

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
 Data File : VL042041.D
 Acq On : 25 Feb 2025 08:56
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
 Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Feb 25 10:10:59 2025

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

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

QLast Update : Tue Feb 18 00:13:37 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	161135	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	422655	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	374249	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 285943 9.263 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	152005	5.480	ppbv	99
3) Chlorodifluoromethane	1.479	51	211185	6.887	ppbv	96
4) Chloromethane	1.538	50	55364	5.136	ppbv	98
5) Vinyl Chloride	1.586	62	54228	4.207	ppbv	98
6) Bromomethane	1.674	94	25846	5.173	ppbv	90
7) Chloroethane	1.709	64	21717	5.169	ppbv	96
8) Dichlorotetrafluoroethane	1.560	85	125595	5.147	ppbv	94
9) Propene	1.489	41	84038	6.357	ppbv	97
10) Heptane	5.007	43	267860	7.296	ppbv	97
11) Trichlorofluoromethane	1.884	101	152112	5.449	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.146	101	112374	5.162	ppbv	93
13) Ethanol	1.729	45	3178	2.131	ppbv	85
14) Bromoethene	1.787	108	42461	5.223	ppbv	99
15) Acetone	1.842	43	115085	4.327	ppbv	95
16) 1,3-Butadiene	1.615	39	57707	4.574	ppbv	100
17) tert-Butyl alcohol	2.049	59	153073	4.651	ppbv	100
18) 1,1-Dichloroethene	2.043	96	51534	4.954	ppbv	95
19) Isopropyl Alcohol	1.894	45	67445	4.522	ppbv	98
20) Methylene Chloride	2.069	84	41998	4.195	ppbv	94
21) Allyl Chloride	2.104	41	86723	4.504	ppbv	99
22) trans-1,2-Dichloroethene	2.350	96	57617	5.104	ppbv	96
23) Vinyl Acetate	2.473	43	83866	5.823	ppbv	98
24) 1,1-Dichloroethane	2.418	63	107817	4.704	ppbv	100
25) Ethyl Acetate	2.852	43	511505	7.007	ppbv	99
26) Hexane	2.839	57	206577	7.052	ppbv	98
27) Carbon Disulfide	2.159	76	137978	5.008	ppbv	97
28) Methyl tert-Butyl Ether	2.450	73	84091	4.696	ppbv	98
29) Chloroform	2.862	83	277411	6.538	ppbv	96
30) Cyclohexane	3.875	84	173351	7.295	ppbv	98
31) cis-1,2-Dichloroethene	2.732	61	199354	6.886	ppbv	98
32) 1,1,1-Trichloroethane	3.383	97	285335	6.064	ppbv	98
34) 2-Butanone	2.570	43	292449	8.043	ppbv	100
35) Carbon Tetrachloride	3.781	117	276677	6.741	ppbv	97
36) Benzene	3.674	78	409501	7.999	ppbv	98
37) 1,2-Dichloroethane	3.234	62	219829	7.543	ppbv	100
38) Trichloroethene	4.570	130	159933	7.689	ppbv	93
39) 1,2-Dichloropropane	4.337	63	151036	8.047	ppbv	99
40) 1,4-Dioxane	4.609	88	69399	7.105	ppbv #	76
41) Tetrahydrofuran	3.072	42	176830	8.509	ppbv	95
42) Bromodichloromethane	4.512	83	312250	7.908	ppbv	97
43) Methyl Methacrylate	4.907	69	165494	7.091	ppbv	97
44) 2,2,4-Trimethylpentane	4.661	57	705920	8.122	ppbv	97
45) t-1,3-Dichloropropene	6.444	75	166207	7.544	ppbv	91

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Quant Time: Feb 25 10:10:59 2025

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

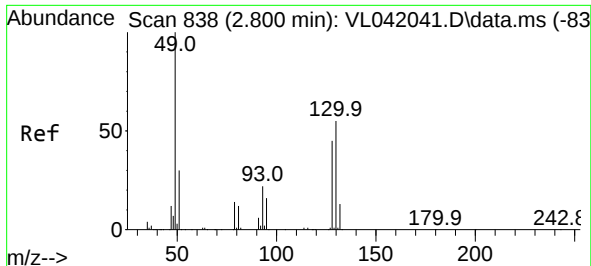
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Feb 18 00:13:37 2025

Response via : Initial Calibration

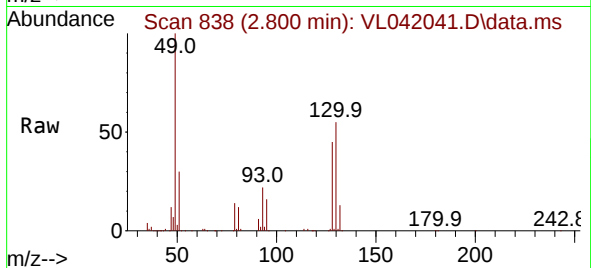
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.629	75	218294	7.809	ppbv	99
47) 1,1,2-Trichloroethane	6.610	97	152556	7.723	ppbv	97
48) Dibromochloromethane	7.412	129	251213	7.593	ppbv	99
49) Bromoform	9.503	173	222057	8.183	ppbv	98
50) 4-Methyl-2-Pentanone	5.787	43	428434	7.666	ppbv	100
51) 2-Hexanone	7.464	43	352331	7.709	ppbv #	96
52) Tetrachloroethene	8.244	164	138263	7.743	ppbv	94
53) Toluene	6.959	91	460041	7.541	ppbv	97
54) 1,2-Dibromoethane	7.678	107	211395	7.772	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.943	131	188811	7.049	ppbv	97
57) Chlorobenzene	8.940	112	340525	7.735	ppbv	97
58) Ethyl Benzene	9.374	91	633939	7.739	ppbv	98
59) m/p-Xylene	9.552	91	995259m	15.427	ppbv	
60) o-Xylene	9.982	91	493069	7.557	ppbv	97
61) Styrene	9.888	104	246161	7.912	ppbv	98
62) Isopropylbenzene	10.555	105	736884	7.522	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.979	83	317313	7.538	ppbv	100
64) n-propylbenzene	11.005	120	196044	8.145	ppbv	90
65) tert-Butylbenzene	11.545	119	648698	7.596	ppbv	97
66) Benzyl Chloride	11.630	91	57345	6.699	ppbv #	97
67) sec-Butylbenzene	11.782	105	928863	7.744	ppbv	99
69) p-Isopropyltoluene	11.940	119	756264	7.702	ppbv	98
70) n-Butylbenzene	12.296	91	774646	8.009	ppbv	99
71) 2-Chlorotoluene	10.918	91	566619	7.681	ppbv	97
72) 4-Ethyltoluene	11.141	105	606538	7.934	ppbv	98
73) 1,3,5-Trimethylbenzene	11.219	105	516875	7.838	ppbv	100
74) 1,2,4-Trimethylbenzene	11.552	105	550412	7.777	ppbv	98
75) 1,3-Dichlorobenzene	11.623	146	325160	8.535	ppbv	97
76) 1,4-Dichlorobenzene	11.685	146	322404	8.678	ppbv	97
77) 1,2-Dichlorobenzene	11.963	146	312942	8.593	ppbv	96
78) Hexachloro-1,3-Butadiene	13.895	225	238217	7.907	ppbv	100
79) Naphthalene	13.526	128	513192	7.372	ppbv	99
80) Naphthalene,2-methyl-	14.471	142	210405	6.676	ppbv	95
81) 1,2,4-Trichlorobenzene	13.455	180	241031	8.517	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

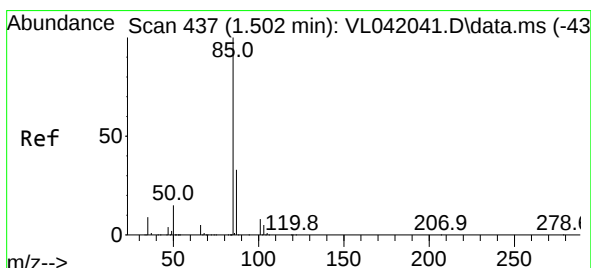
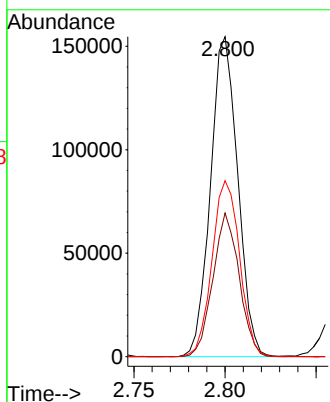
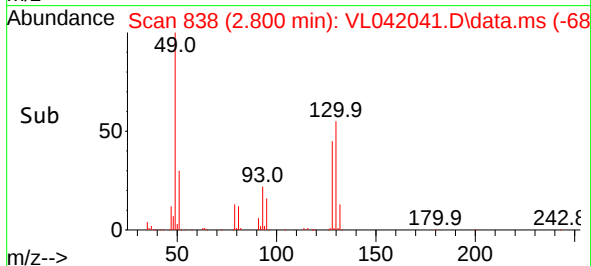
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



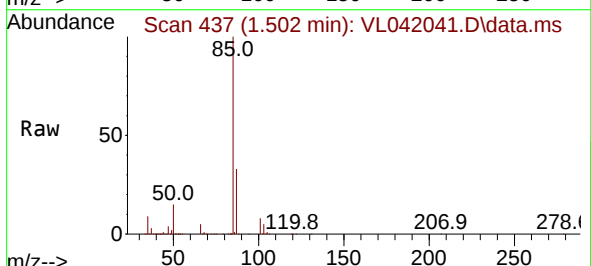
Tgt Ion: 49 Resp: 161135
Ion Ratio Lower Upper
49 100
128 43.2 22.7 68.0
130 55.6 29.9 89.8

Manual Integrations
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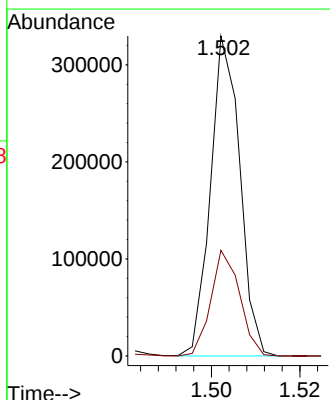
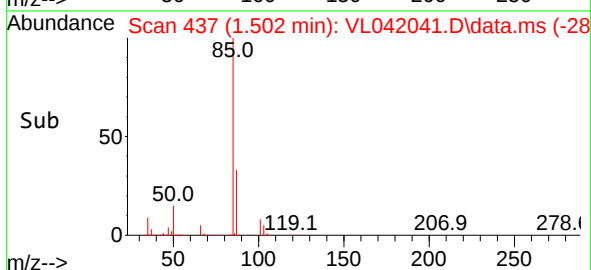
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

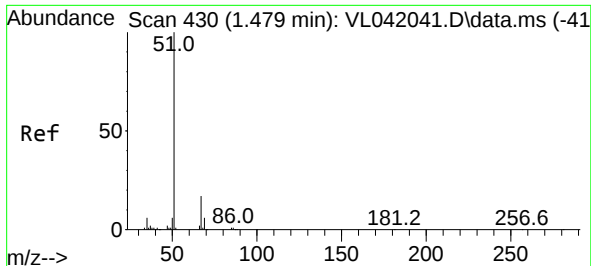


#2
Dichlorodifluoromethane
Concen: 5.480 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56



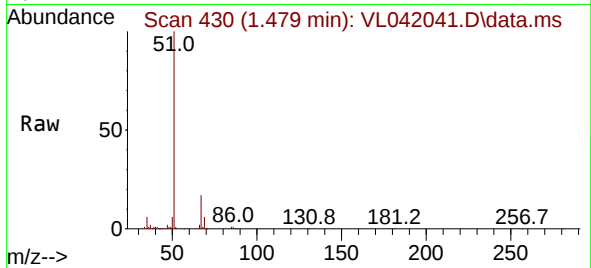
Tgt Ion: 85 Resp: 152005
Ion Ratio Lower Upper
85 100
87 33.0 26.9 40.3





#3
Chlorodifluoromethane
Concen: 6.887 ppbv
RT: 1.479 min Scan# 411
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

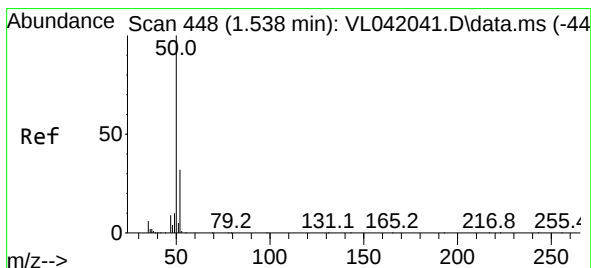
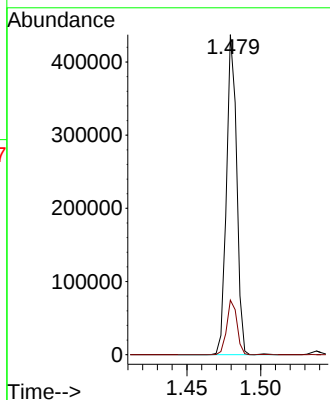
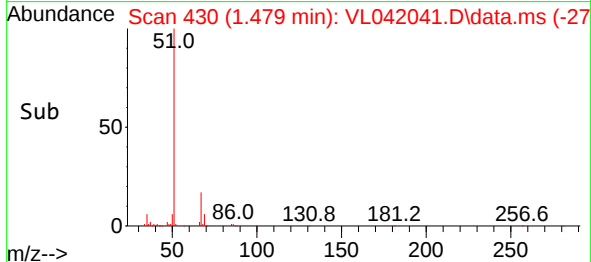
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



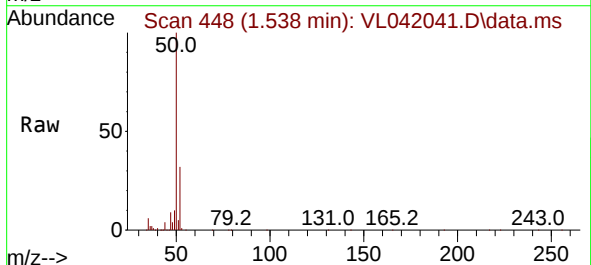
Tgt Ion: 51 Resp: 21118
Ion Ratio Lower Upper
51 100
67 17.1 15.0 22.6

Manual Integrations
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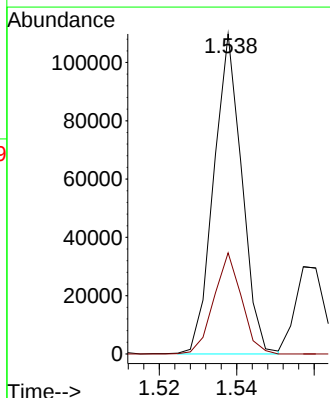
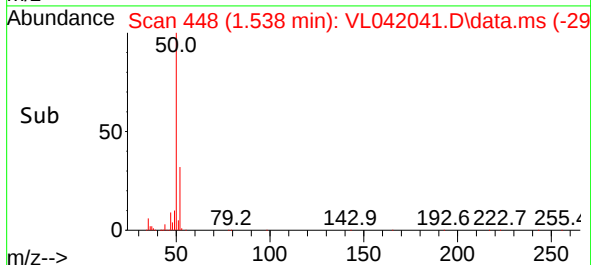
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

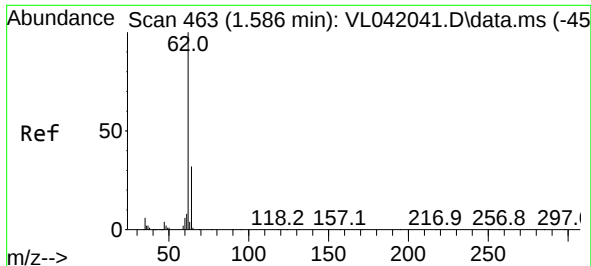


#4
Chloromethane
Concen: 5.136 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56



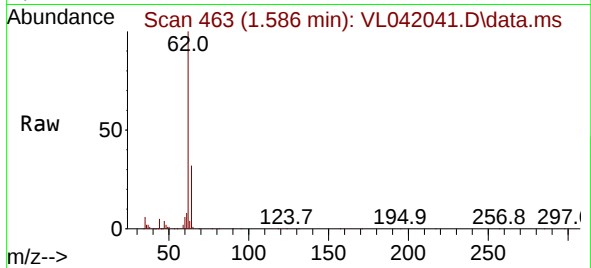
Tgt Ion: 50 Resp: 55364
Ion Ratio Lower Upper
50 100
52 31.7 26.2 39.2





#5
 Vinyl Chloride
 Concen: 4.207 ppbv
 RT: 1.586 min Scan# 463
 Delta R.T. 0.000 min
 Lab File: VL042041.D
 Acq: 25 Feb 2025 08:56

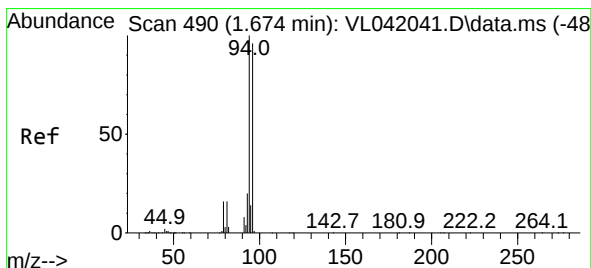
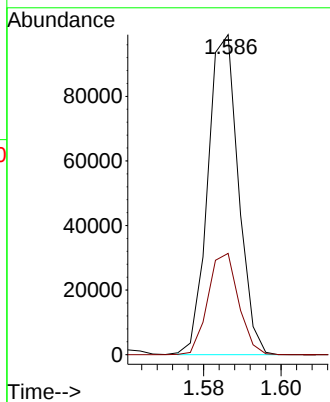
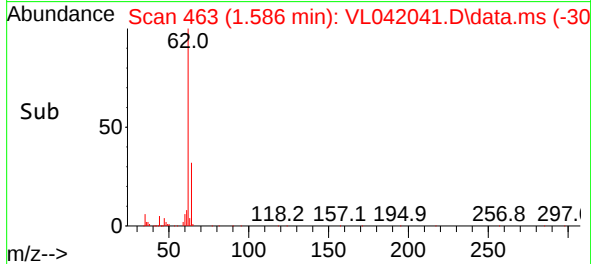
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion: 62 Resp: 54228
 Ion Ratio Lower Upper
 62 100
 64 31.6 24.4 36.6

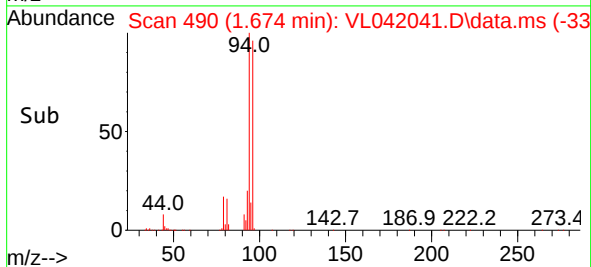
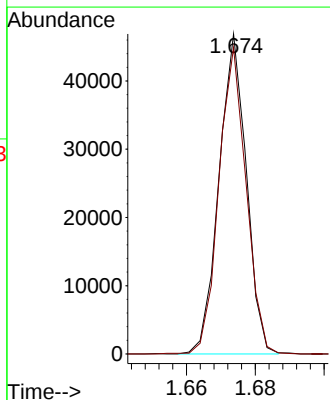
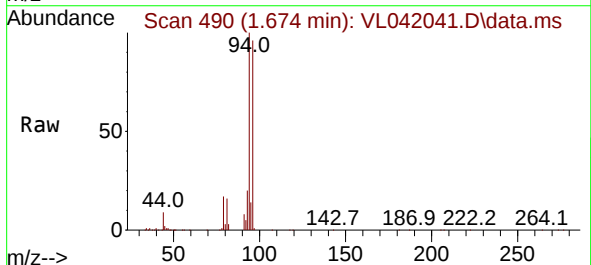
Manual Integrations
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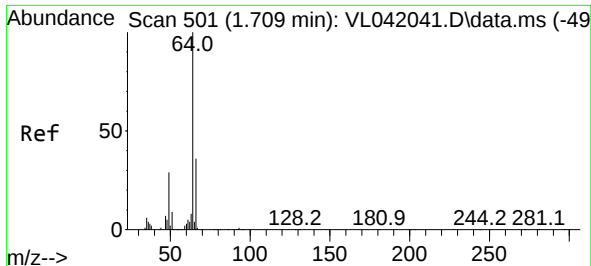
Reviewed By :Mahesh Dadoda 03/06/2025
 Supervised By :Semsettin Yesilyurt 03/06/2025



#6
 Bromomethane
 Concen: 5.173 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.000 min
 Lab File: VL042041.D
 Acq: 25 Feb 2025 08:56

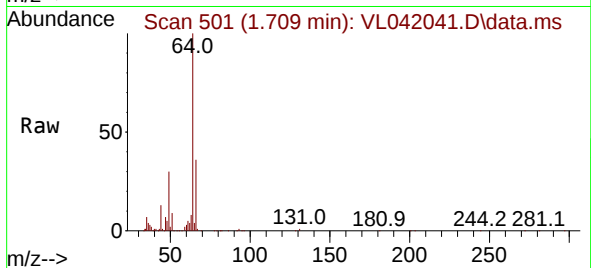
Tgt Ion: 94 Resp: 25846
 Ion Ratio Lower Upper
 94 100
 96 95.6 69.0 103.6





#7
Chloroethane
Concen: 5.169 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

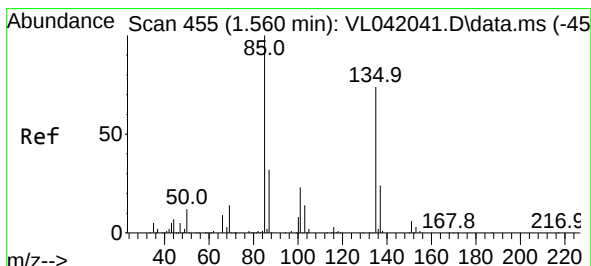
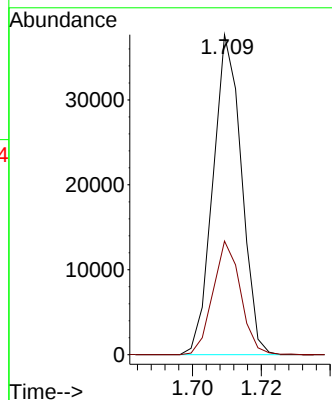
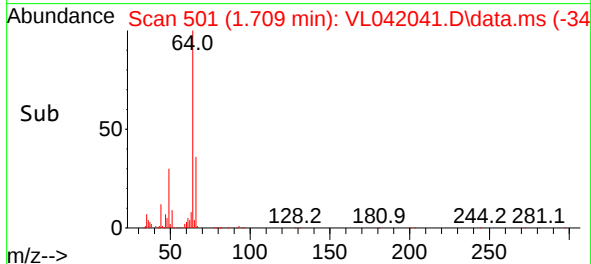
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



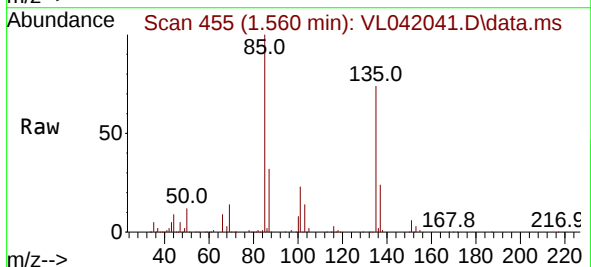
Tgt Ion: 64 Resp: 2171
Ion Ratio Lower Upper
64 100
66 35.5 26.5 39.7

Manual Integrations
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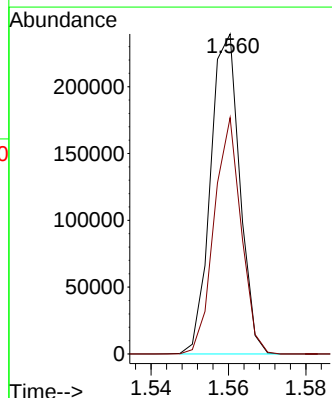
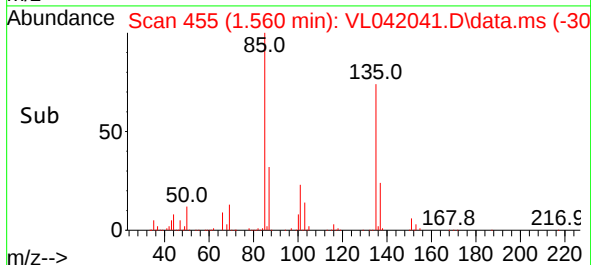
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

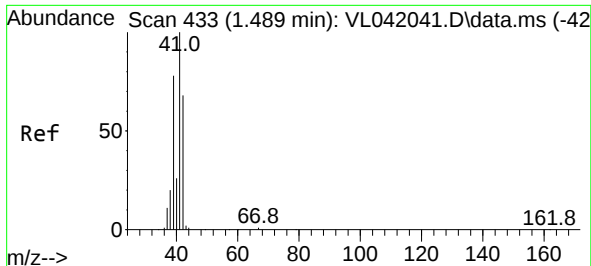


#8
Dichlorotetrafluoroethane
Concen: 5.147 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56



Tgt Ion: 85 Resp: 125595
Ion Ratio Lower Upper
85 100
135 68.2 50.9 76.3





#9

Propene

Concen: 6.357 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 41 Resp: 84038

Ion Ratio Lower Upper

41 100

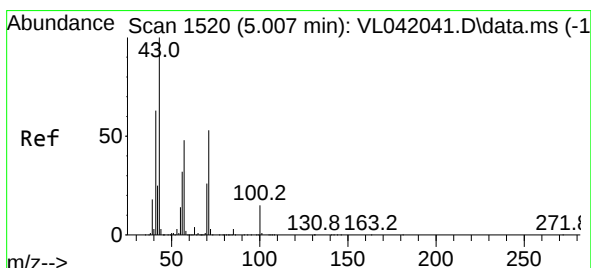
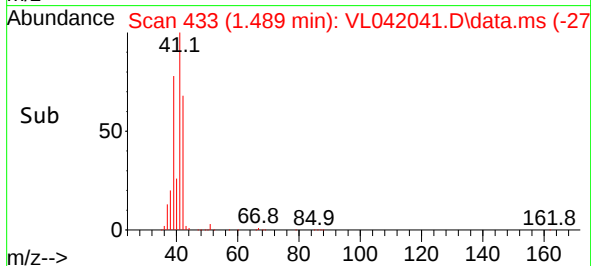
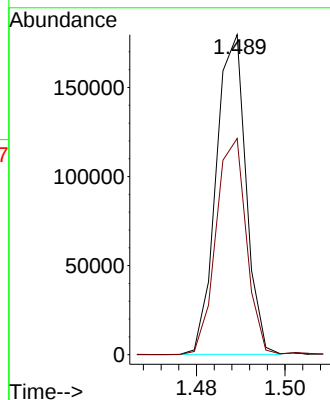
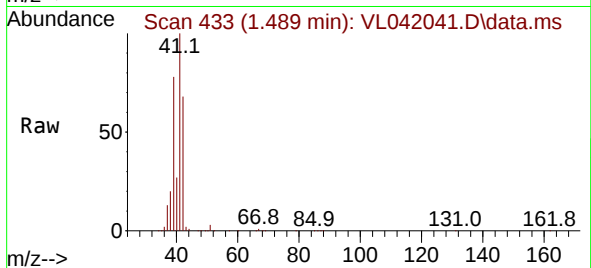
42 69.7 53.5 80.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 03/06/2025

Supervised By :Semsettin Yesilyurt 03/06/2025



#10

Heptane

Concen: 7.296 ppbv

RT: 5.007 min Scan# 1520

Delta R.T. 0.003 min

Lab File: VL042041.D

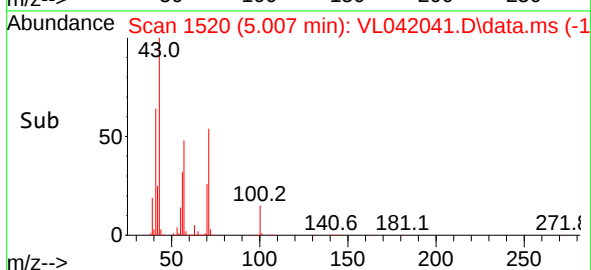
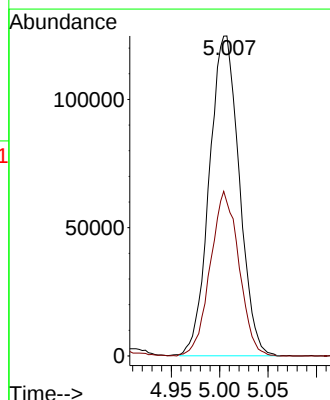
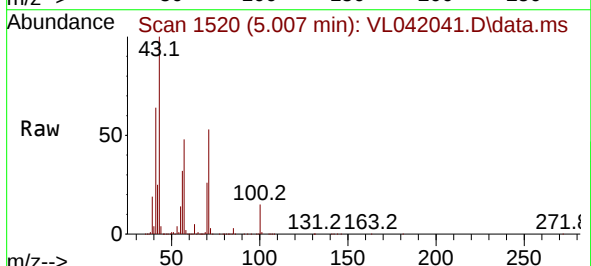
Acq: 25 Feb 2025 08:56

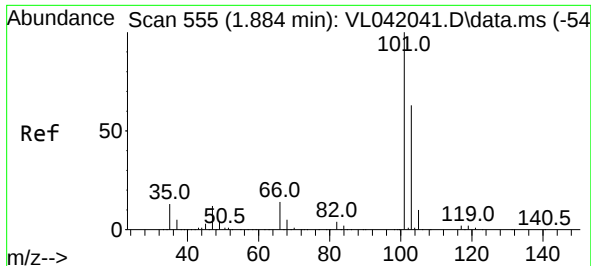
Tgt Ion: 43 Resp: 267860

Ion Ratio Lower Upper

43 100

57 49.2 41.0 61.6





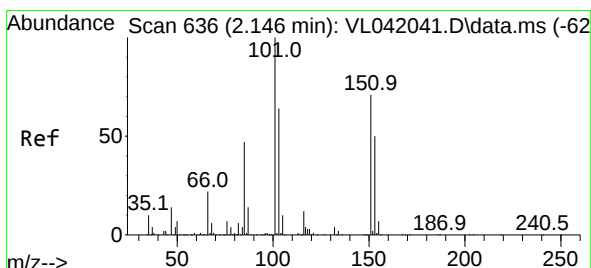
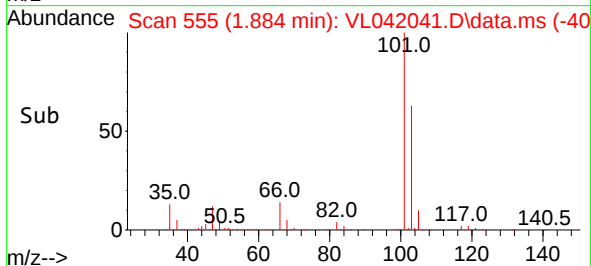
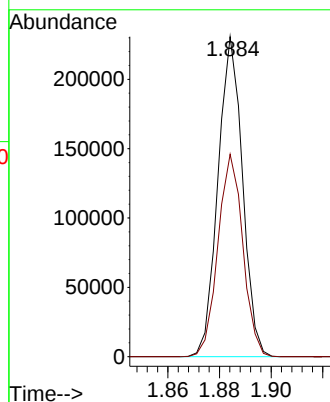
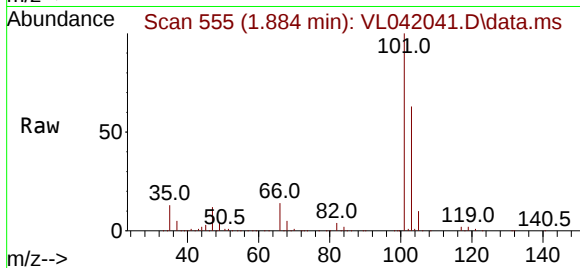
#11
Trichlorofluoromethane
Concen: 5.449 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 15211
Ion Ratio Lower Upper
101 100
103 63.2 52.9 79.3

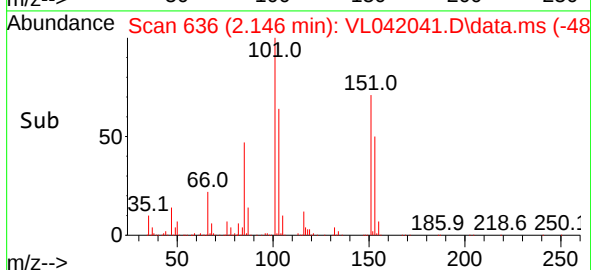
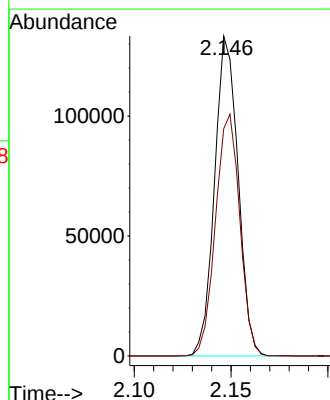
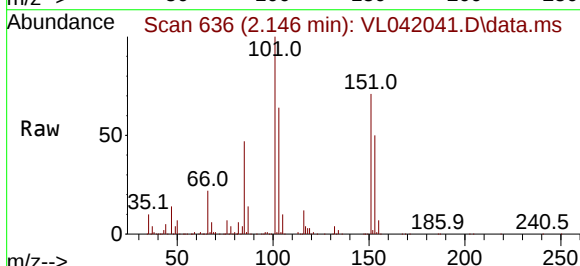
Manual Integrations
APPROVED

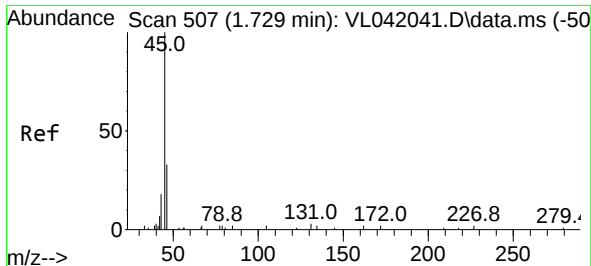
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 5.162 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

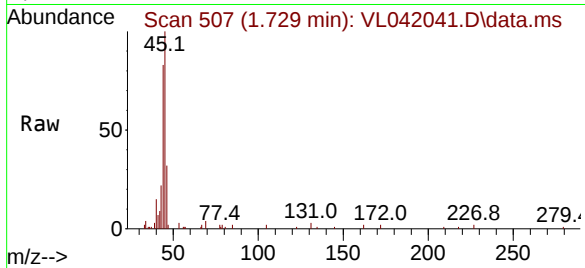
Tgt Ion:101 Resp: 112374
Ion Ratio Lower Upper
101 100
151 78.3 58.2 87.2





#13
Ethanol
Concen: 2.131 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

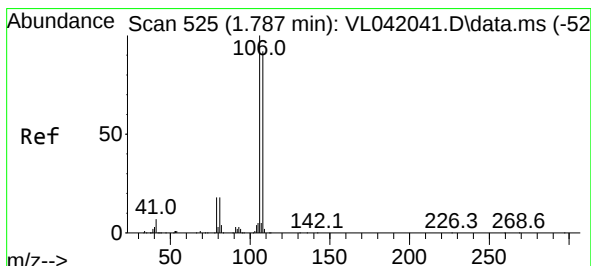
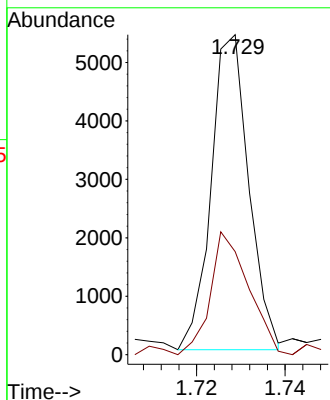
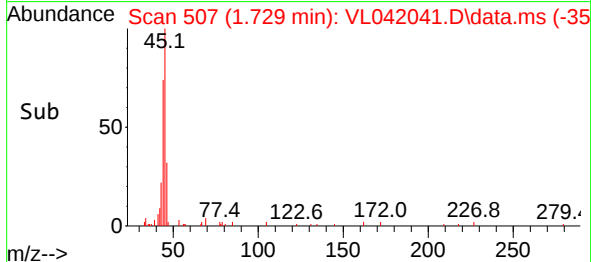
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



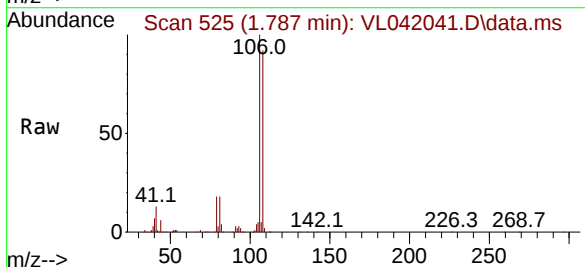
Tgt Ion: 45 Resp: 3178
Ion Ratio Lower Upper
45 100
46 42.7 21.3 85.1

Manual Integrations
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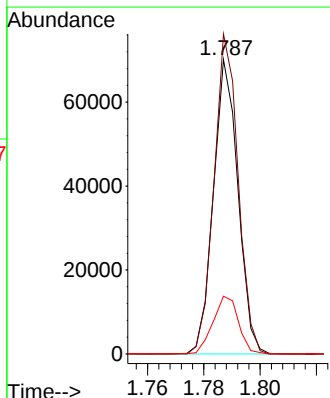
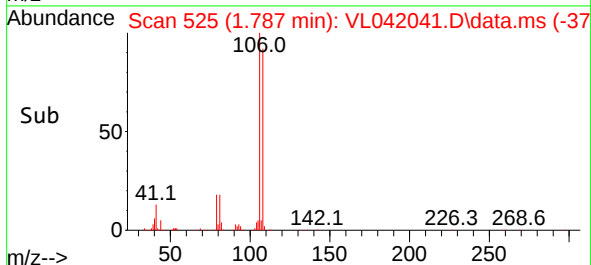
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

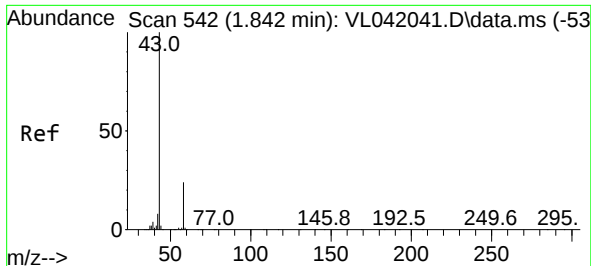


#14
Bromoethene
Concen: 5.223 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56



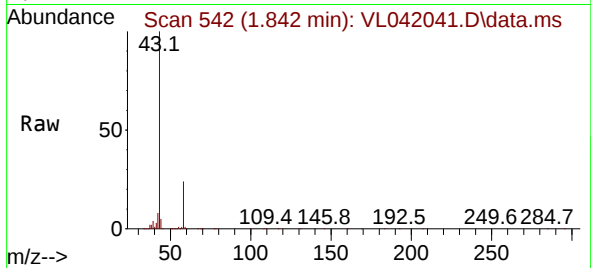
Tgt Ion:108 Resp: 42461
Ion Ratio Lower Upper
108 100
106 106.7 85.0 127.6
79 20.6 17.3 25.9





#15
Acetone
Concen: 4.327 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

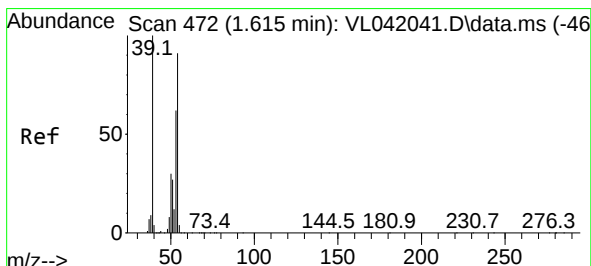
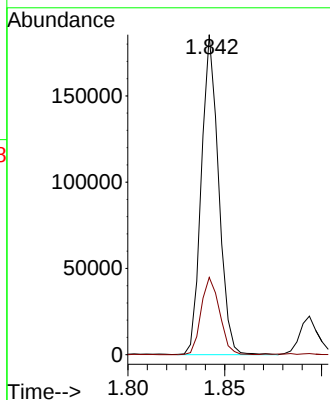
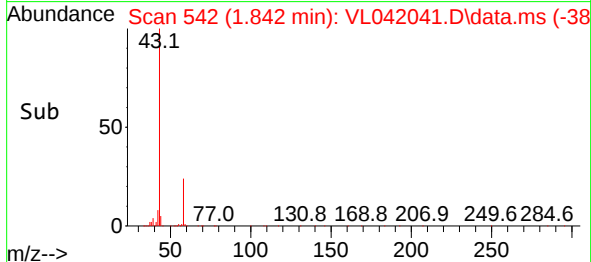
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 43 Resp: 115085
Ion Ratio Lower Upper
43 100
58 25.9 22.9 34.3

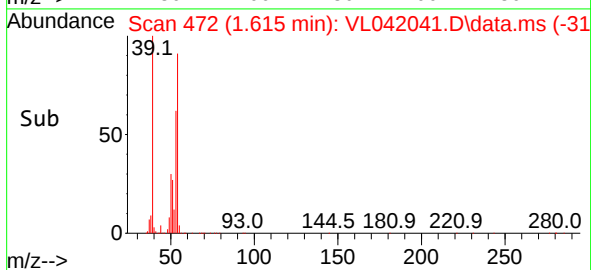
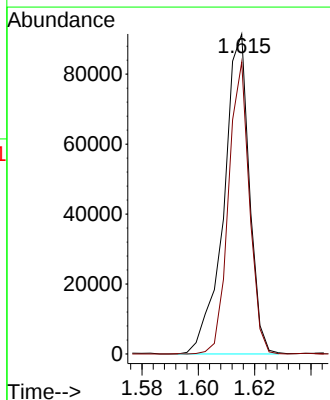
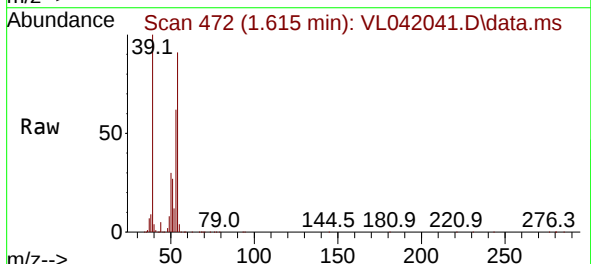
Manual Integrations
APPROVED

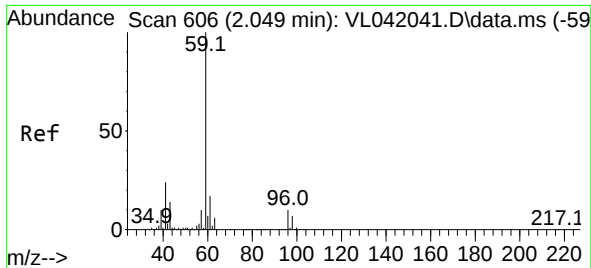
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#16
1,3-Butadiene
Concen: 4.574 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 39 Resp: 57707
Ion Ratio Lower Upper
39 100
54 74.5 59.4 89.2





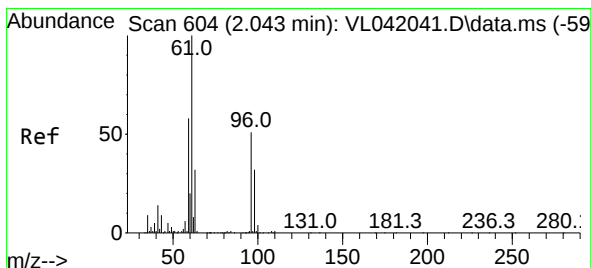
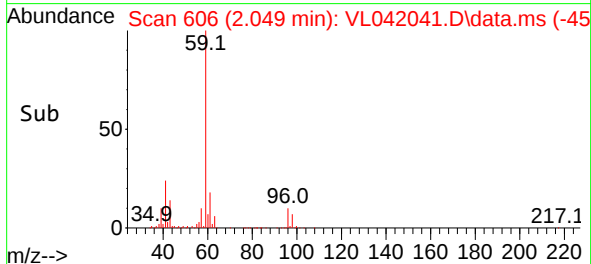
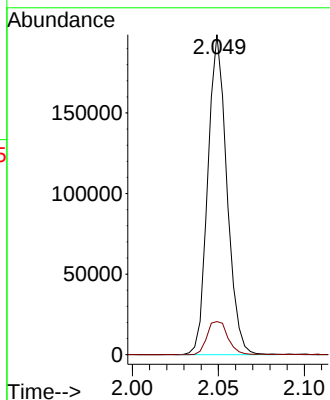
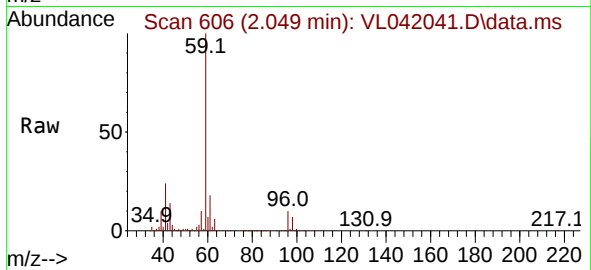
#17
tert-Butyl alcohol
Concen: 4.651 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 15307
Ion Ratio Lower Upper
59 100
57 11.6 9.2 13.8

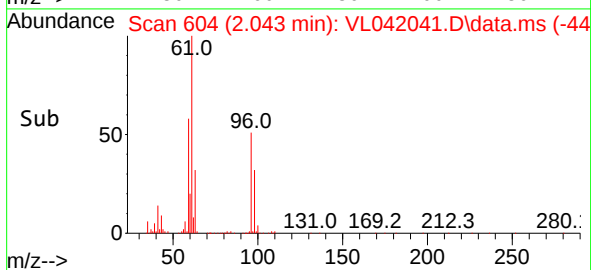
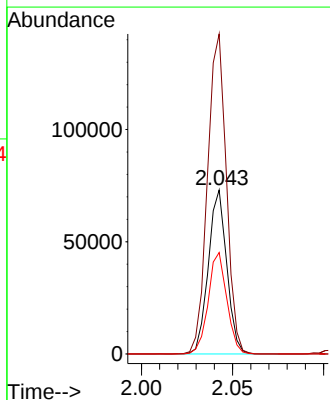
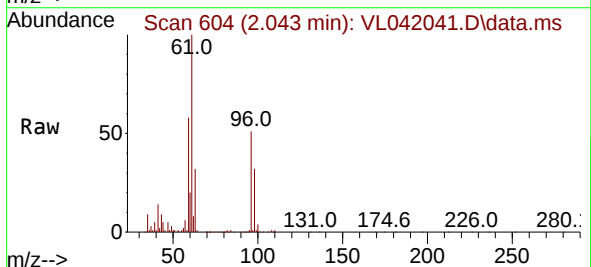
Manual Integrations
APPROVED

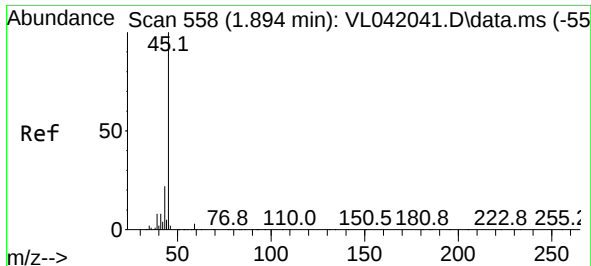
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#18
1,1-Dichloroethene
Concen: 4.954 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

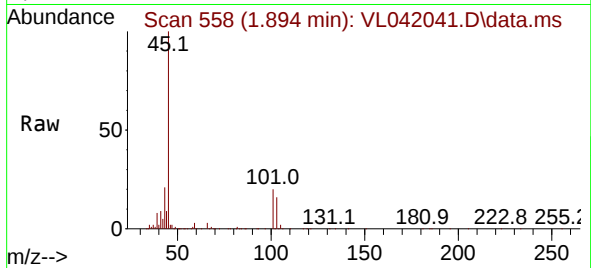
Tgt Ion: 96 Resp: 51534
Ion Ratio Lower Upper
96 100
61 195.0 163.5 245.3
98 61.8 49.4 74.0





#19
Isopropyl Alcohol
Concen: 4.522 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

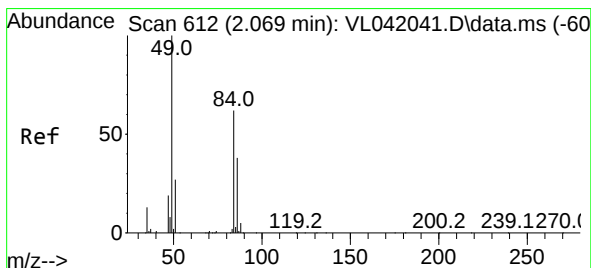
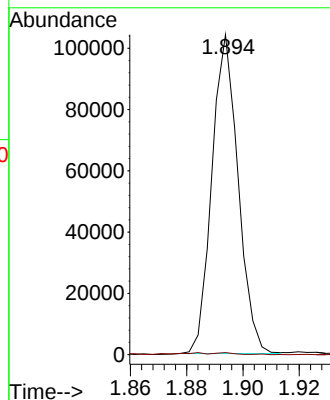
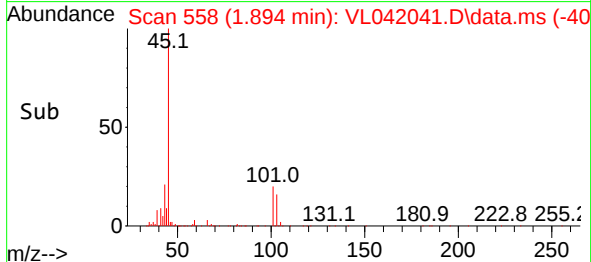
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



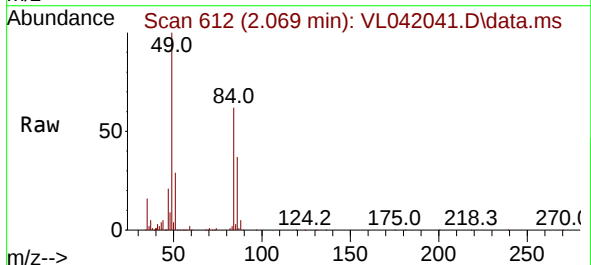
Tgt Ion: 45 Resp: 67449
Ion Ratio Lower Upper
45 100
58 44.1 36.2 54.4

Manual Integrations
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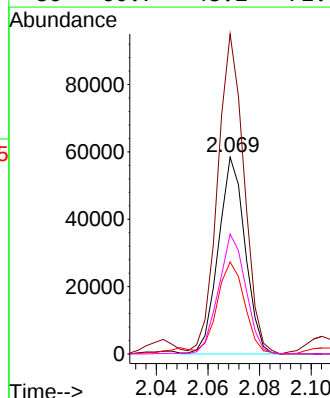
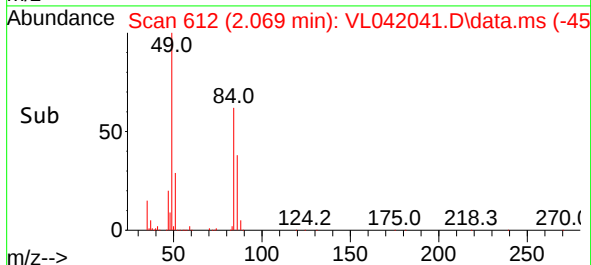
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

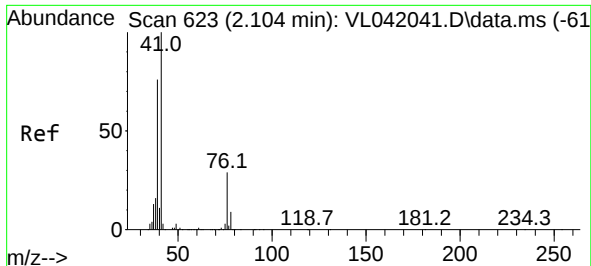


#20
Methylene Chloride
Concen: 4.195 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56



Tgt Ion: 84 Resp: 41998
Ion Ratio Lower Upper
84 100
49 162.5 121.0 181.4
51 46.7 35.1 52.7
86 60.7 48.2 72.4





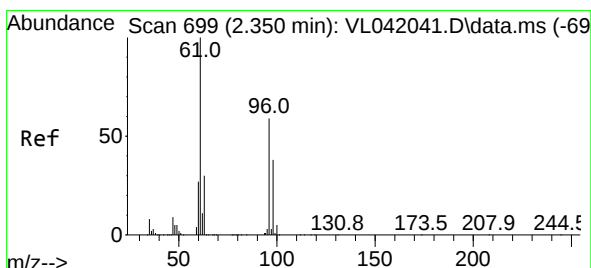
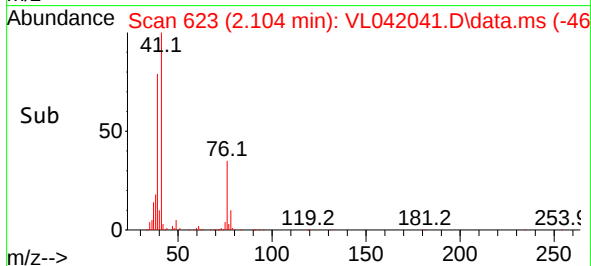
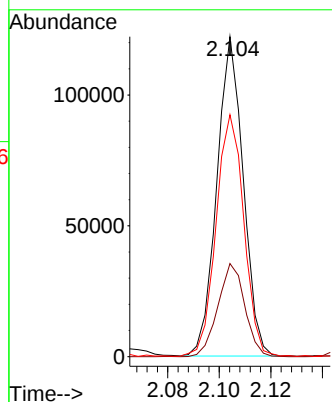
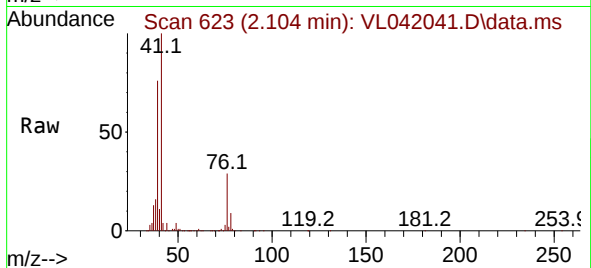
#21
 Allyl Chloride
 Concen: 4.504 ppbv
 RT: 2.104 min Scan# 612
 Delta R.T. 0.000 min
 Lab File: VL042041.D
 Acq: 25 Feb 2025 08:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 41 Resp: 86723
 Ion Ratio Lower Upper
 41 100
 76 29.7 23.7 35.5
 39 79.7 63.0 94.6

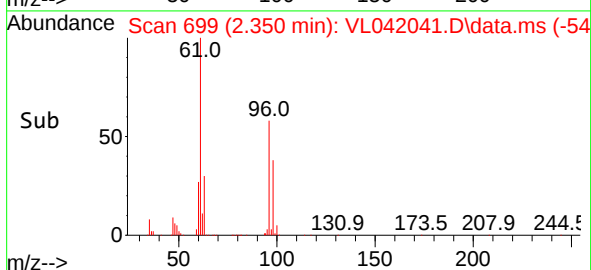
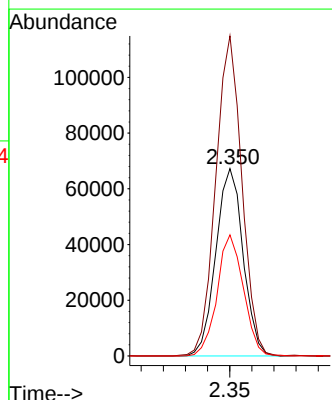
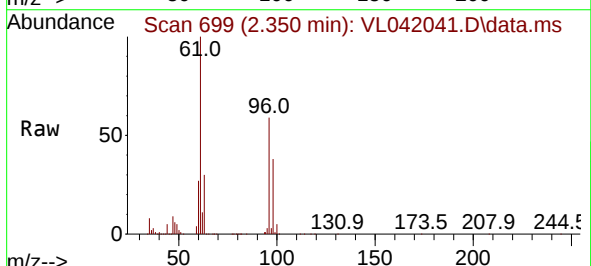
Manual Integrations
 APPROVED

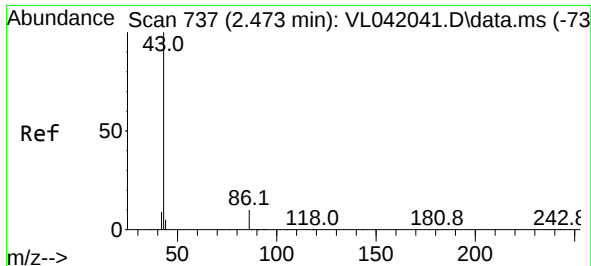
Reviewed By :Mahesh Dadoda 03/06/2025
 Supervised By :Semsettin Yesilyurt 03/06/2025



#22
 trans-1,2-Dichloroethene
 Concen: 5.104 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. 0.000 min
 Lab File: VL042041.D
 Acq: 25 Feb 2025 08:56

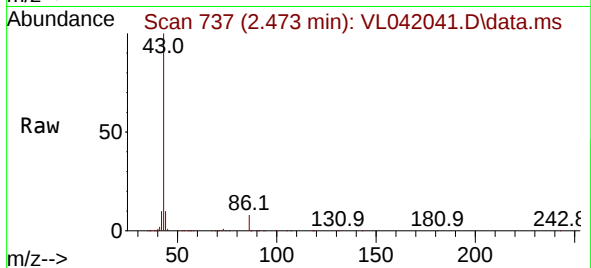
Tgt Ion: 96 Resp: 57617
 Ion Ratio Lower Upper
 96 100
 61 170.8 142.3 213.5
 98 64.7 50.2 75.2





#23
 Vinyl Acetate
 Concen: 5.823 ppbv
 RT: 2.473 min Scan# 737
 Delta R.T. 0.000 min
 Lab File: VL042041.D
 Acq: 25 Feb 2025 08:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

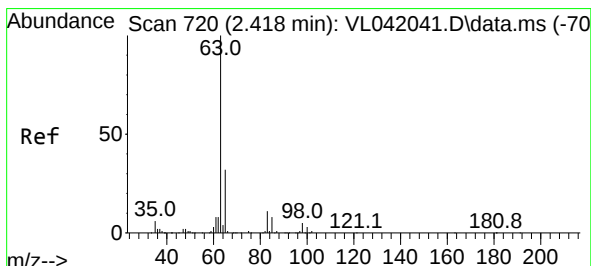
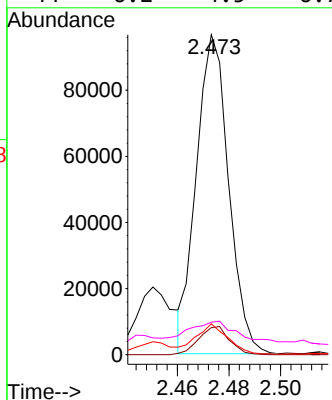
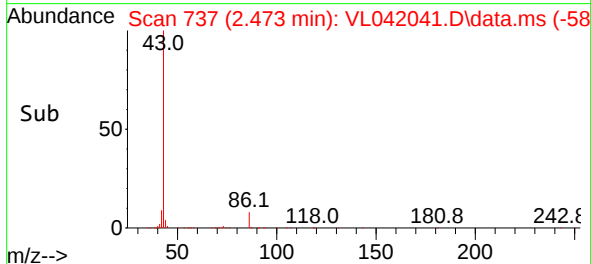


Tgt Ion: 43 Resp: 83860

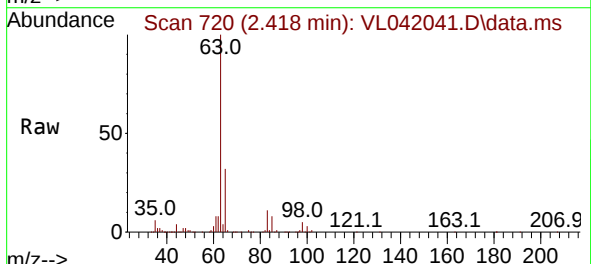
Ion	Ratio	Lower	Upper
43	100		
86	8.7	8.1	12.1
42	9.5	7.5	11.3
44	6.2	4.5	6.7

Manual Integrations
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Reviewed By :Mahesh Dadoda 03/06/2025
 Supervised By :Semsettin Yesilyurt 03/06/2025

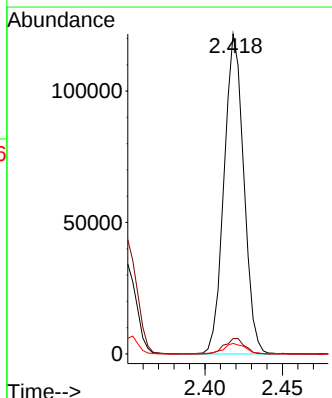
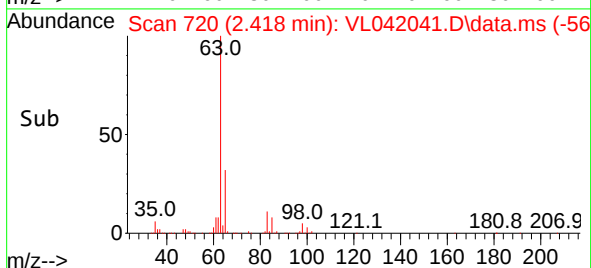


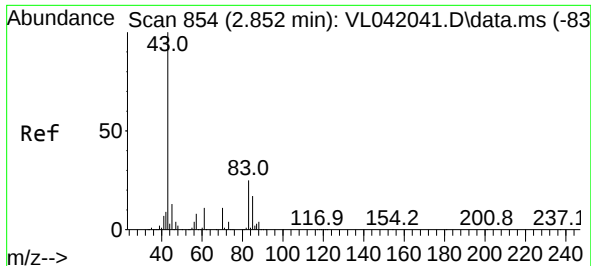
#24
 1,1-Dichloroethane
 Concen: 4.704 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.000 min
 Lab File: VL042041.D
 Acq: 25 Feb 2025 08:56



Tgt Ion: 63 Resp: 107817

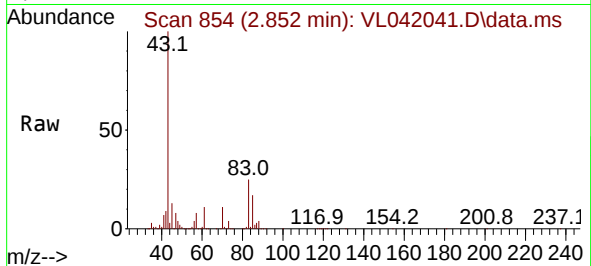
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.4	7.2
100	3.3	1.6	4.8





#25
Ethyl Acetate
Concen: 7.007 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

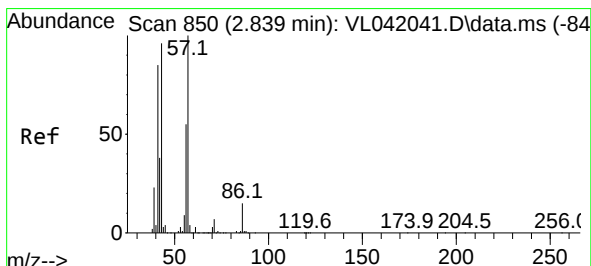
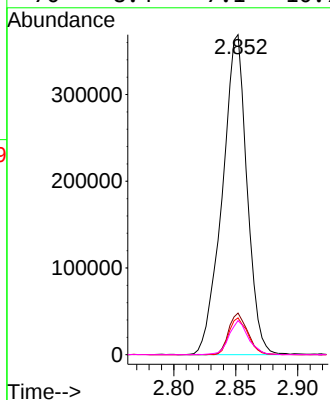
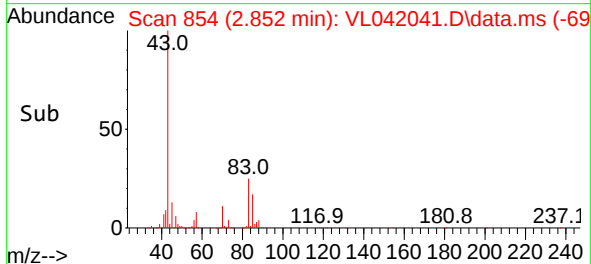
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



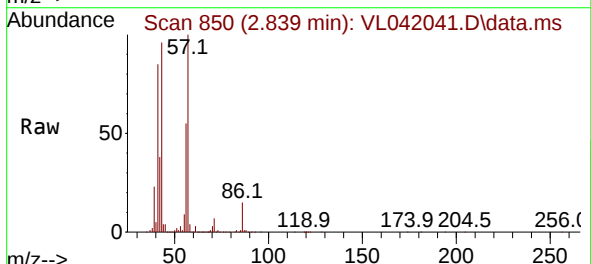
Tgt Ion: 43 Resp: 51150
Ion Ratio Lower Upper
43 100
45 10.1 8.1 12.1
61 9.0 7.5 11.3
70 8.4 7.1 10.7

Manual Integrations
APPROVED

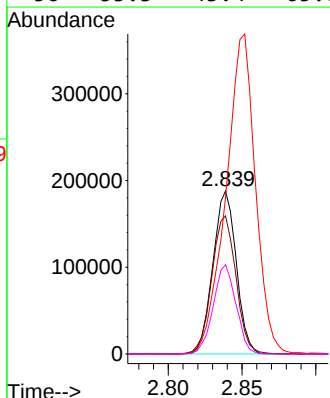
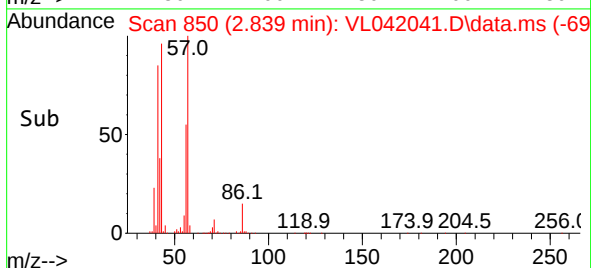
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#26
Hexane
Concen: 7.052 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56



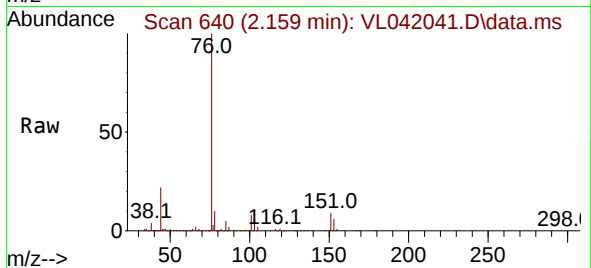
Tgt Ion: 57 Resp: 206577
Ion Ratio Lower Upper
57 100
41 88.3 73.2 109.8
43 249.2 200.8 301.2
56 53.3 43.4 65.0





#27
Carbon Disulfide
Concen: 5.008 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

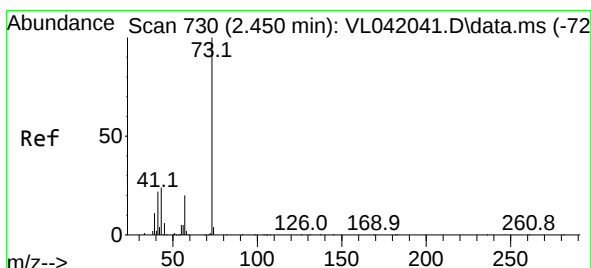
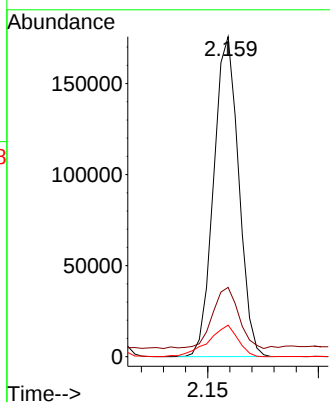
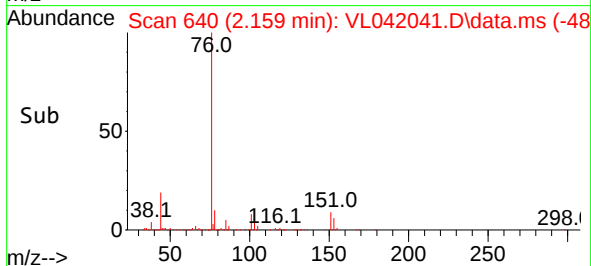
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 76 Resp: 137978
Ion Ratio Lower Upper
76 100
44 20.2 18.1 27.1
78 11.7 9.5 14.3

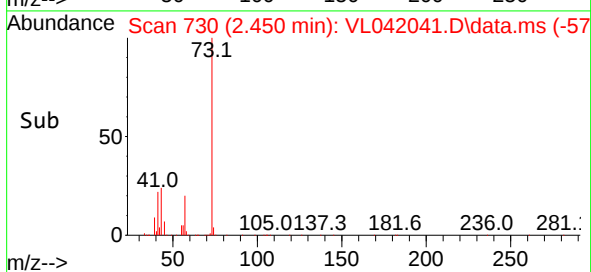
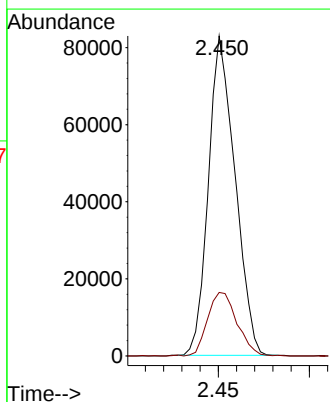
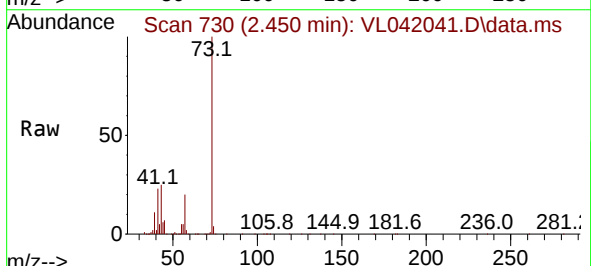
Manual Integrations
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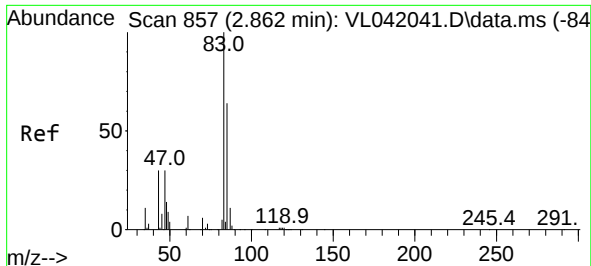
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#28
Methyl tert-Butyl Ether
Concen: 4.696 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 73 Resp: 84091
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5





#29

Chloroform

Concen: 6.538 ppbv

RT: 2.862 min Scan# 857

Delta R.T. 0.000 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 27741

Ion Ratio Lower Upper

83 100

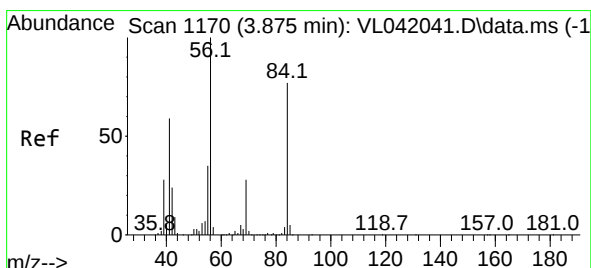
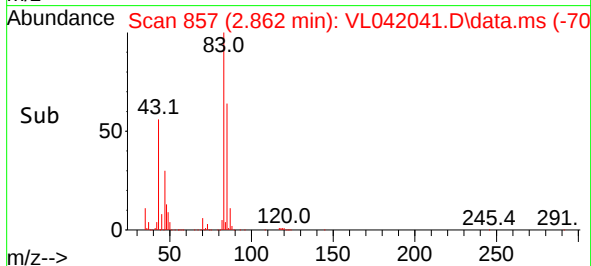
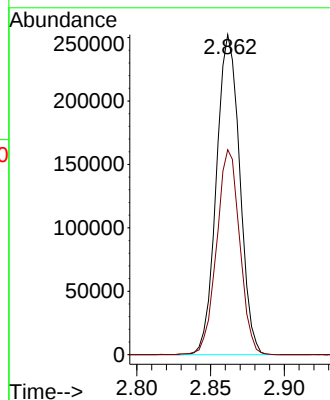
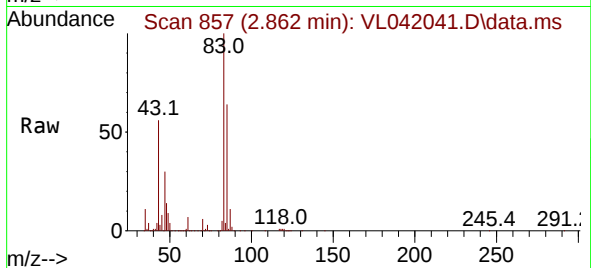
85 64.0 53.8 80.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025

Supervised By :Semsettin Yesilyurt 03/06/2025



#30

Cyclohexane

Concen: 7.295 ppbv

RT: 3.875 min Scan# 1170

Delta R.T. 0.000 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

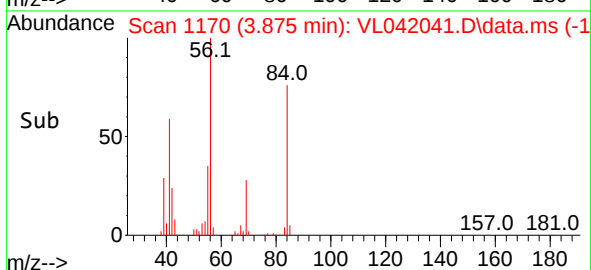
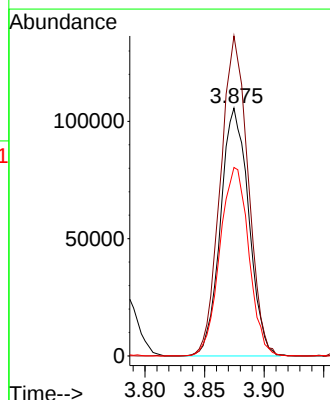
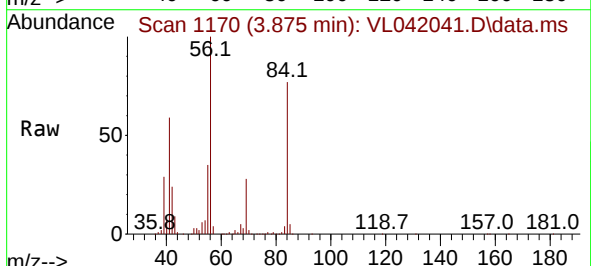
Tgt Ion: 84 Resp: 173351

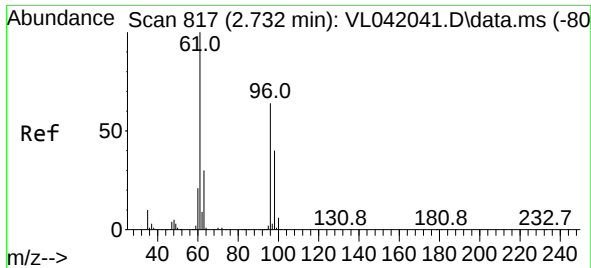
Ion Ratio Lower Upper

84 100

56 126.9 99.5 149.3

41 78.2 62.2 93.2





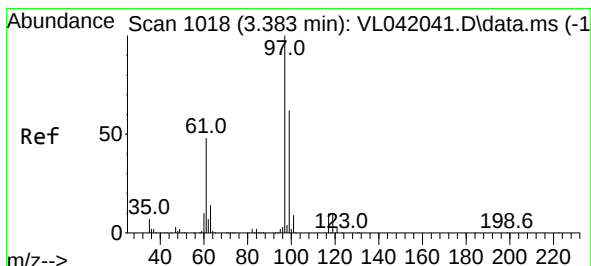
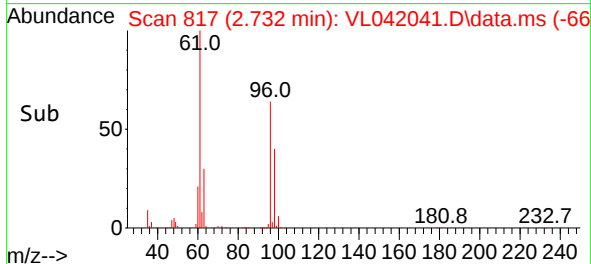
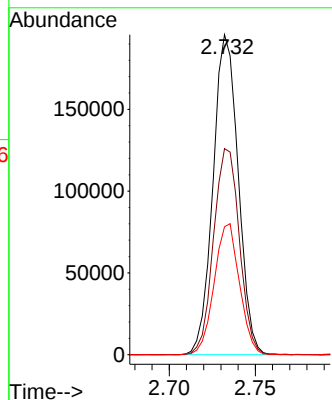
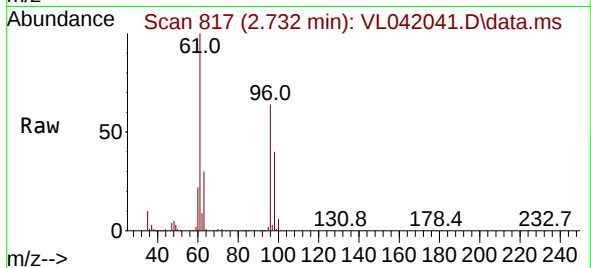
#31
 cis-1,2-Dichloroethene
 Concen: 6.886 ppbv
 RT: 2.732 min Scan# 817
 Delta R.T. 0.000 min
 Lab File: VL042041.D
 Acq: 25 Feb 2025 08:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 61 Resp: 199354
 Ion Ratio Lower Upper
 61 100
 96 64.4 51.6 77.4
 98 40.0 34.8 52.2

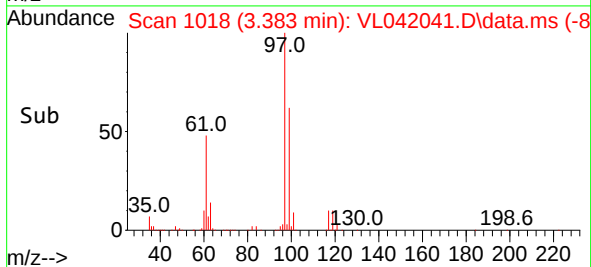
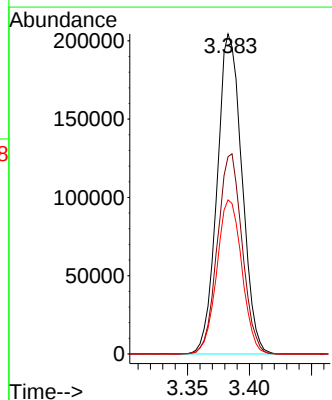
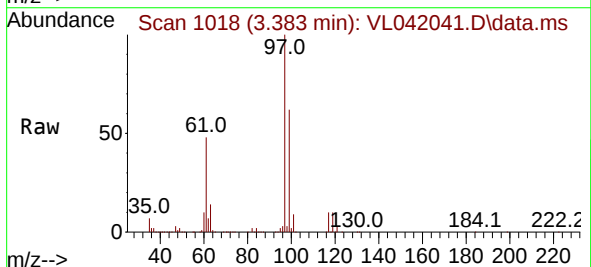
Manual Integrations
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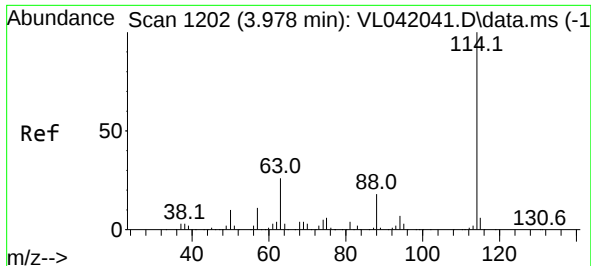
Reviewed By :Mahesh Dadoda 03/06/2025
 Supervised By :Semsettin Yesilyurt 03/06/2025



#32
 1,1,1-Trichloroethane
 Concen: 6.064 ppbv
 RT: 3.383 min Scan# 1018
 Delta R.T. 0.000 min
 Lab File: VL042041.D
 Acq: 25 Feb 2025 08:56

Tgt Ion: 97 Resp: 285335
 Ion Ratio Lower Upper
 97 100
 99 62.2 51.0 76.4
 61 48.6 37.9 56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:114 Resp: 42265

Ion Ratio Lower Upper

114 100

63 25.1 20.2 30.2

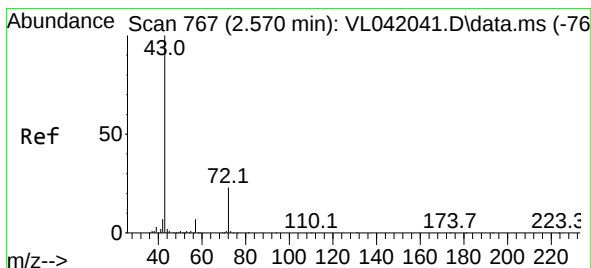
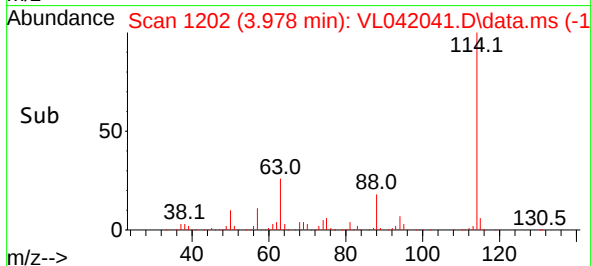
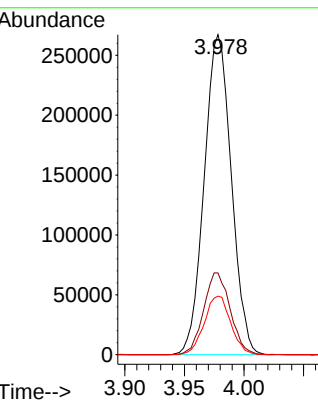
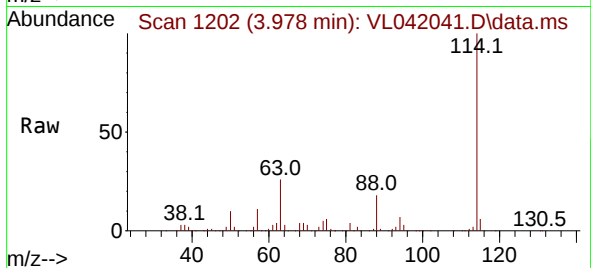
88 17.9 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025

Supervised By :Semsettin Yesilyurt 03/06/2025



#34

2-Butanone

Concen: 8.043 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.000 min

Lab File: VL042041.D

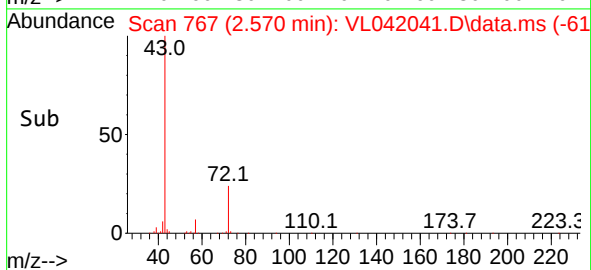
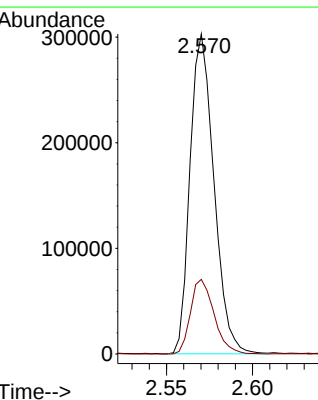
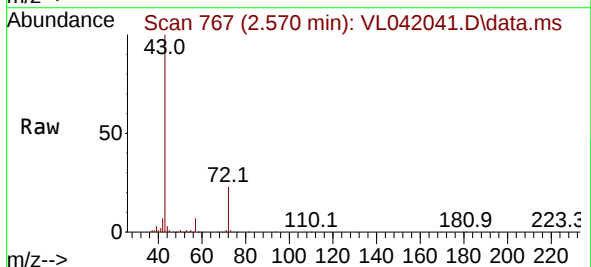
Acq: 25 Feb 2025 08:56

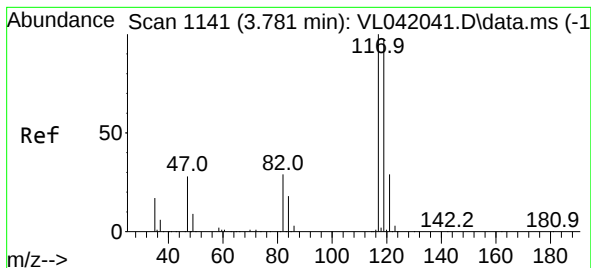
Tgt Ion: 43 Resp: 292449

Ion Ratio Lower Upper

43 100

72 23.1 18.3 27.5





#35

Carbon Tetrachloride

Concen: 6.741 ppbv

RT: 3.781 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

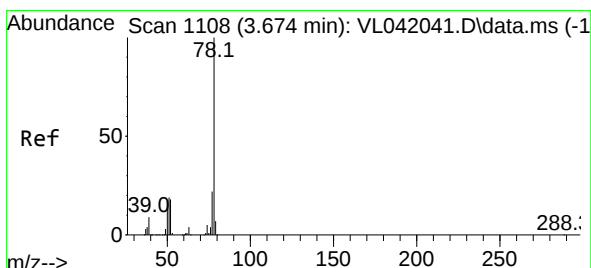
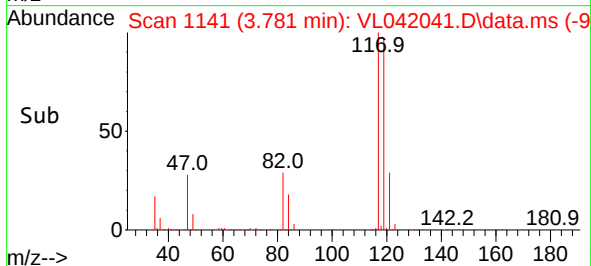
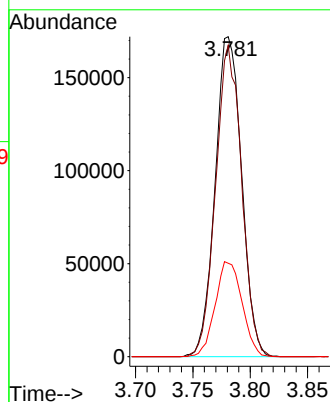
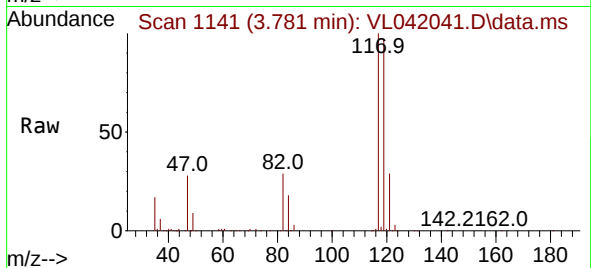
Tgt Ion: 117 Resp: 27667

Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.8	113.6
121	29.2	24.6	36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#36

Benzene

Concen: 7.999 ppbv

RT: 3.674 min Scan# 1108

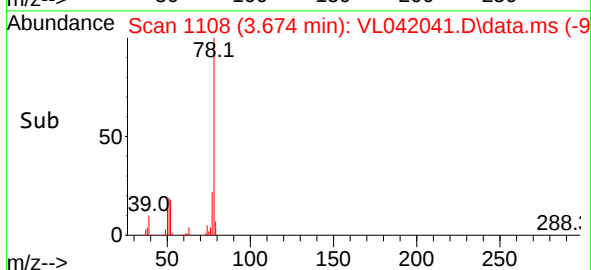
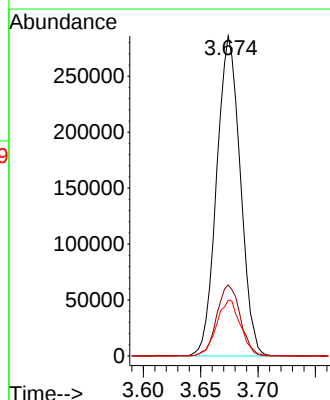
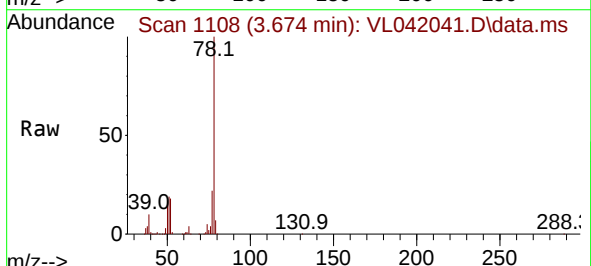
Delta R.T. 0.000 min

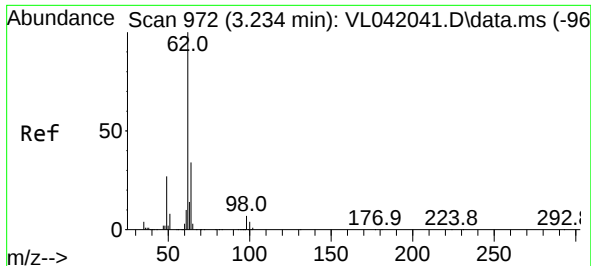
Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Tgt Ion: 78 Resp: 409501

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.0	27.0
50	17.4	15.2	22.8





#37

1,2-Dichloroethane

Concen: 7.543 ppbv

RT: 3.234 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 62 Resp: 219829

Ion Ratio Lower Upper

62 100

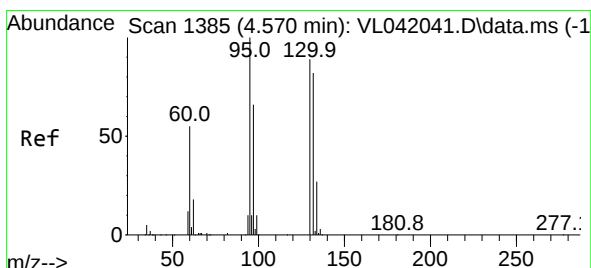
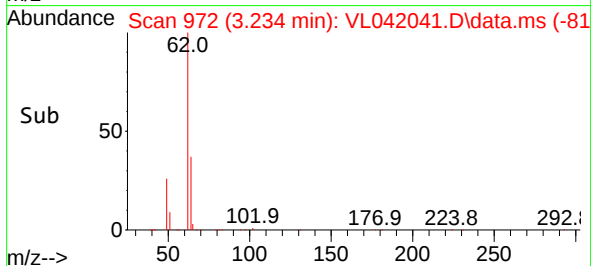
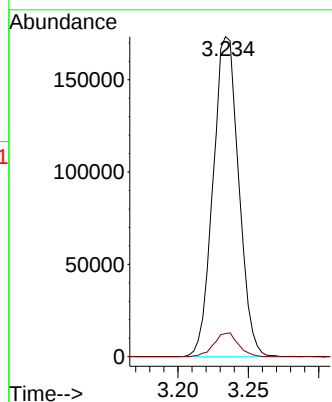
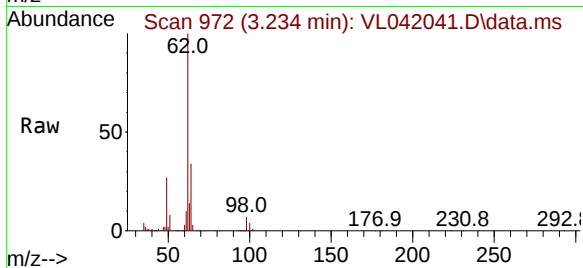
98 7.1 5.7 8.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025

Supervised By :Semsettin Yesilyurt 03/06/2025



#38

Trichloroethene

Concen: 7.689 ppbv

RT: 4.570 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Tgt Ion:130 Resp: 159933

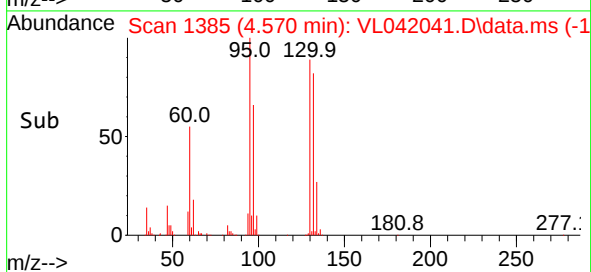
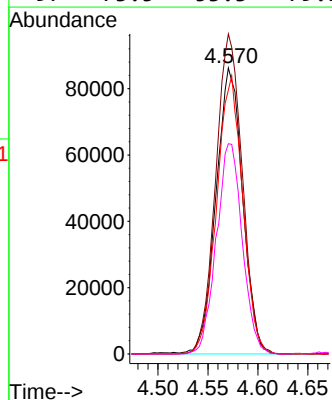
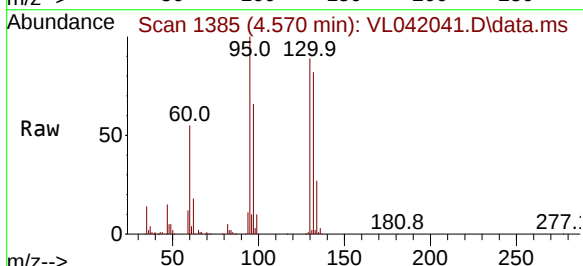
Ion Ratio Lower Upper

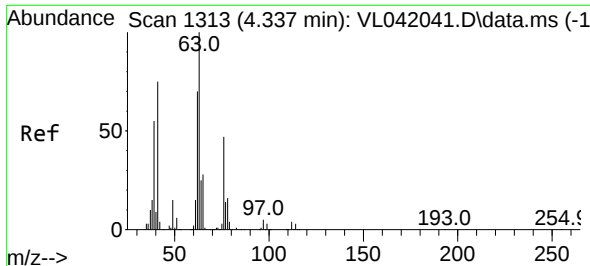
130 100

95 111.9 82.8 124.2

132 92.2 70.0 105.0

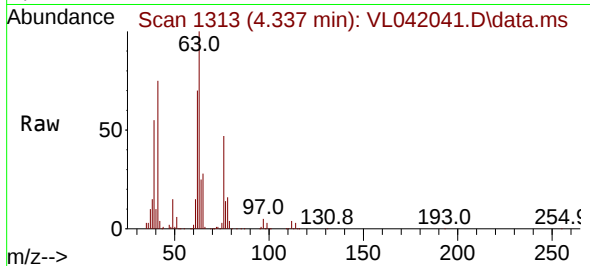
97 73.5 53.3 79.9





#39
1,2-Dichloropropane
Concen: 8.047 ppbv
RT: 4.337 min Scan# 1313
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

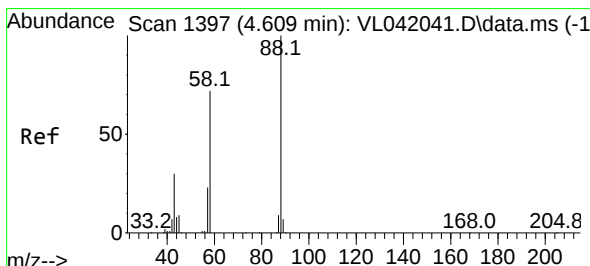
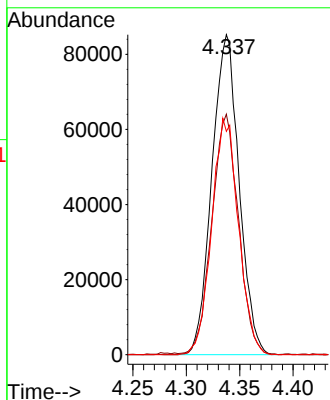
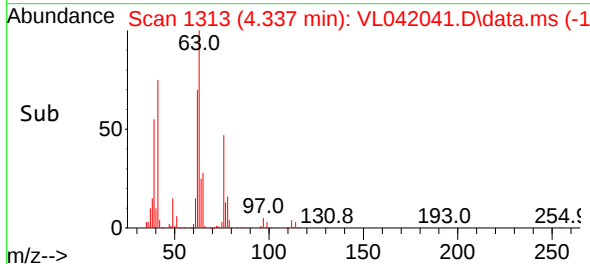
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



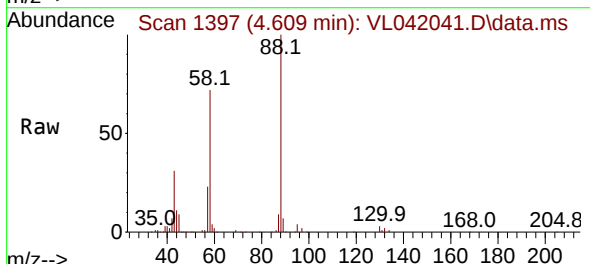
Tgt Ion: 63 Resp: 151036
Ion Ratio Lower Upper
63 100
41 75.1 60.1 90.1
62 69.8 54.0 81.0

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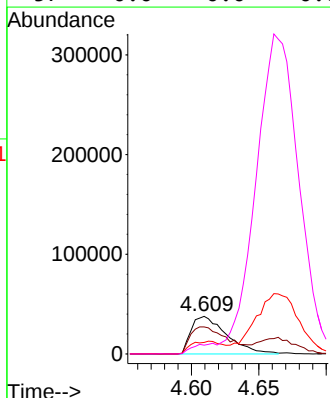
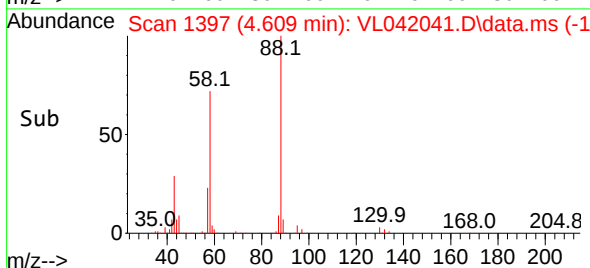
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

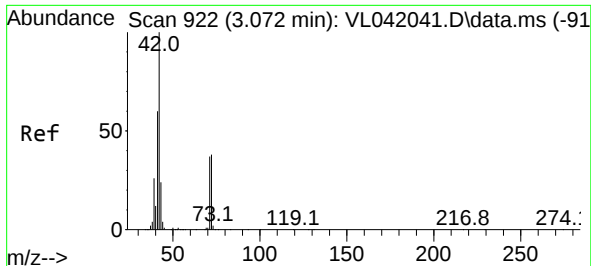


#40
1,4-Dioxane
Concen: 7.105 ppbv
RT: 4.609 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56



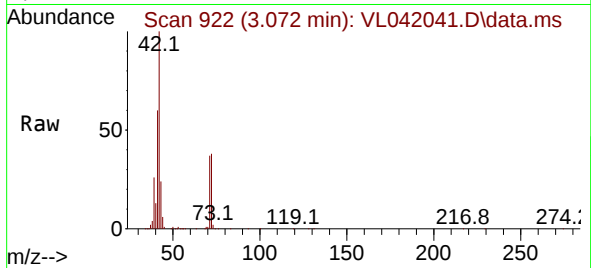
Tgt Ion: 88 Resp: 69399
Ion Ratio Lower Upper
88 100
58 78.3 58.1 87.1
43 0.0 27.3 40.9#
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 8.509 ppbv
RT: 3.072 min Scan# 91
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

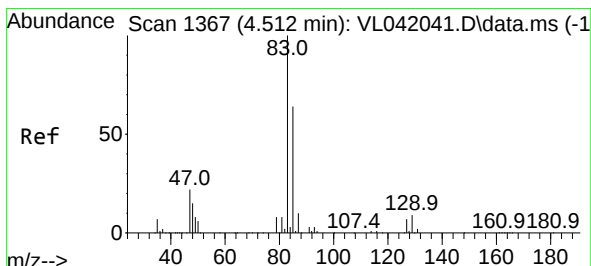
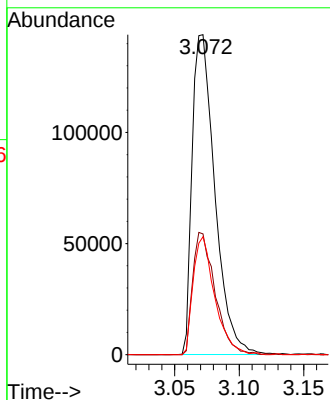
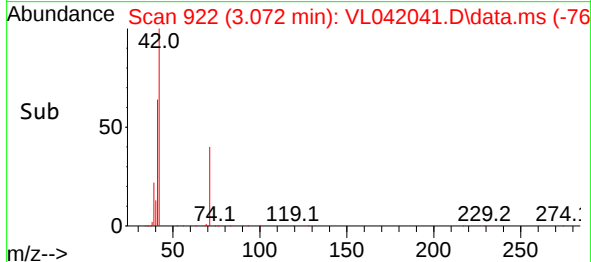
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 42 Resp: 176830
Ion Ratio Lower Upper
42 100
72 37.7 32.3 48.5
71 35.3 30.9 46.3

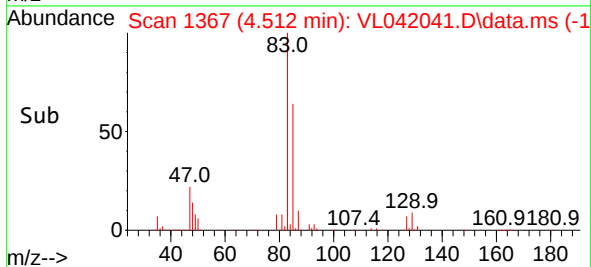
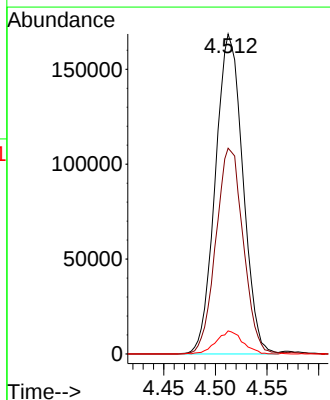
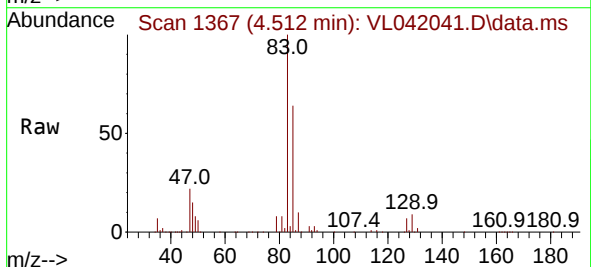
Manual Integrations
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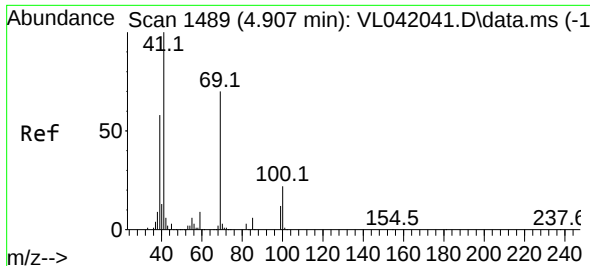
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#42
Bromodichloromethane
Concen: 7.908 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

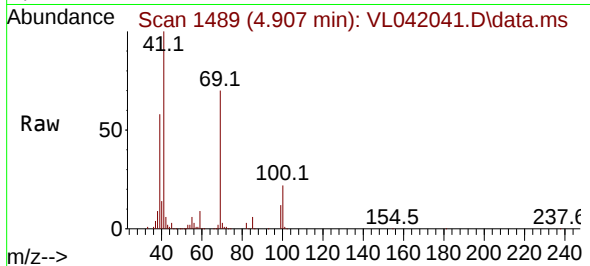
Tgt Ion: 83 Resp: 312250
Ion Ratio Lower Upper
83 100
85 64.3 53.3 79.9
127 7.2 6.0 9.0





#43
Methyl Methacrylate
Concen: 7.091 ppbv
RT: 4.907 min Scan# 1489
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

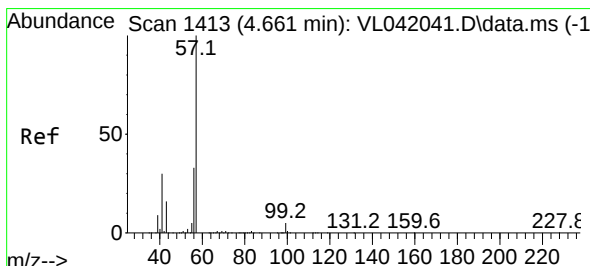
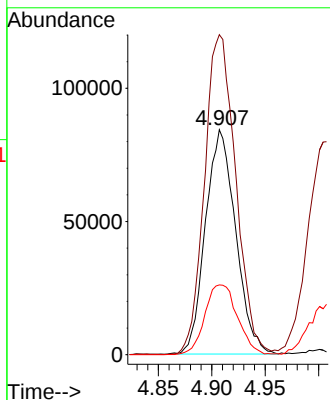
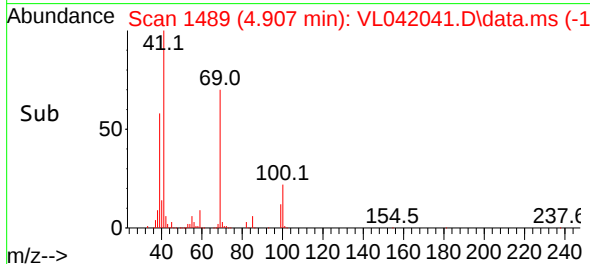
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



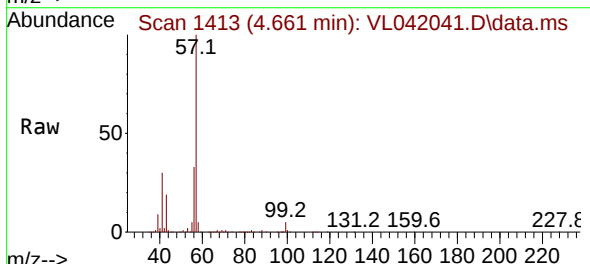
Tgt Ion: 69 Resp: 165494
Ion Ratio Lower Upper
69 100
41 147.8 114.9 172.3
100 33.7 28.8 43.2

Manual Integrations
APPROVED

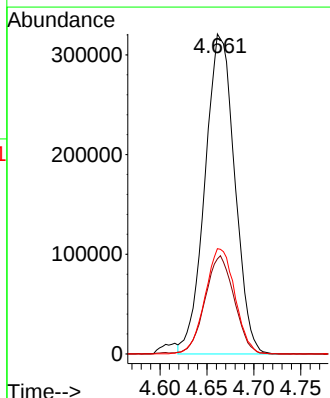
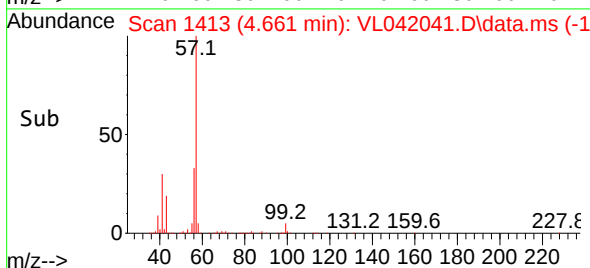
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

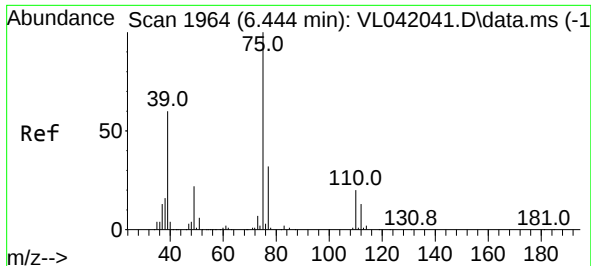


#44
2,2,4-Trimethylpentane
Concen: 8.122 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. -0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56



Tgt Ion: 57 Resp: 705920
Ion Ratio Lower Upper
57 100
41 30.5 25.9 38.9
56 33.1 24.9 37.3





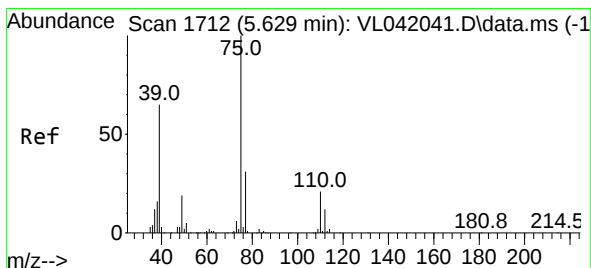
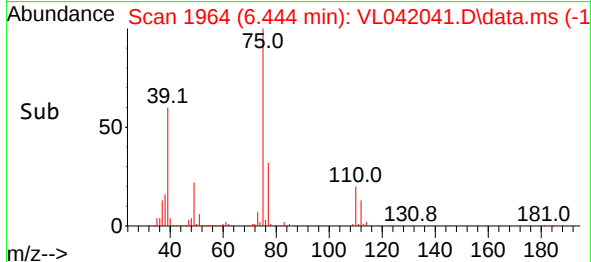
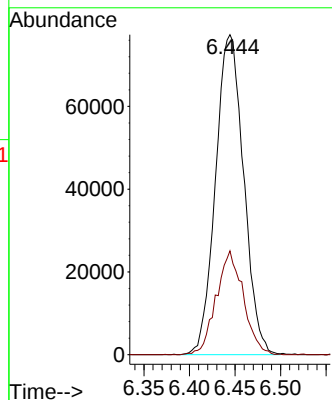
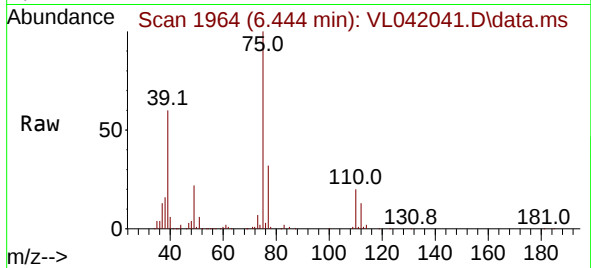
#45
t-1,3-Dichloropropene
Concen: 7.544 ppbv
RT: 6.444 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 166207
Ion Ratio Lower Upper
75 100
77 32.4 22.1 33.1

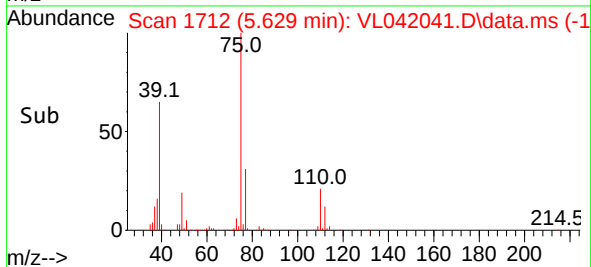
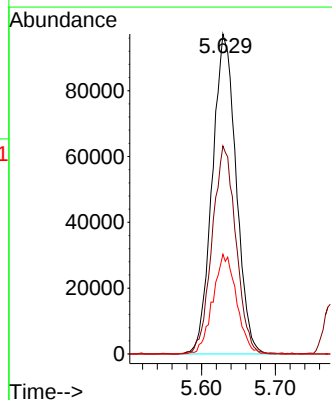
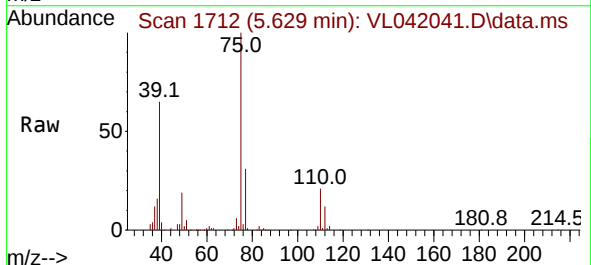
Manual Integrations
APPROVED

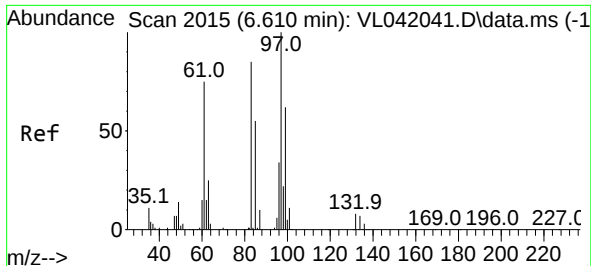
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#46
cis-1,3-Dichloropropene
Concen: 7.809 ppbv
RT: 5.629 min Scan# 1712
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

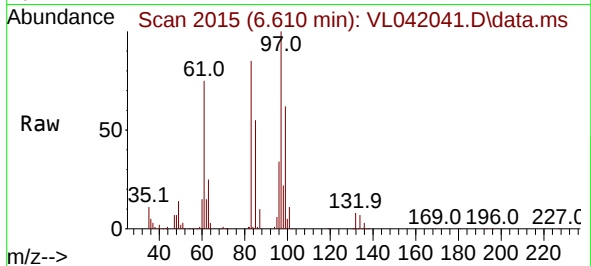
Tgt Ion: 75 Resp: 218294
Ion Ratio Lower Upper
75 100
39 64.9 52.2 78.4
77 31.1 24.5 36.7





#47
1,1,2-Trichloroethane
Concen: 7.723 ppbv
RT: 6.610 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

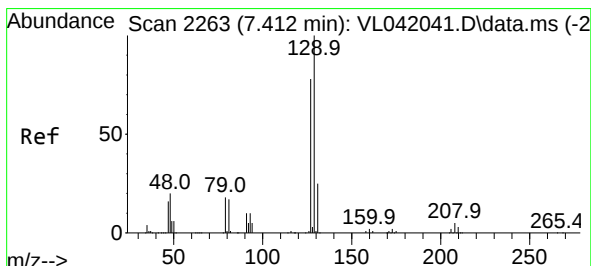
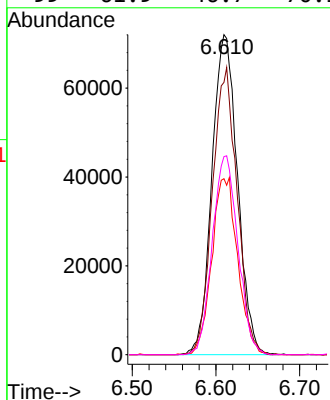
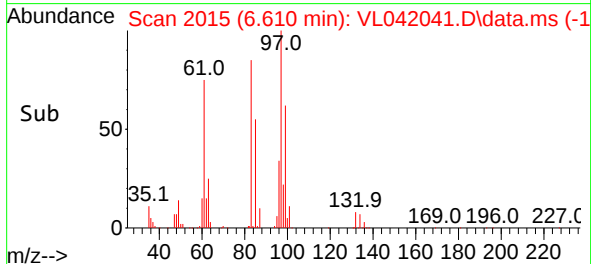
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



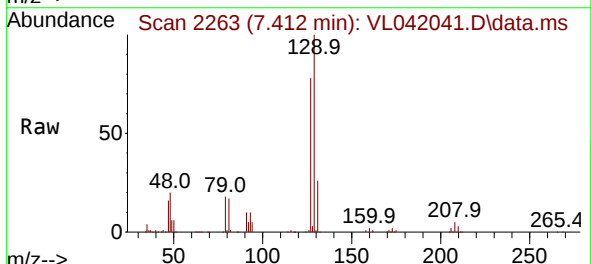
Tgt Ion: 97 Resp: 152550
Ion Ratio Lower Upper
97 100
83 85.1 68.6 102.8
85 55.0 42.2 63.4
99 61.9 46.7 70.1

Manual Integrations
APPROVED

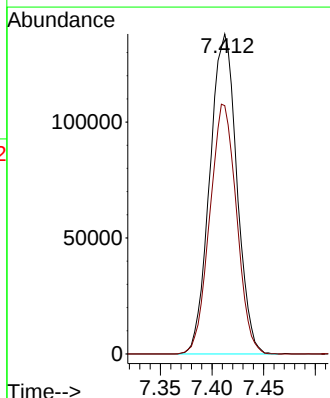
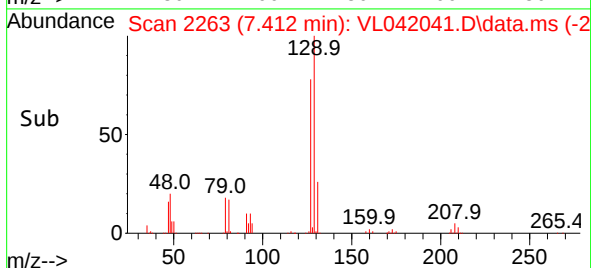
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

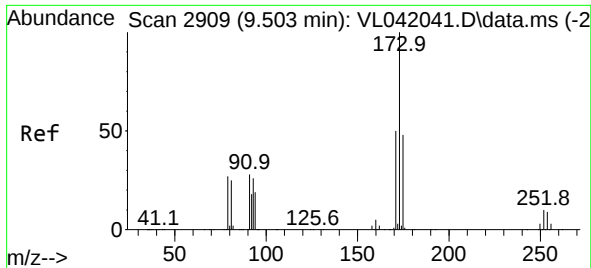


#48
Dibromochloromethane
Concen: 7.593 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56



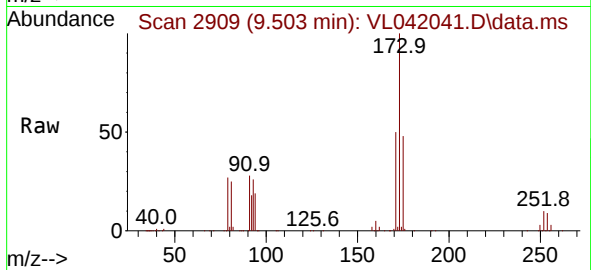
Tgt Ion:129 Resp: 251213
Ion Ratio Lower Upper
129 100
127 77.2 38.2 114.6





#49
Bromoform
Concen: 8.183 ppbv
RT: 9.503 min Scan# 2909
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

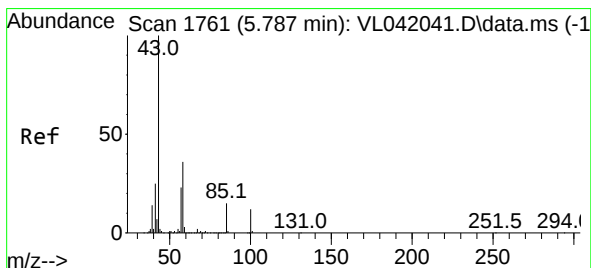
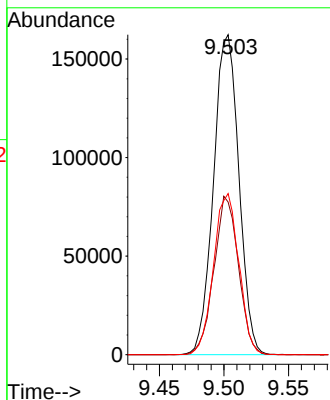
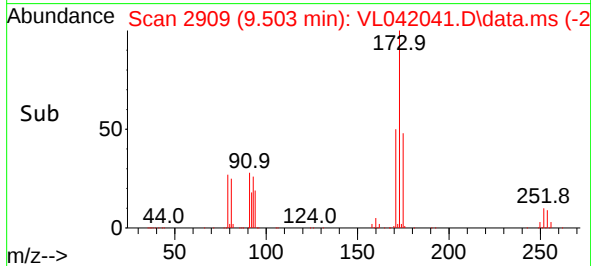
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



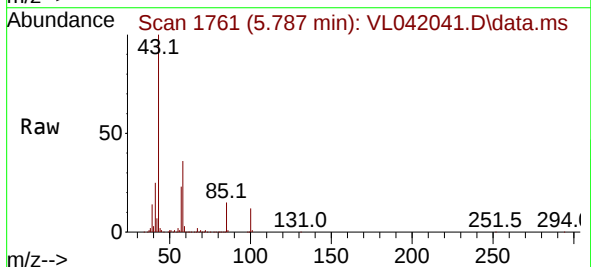
Tgt Ion: 173 Resp: 22205
Ion Ratio Lower Upper
173 100
175 47.9 39.3 58.9
171 50.2 41.4 62.2

Manual Integrations
APPROVED

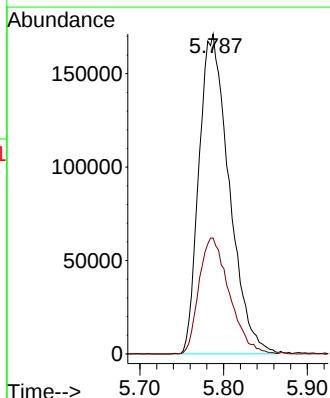
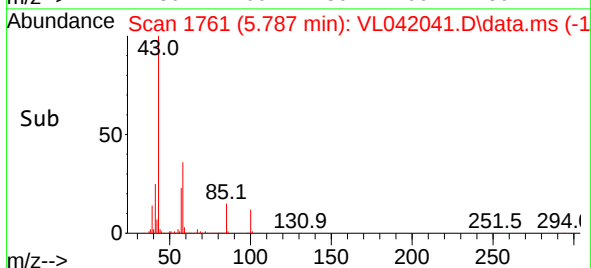
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

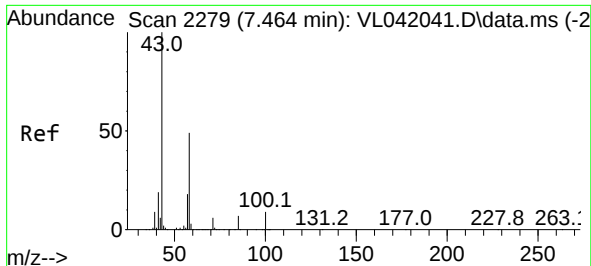


#50
4-Methyl-2-Pentanone
Concen: 7.666 ppbv
RT: 5.787 min Scan# 1761
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56



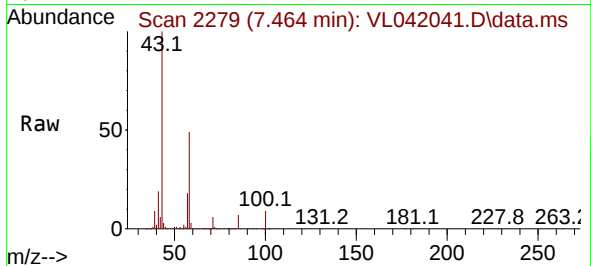
Tgt Ion: 43 Resp: 428434
Ion Ratio Lower Upper
43 100
58 36.6 29.4 44.0





#51
2-Hexanone
Concen: 7.709 ppbv
RT: 7.464 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

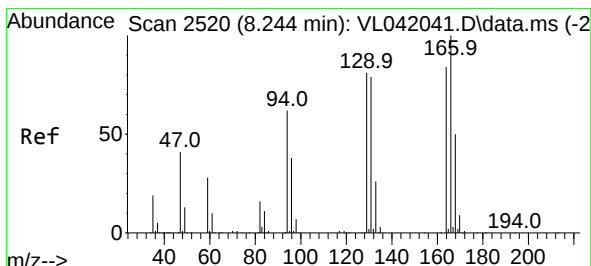
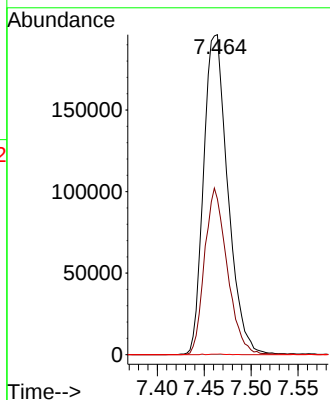
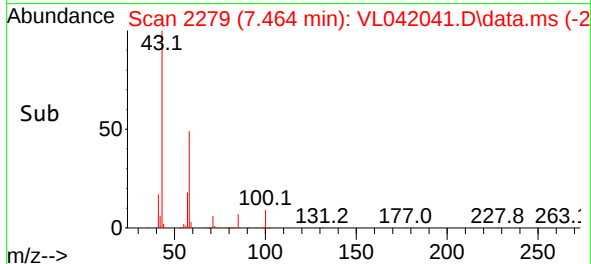
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 43 Resp: 35233
Ion Ratio Lower Upper
43 100
58 48.8 41.4 62.0
98 0.1 0.0 0.0

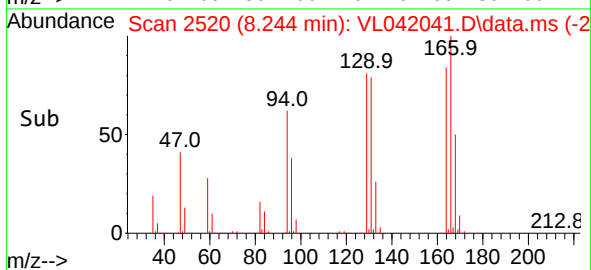
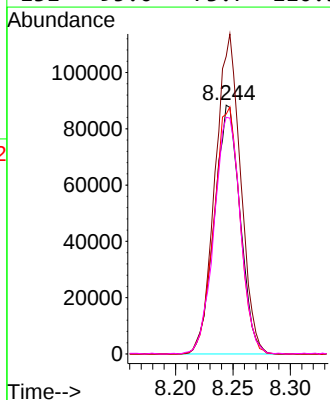
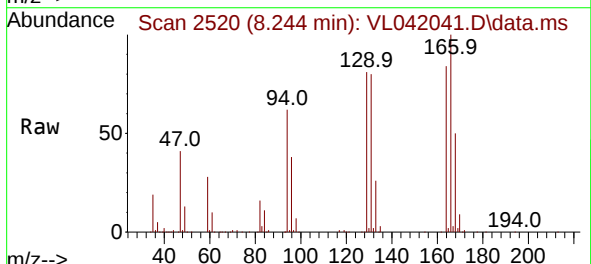
Manual Integrations
APPROVED

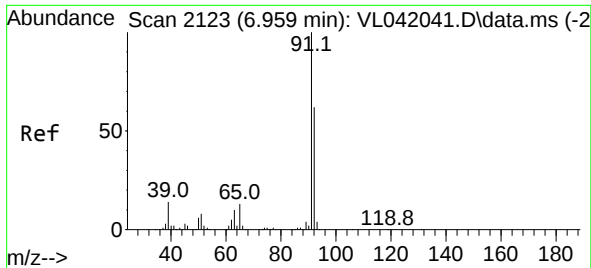
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#52
Tetrachloroethene
Concen: 7.743 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:164 Resp: 138263
Ion Ratio Lower Upper
164 100
166 119.6 102.2 153.2
129 96.4 82.2 123.4
131 95.0 73.7 110.5





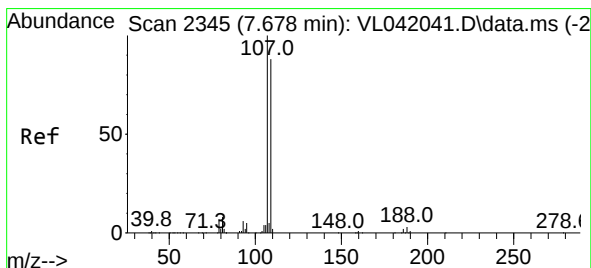
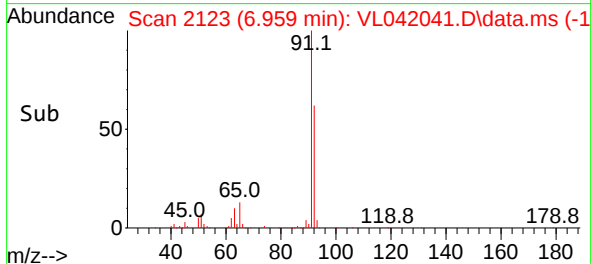
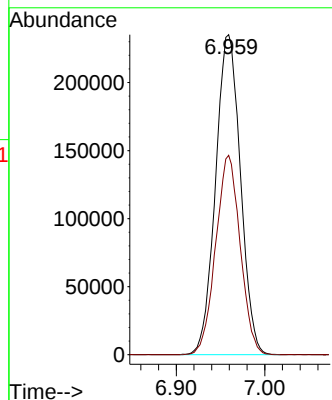
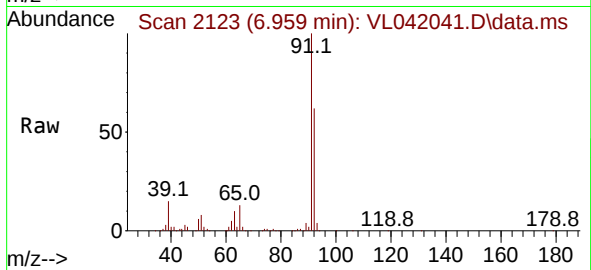
#53
Toluene
Concen: 7.541 ppbv
RT: 6.959 min Scan# 2123
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 46004
Ion Ratio Lower Upper
91 100
92 61.3 47.5 71.3

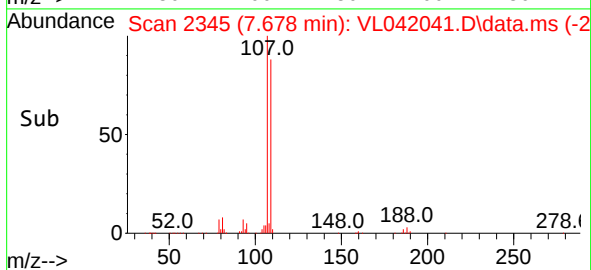
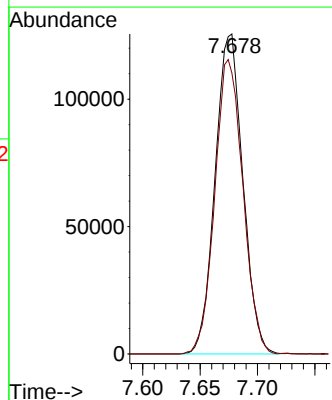
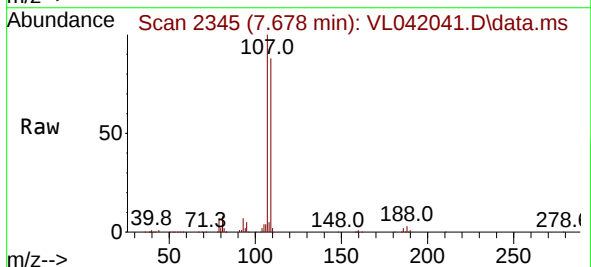
Manual Integrations
APPROVED

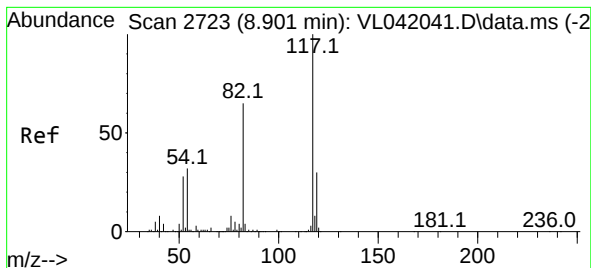
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#54
1,2-Dibromoethane
Concen: 7.772 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:107 Resp: 211395
Ion Ratio Lower Upper
107 100
109 87.8 71.5 107.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.901 min Scan# 2723

Delta R.T. 0.004 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:117 Resp: 374249

Ion Ratio Lower Upper

117 100

82 68.8 55.7 83.5

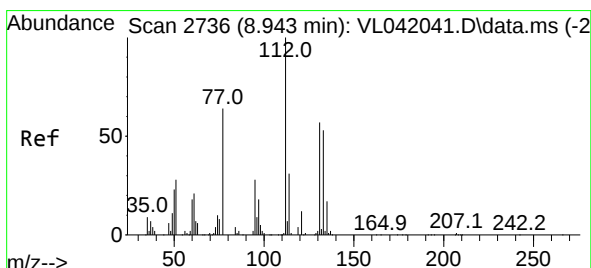
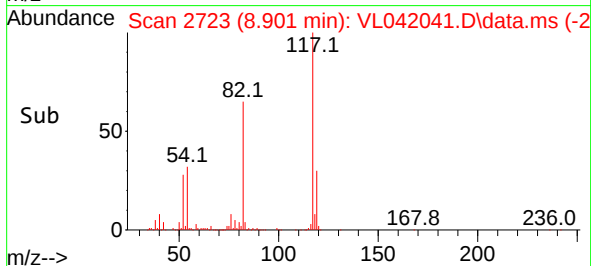
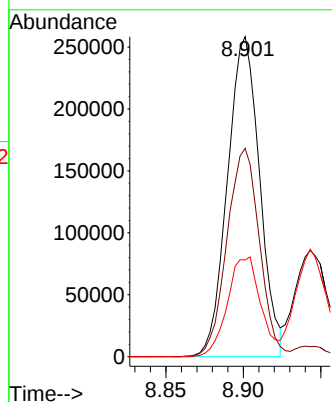
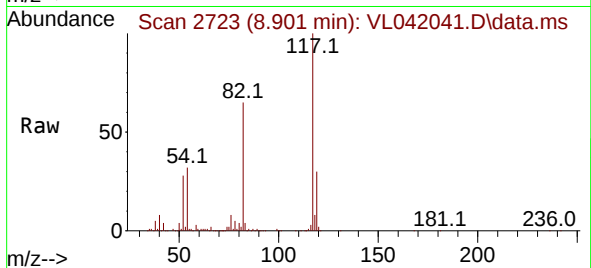
119 32.4 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025

Supervised By :Semsettin Yesilyurt 03/06/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 7.049 ppbv

RT: 8.943 min Scan# 2736

Delta R.T. 0.000 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

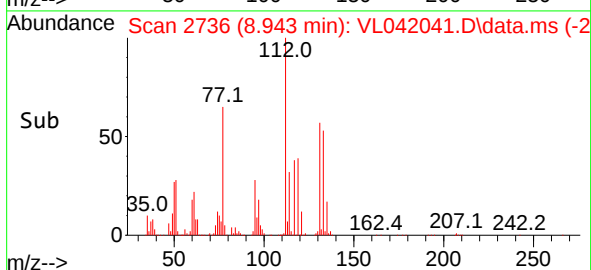
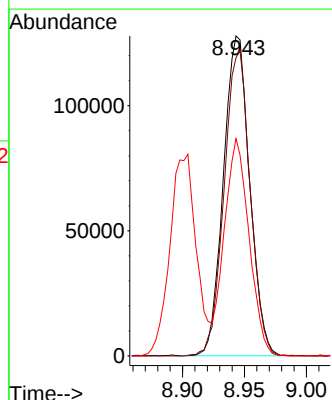
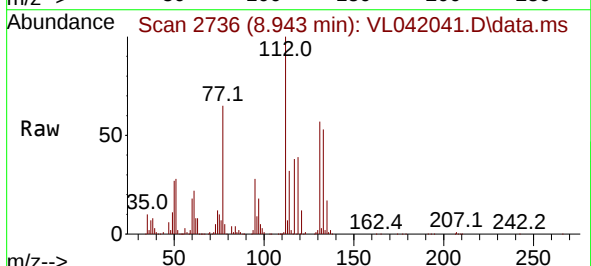
Tgt Ion:131 Resp: 188811

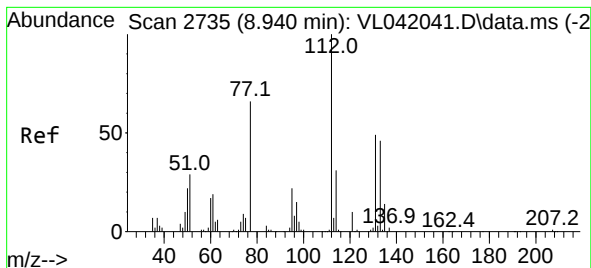
Ion Ratio Lower Upper

131 100

133 94.8 77.8 116.8

119 65.1 49.1 73.7





#57

Chlorobenzene

Concen: 7.735 ppbv

RT: 8.940 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

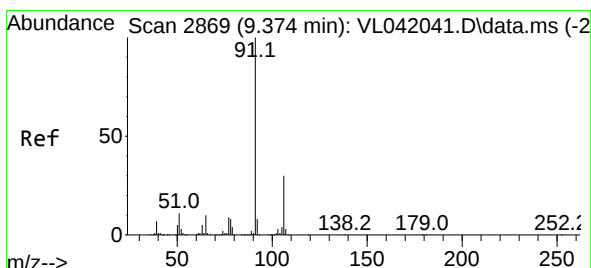
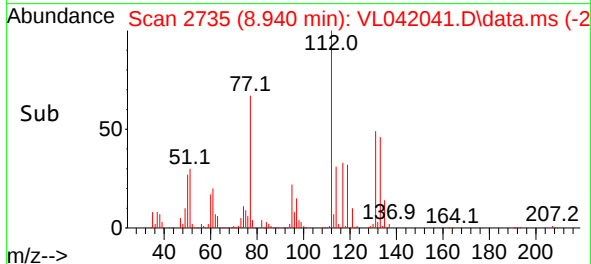
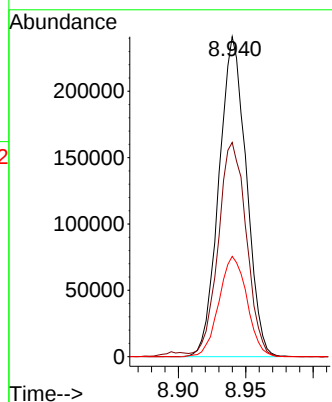
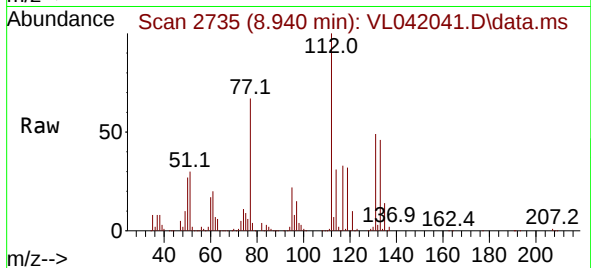
Tgt Ion:112 Resp: 34052

Ion	Ratio	Lower	Upper
112	100		
77	66.8	56.2	84.2
114	31.4	28.2	34.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#58

Ethyl Benzene

Concen: 7.739 ppbv

RT: 9.374 min Scan# 2869

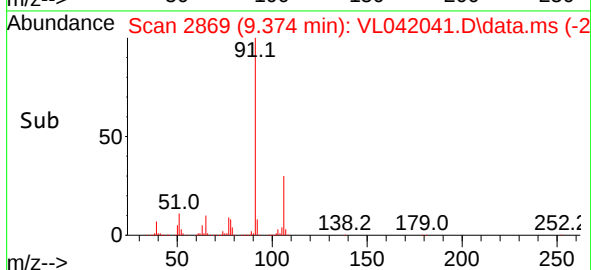
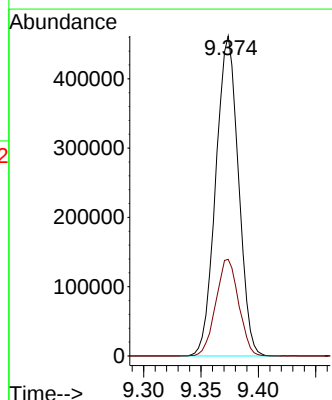
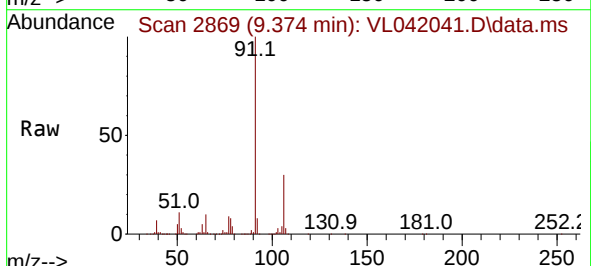
Delta R.T. 0.004 min

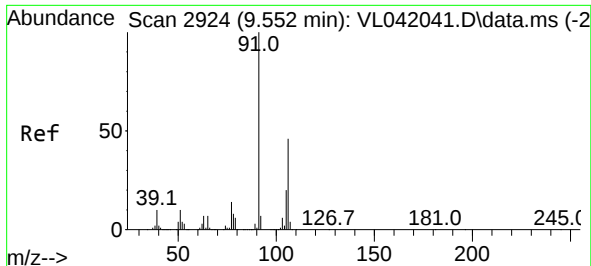
Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Tgt Ion: 91 Resp: 633939

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.1	34.7





#59

m/p-Xylene

Concen: 15.427 ppbv m

RT: 9.552 min Scan# 2924

Delta R.T. 0.004 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 91 Resp: 995259

Ion Ratio Lower Upper

91 100

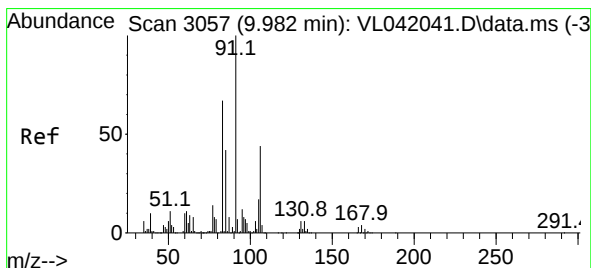
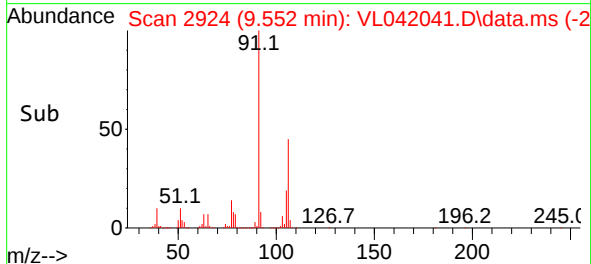
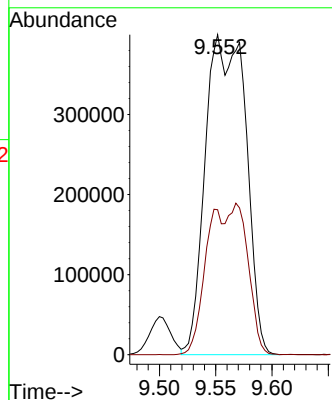
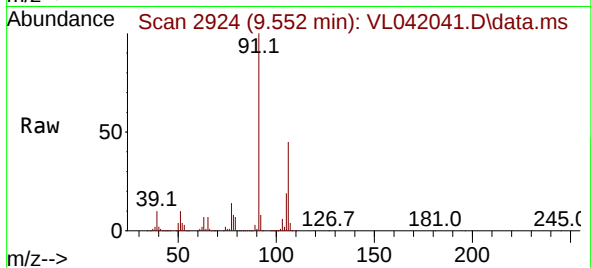
106 0.0 35.8 53.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025

Supervised By :Semsettin Yesilyurt 03/06/2025



#60

o-Xylene

Concen: 7.557 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. 0.004 min

Lab File: VL042041.D

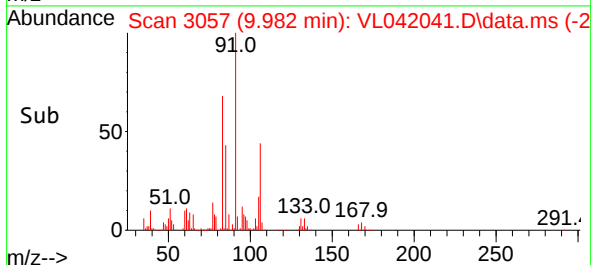
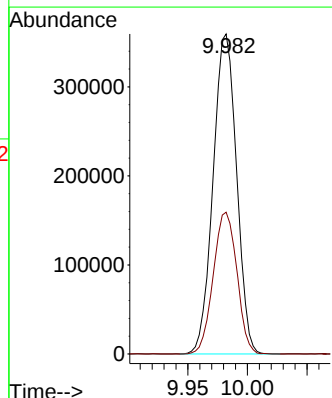
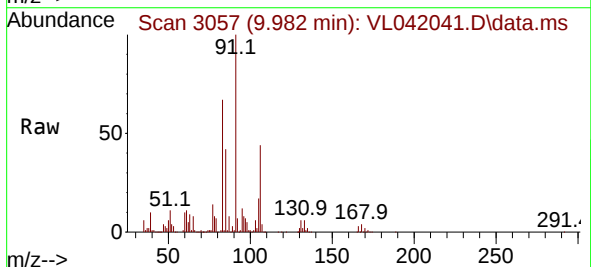
Acq: 25 Feb 2025 08:56

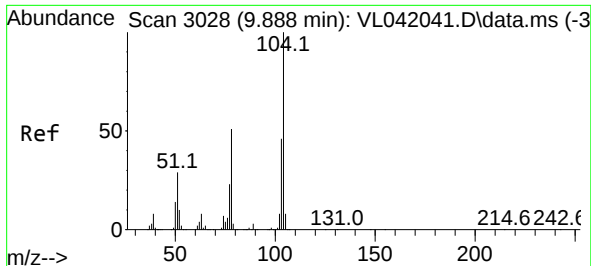
Tgt Ion: 91 Resp: 493069

Ion Ratio Lower Upper

91 100

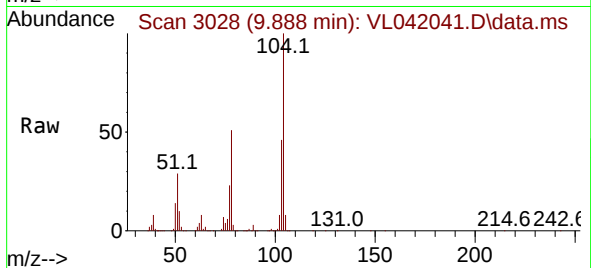
106 44.5 21.4 64.3





#61
Styrene
Concen: 7.912 ppbv
RT: 9.888 min Scan# 3028
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

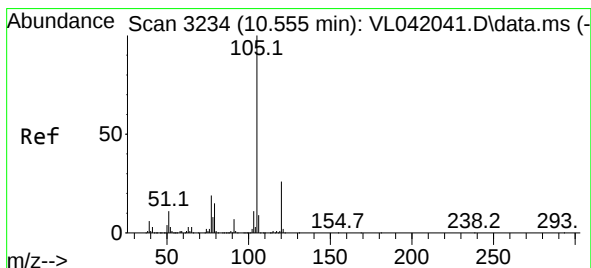
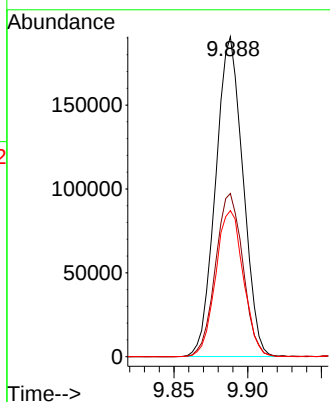
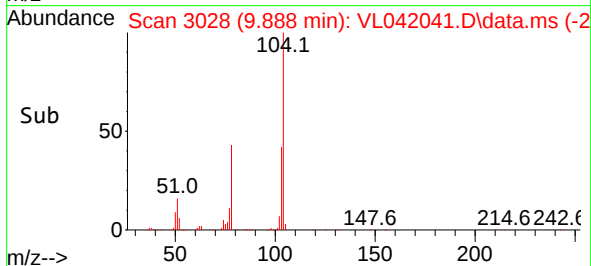
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



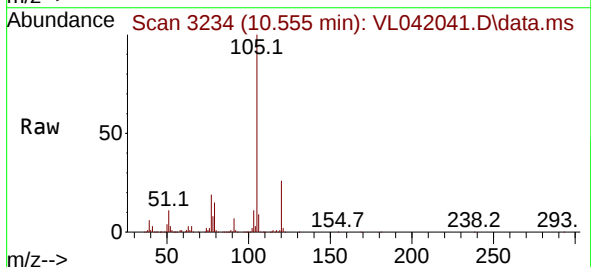
Tgt Ion:104 Resp: 246163
Ion Ratio Lower Upper
104 100
78 51.2 42.2 63.4
103 46.3 38.1 57.1

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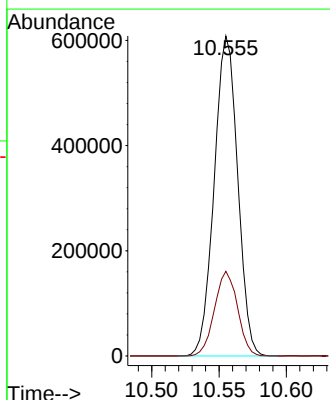
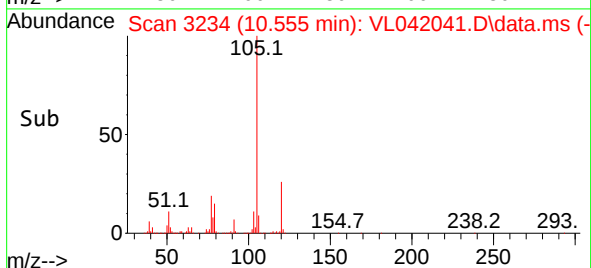
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

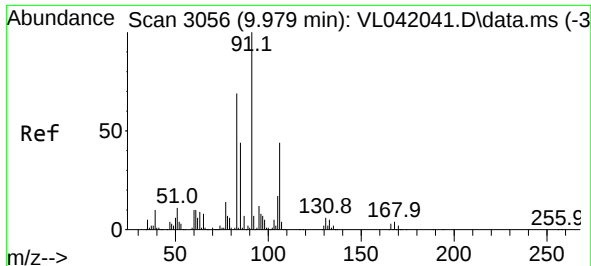


#62
Isopropylbenzene
Concen: 7.522 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56



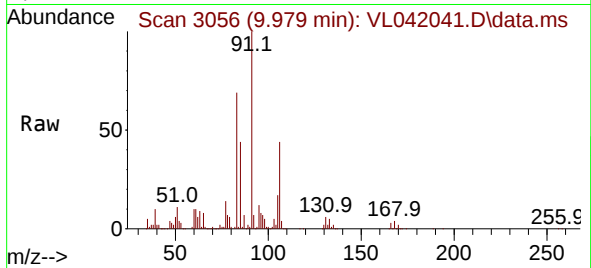
Tgt Ion:105 Resp: 736884
Ion Ratio Lower Upper
105 100
120 25.9 19.8 29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 7.538 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

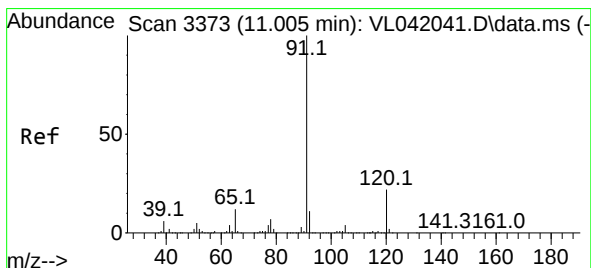
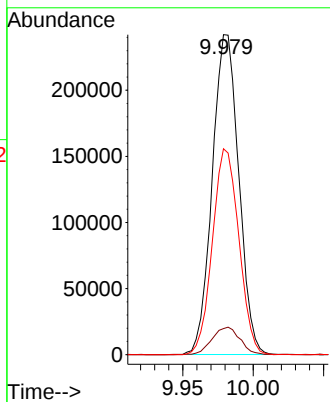
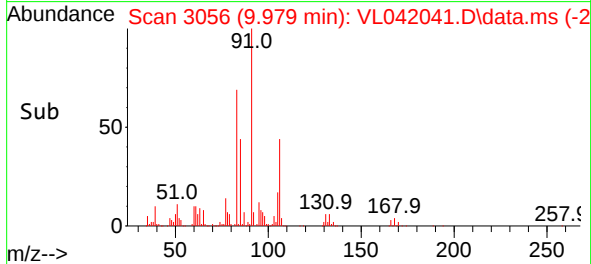
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 83 Resp: 31731
Ion Ratio Lower Upper
83 100
131 9.1 5.0 15.0
85 64.2 32.1 96.3

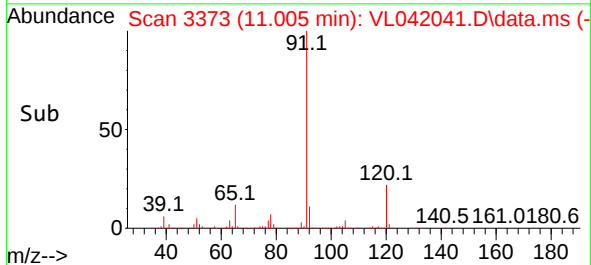
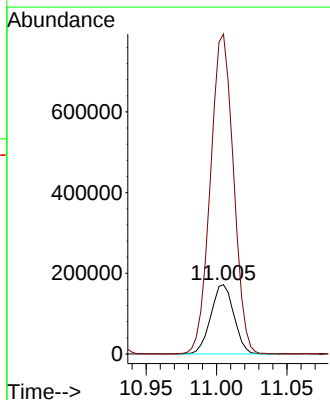
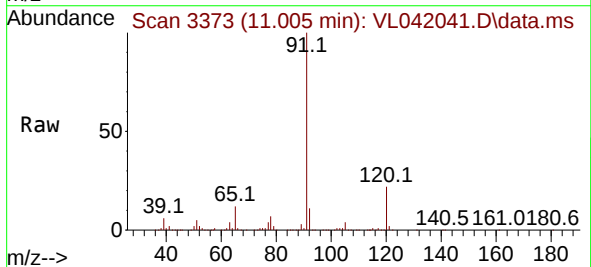
Manual Integrations
APPROVED

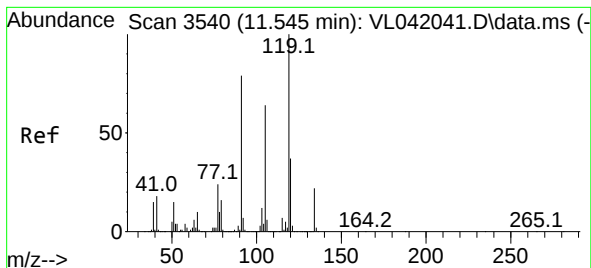
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#64
n-propylbenzene
Concen: 8.145 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:120 Resp: 196044
Ion Ratio Lower Upper
120 100
91 463.3 392.2 588.2





#65

tert-Butylbenzene

Concen: 7.596 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.000 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:119 Resp: 648698

Ion Ratio Lower Upper

119 100

91 80.2 66.5 99.7

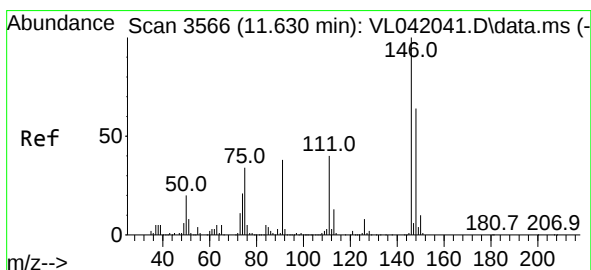
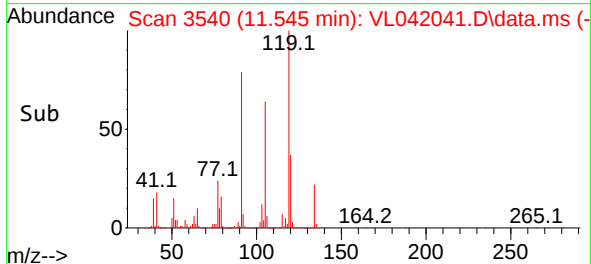
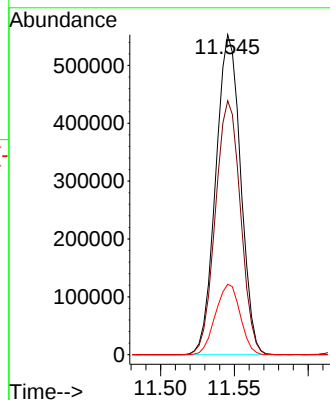
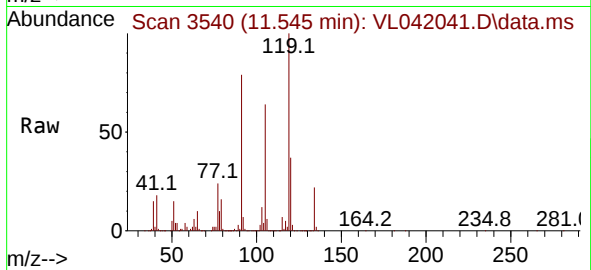
134 21.8 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025

Supervised By :Semsettin Yesilyurt 03/06/2025



#66

Benzyl Chloride

Concen: 6.699 ppbv

RT: 11.630 min Scan# 3566

Delta R.T. 0.000 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

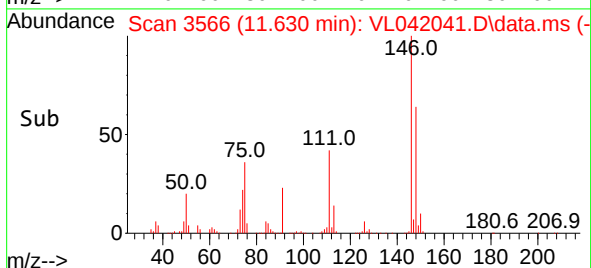
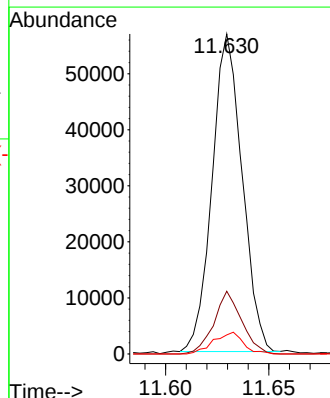
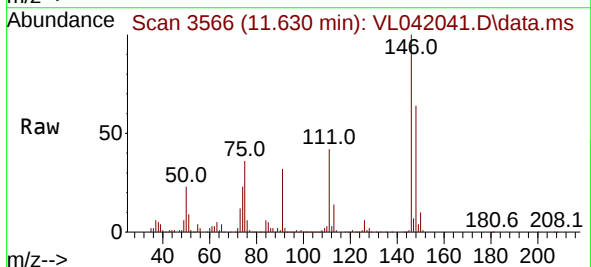
Tgt Ion: 91 Resp: 57345

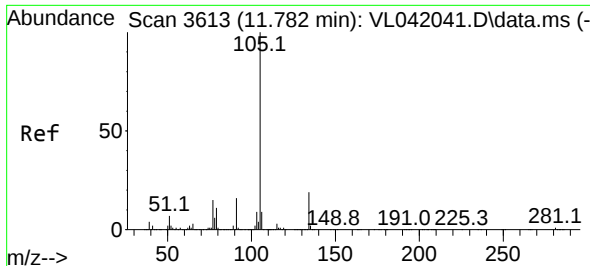
Ion Ratio Lower Upper

91 100

126 18.1 13.8 20.6

128 6.8 4.1 6.1#





#67

sec-Butylbenzene

Concen: 7.744 ppbv

RT: 11.782 min Scan# 3613

Delta R.T. 0.000 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 92886

Ion Ratio Lower Upper

105 100

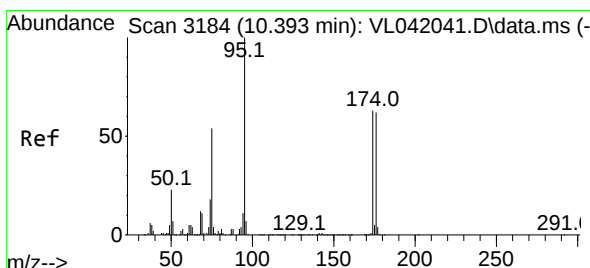
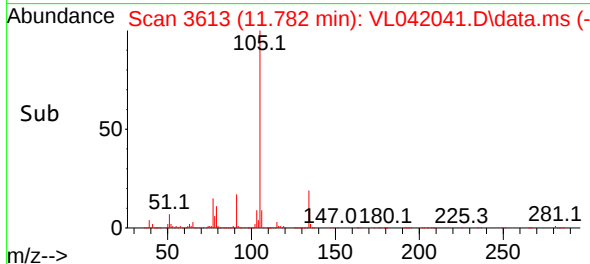
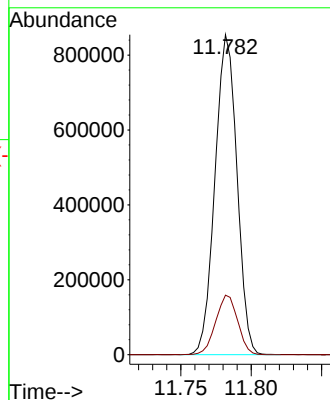
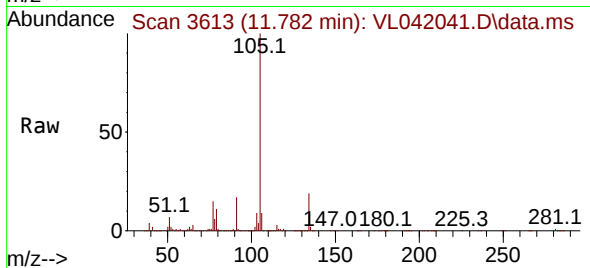
134 18.6 14.7 22.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025

Supervised By :Semsettin Yesilyurt 03/06/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.263 ppbv

RT: 10.393 min Scan# 3184

Delta R.T. 0.003 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

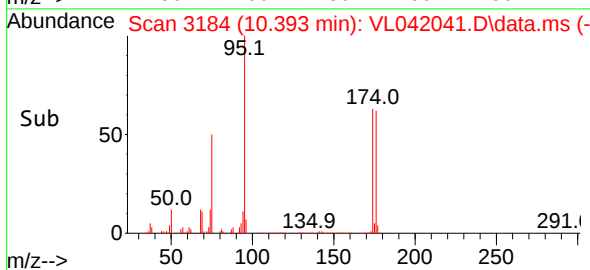
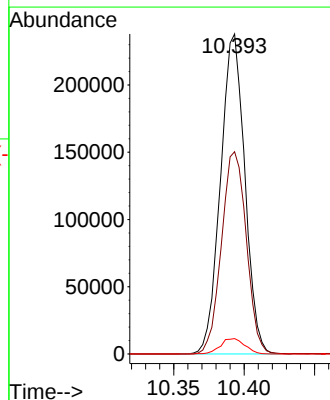
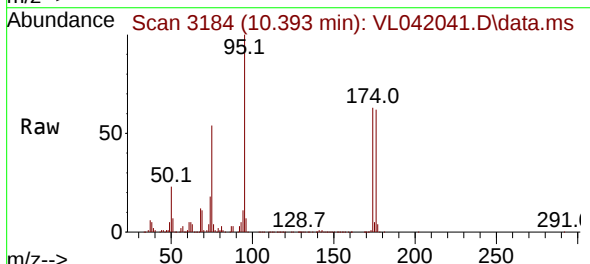
Tgt Ion: 95 Resp: 285943

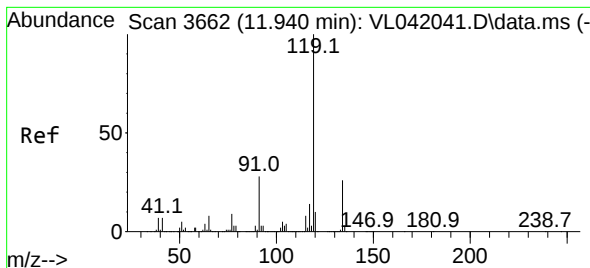
Ion Ratio Lower Upper

95 100

174 64.7 46.7 70.1

175 4.9 3.7 5.5





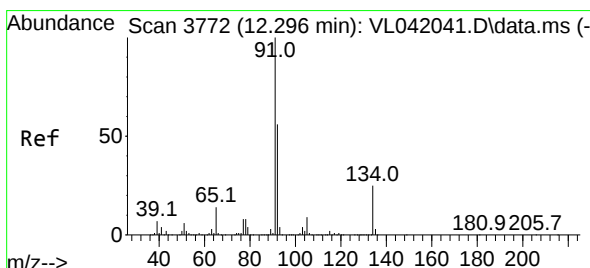
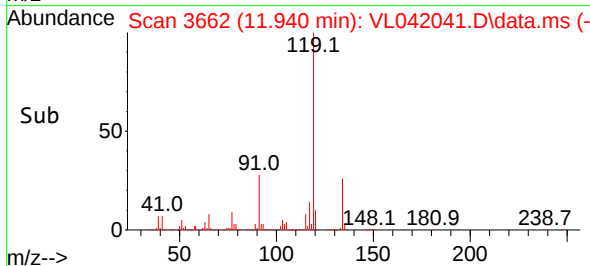
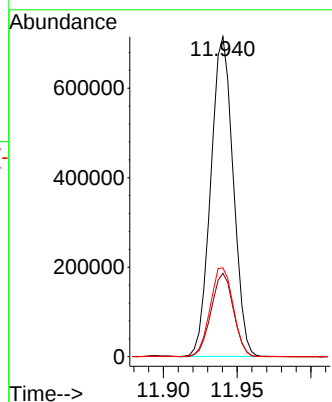
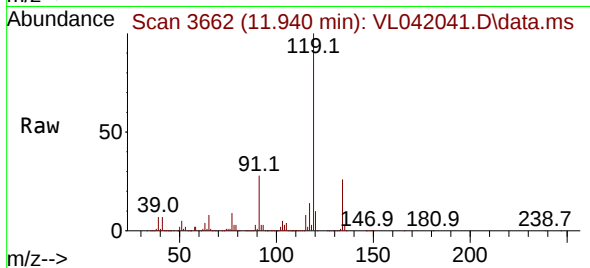
#69
p-Isopropyltoluene
Concen: 7.702 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 756264
Ion Ratio Lower Upper
119 100
134 26.1 19.4 29.0
91 28.9 23.4 35.2

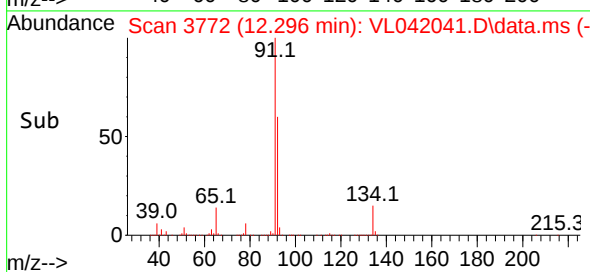
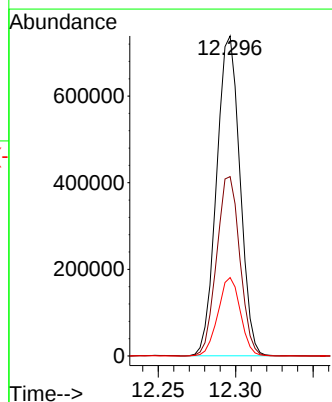
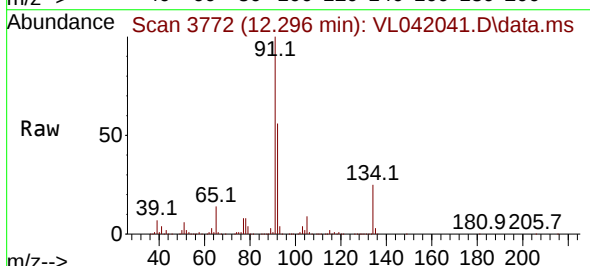
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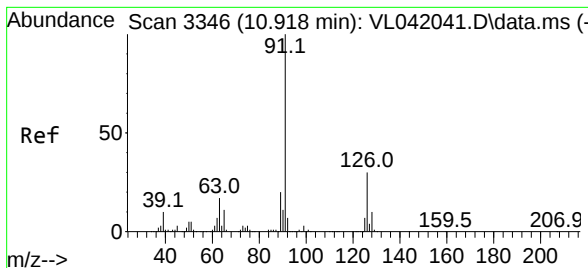
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#70
n-Butylbenzene
Concen: 8.009 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 91 Resp: 774646
Ion Ratio Lower Upper
91 100
92 55.9 43.8 65.8
134 23.6 18.6 27.8





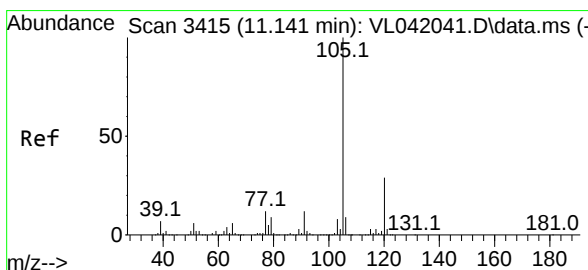
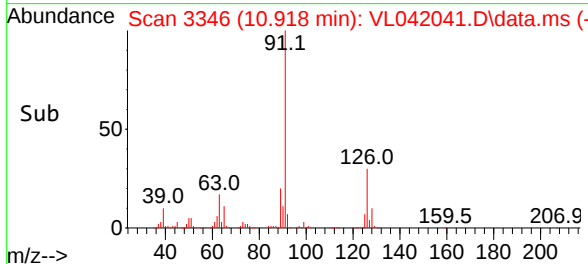
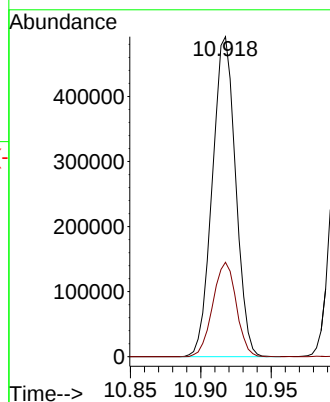
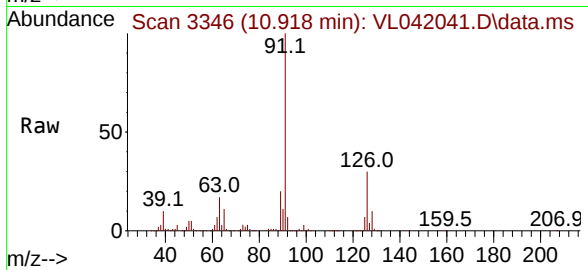
#71
2-Chlorotoluene
Concen: 7.681 ppbv
RT: 10.918 min Scan# 3346
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 566619
Ion Ratio Lower Upper
91 100
126 29.7 11.2 45.0

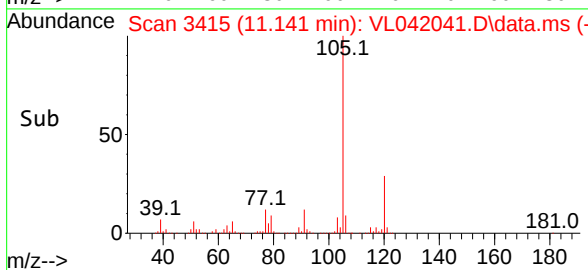
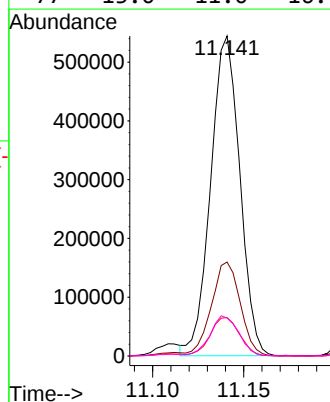
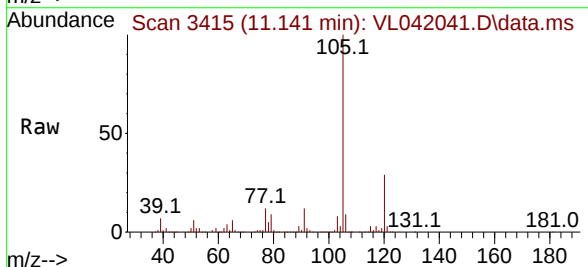
Manual Integrations
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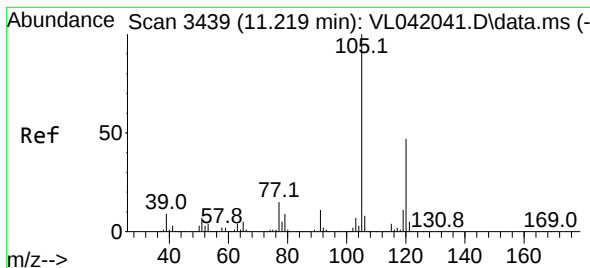
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



#72
4-Ethyltoluene
Concen: 7.934 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:105 Resp: 606538
Ion Ratio Lower Upper
105 100
120 30.1 22.7 34.1
91 12.8 10.2 15.2
77 13.0 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 7.838 ppbv

RT: 11.219 min Scan# 3439

Delta R.T. 0.000 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 51687

Ion Ratio Lower Upper

105 100

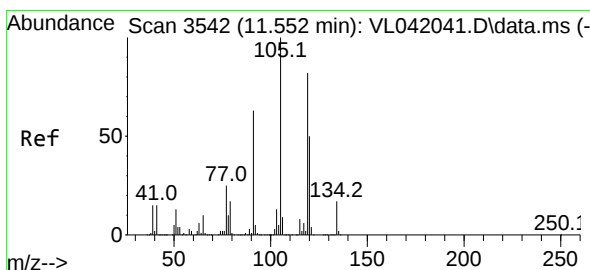
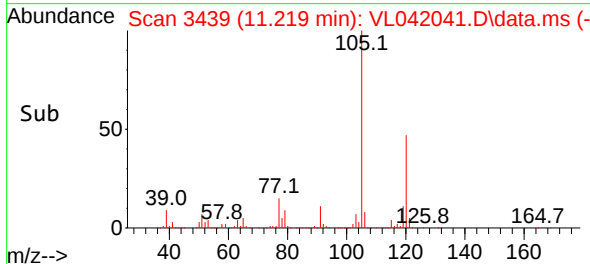
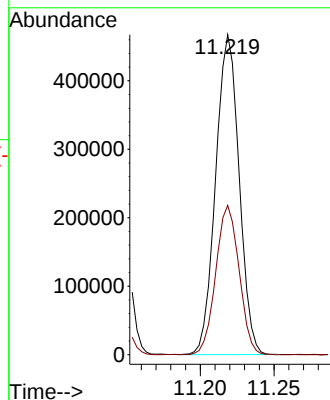
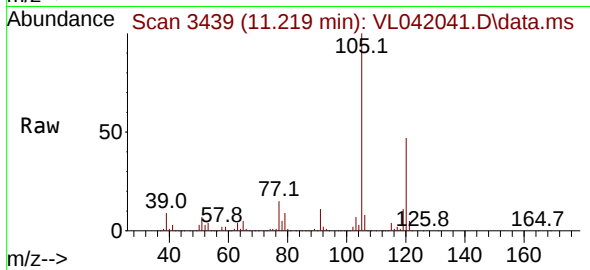
120 46.7 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025

Supervised By :Semsettin Yesilyurt 03/06/2025



#74

1,2,4-Trimethylbenzene

Concen: 7.777 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. 0.000 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Tgt Ion:105 Resp: 550412

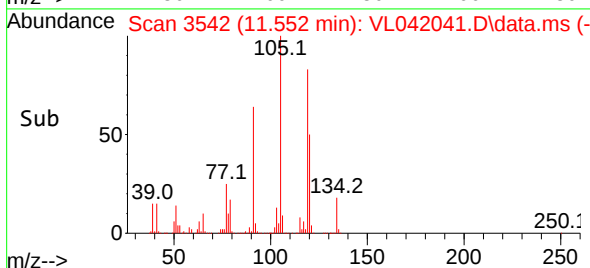
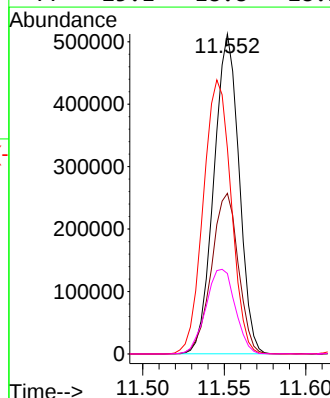
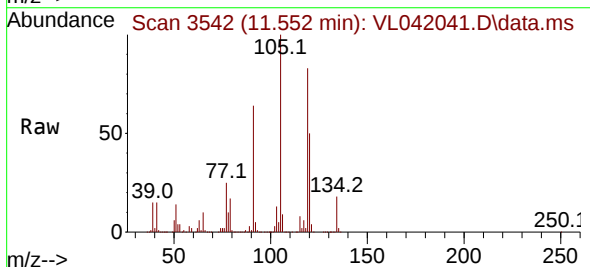
Ion Ratio Lower Upper

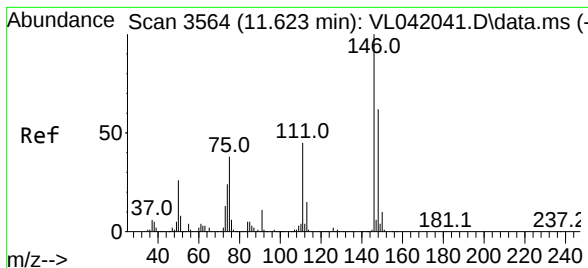
105 100

120 50.2 37.5 56.3

91 64.3 51.7 77.5

77 25.1 18.8 28.2





#75

1,3-Dichlorobenzene

Concen: 8.535 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. 0.000 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:146 Resp: 325160

Ion Ratio Lower Upper

146 100

111 44.8 23.9 71.7

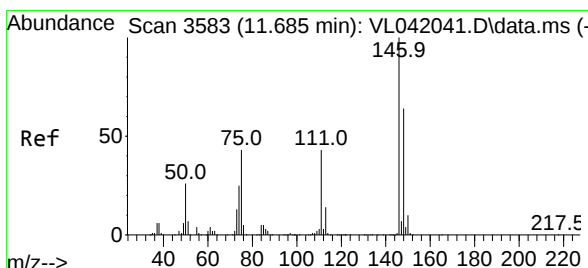
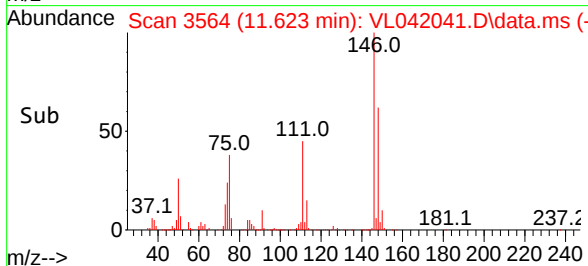
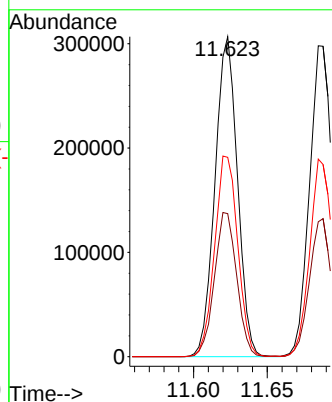
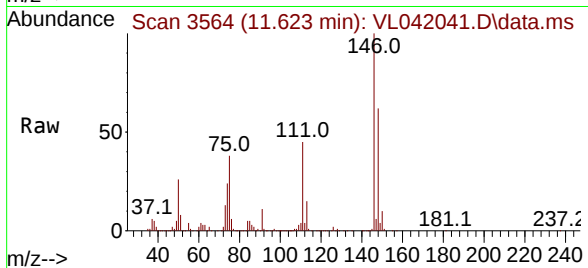
148 64.5 31.5 94.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025

Supervised By :Semsettin Yesilyurt 03/06/2025



#76

1,4-Dichlorobenzene

Concen: 8.678 ppbv

RT: 11.685 min Scan# 3583

Delta R.T. 0.000 min

Lab File: VL042041.D

Acq: 25 Feb 2025 08:56

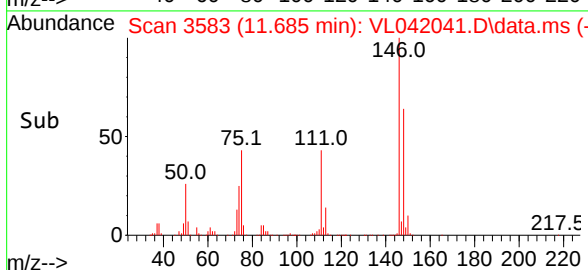
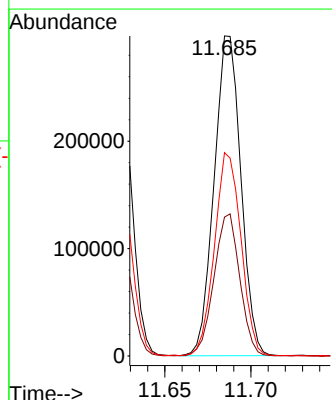
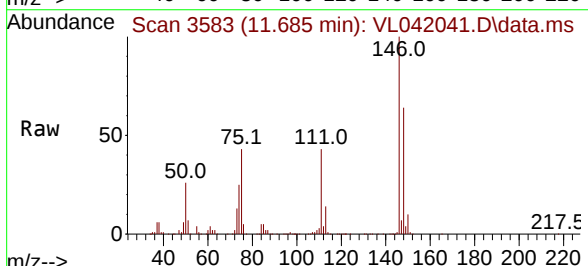
Tgt Ion:146 Resp: 322404

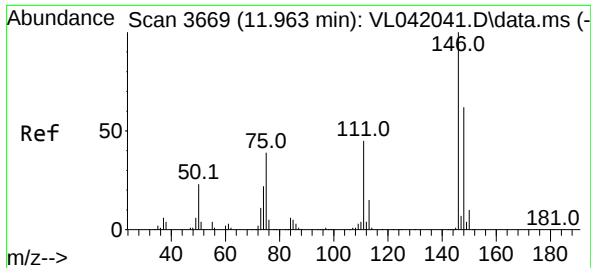
Ion Ratio Lower Upper

146 100

111 43.0 23.5 70.5

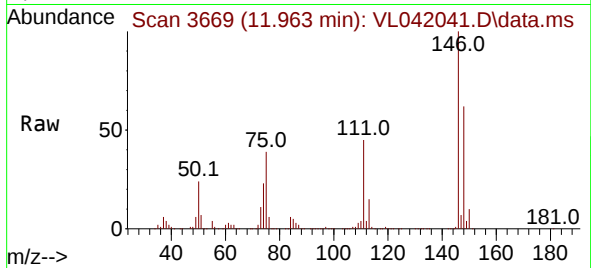
148 63.3 32.3 96.9





#77
1,2-Dichlorobenzene
Concen: 8.593 ppbv
RT: 11.963 min Scan# 3669
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

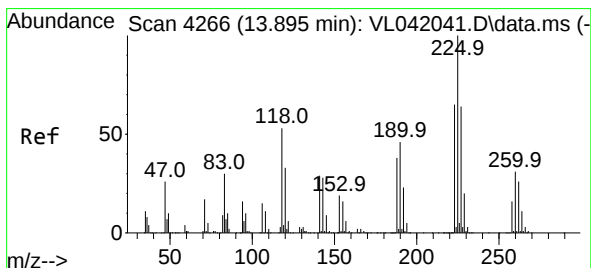
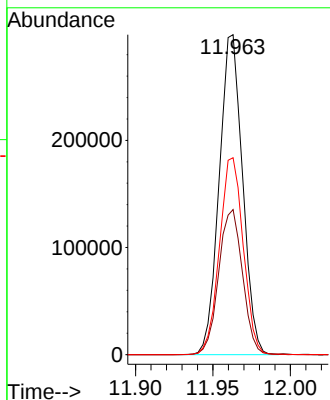
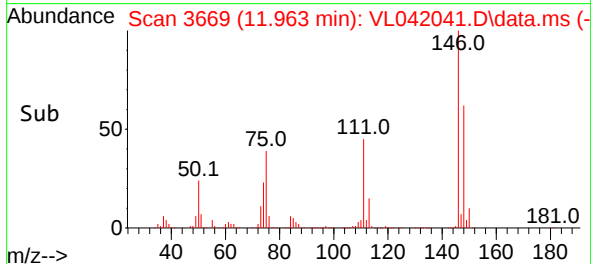
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



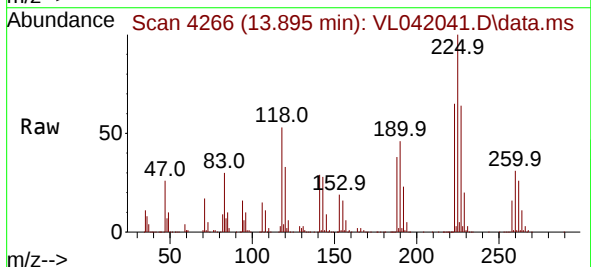
Tgt Ion:146 Resp: 31294
Ion Ratio Lower Upper
146 100
111 46.4 25.6 76.8
148 62.8 31.9 95.7

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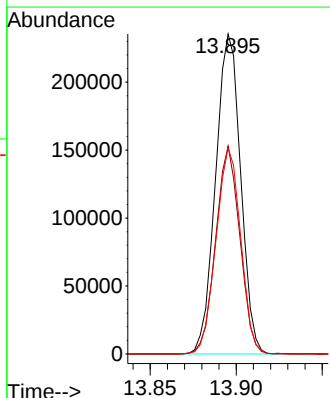
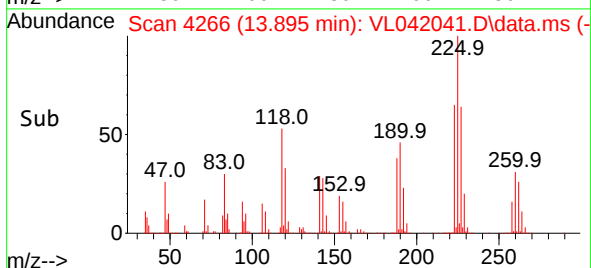
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

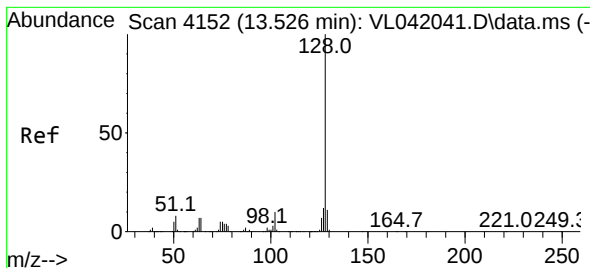


#78
Hexachloro-1,3-Butadiene
Concen: 7.907 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56



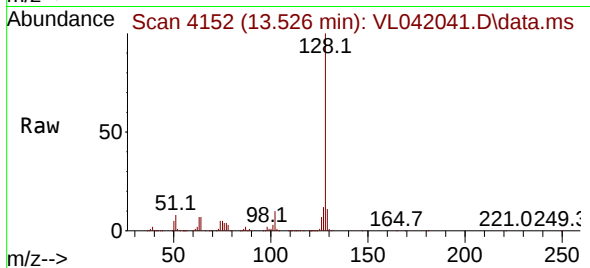
Tgt Ion:225 Resp: 238217
Ion Ratio Lower Upper
225 100
223 62.7 50.6 75.8
227 63.5 50.9 76.3





#79
Naphthalene
Concen: 7.372 ppbv
RT: 13.526 min Scan# 4152
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

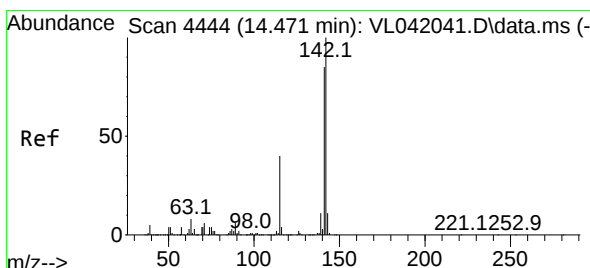
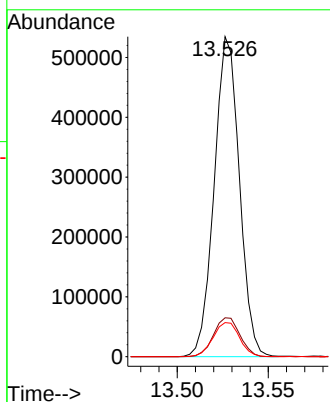
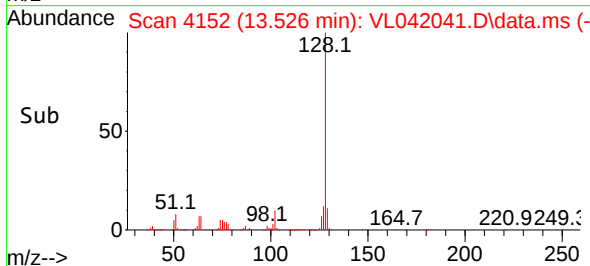
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



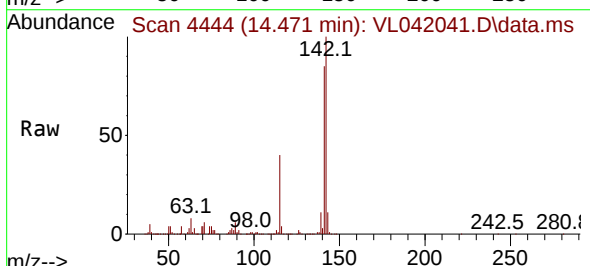
Tgt Ion:128 Resp: 513192
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.2
129 10.7 8.6 13.0

Manual Integrations
APPROVED

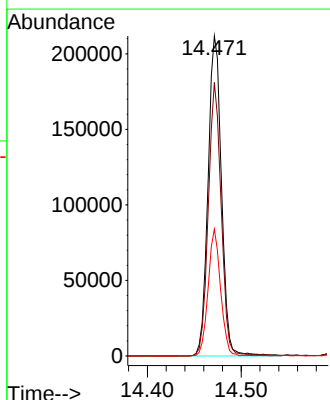
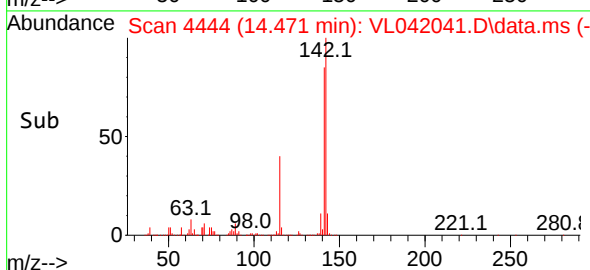
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

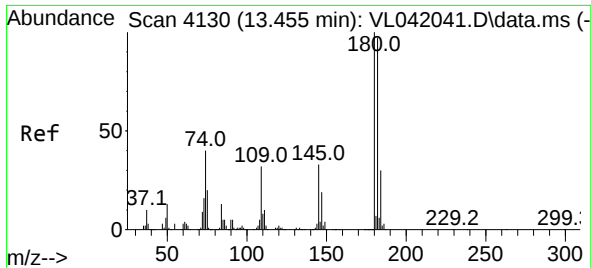


#80
Naphthalene,2-methyl-
Concen: 6.676 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56



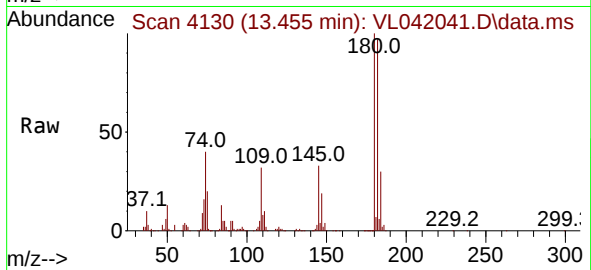
Tgt Ion:142 Resp: 210405
Ion Ratio Lower Upper
142 100
141 82.2 68.2 102.2
115 36.9 33.6 50.4





#81
 1,2,4-Trichlorobenzene
 Concen: 8.517 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042041.D
 Acq: 25 Feb 2025 08:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion:180 Resp: 24103
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.8 113.6
 184 29.7 24.2 36.4

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
 Supervised By :Semsettin Yesilyurt 03/06/2025

