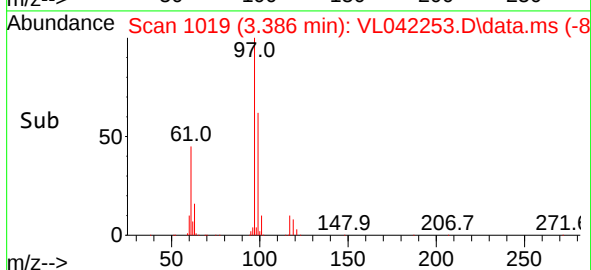
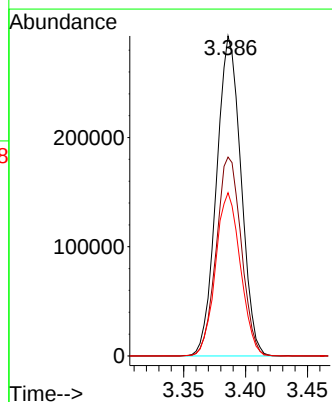
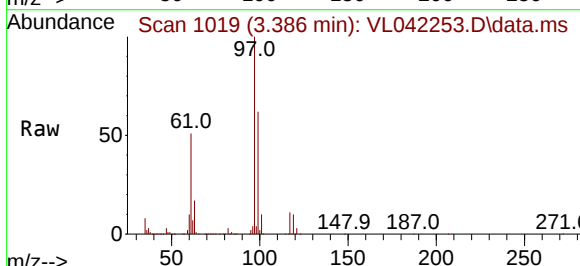
Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
 Supervised By :Mahesh Dadoda 04/09/2025



#32
 1,1,1-Trichloroethane
 Concen: 8.915 ppbv
 RT: 3.386 min Scan# 1019
 Delta R.T. 0.023 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

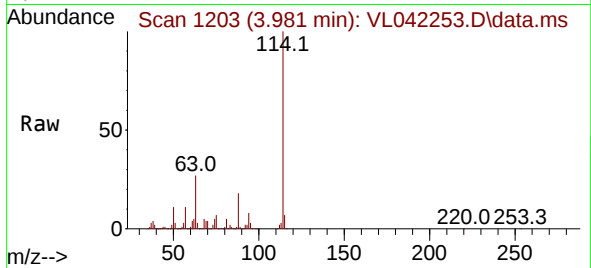
Tgt Ion: 97 Resp: 403665
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.5 77.3
 61 51.9 38.7 58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1194
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

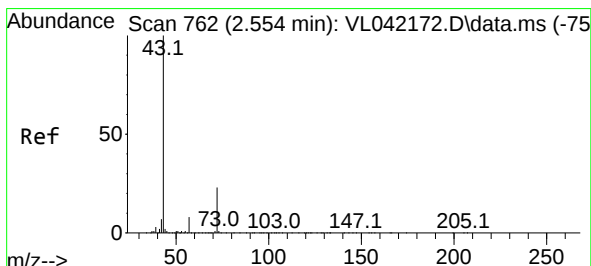
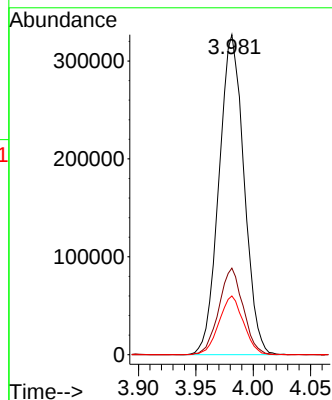
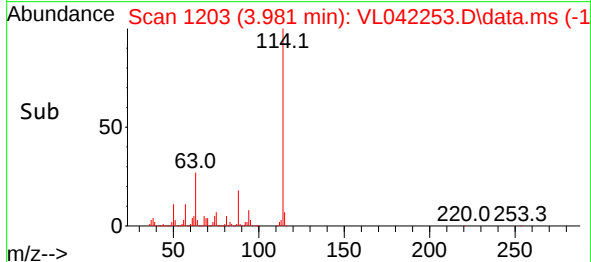
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



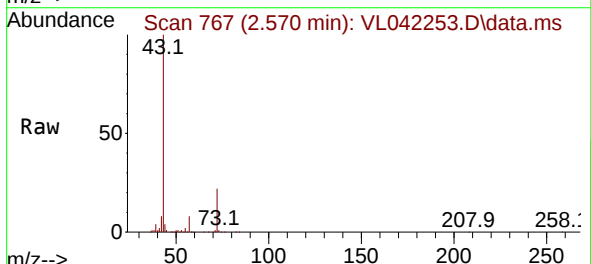
Tgt Ion:114 Resp: 49627
Ion Ratio Lower Upper
114 100
63 26.3 20.7 31.1
88 17.9 15.0 22.4

Manual Integrations
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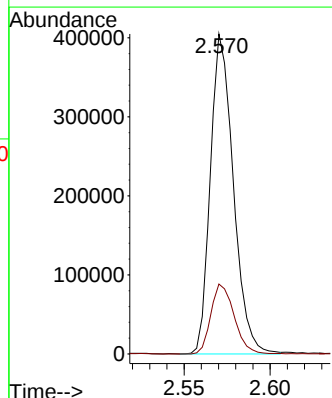
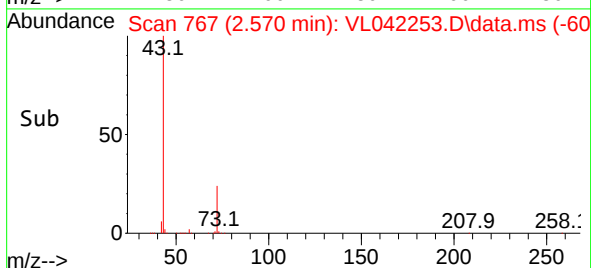
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

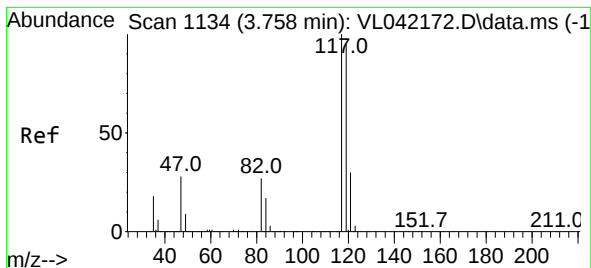


#34
2-Butanone
Concen: 10.443 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39



Tgt Ion: 43 Resp: 375791
Ion Ratio Lower Upper
43 100
72 22.2 18.2 27.2





#35

Carbon Tetrachloride

Concen: 10.934 ppbv

RT: 3.784 min Scan# 1134

Delta R.T. 0.026 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

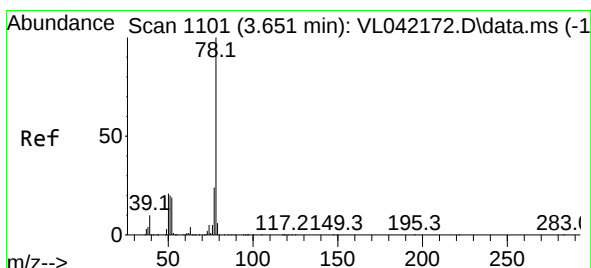
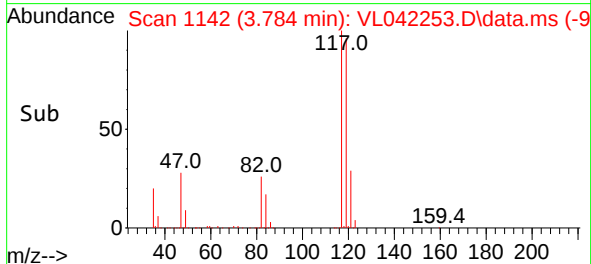
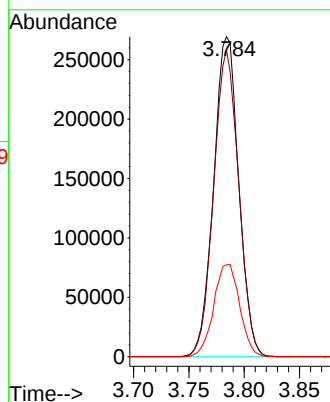
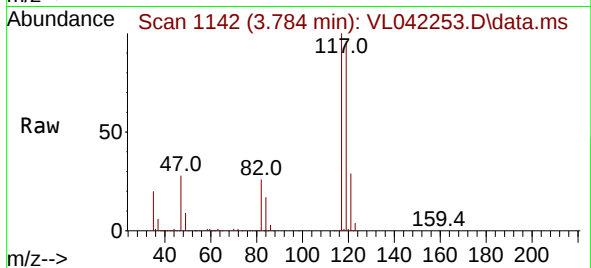
VSTDCCC010

Tgt Ion:117 Resp: 42386
 Ion Ratio Lower Upper
 117 100
 119 95.9 76.2 114.2
 121 28.7 24.2 36.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/09/2025
 Supervised By :Mahesh Dadoda 04/09/2025



#36

Benzene

Concen: 10.467 ppbv

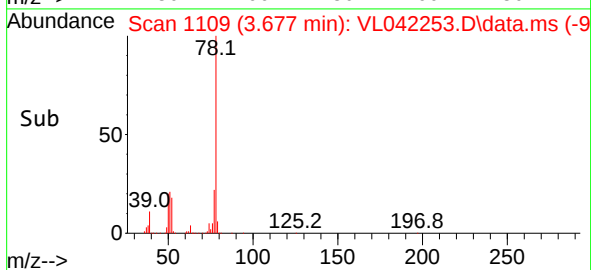
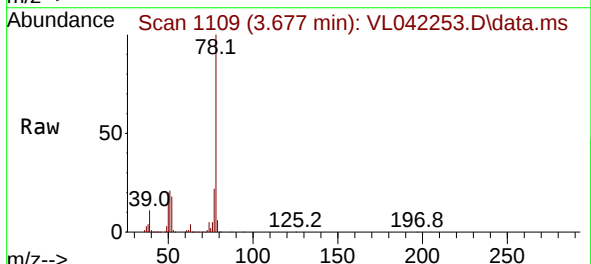
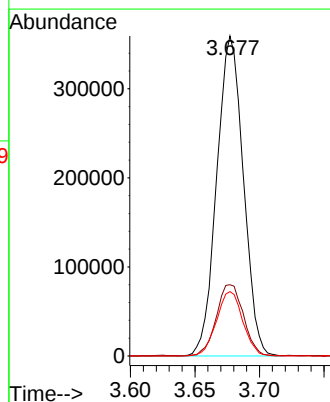
RT: 3.677 min Scan# 1109

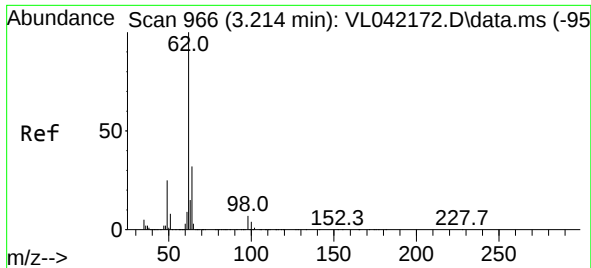
Delta R.T. 0.026 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Tgt Ion: 78 Resp: 514967
 Ion Ratio Lower Upper
 78 100
 77 22.2 19.1 28.7
 50 20.1 16.6 24.8





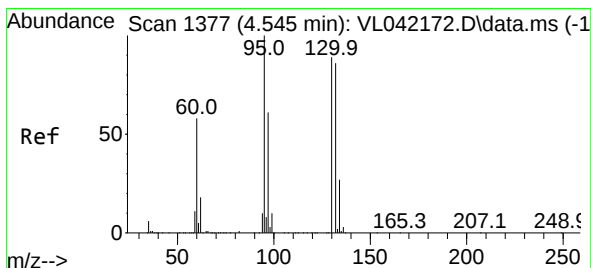
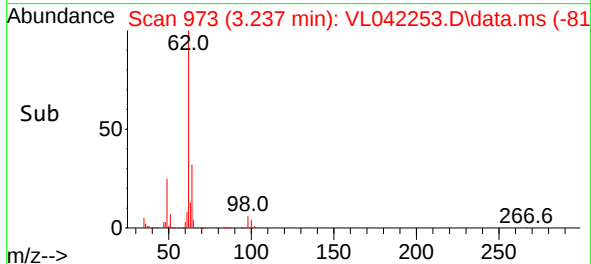
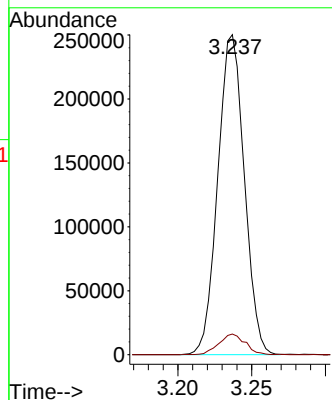
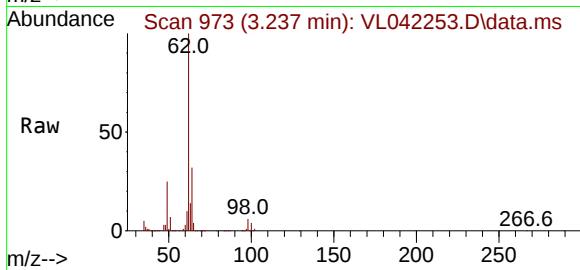
#37
1,2-Dichloroethane
Concen: 11.119 ppbv
RT: 3.237 min Scan# 91
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 313194
Ion Ratio Lower Upper
62 100
98 6.4 5.4 8.2

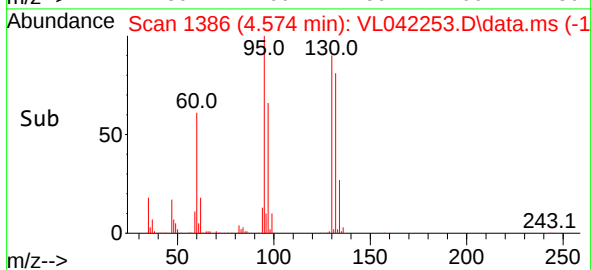
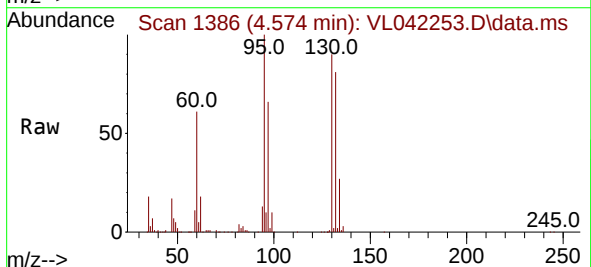
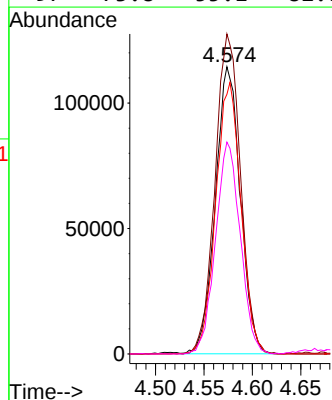
Manual Integrations
APPROVED

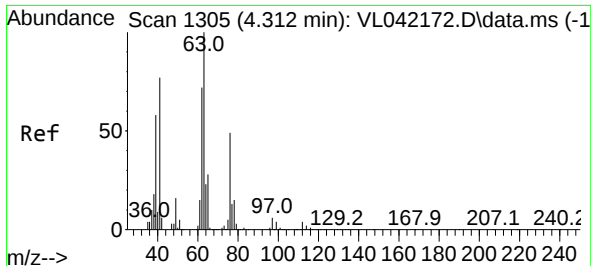
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#38
Trichloroethene
Concen: 10.032 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:130 Resp: 205933
Ion Ratio Lower Upper
130 100
95 111.4 89.8 134.8
132 90.5 77.4 116.2
97 73.8 55.1 82.7





#39

1,2-Dichloropropane

Concen: 10.501 ppbv

RT: 4.341 min Scan# 1314

Delta R.T. 0.029 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 188150

Ion Ratio Lower Upper

63 100

41 87.9 61.7 92.5

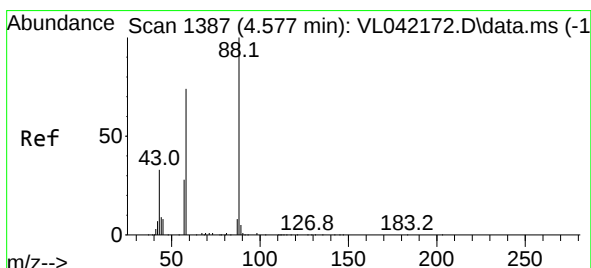
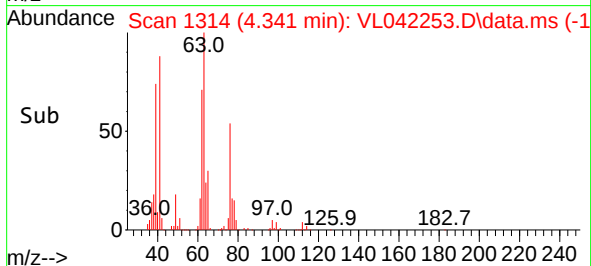
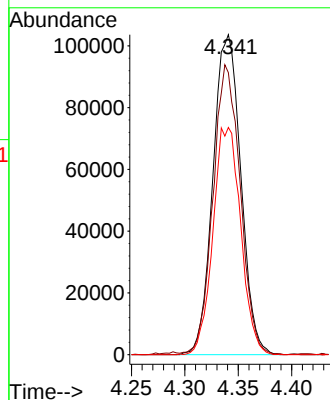
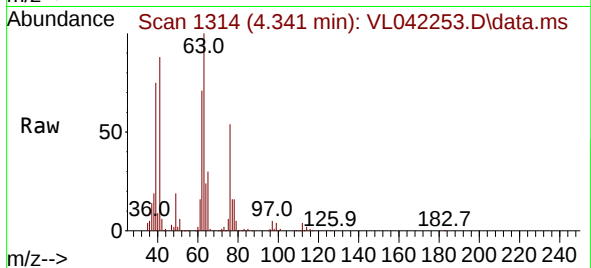
62 70.9 57.6 86.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025

Supervised By :Mahesh Dadoda 04/09/2025



#40

1,4-Dioxane

Concen: 9.409 ppbv

RT: 4.613 min Scan# 1398

Delta R.T. 0.035 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Tgt Ion: 88 Resp: 89479

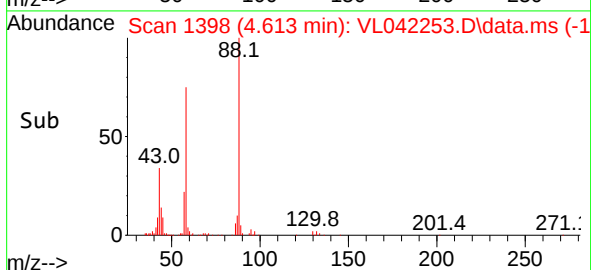
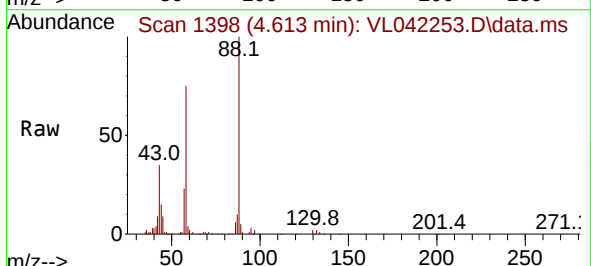
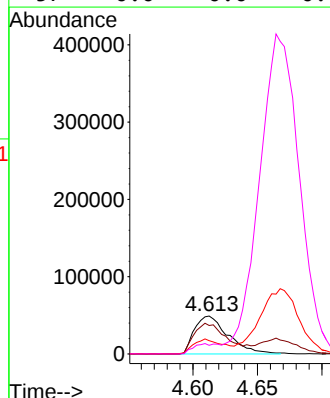
Ion Ratio Lower Upper

88 100

58 78.8 62.7 94.1

43 35.2 23.0 34.4#

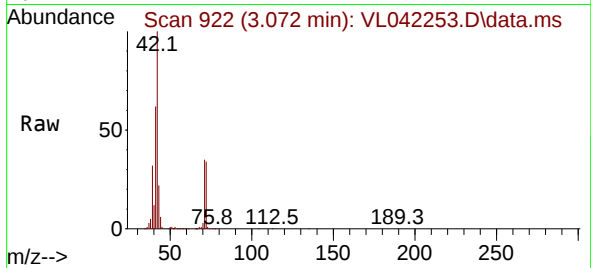
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 10.073 ppbv
RT: 3.072 min Scan# 915
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

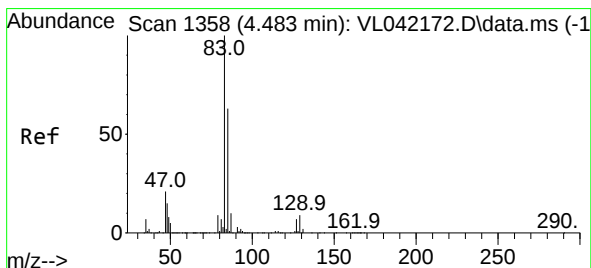
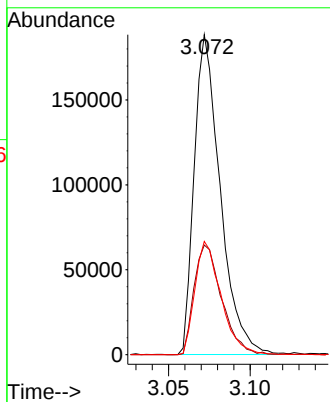
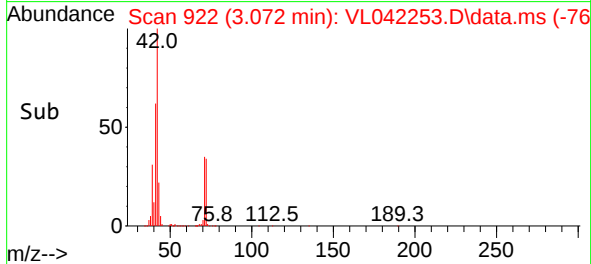
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



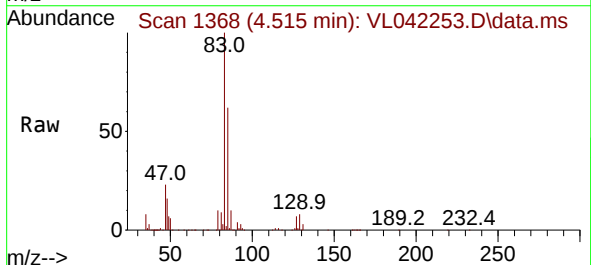
Tgt Ion: 42 Resp: 208730
Ion Ratio Lower Upper
42 100
72 36.5 31.4 47.0
71 35.6 30.2 45.4

Manual Integrations
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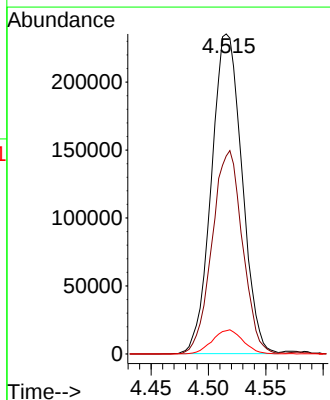
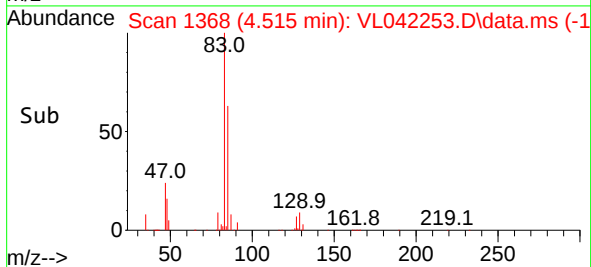
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

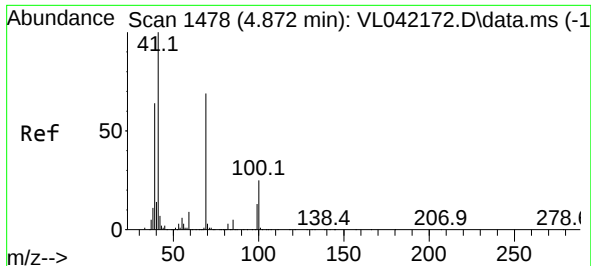


#42
Bromodichloromethane
Concen: 11.230 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. 0.032 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39



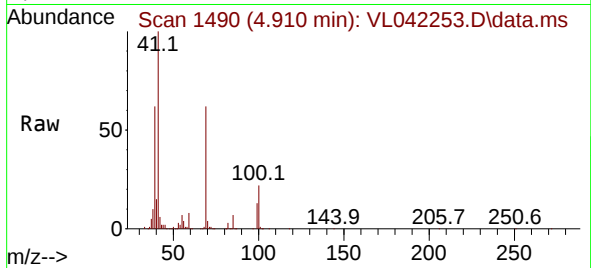
Tgt Ion: 83 Resp: 436058
Ion Ratio Lower Upper
83 100
85 61.8 50.5 75.7
127 7.2 5.9 8.9





#43
Methyl Methacrylate
Concen: 9.288 ppbv
RT: 4.910 min Scan# 1490
Delta R.T. 0.039 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

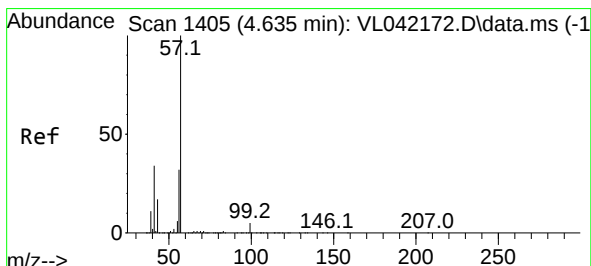
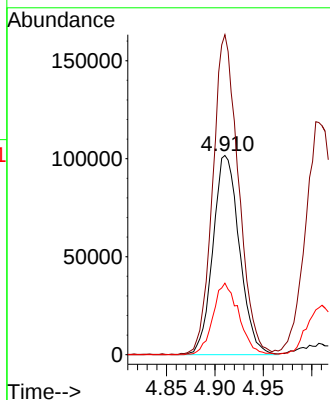
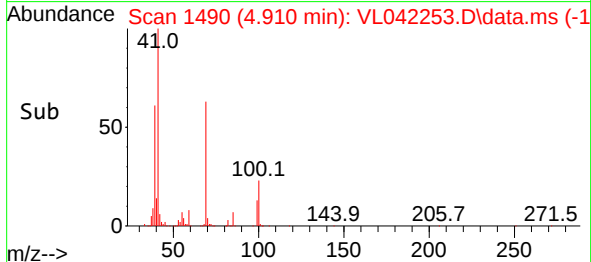
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



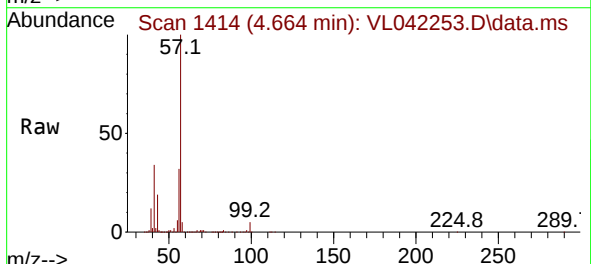
Tgt Ion: 69 Resp: 193449
Ion Ratio Lower Upper
69 100
41 156.1 123.8 185.6
100 35.2 28.4 42.6

Manual Integrations
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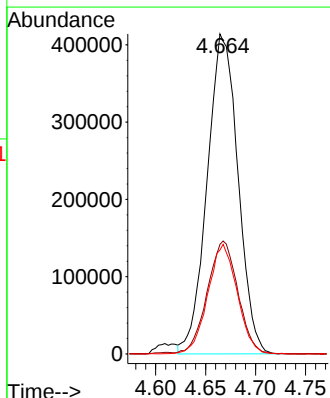
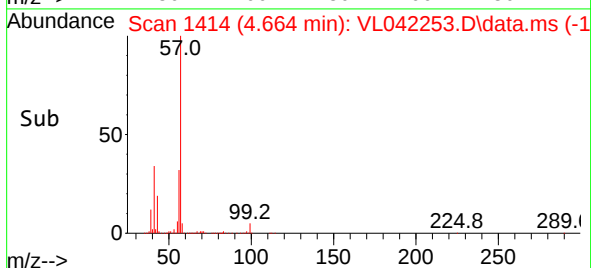
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

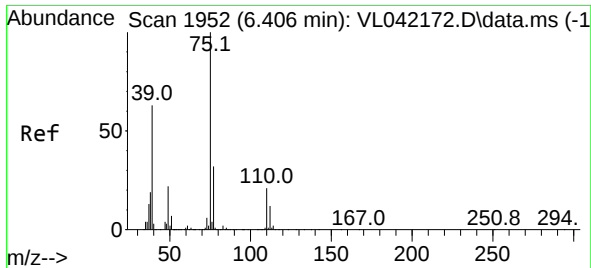


#44
2,2,4-Trimethylpentane
Concen: 10.687 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39



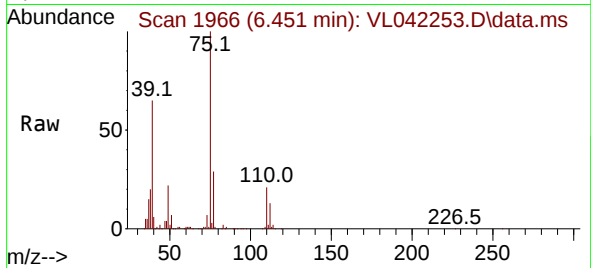
Tgt Ion: 57 Resp: 888509
Ion Ratio Lower Upper
57 100
41 35.5 26.8 40.2
56 32.8 25.6 38.4





#45
t-1,3-Dichloropropene
Concen: 8.273 ppbv
RT: 6.451 min Scan# 1952
Delta R.T. 0.045 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

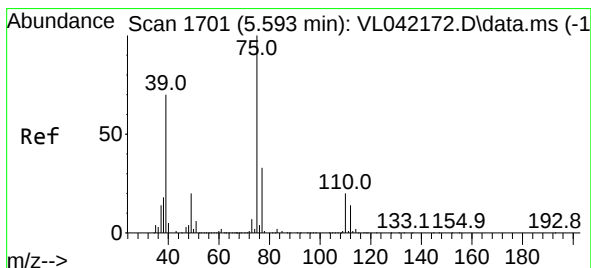
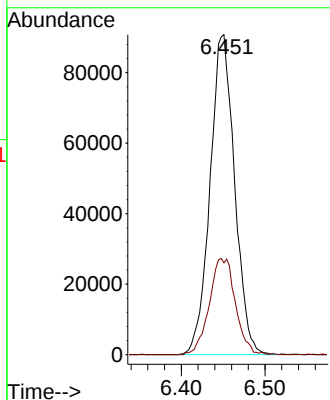
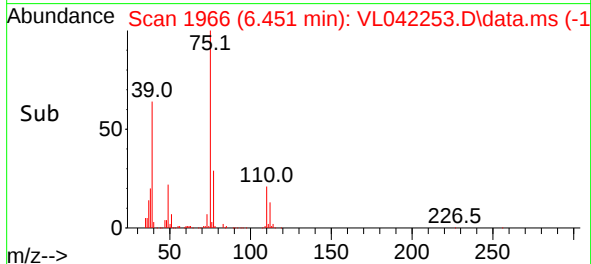
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 75 Resp: 18486
Ion Ratio Lower Upper
75 100
77 28.7 26.0 39.0

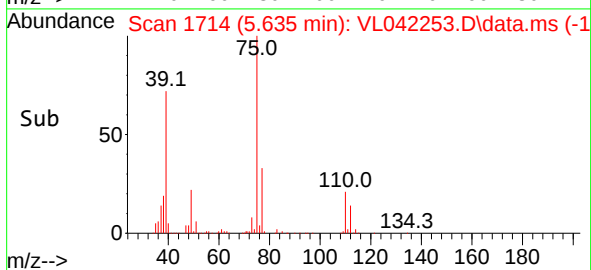
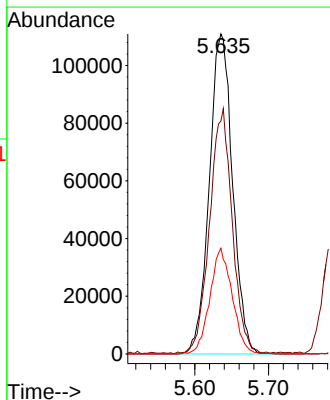
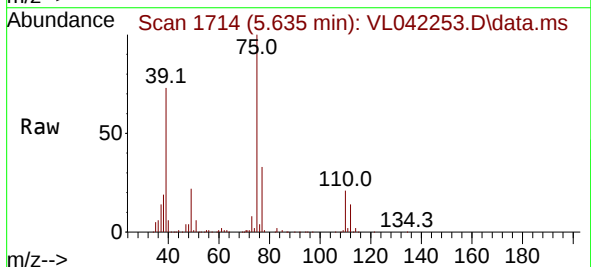
Manual Integrations
APPROVED

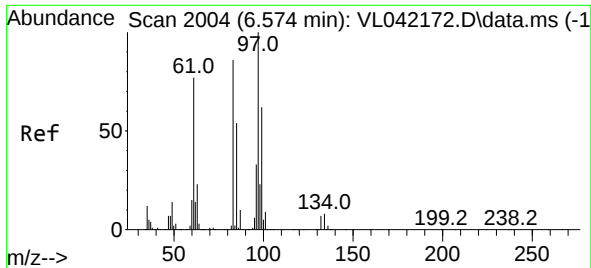
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#46
cis-1,3-Dichloropropene
Concen: 8.880 ppbv
RT: 5.635 min Scan# 1714
Delta R.T. 0.042 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

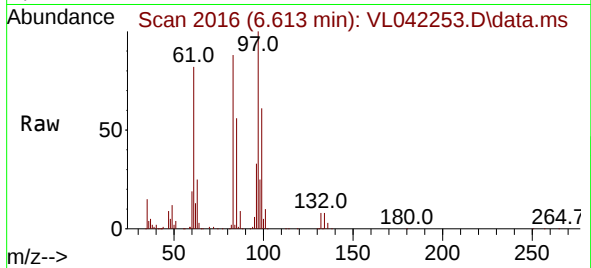
Tgt Ion: 75 Resp: 243227
Ion Ratio Lower Upper
75 100
39 72.4 55.8 83.6
77 33.1 26.0 39.0





#47
1,1,2-Trichloroethane
Concen: 11.011 ppbv
RT: 6.613 min Scan# 2004
Delta R.T. 0.039 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

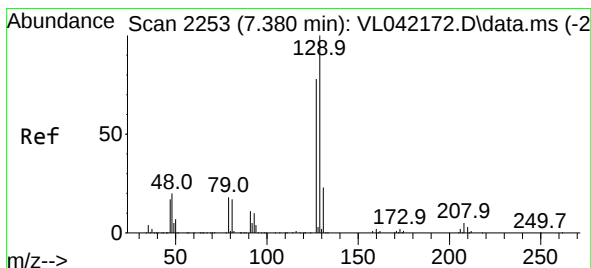
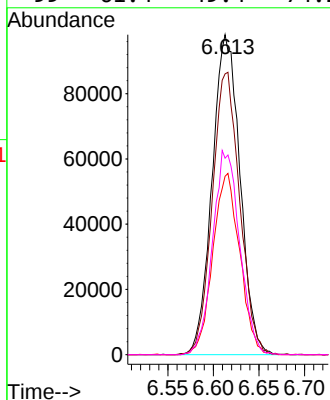
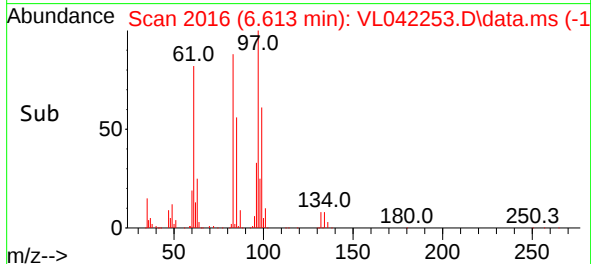
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 97 Resp: 20855
Ion Ratio Lower Upper
97 100
83 87.6 69.2 103.8
85 55.8 43.1 64.7
99 61.4 49.4 74.2

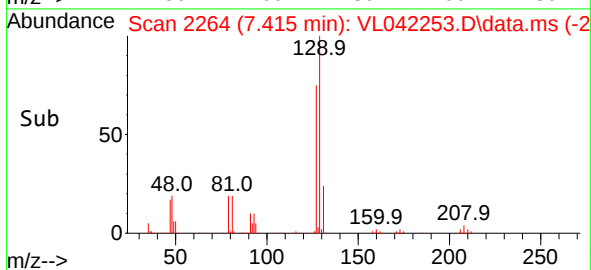
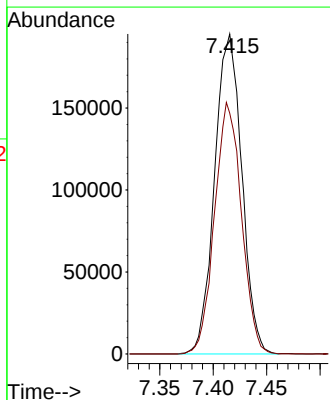
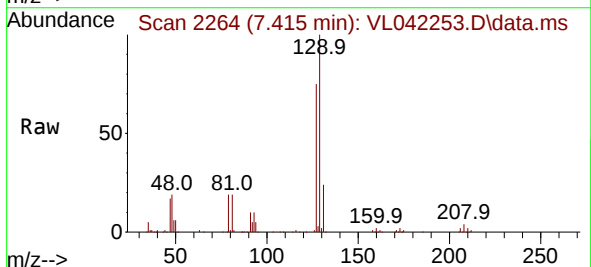
Manual Integrations
APPROVED

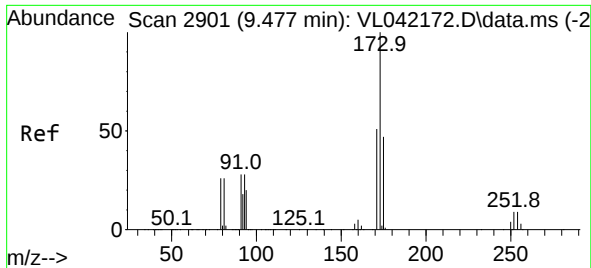
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#48
Dibromochloromethane
Concen: 10.783 ppbv
RT: 7.415 min Scan# 2264
Delta R.T. 0.035 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:129 Resp: 346117
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.2





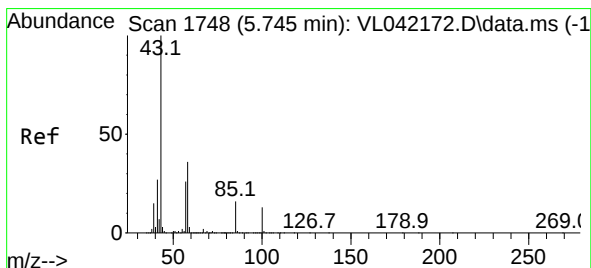
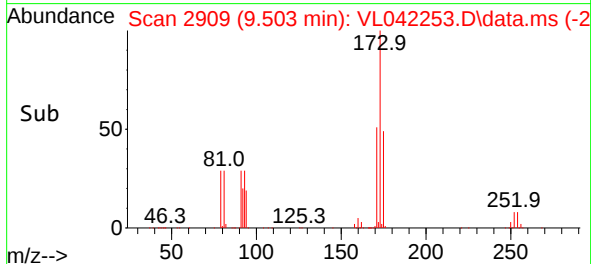
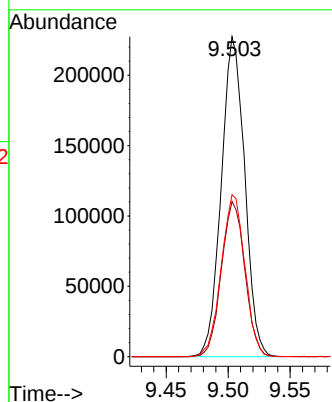
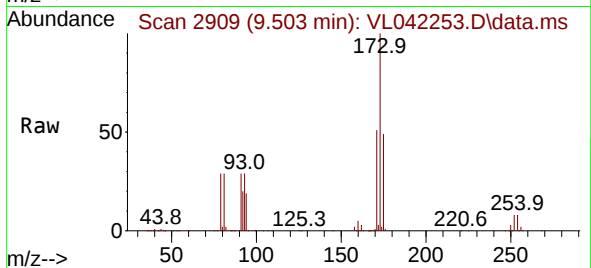
#49
Bromoform
Concen: 10.395 ppbv
RT: 9.503 min Scan# 2901
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 299582
Ion Ratio Lower Upper
173 100
175 48.6 38.6 57.8
171 51.3 41.8 62.6

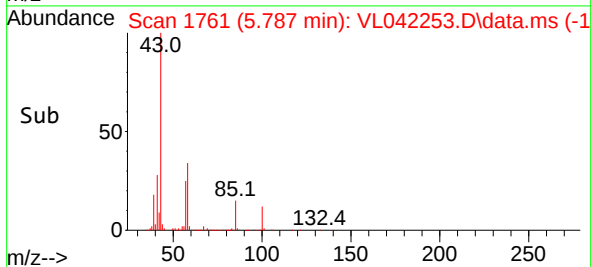
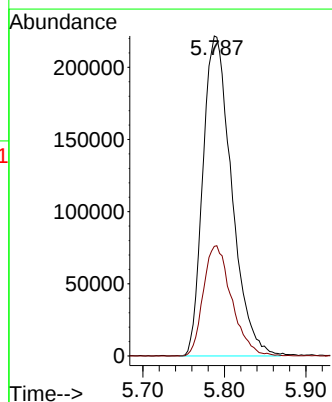
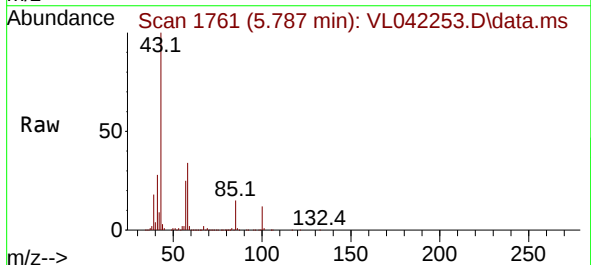
Manual Integrations
APPROVED

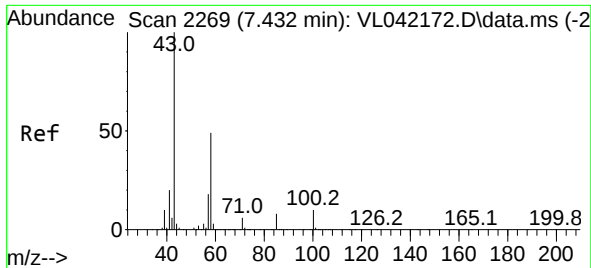
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#50
4-Methyl-2-Pentanone
Concen: 9.519 ppbv
RT: 5.787 min Scan# 1761
Delta R.T. 0.042 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

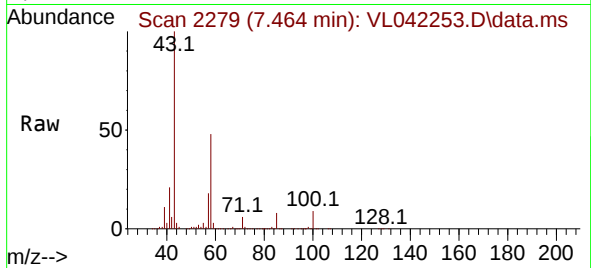
Tgt Ion: 43 Resp: 542853
Ion Ratio Lower Upper
43 100
58 34.0 29.0 43.6





#51
2-Hexanone
Concen: 9.266 ppbv
RT: 7.464 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

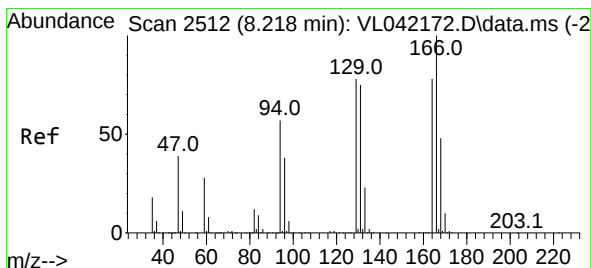
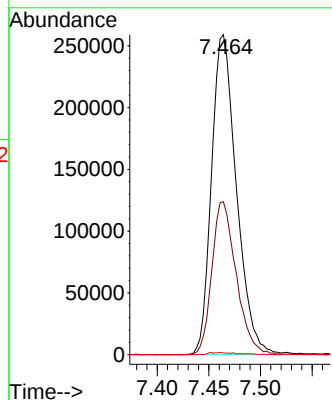
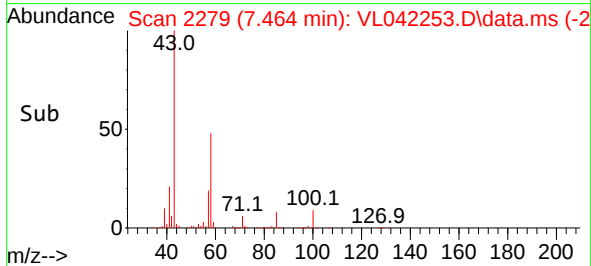
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 433929
Ion Ratio Lower Upper
43 100
58 46.9 39.7 59.5
98 0.8 0.1 0.1

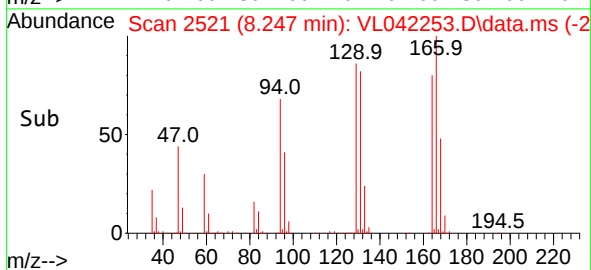
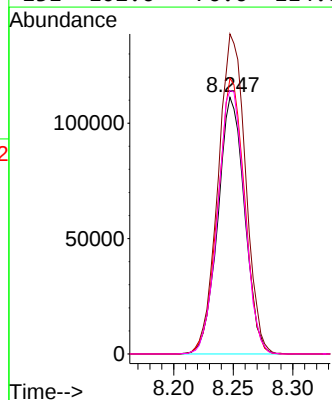
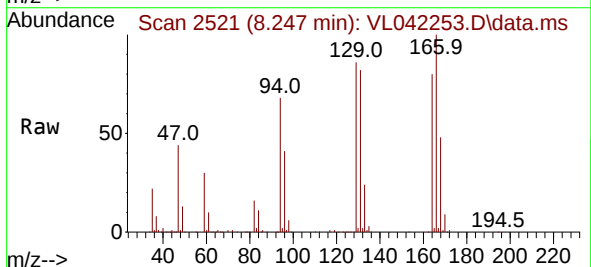
Manual Integrations
APPROVED

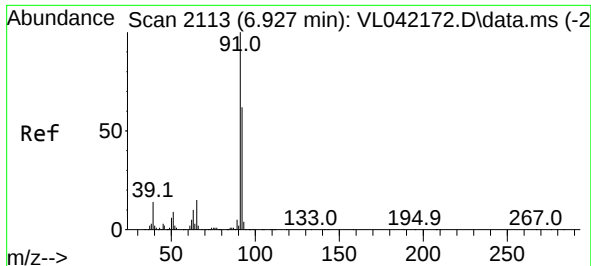
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#52
Tetrachloroethene
Concen: 8.862 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:164 Resp: 172915
Ion Ratio Lower Upper
164 100
166 124.7 102.5 153.7
129 107.4 79.8 119.8
131 102.6 76.6 114.8





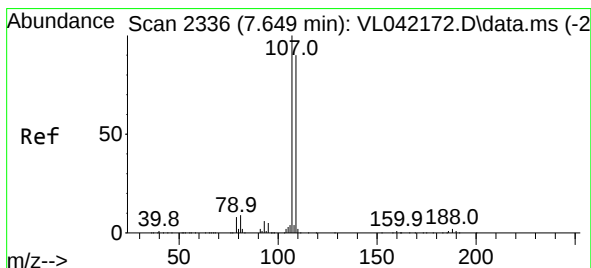
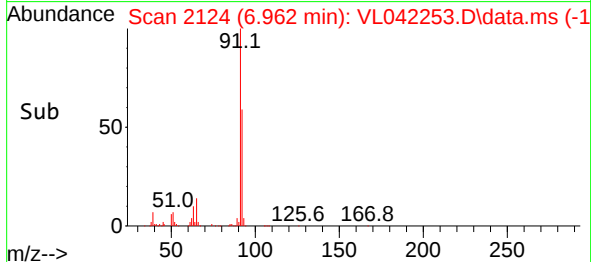
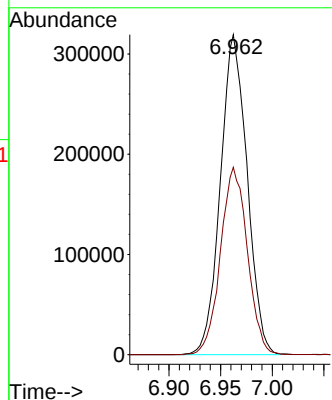
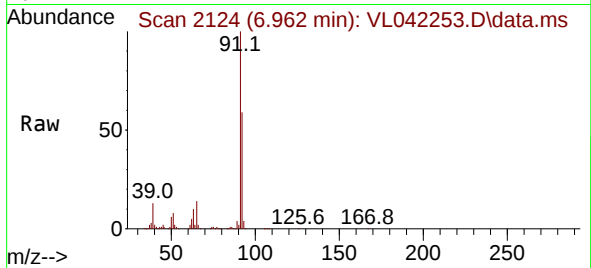
#53
Toluene
Concen: 9.853 ppbv
RT: 6.962 min Scan# 2113
Delta R.T. 0.035 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 574664
Ion Ratio Lower Upper
91 100
92 59.1 48.4 72.6

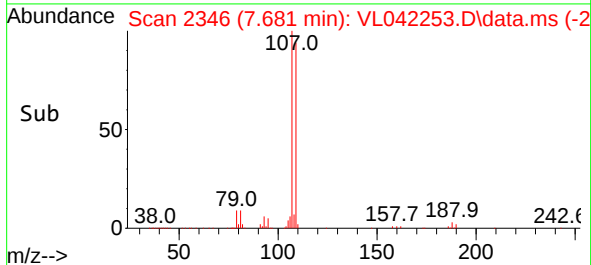
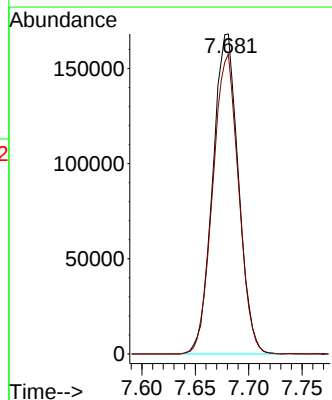
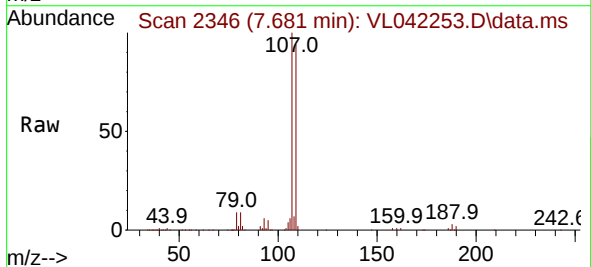
Manual Integrations
APPROVED

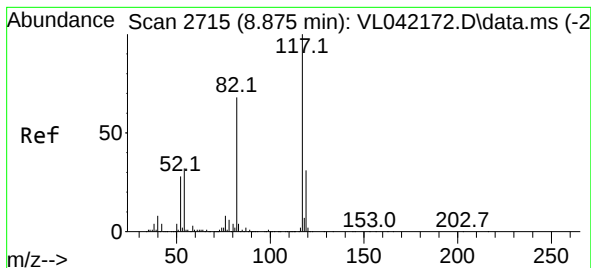
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#54
1,2-Dibromoethane
Concen: 10.659 ppbv
RT: 7.681 min Scan# 2346
Delta R.T. 0.032 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:107 Resp: 281436
Ion Ratio Lower Upper
107 100
109 93.6 72.2 108.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.904 min Scan# 21

Delta R.T. 0.029 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

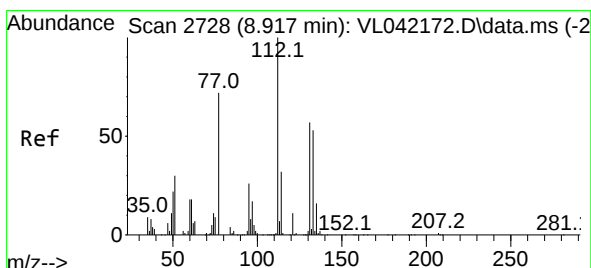
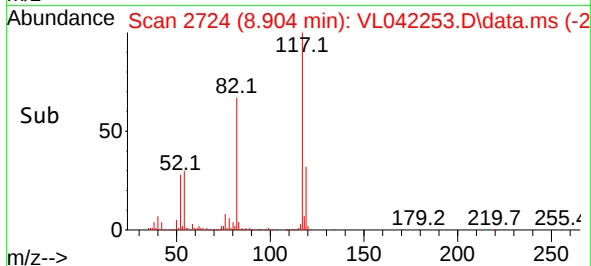
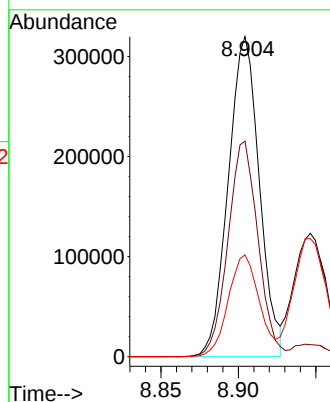
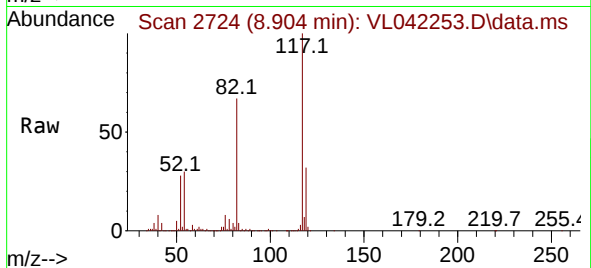
Tgt Ion:117 Resp: 446954

Ion	Ratio	Lower	Upper
117	100		
82	69.4	55.8	83.6
119	31.7	25.5	38.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 11.647 ppbv

RT: 8.946 min Scan# 2737

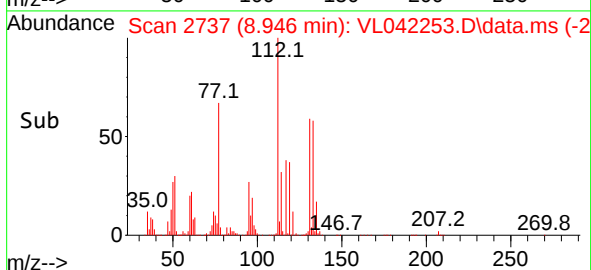
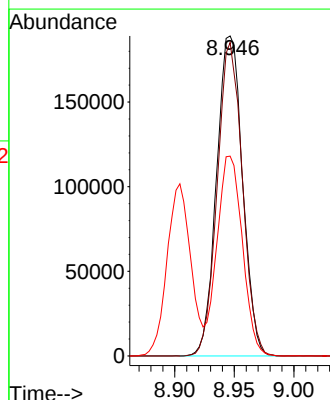
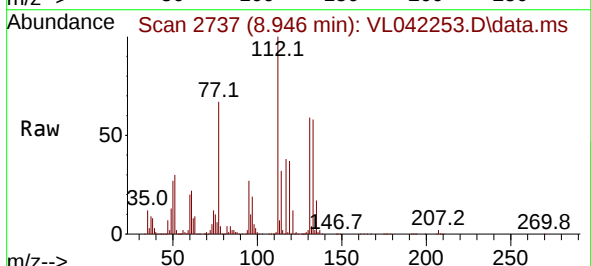
Delta R.T. 0.029 min

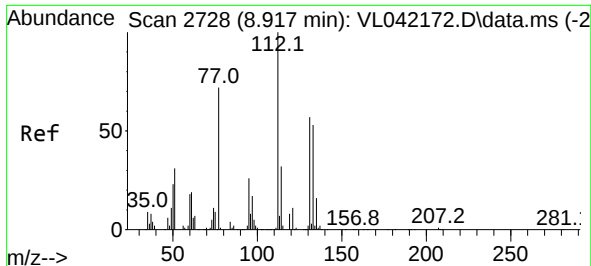
Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Tgt Ion:131 Resp: 286554

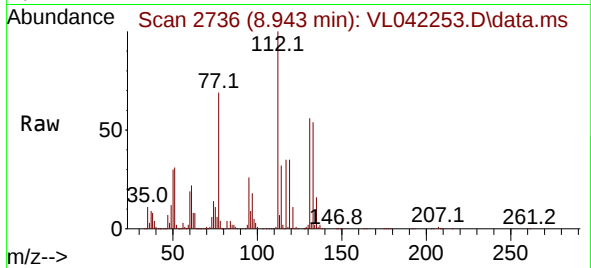
Ion	Ratio	Lower	Upper
131	100		
133	94.6	76.6	114.8
119	62.4	49.8	74.6





#57
Chlorobenzene
Concen: 11.411 ppbv
RT: 8.943 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

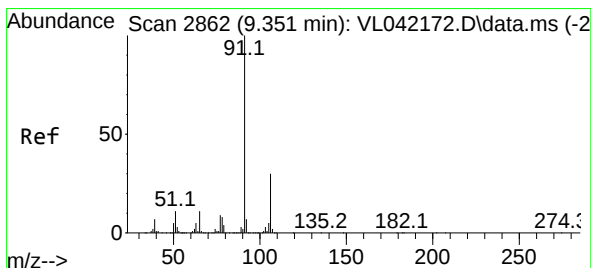
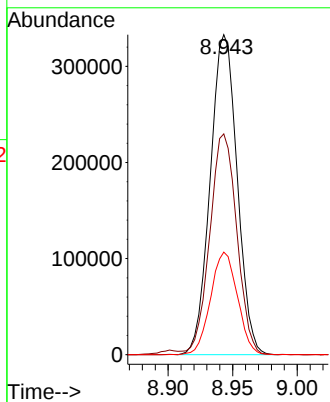
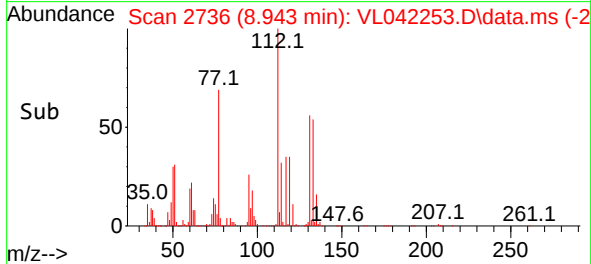
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:112 Resp: 483780
Ion Ratio Lower Upper
112 100
77 69.0 58.2 87.2
114 32.1 29.1 35.5

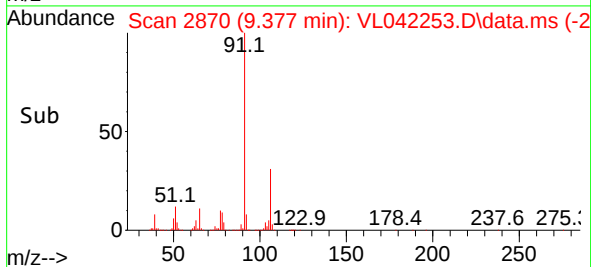
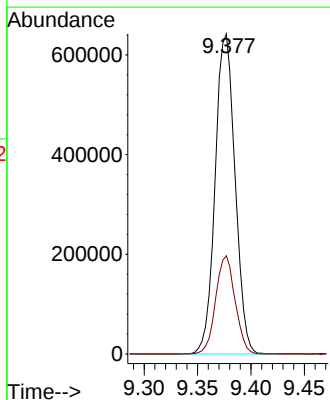
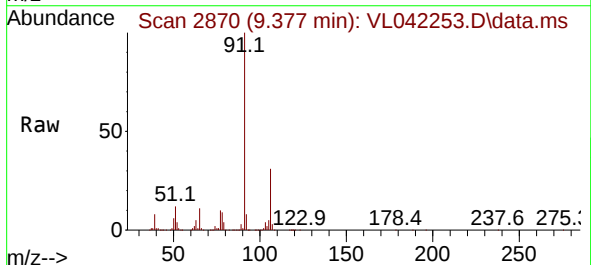
Manual Integrations
APPROVED

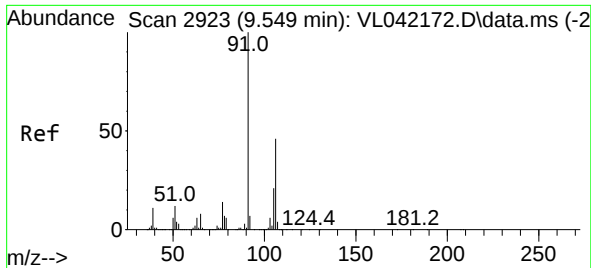
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#58
Ethyl Benzene
Concen: 10.479 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 91 Resp: 831947
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.2





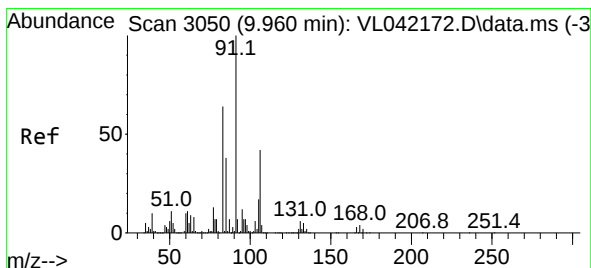
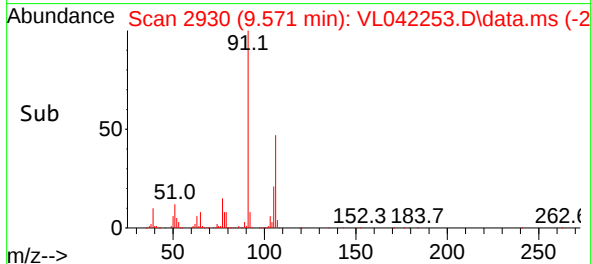
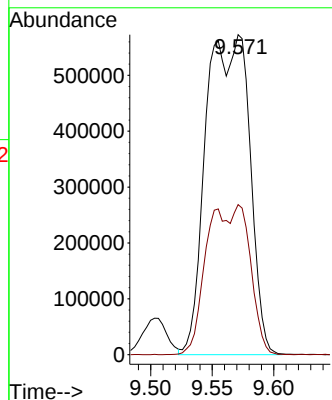
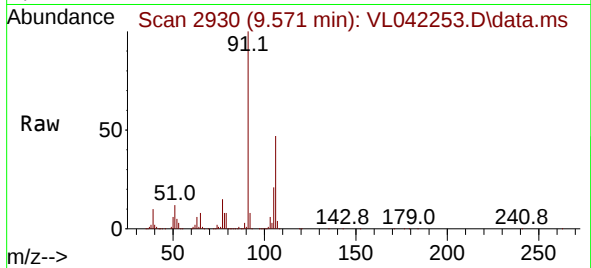
#59
m/p-Xylene
Concen: 22.266 ppbv m
RT: 9.571 min Scan# 2923
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 141155
Ion Ratio Lower Upper
91 100
106 46.4 36.4 54.6

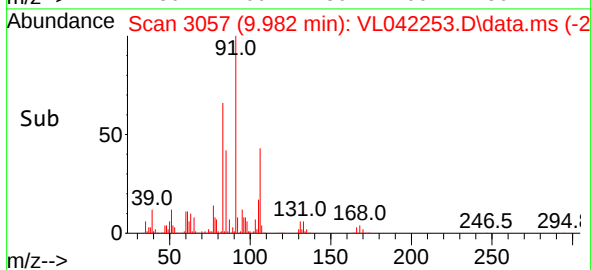
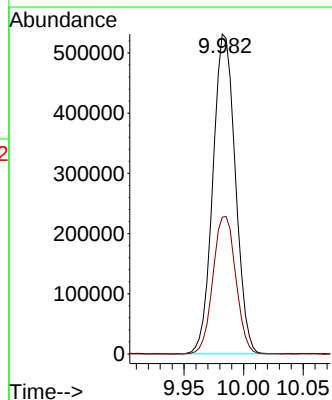
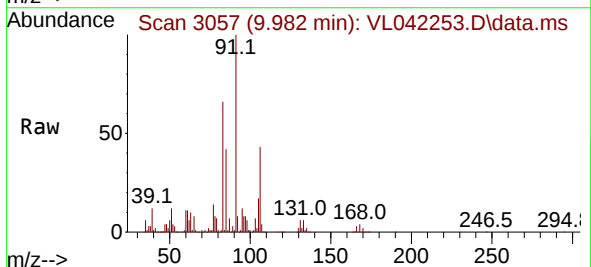
Manual Integrations
APPROVED

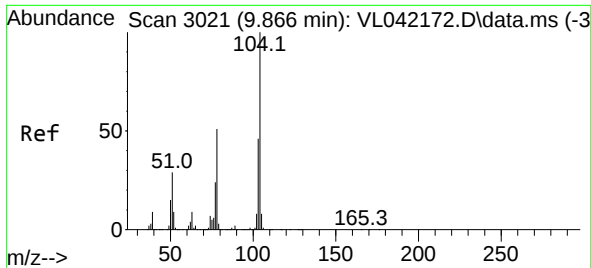
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#60
o-Xylene
Concen: 10.958 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 91 Resp: 696371
Ion Ratio Lower Upper
91 100
106 43.8 20.8 62.5





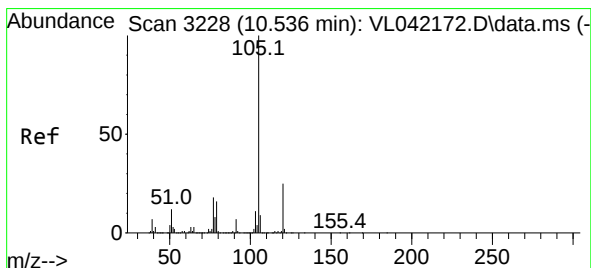
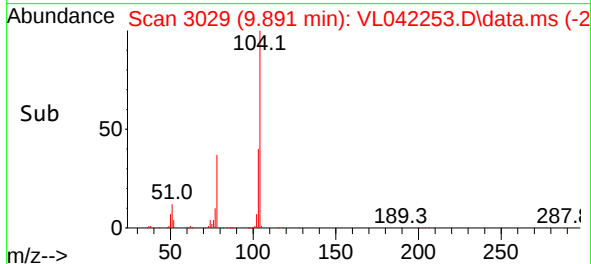
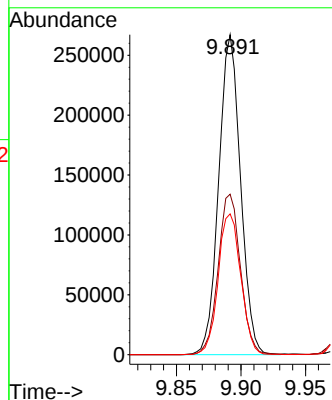
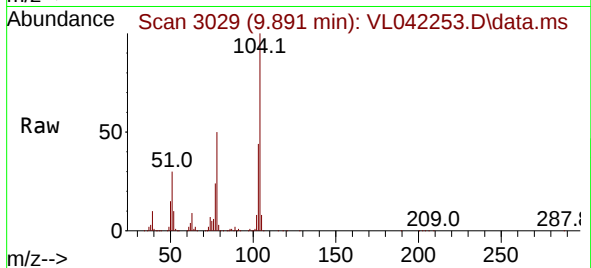
#61
Styrene
Concen: 9.965 ppbv
RT: 9.891 min Scan# 3021
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 31330
Ion Ratio Lower Upper
104 100
78 51.4 41.8 62.6
103 45.8 37.0 55.4

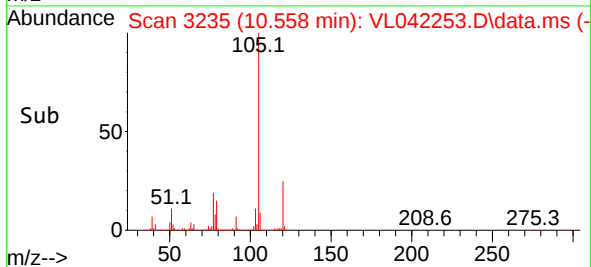
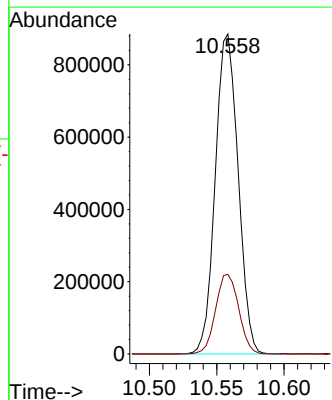
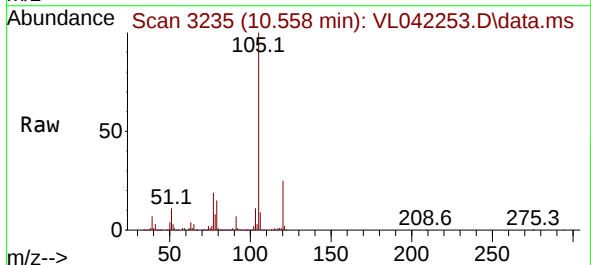
Manual Integrations
APPROVED

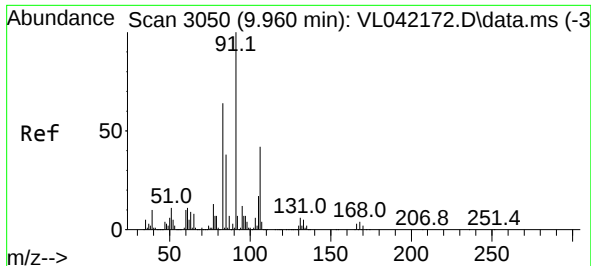
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#62
Isopropylbenzene
Concen: 10.988 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:105 Resp: 1044218
Ion Ratio Lower Upper
105 100
120 25.2 19.9 29.9





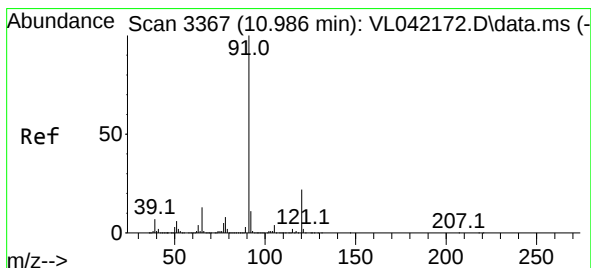
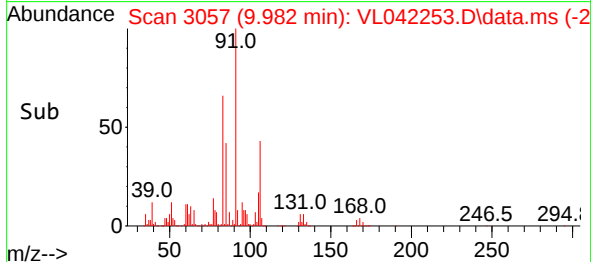
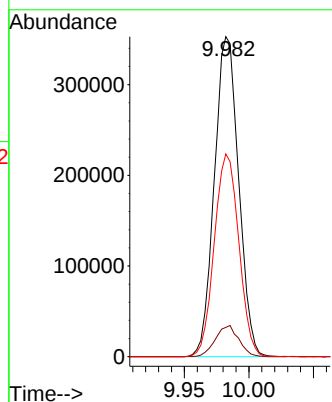
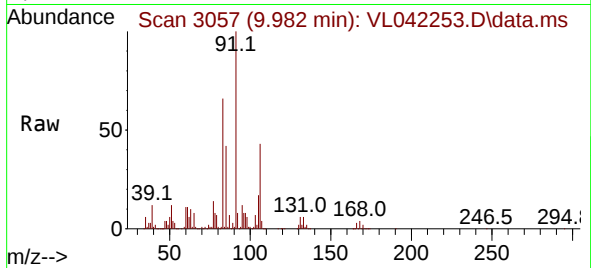
#63
1,1,2,2-Tetrachloroethane
Concen: 11.938 ppbv
RT: 9.982 min Scan# 3050
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 460968
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.4
85 64.0 32.5 97.5

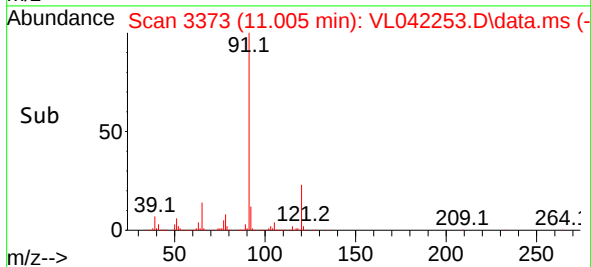
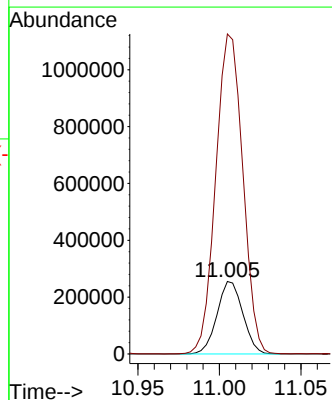
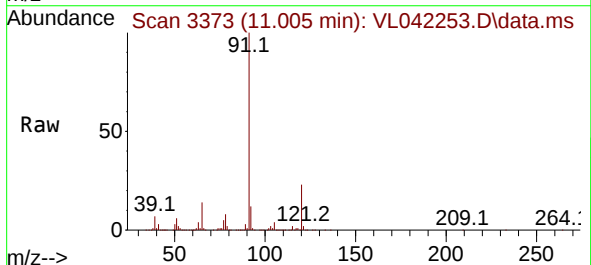
Manual Integrations
APPROVED

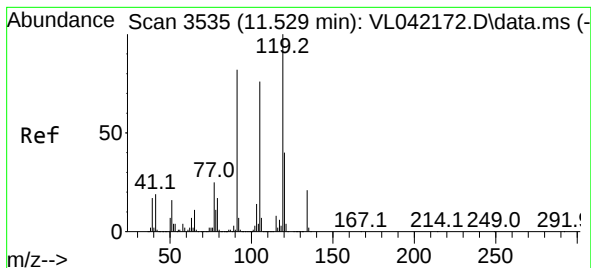
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#64
n-propylbenzene
Concen: 11.439 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

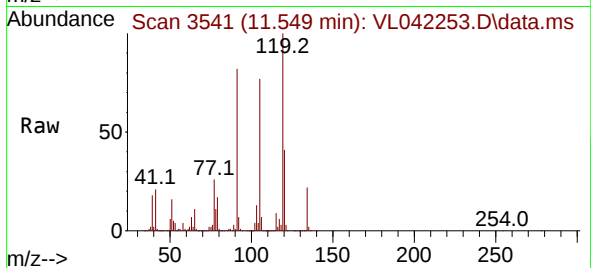
Tgt Ion:120 Resp: 279848
Ion Ratio Lower Upper
120 100
91 464.8 376.9 565.3





#65
tert-Butylbenzene
Concen: 10.755 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

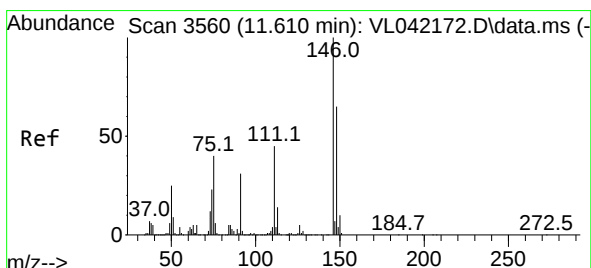
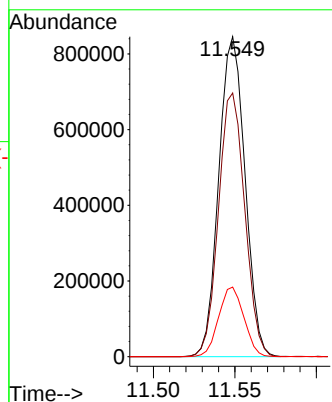
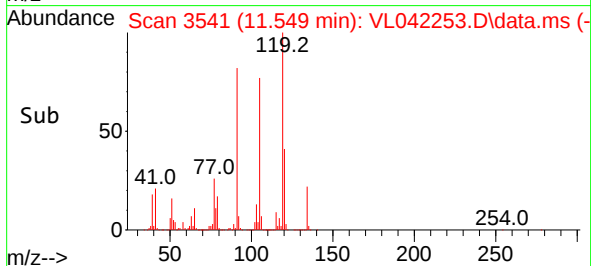
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



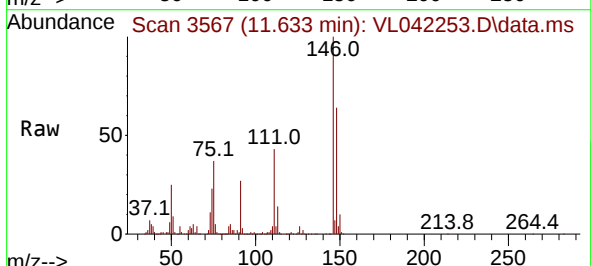
Tgt Ion: 119 Resp: 94523
Ion Ratio Lower Upper
119 100
91 82.7 66.0 99.0
134 21.0 16.7 25.1

Manual Integrations
APPROVED

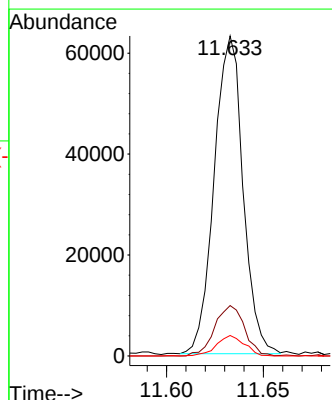
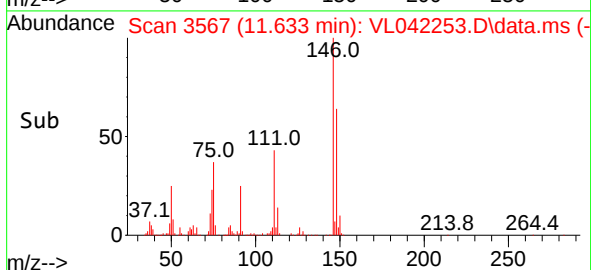
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

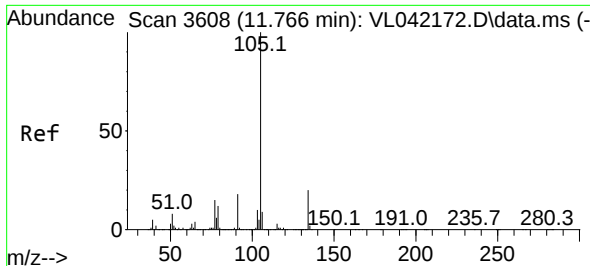


#66
Benzyl Chloride
Concen: 6.992 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39



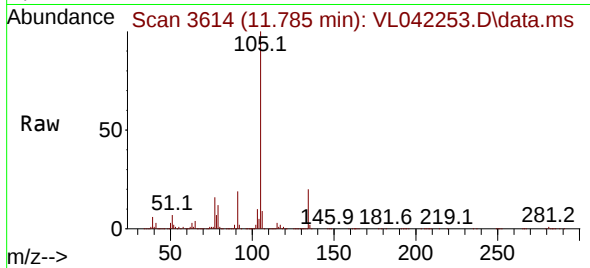
Tgt Ion: 91 Resp: 65203
Ion Ratio Lower Upper
91 100
126 16.6 13.8 20.6
128 6.3 4.5 6.7





#67
 sec-Butylbenzene
 Concen: 10.994 ppbv
 RT: 11.785 min Scan# 3184
 Delta R.T. 0.019 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

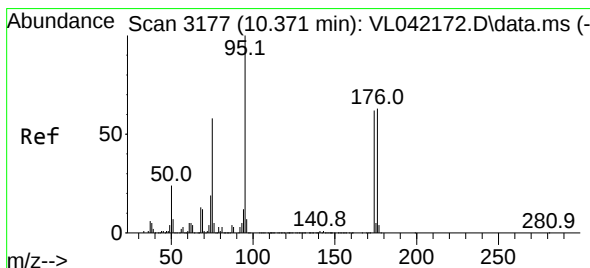
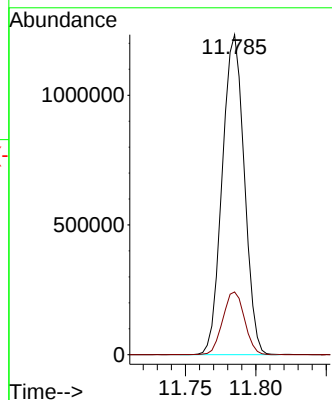
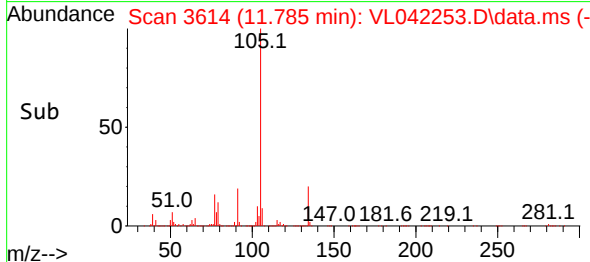
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 105 Resp: 1343060
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.5 23.3

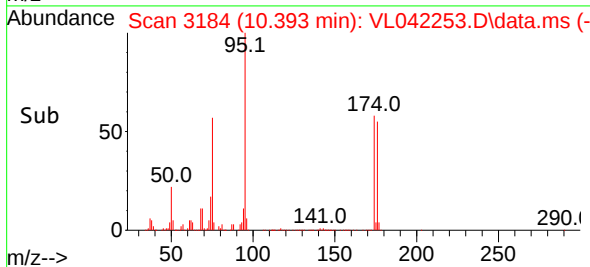
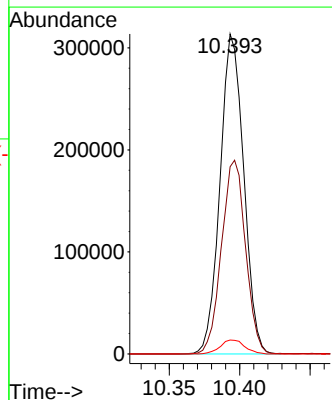
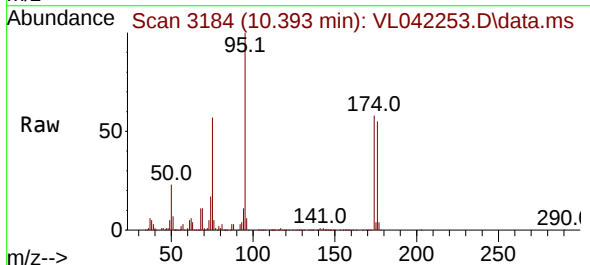
Manual Integrations
 APPROVED

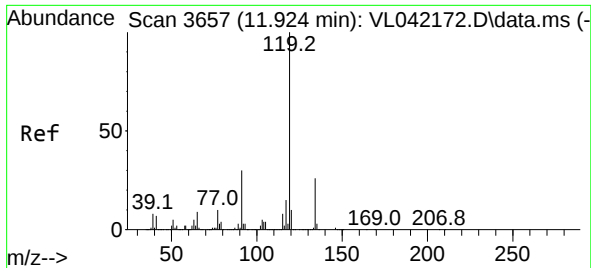
Reviewed By :Semsettin Yesilyurt 04/09/2025
 Supervised By :Mahesh Dadoda 04/09/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.991 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. 0.023 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

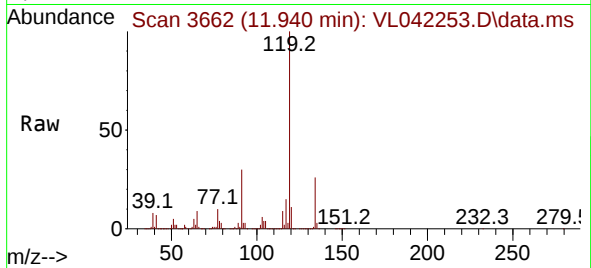
Tgt Ion: 95 Resp: 366722
 Ion Ratio Lower Upper
 95 100
 174 61.7 50.6 76.0
 175 4.5 3.8 5.6





#69
p-Isopropyltoluene
Concen: 10.882 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

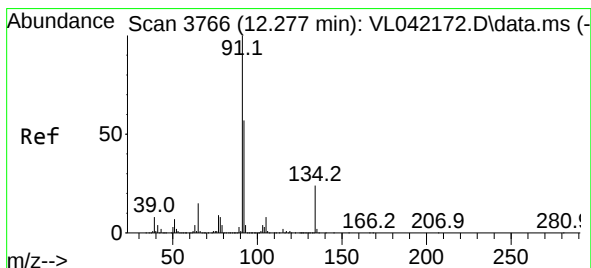
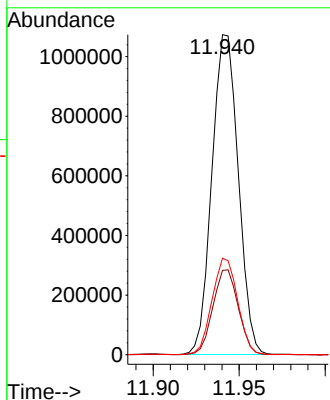
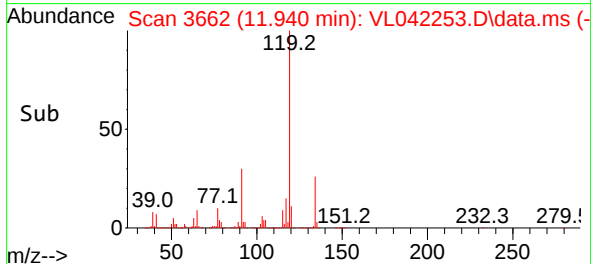
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



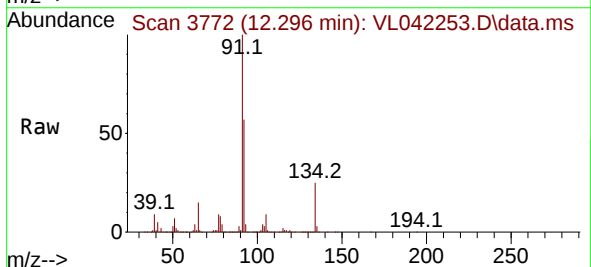
Tgt Ion: 119 Resp: 1144759
Ion Ratio Lower Upper
119 100
134 25.7 20.4 30.6
91 29.3 23.7 35.5

Manual Integrations
APPROVED

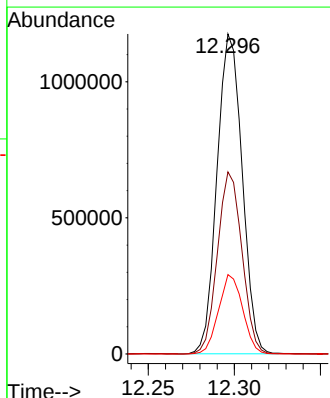
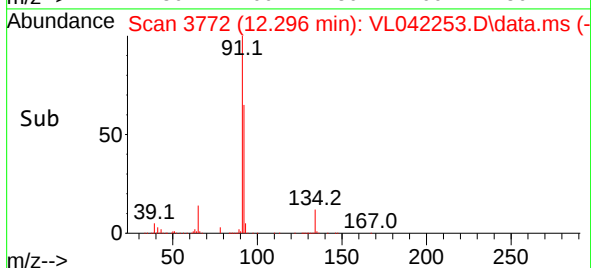
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

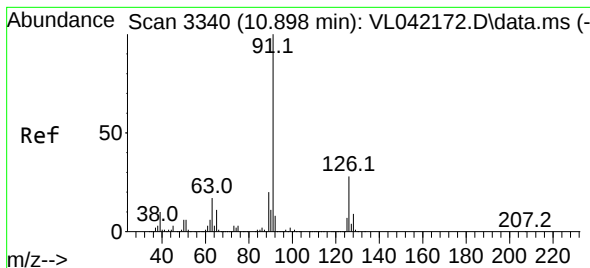


#70
n-Butylbenzene
Concen: 11.103 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39



Tgt Ion: 91 Resp: 1194481
Ion Ratio Lower Upper
91 100
92 55.7 44.9 67.3
134 23.8 19.2 28.8





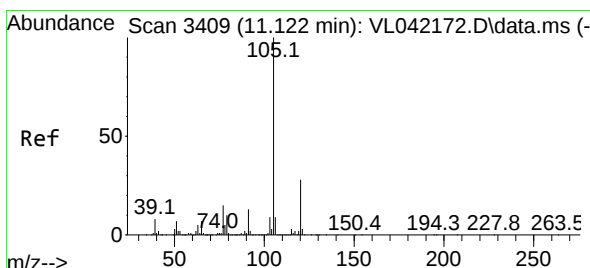
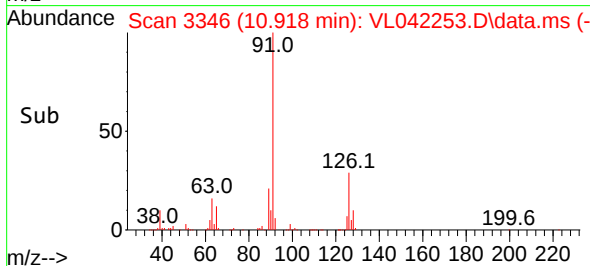
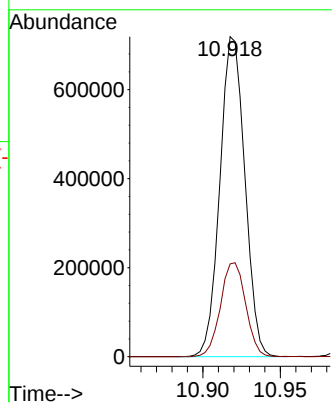
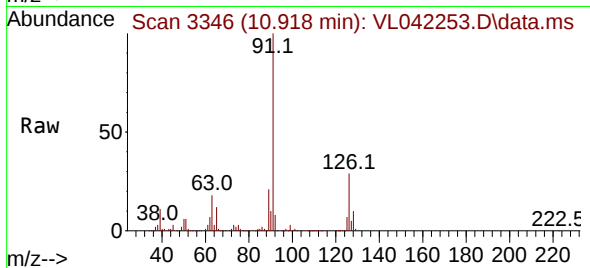
#71
2-Chlorotoluene
Concen: 10.935 ppbv
RT: 10.918 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 806572
Ion Ratio Lower Upper
91 100
126 29.6 11.6 46.4

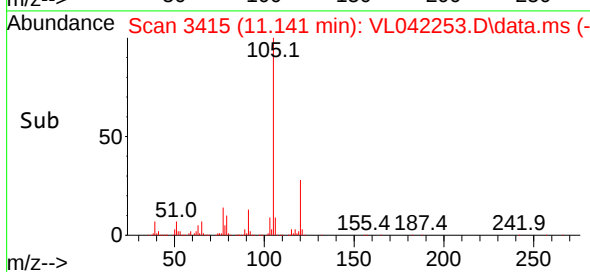
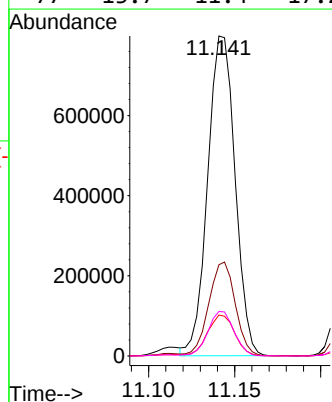
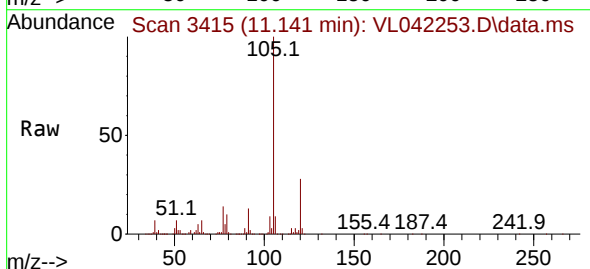
Manual Integrations
APPROVED

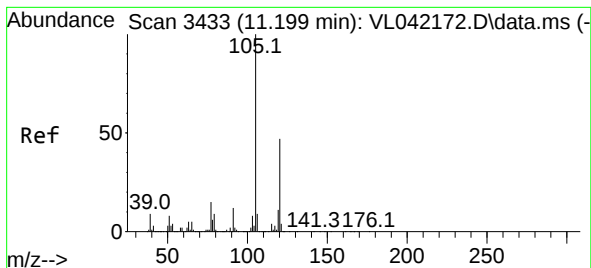
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#72
4-Ethyltoluene
Concen: 11.190 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:105 Resp: 885452
Ion Ratio Lower Upper
105 100
120 29.1 23.4 35.0
91 13.2 10.3 15.5
77 13.7 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 11.080 ppbv

RT: 11.222 min Scan# 3440

Delta R.T. 0.023 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 765708

Ion Ratio Lower Upper

105 100

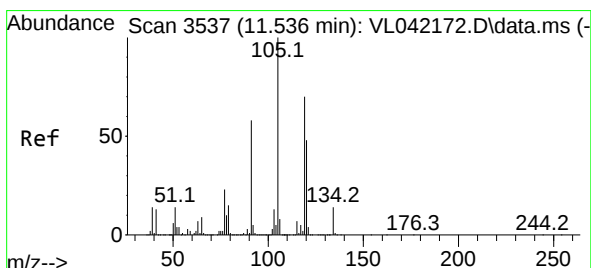
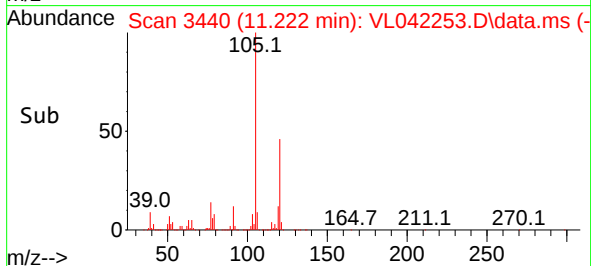
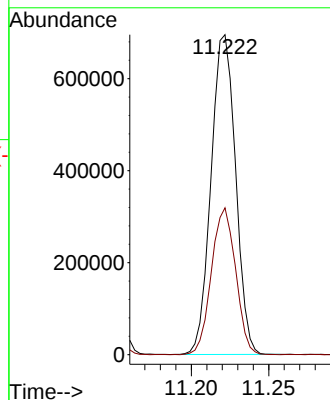
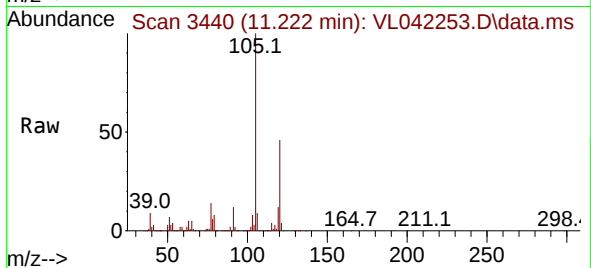
120 45.9 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025

Supervised By :Mahesh Dadoda 04/09/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.660 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. 0.019 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Tgt Ion:105 Resp: 848667

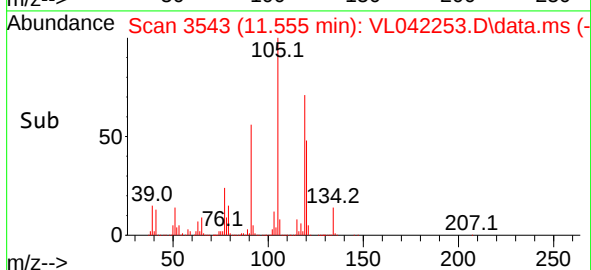
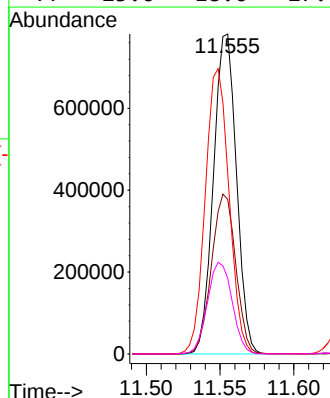
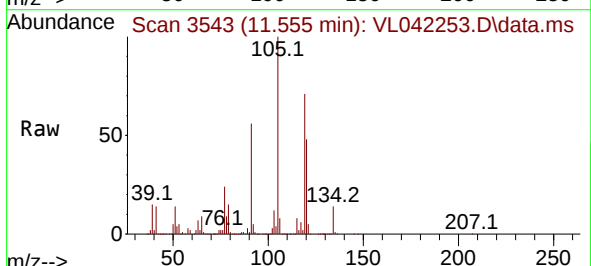
Ion Ratio Lower Upper

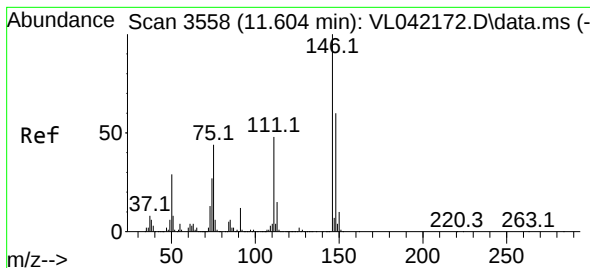
105 100

120 48.3 38.6 58.0

91 56.4 46.2 69.2

77 23.6 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 11.584 ppbv

RT: 11.626 min Scan# 3558

Delta R.T. 0.023 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

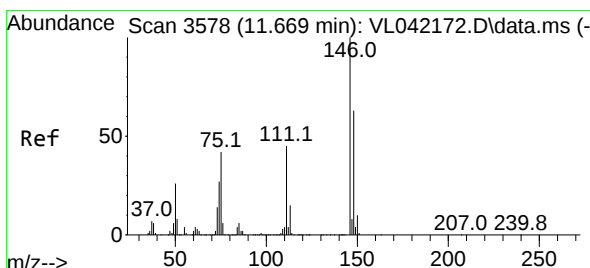
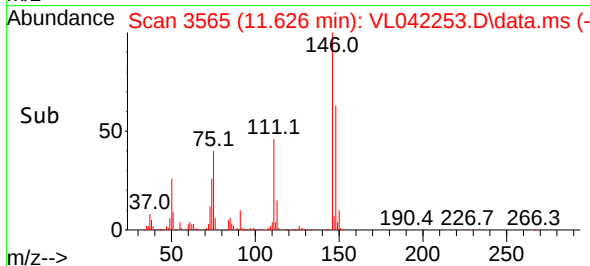
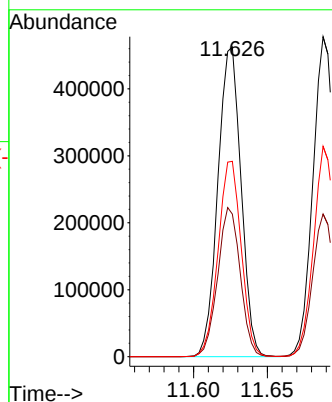
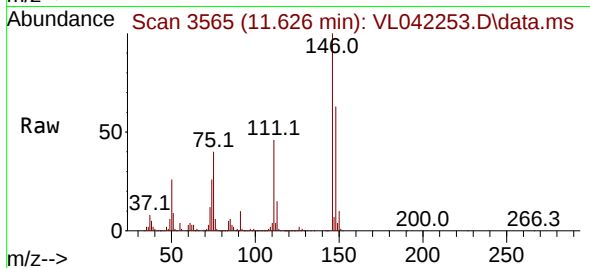
VSTDCCC010

Tgt Ion:146	Resp: 505824
Ion Ratio	Lower Upper
146	100
111	46.9 23.8 71.2
148	62.9 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#76

1,4-Dichlorobenzene

Concen: 11.634 ppbv

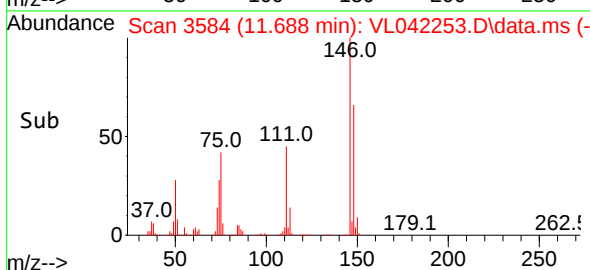
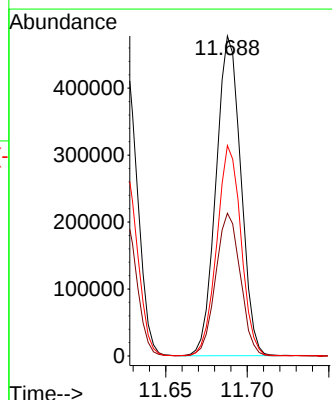
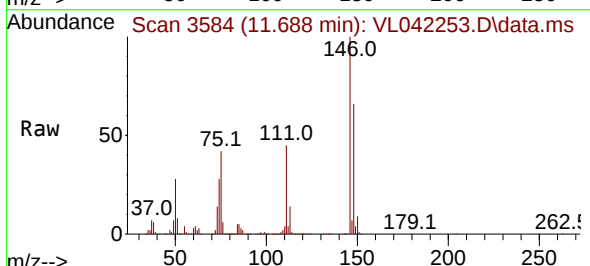
RT: 11.688 min Scan# 3584

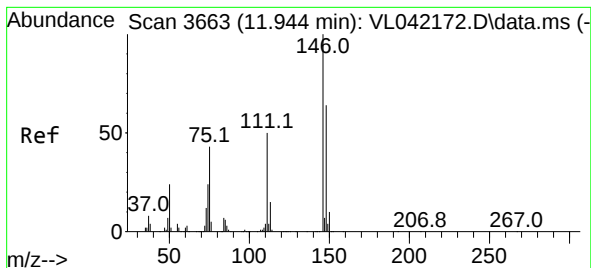
Delta R.T. 0.019 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Tgt Ion:146	Resp: 505562
Ion Ratio	Lower Upper
146	100
111	44.5 23.0 69.0
148	64.5 31.9 95.7





#77

1,2-Dichlorobenzene

Concen: 11.837 ppbv

RT: 11.963 min Scan# 30

Delta R.T. 0.019 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

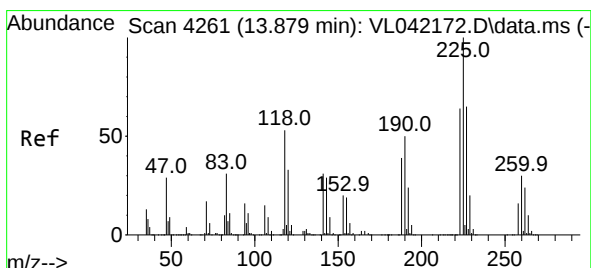
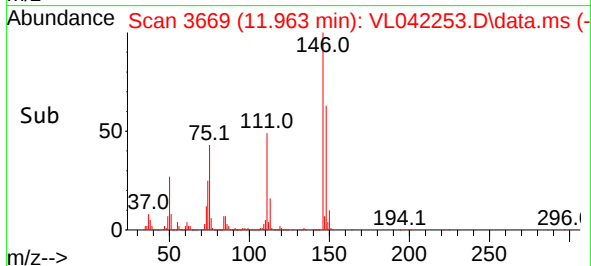
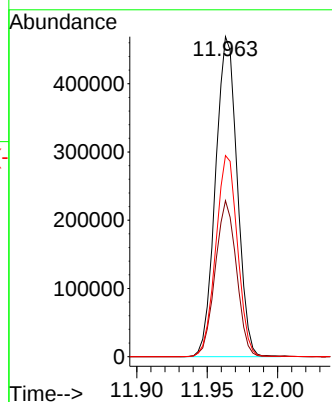
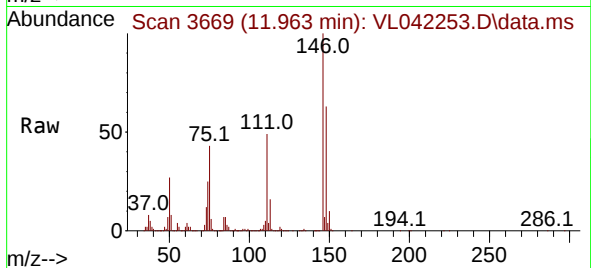
VSTDCCC010

Tgt Ion:	146	Resp:	503274
Ion Ratio	Lower	Upper	
146	100		
111	47.8	24.8	74.3
148	63.0	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#78

Hexachloro-1,3-Butadiene

Concen: 9.223 ppbv

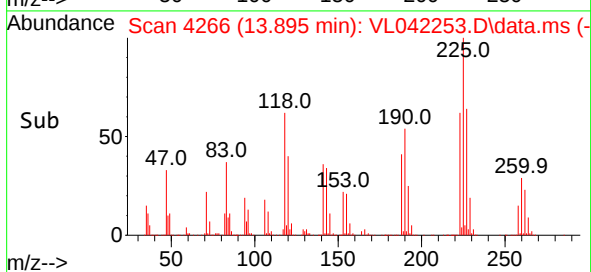
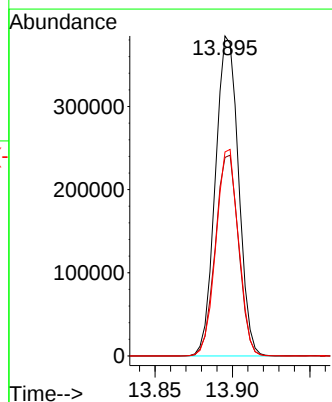
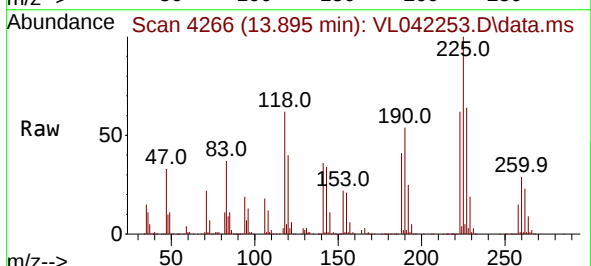
RT: 13.895 min Scan# 4266

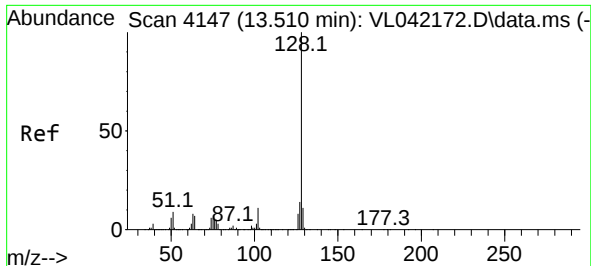
Delta R.T. 0.016 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Tgt Ion:	225	Resp:	399147
Ion Ratio	Lower	Upper	
225	100		
223	62.9	50.6	76.0
227	62.9	51.2	76.8





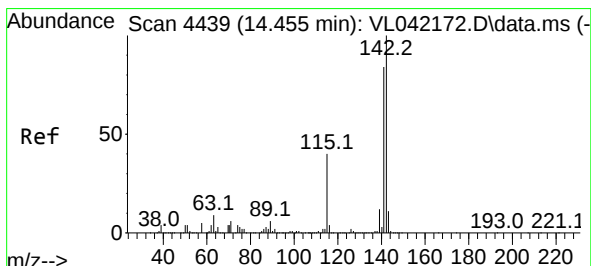
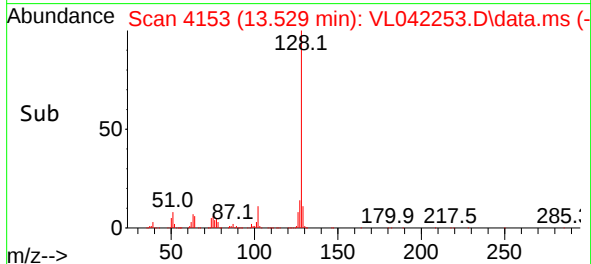
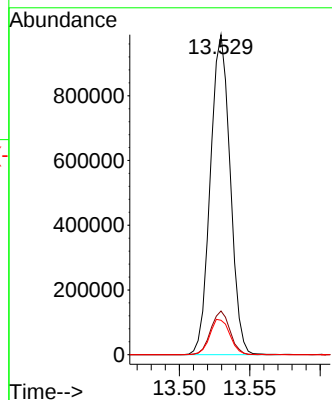
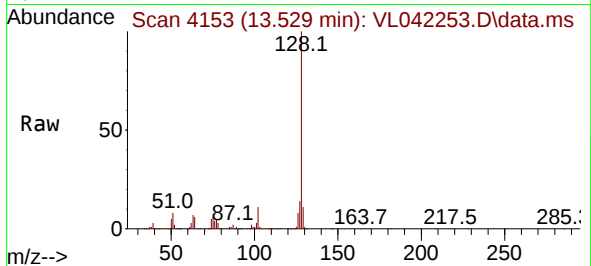
#79
Naphthalene
Concen: 11.108 ppbv
RT: 13.529 min Scan# 4147
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 96731
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 10.8 9.0 13.4

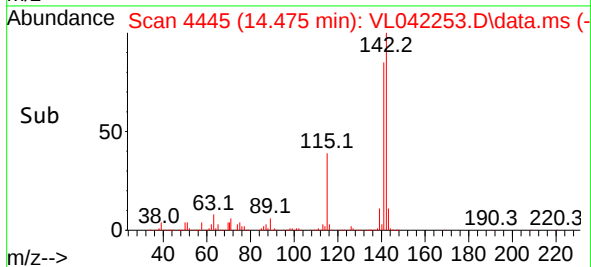
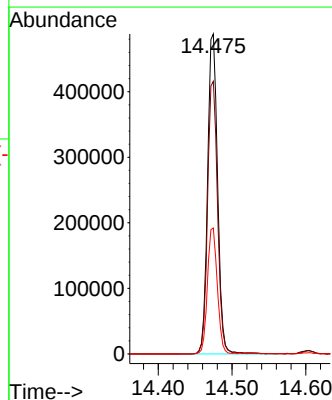
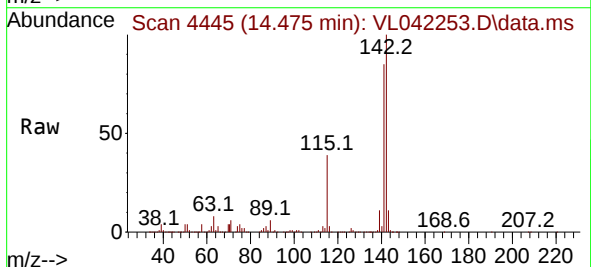
Manual Integrations
APPROVED

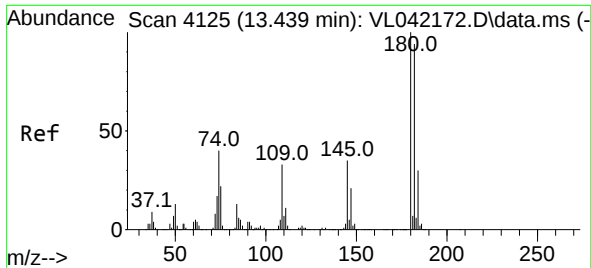
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025



#80
Naphthalene,2-methyl-
Concen: 10.723 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

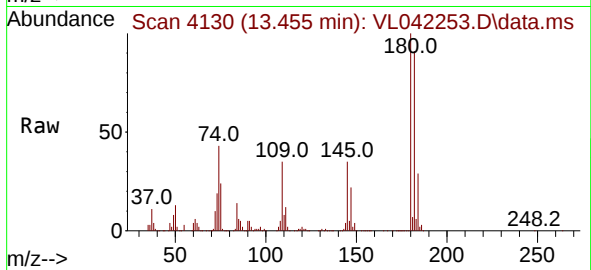
Tgt Ion:142 Resp: 457943
Ion Ratio Lower Upper
142 100
141 85.5 66.3 99.5
115 39.3 31.6 47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.592 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 425460
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.1 112.7
 184 30.4 24.4 36.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
 Supervised By :Mahesh Dadoda 04/09/2025

