

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
 Data File : VL042042.D
 Acq On : 25 Feb 2025 09:29
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Quant Time: Feb 25 10:12:18 2025

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

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

QLast Update : 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	160999	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	427051	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	377910	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 289049 9.273 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	35122	1.267	ppbv	95
3) Chlorodifluoromethane	1.483	51	49423	1.613	ppbv	94
4) Chloromethane	1.538	50	12833	1.192	ppbv #	87
5) Vinyl Chloride	1.586	62	11611	0.902	ppbv	97
6) Bromomethane	1.674	94	5996	1.201	ppbv	97
7) Chloroethane	1.712	64	5014	1.195	ppbv	90
8) Dichlorotetrafluoroethane	1.560	85	29028	1.191	ppbv	99
9) Propene	1.489	41	20484	1.551	ppbv	95
10) Heptane	5.004	43	63098	1.720	ppbv	94
11) Trichlorofluoromethane	1.884	101	36041	1.292	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.149	101	27846	1.280	ppbv	90
13) Ethanol	1.729	45	1291	0.866	ppbv	91
14) Bromoethene	1.790	108	9642	1.187	ppbv	93
15) Acetone	1.842	43	30058	1.131	ppbv	100
16) 1,3-Butadiene	1.615	39	13471	1.069	ppbv	100
17) tert-Butyl alcohol	2.052	59	38684	1.176	ppbv	96
18) 1,1-Dichloroethene	2.043	96	12417	1.195	ppbv	93
19) Isopropyl Alcohol	1.894	45	17927	1.203	ppbv	96
20) Methylene Chloride	2.072	84	10587	1.058	ppbv #	80
21) Allyl Chloride	2.107	41	20564	1.069	ppbv	96
22) trans-1,2-Dichloroethene	2.350	96	14475	1.283	ppbv	81
23) Vinyl Acetate	2.473	43	22394	1.556	ppbv #	94
24) 1,1-Dichloroethane	2.421	63	27804	1.214	ppbv	99
25) Ethyl Acetate	2.852	43	121593	1.667	ppbv	100
26) Hexane	2.839	57	48912	1.671	ppbv	98
27) Carbon Disulfide	2.159	76	33222	1.207	ppbv #	57
28) Methyl tert-Butyl Ether	2.457	73	26968	1.507	ppbv	100
29) Chloroform	2.865	83	63463	1.497	ppbv	92
30) Cyclohexane	3.878	84	40420	1.702	ppbv	98
31) cis-1,2-Dichloroethene	2.732	61	46690	1.614	ppbv	96
32) 1,1,1-Trichloroethane	3.386	97	62586	1.331	ppbv	97
34) 2-Butanone	2.573	43	69370	1.888	ppbv	96
35) Carbon Tetrachloride	3.784	117	61895	1.493	ppbv	97
36) Benzene	3.677	78	94277	1.822	ppbv	98
37) 1,2-Dichloroethane	3.237	62	51050	1.734	ppbv	99
38) Trichloroethene	4.574	130	38184	1.817	ppbv	99
39) 1,2-Dichloropropane	4.341	63	35396	1.866	ppbv	95
40) 1,4-Dioxane	4.622	88	15442	1.565	ppbv #	28
41) Tetrahydrofuran	3.075	42	40365	1.922	ppbv	96
42) Bromodichloromethane	4.512	83	69154	1.733	ppbv	94
43) Methyl Methacrylate	4.910	69	36393	1.543	ppbv	94
44) 2,2,4-Trimethylpentane	4.664	57	166945	1.901	ppbv	97
45) t-1,3-Dichloropropene	6.448	75	35707	1.604	ppbv	93

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 ClientSampleId :
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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 25 10:12:18 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

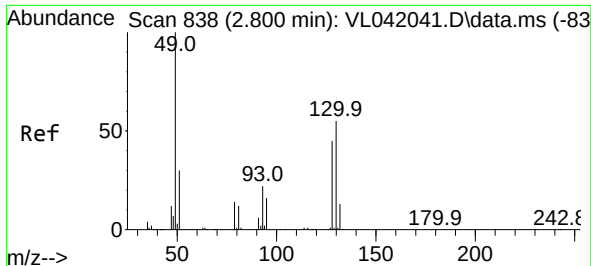
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	46835	1.658	ppbv	93
47) 1,1,2-Trichloroethane	6.613	97	36368	1.822	ppbv	93
48) Dibromochloromethane	7.412	129	56931	1.703	ppbv	99
49) Bromoform	9.503	173	50259	1.833	ppbv	99
50) 4-Methyl-2-Pentanone	5.797	43	83246	1.474	ppbv	99
51) 2-Hexanone	7.470	43	51926	1.124	ppbv #	94
52) Tetrachloroethene	8.244	164	32874	1.822	ppbv	95
53) Toluene	6.962	91	109646	1.779	ppbv	98
54) 1,2-Dibromoethane	7.678	107	50010	1.820	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.946	131	44947	1.662	ppbv	98
57) Chlorobenzene	8.943	112	84749	1.906	ppbv	95
58) Ethyl Benzene	9.374	91	149185	1.804	ppbv	99
59) m/p-Xylene	9.568	91	238800m	3.666	ppbv	
60) o-Xylene	9.982	91	119170	1.809	ppbv	97
61) Styrene	9.888	104	55798	1.776	ppbv	96
62) Isopropylbenzene	10.555	105	181311	1.833	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.982	83	77911	1.833	ppbv	96
64) n-propylbenzene	11.005	120	47764	1.965	ppbv	92
65) tert-Butylbenzene	11.545	119	167973	1.948	ppbv	96
66) Benzyl Chloride	11.630	91	12304	1.423	ppbv #	98
67) sec-Butylbenzene	11.782	105	240504	1.986	ppbv	99
69) p-Isopropyltoluene	11.940	119	194660	1.963	ppbv	99
70) n-Butylbenzene	12.296	91	194416	1.991	ppbv	99
71) 2-Chlorotoluene	10.917	91	140068	1.880	ppbv	98
72) 4-Ethyltoluene	11.141	105	150038	1.944	ppbv	98
73) 1,3,5-Trimethylbenzene	11.218	105	128202	1.925	ppbv	99
74) 1,2,4-Trimethylbenzene	11.549	105	150380	2.104	ppbv #	88
75) 1,3-Dichlorobenzene	11.623	146	81884	2.129	ppbv	98
76) 1,4-Dichlorobenzene	11.688	146	82560	2.201	ppbv	97
77) 1,2-Dichlorobenzene	11.963	146	80367	2.186	ppbv	96
78) Hexachloro-1,3-Butadiene	13.895	225	63815	2.098	ppbv	99
79) Naphthalene	13.526	128	102197	1.454	ppbv	98
80) Naphthalene,2-methyl-	14.475	142	18104	0.569	ppbv	94
81) 1,2,4-Trichlorobenzene	13.455	180	57798	2.023	ppbv	98

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

Manual Integrations

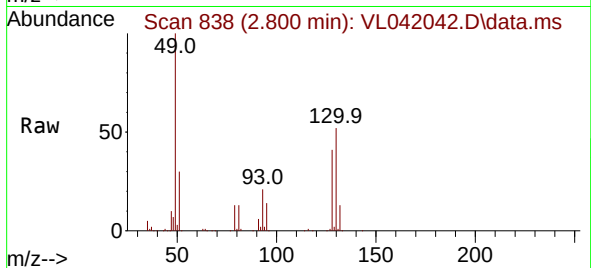
Quant Time: Feb 25 10:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. -0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

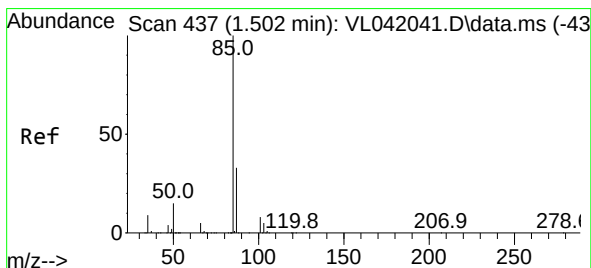
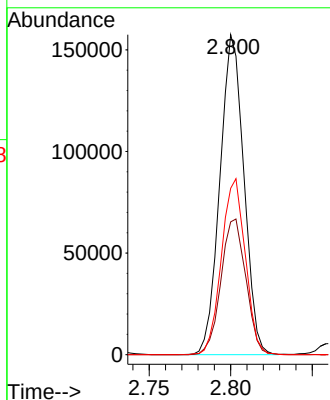
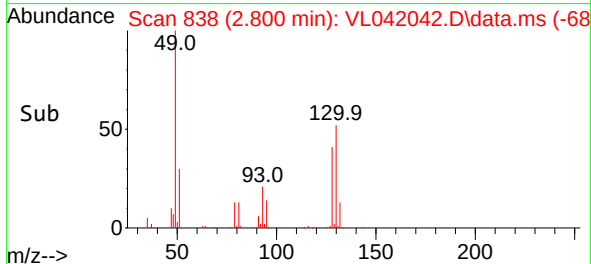
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



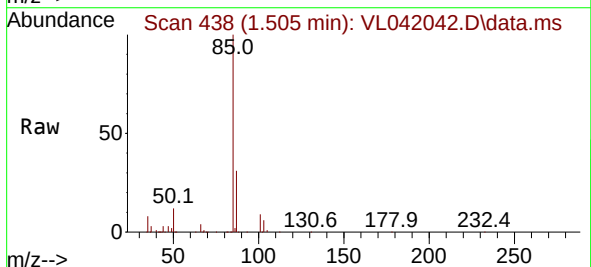
Tgt Ion: 49 Resp: 160999
Ion Ratio Lower Upper
49 100
128 44.0 22.7 68.0
130 54.7 29.9 89.8

Manual Integrations
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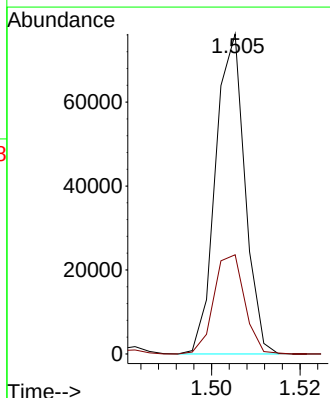
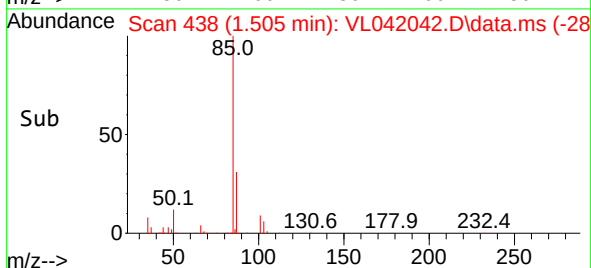
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

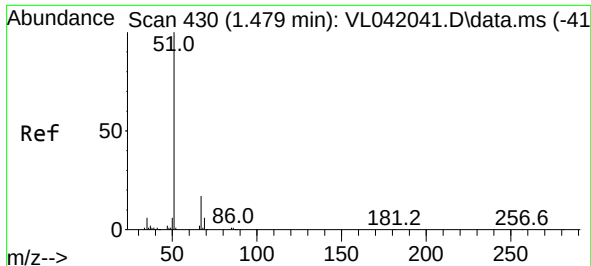


#2
Dichlorodifluoromethane
Concen: 1.267 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29



Tgt Ion: 85 Resp: 35122
Ion Ratio Lower Upper
85 100
87 31.0 26.9 40.3





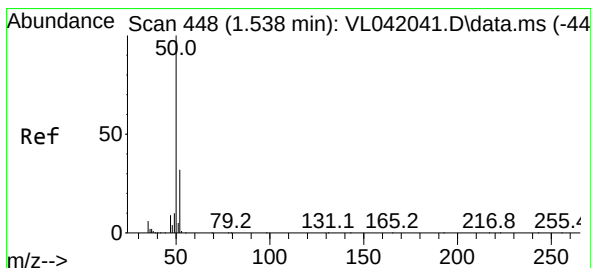
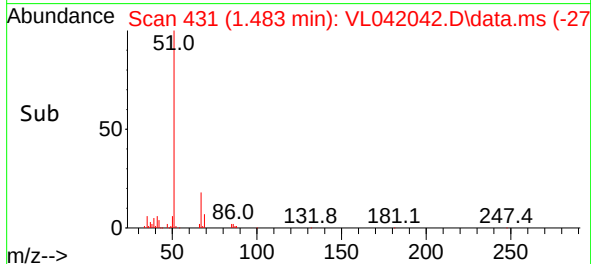
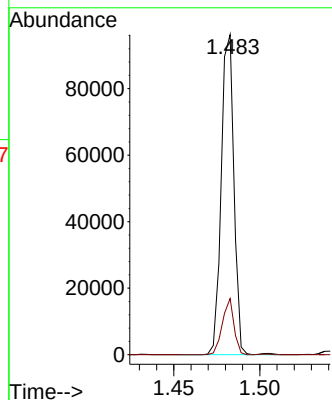
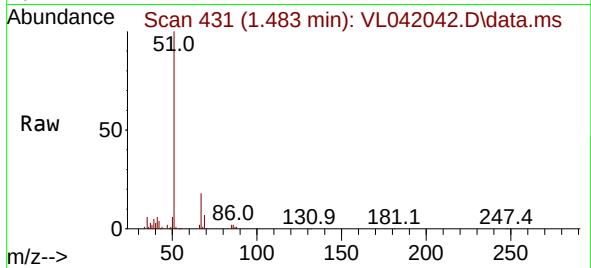
#3
Chlorodifluoromethane
Concen: 1.613 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 4942
Ion Ratio Lower Upper
51 100
67 16.1 15.0 22.6

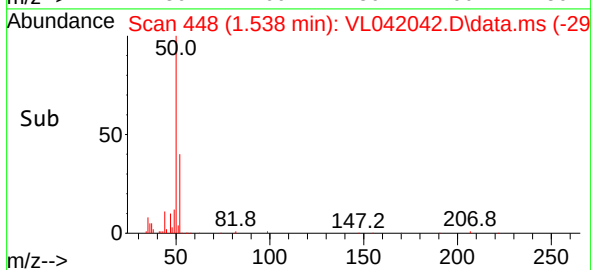
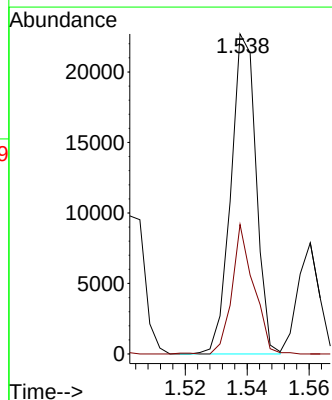
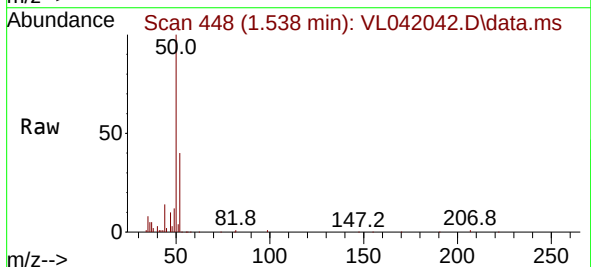
Manual Integrations
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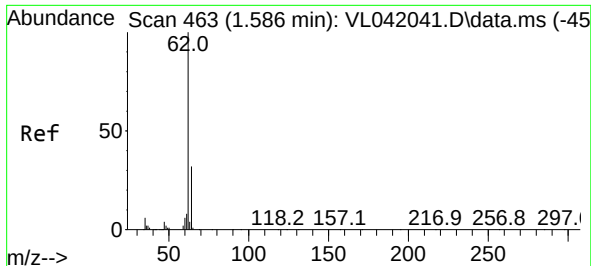
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#4
Chloromethane
Concen: 1.192 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

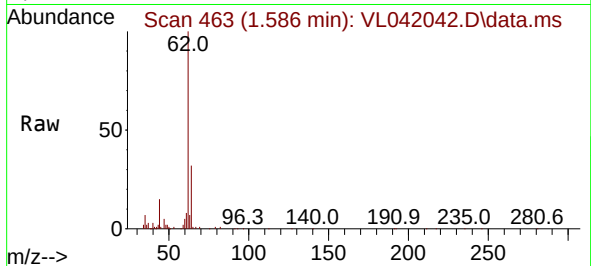
Tgt Ion: 50 Resp: 12833
Ion Ratio Lower Upper
50 100
52 40.2 26.2 39.2#





#5
 Vinyl Chloride
 Concen: 0.902 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: VL042042.D
 Acq: 25 Feb 2025 09:29

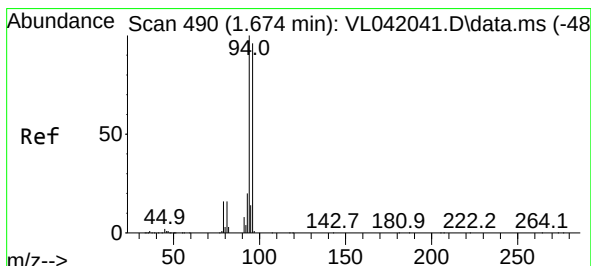
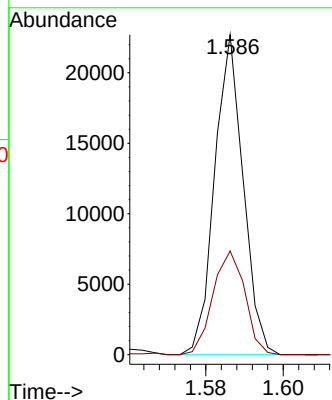
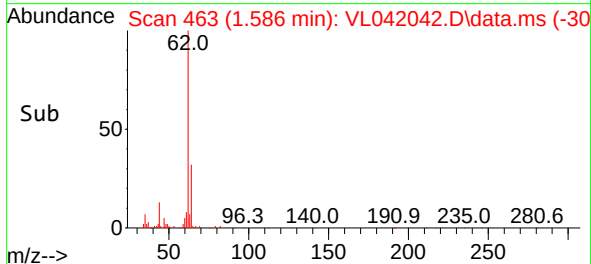
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 62 Resp: 1161
 Ion Ratio Lower Upper
 62 100
 64 32.4 24.4 36.6

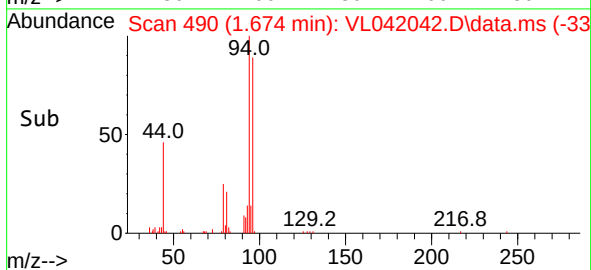
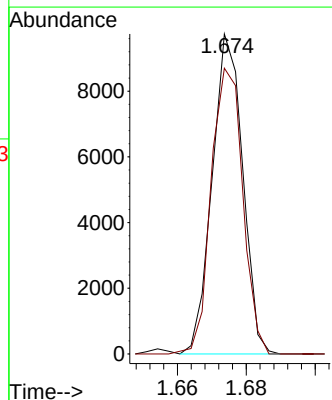
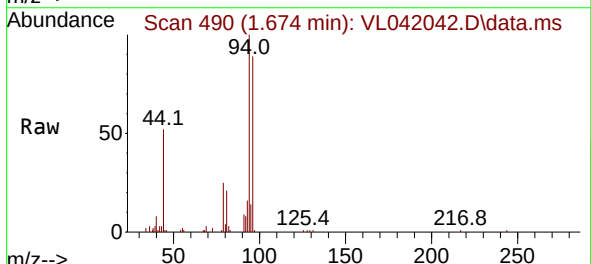
Manual Integrations
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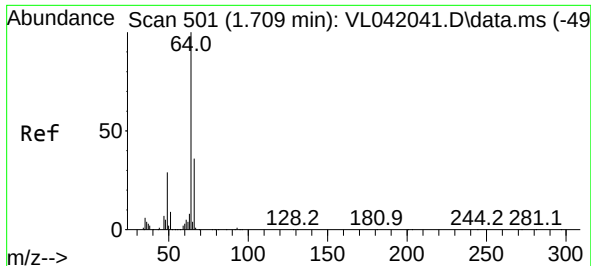
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#6
 Bromomethane
 Concen: 1.201 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.000 min
 Lab File: VL042042.D
 Acq: 25 Feb 2025 09:29

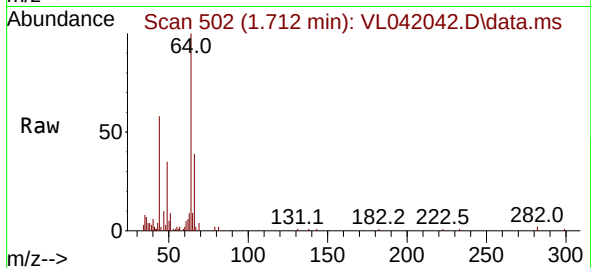
Tgt Ion: 94 Resp: 5996
 Ion Ratio Lower Upper
 94 100
 96 89.3 69.0 103.6





#7
Chloroethane
Concen: 1.195 ppbv
RT: 1.712 min Scan# 501
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

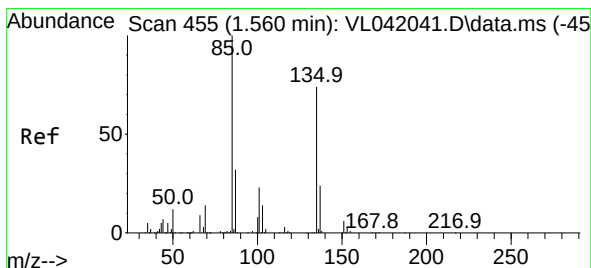
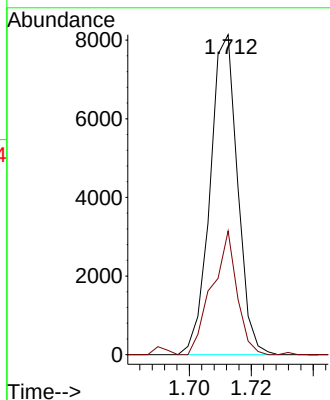
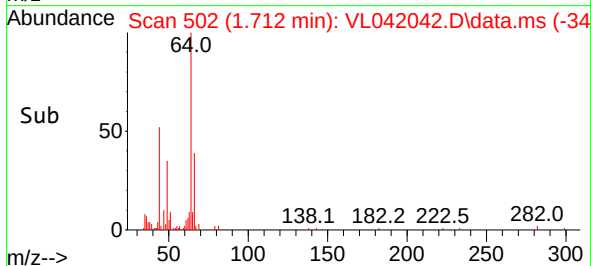
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 64 Resp: 5014
Ion Ratio Lower Upper
64 100
66 38.7 26.5 39.7

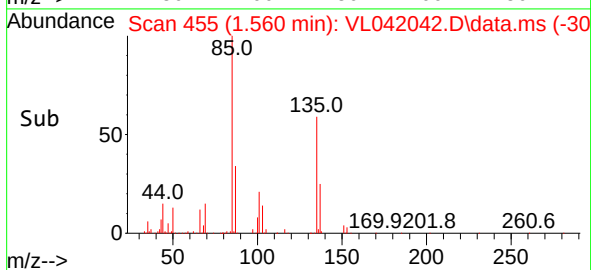
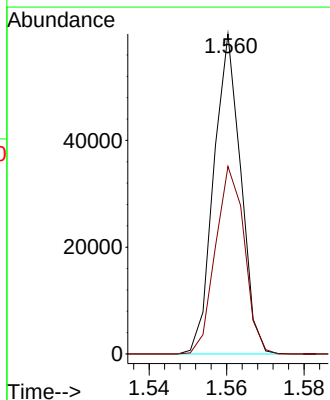
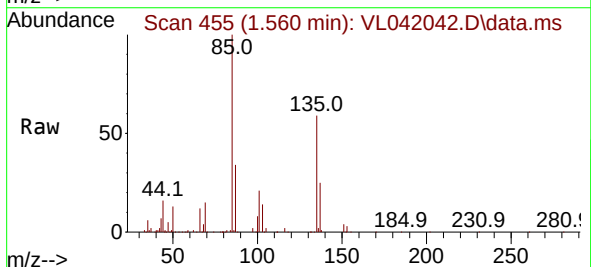
Manual Integrations
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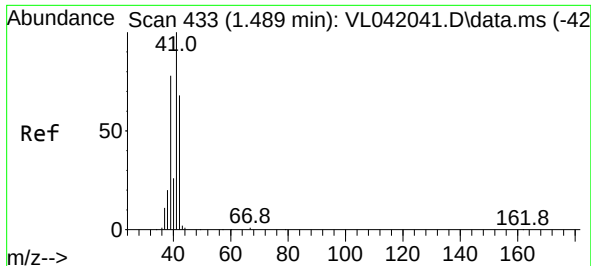
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#8
Dichlorotetrafluoroethane
Concen: 1.191 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 85 Resp: 29028
Ion Ratio Lower Upper
85 100
135 63.1 50.9 76.3





#9

Propene

Concen: 1.551 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 41 Resp: 20484

Ion Ratio Lower Upper

41 100

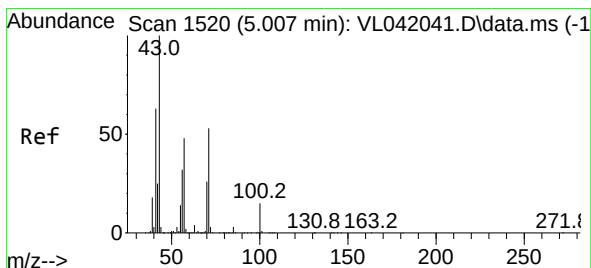
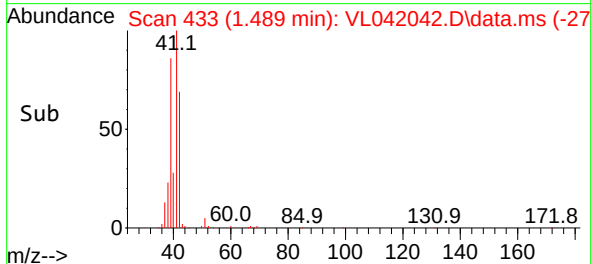
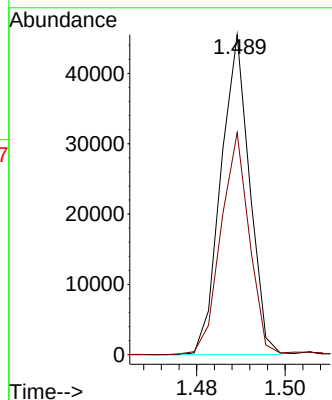
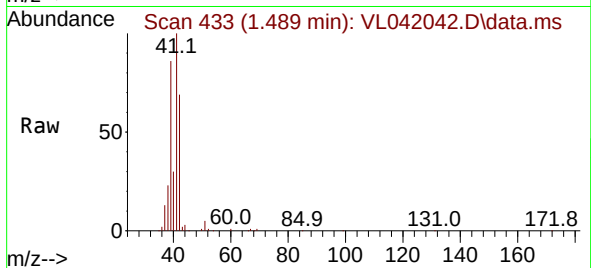
42 70.7 53.5 80.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#10

Heptane

Concen: 1.720 ppbv

RT: 5.004 min Scan# 1519

Delta R.T. 0.000 min

Lab File: VL042042.D

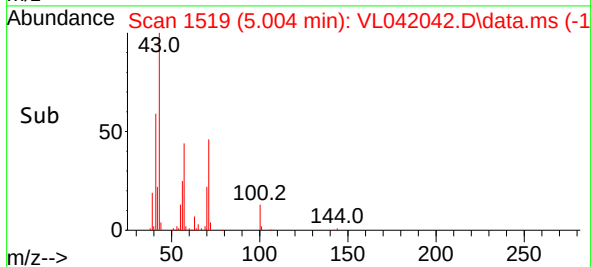
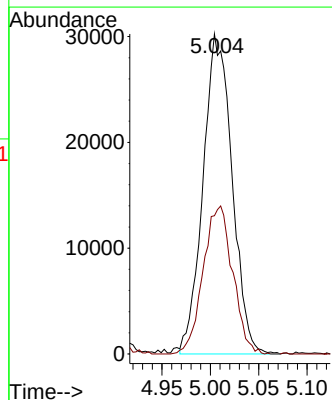
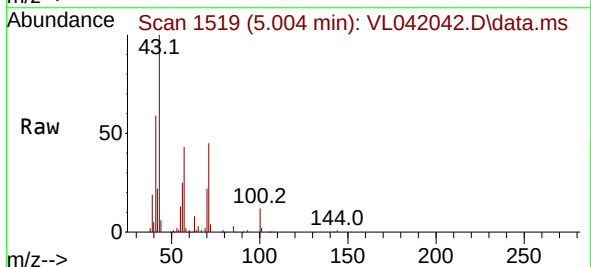
Acq: 25 Feb 2025 09:29

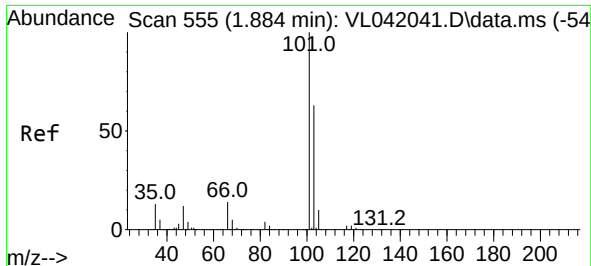
Tgt Ion: 43 Resp: 63098

Ion Ratio Lower Upper

43 100

57 47.0 41.0 61.6





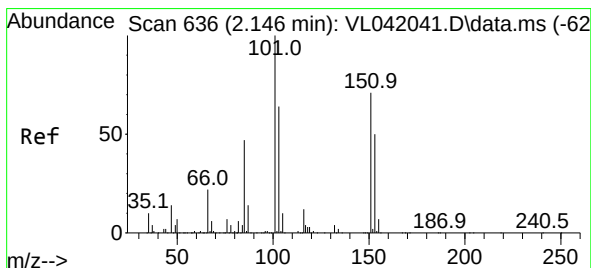
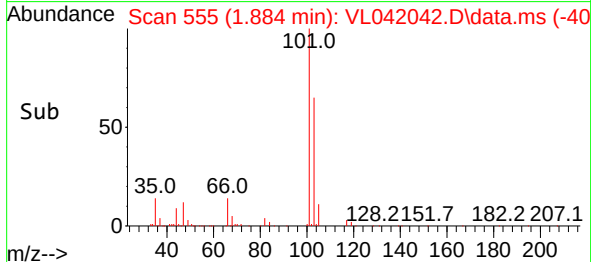
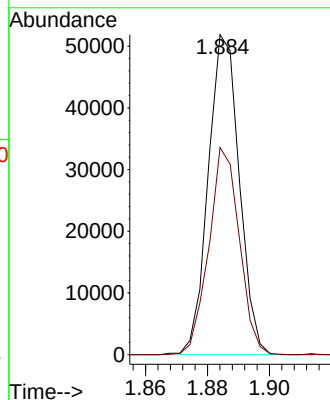
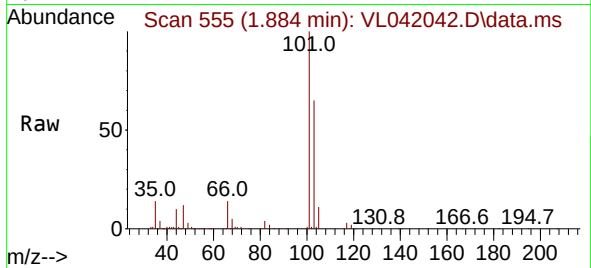
#11
 Trichlorofluoromethane
 Concen: 1.292 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042042.D
 Acq: 25 Feb 2025 09:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:101 Resp: 3604
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.9 79.3

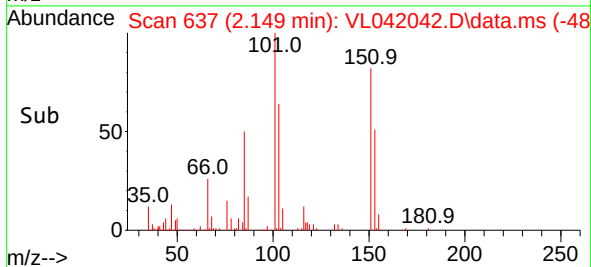
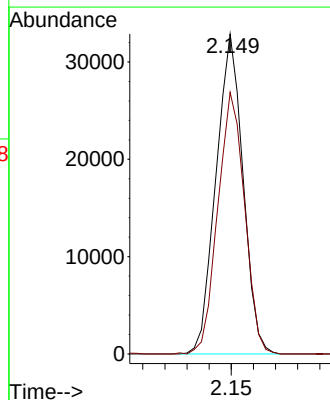
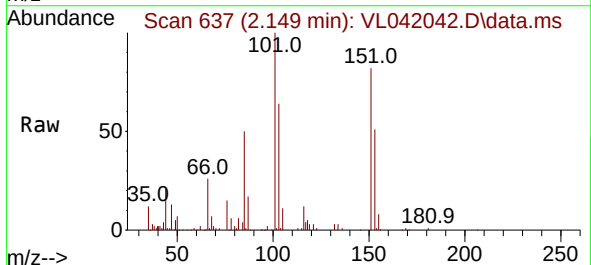
Manual Integrations
 APPROVED

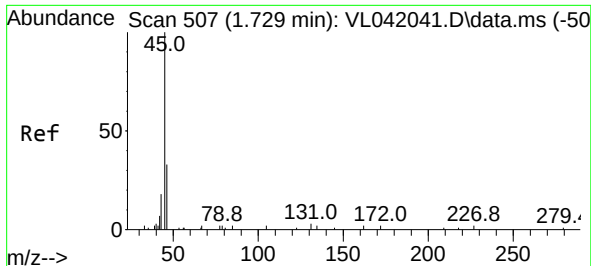
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.280 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. 0.000 min
 Lab File: VL042042.D
 Acq: 25 Feb 2025 09:29

Tgt Ion:101 Resp: 27846
 Ion Ratio Lower Upper
 101 100
 151 81.3 58.2 87.2





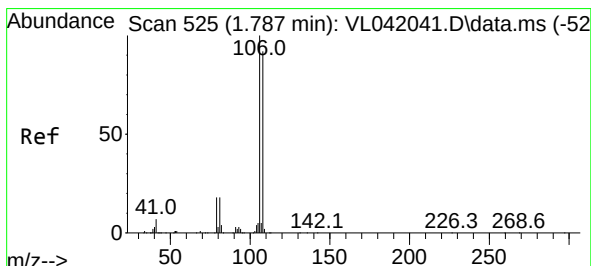
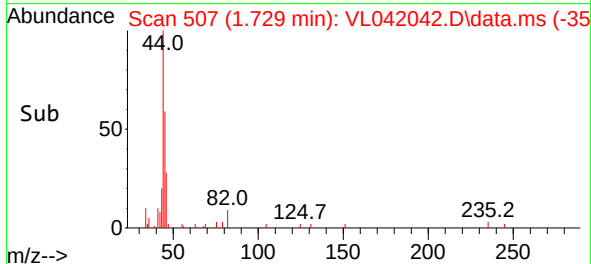
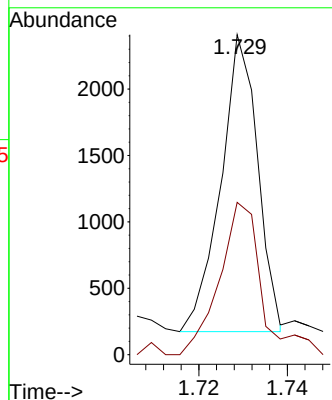
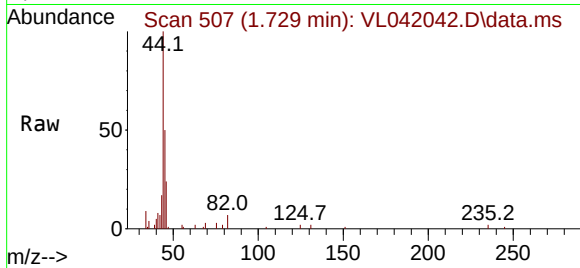
#13
Ethanol
Concen: 0.866 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 45 Resp: 129
Ion Ratio Lower Upper
45 100
46 59.8 21.3 85.1

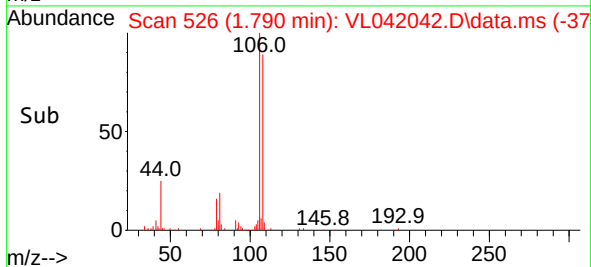
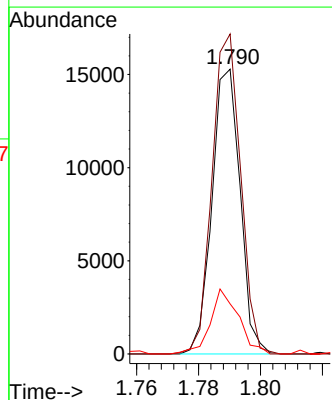
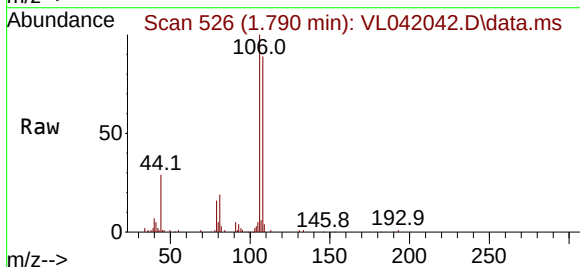
Manual Integrations
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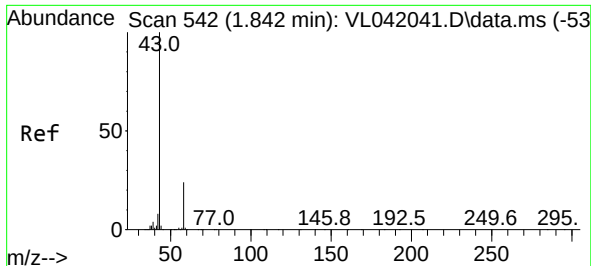
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#14
Bromoethene
Concen: 1.187 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

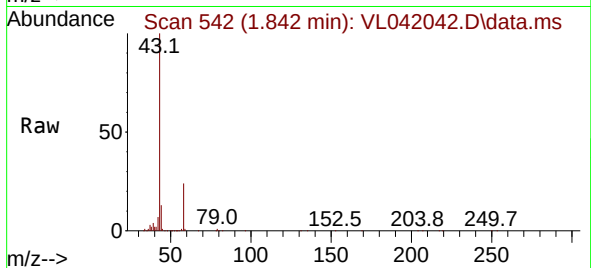
Tgt Ion:108 Resp: 9642
Ion Ratio Lower Upper
108 100
106 114.2 85.0 127.6
79 23.8 17.3 25.9





#15
Acetone
Concen: 1.131 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

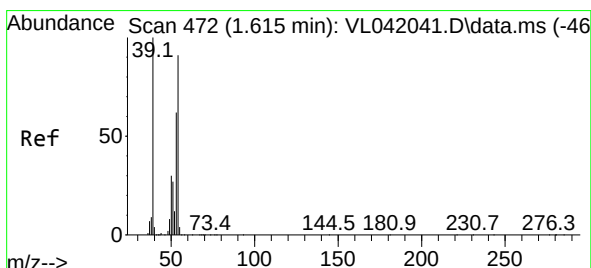
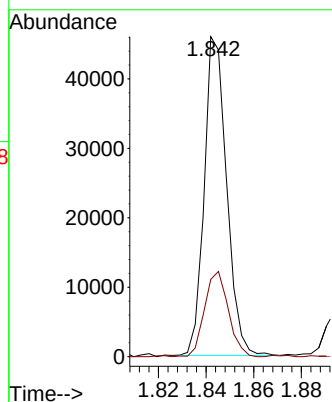
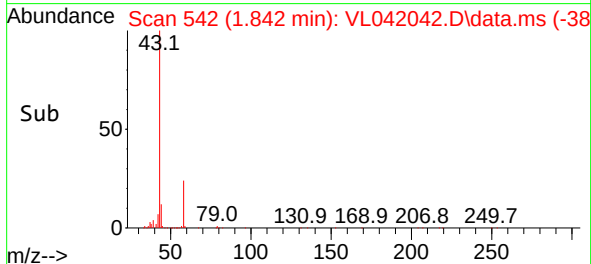
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



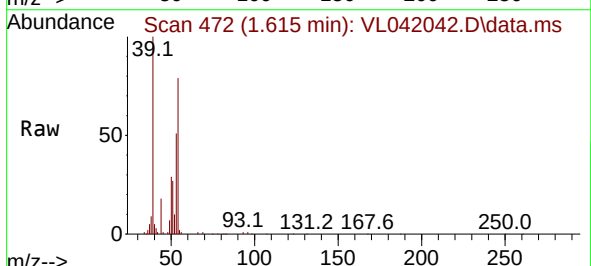
Tgt Ion: 43 Resp: 30058
Ion Ratio Lower Upper
43 100
58 28.8 22.9 34.3

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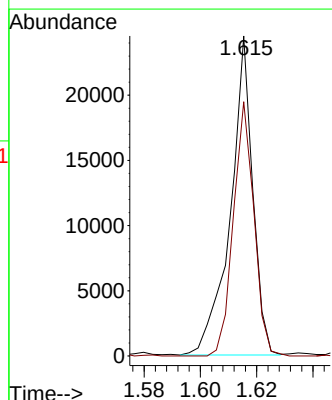
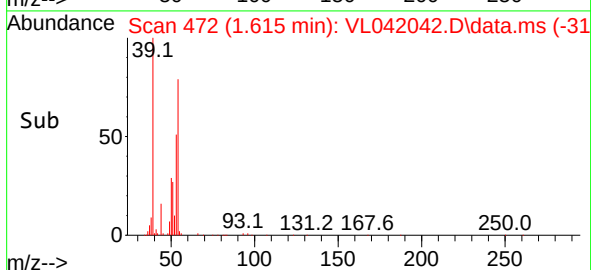
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

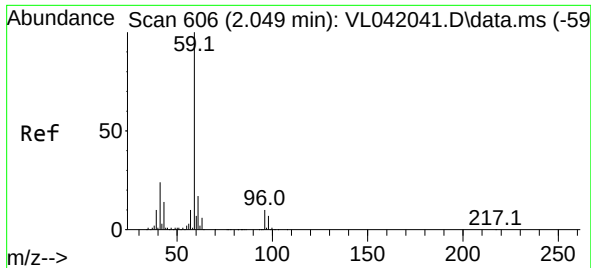


#16
1,3-Butadiene
Concen: 1.069 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29



Tgt Ion: 39 Resp: 13471
Ion Ratio Lower Upper
39 100
54 74.0 59.4 89.2





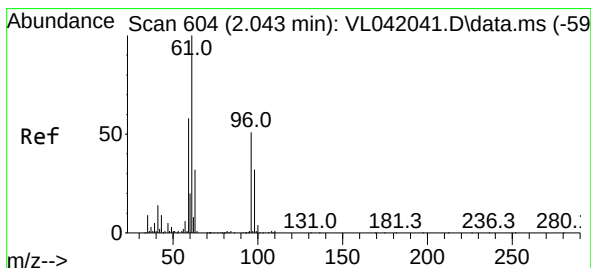
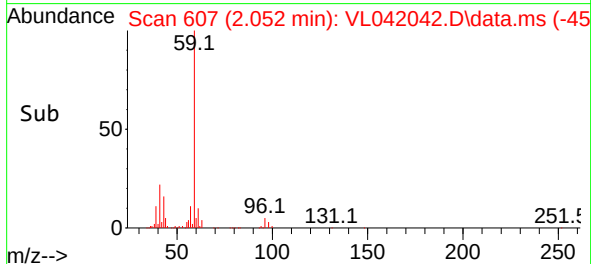
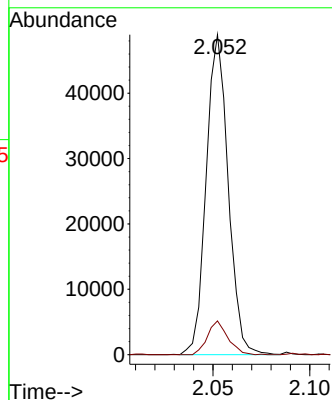
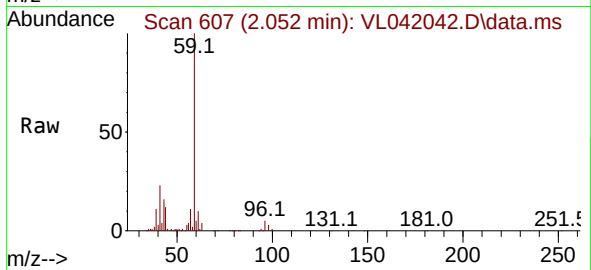
#17
tert-Butyl alcohol
Concen: 1.176 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 38684
Ion Ratio Lower Upper
59 100
57 9.9 9.2 13.8

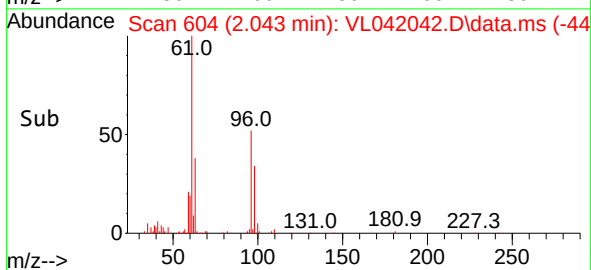
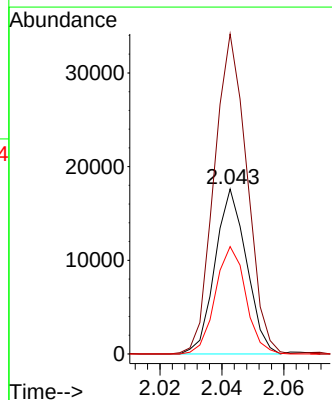
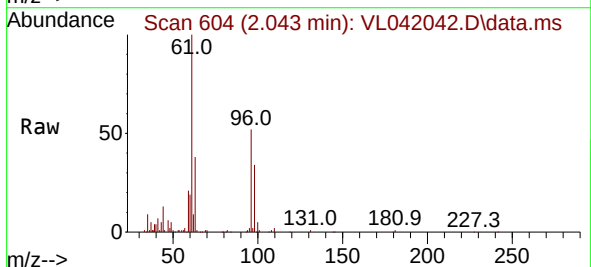
Manual Integrations
APPROVED

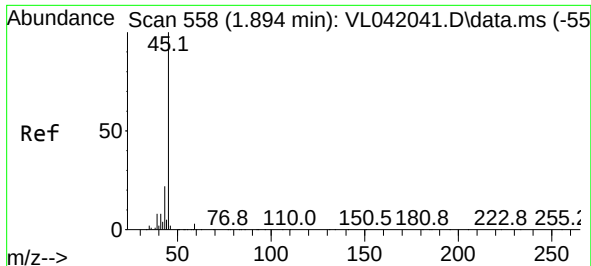
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#18
1,1-Dichloroethene
Concen: 1.195 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

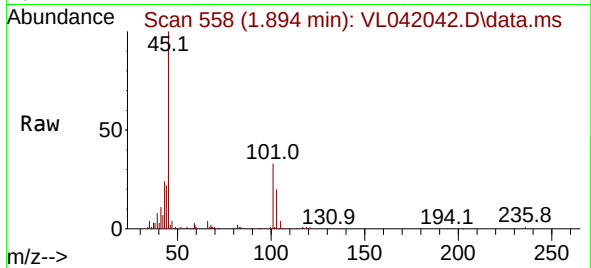
Tgt Ion: 96 Resp: 12417
Ion Ratio Lower Upper
96 100
61 193.2 163.5 245.3
98 65.1 49.4 74.0





#19
Isopropyl Alcohol
Concen: 1.203 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

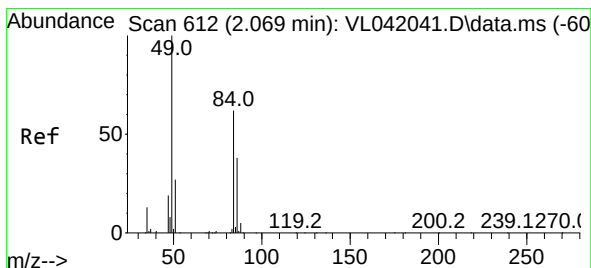
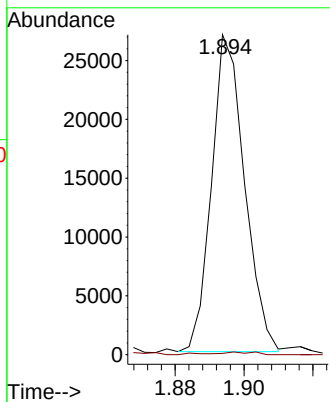
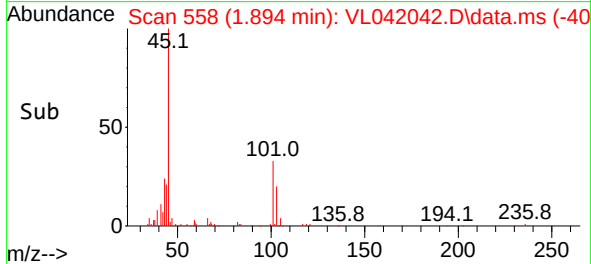
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



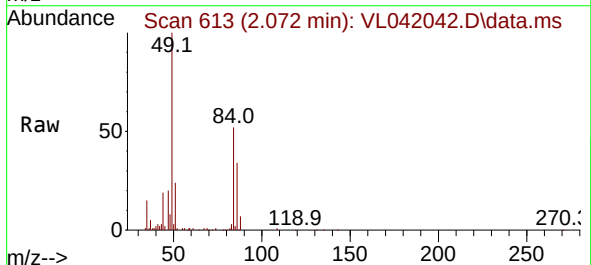
Tgt Ion: 45 Resp: 1792
Ion Ratio Lower Upper
45 100
58 48.2 36.2 54.4

Manual Integrations
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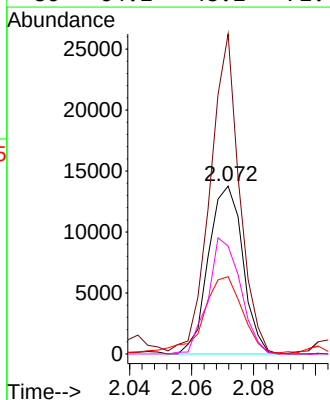
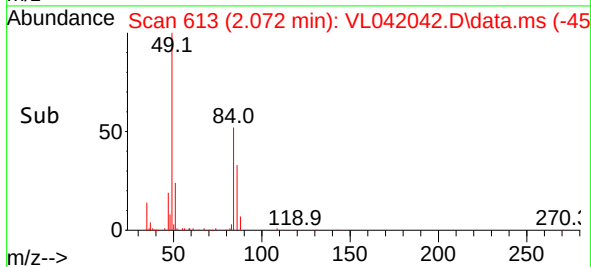
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

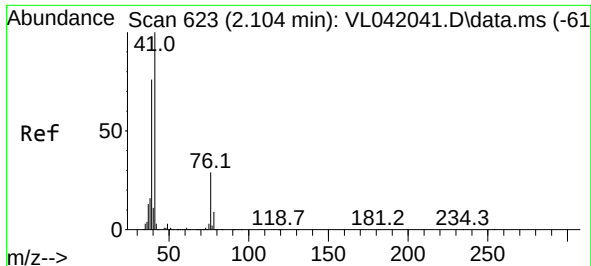


#20
Methylene Chloride
Concen: 1.058 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29



Tgt Ion: 84 Resp: 10587
Ion Ratio Lower Upper
84 100
49 190.7 121.0 181.4#
51 45.4 35.1 52.7
86 64.2 48.2 72.4





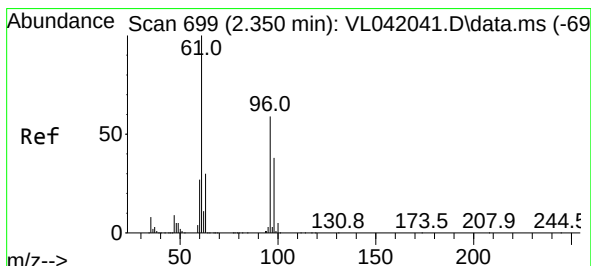
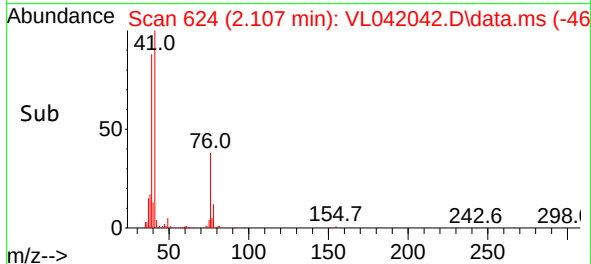
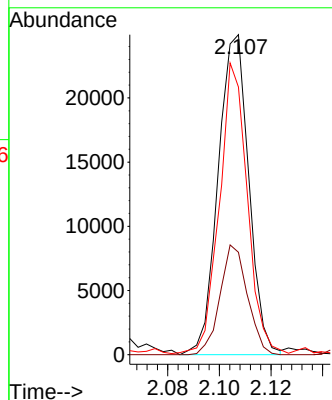
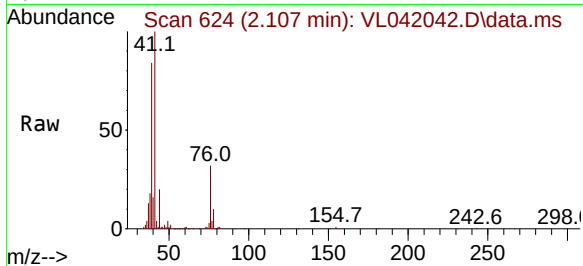
#21
 Allyl Chloride
 Concen: 1.069 ppbv
 RT: 2.107 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL042042.D
 Acq: 25 Feb 2025 09:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 41 Resp: 20564
 Ion Ratio Lower Upper
 41 100
 76 30.7 23.7 35.5
 39 82.6 63.0 94.6

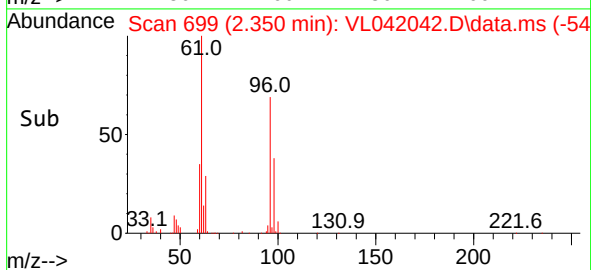
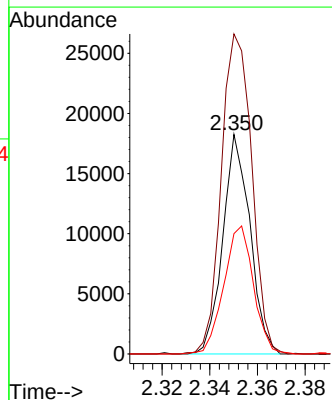
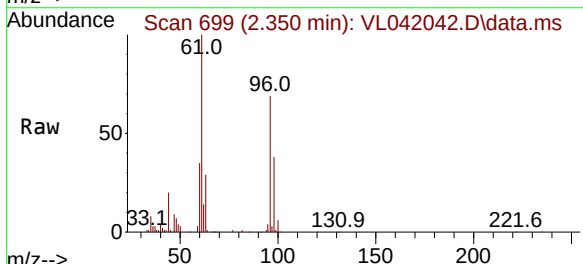
Manual Integrations
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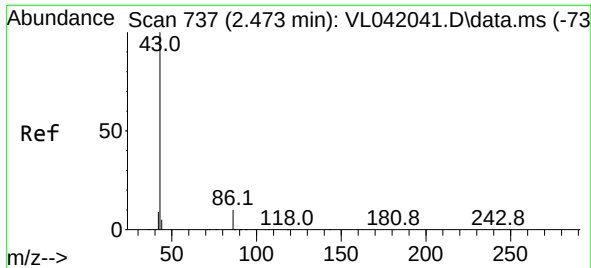
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#22
 trans-1,2-Dichloroethene
 Concen: 1.283 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. 0.000 min
 Lab File: VL042042.D
 Acq: 25 Feb 2025 09:29

Tgt Ion: 96 Resp: 14475
 Ion Ratio Lower Upper
 96 100
 61 145.8 142.3 213.5
 98 54.9 50.2 75.2





#23
 Vinyl Acetate
 Concen: 1.556 ppbv
 RT: 2.473 min Scan# 737
 Delta R.T. 0.000 min
 Lab File: VL042042.D
 Acq: 25 Feb 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

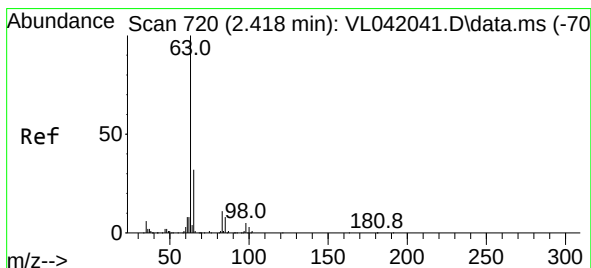
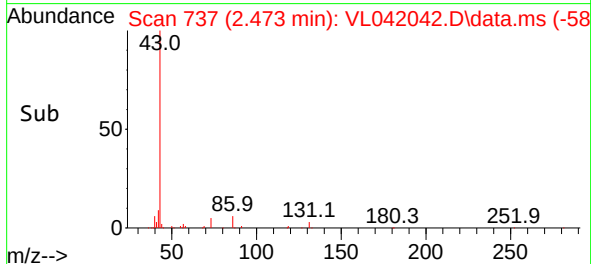
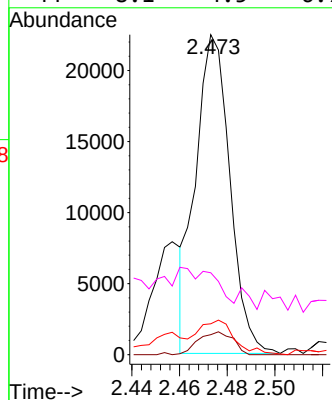
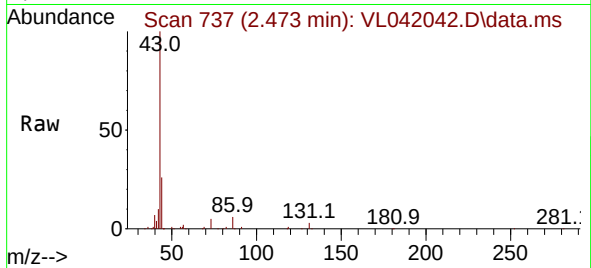
VSTDICC002

Tgt Ion: 43 Resp: 22394
 Ion Ratio Lower Upper
 43 100
 86 6.3 8.1 12.1
 42 9.4 7.5 11.3
 44 8.1 4.5 6.7#

Manual Integrations

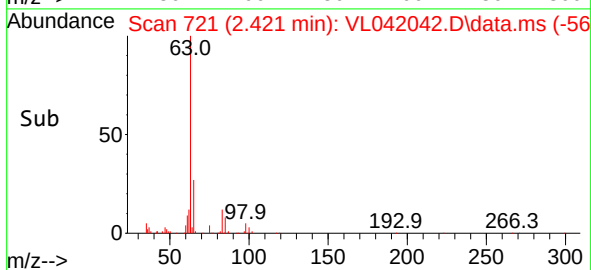
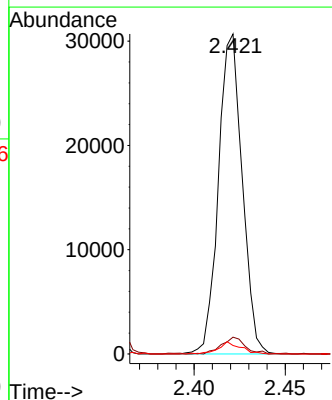
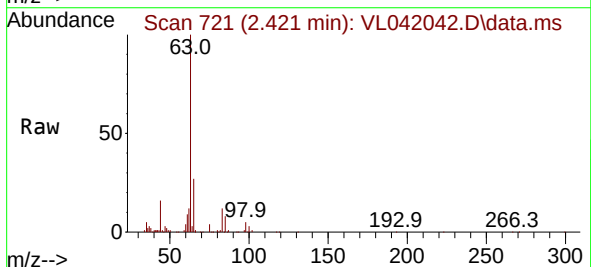
APPROVED

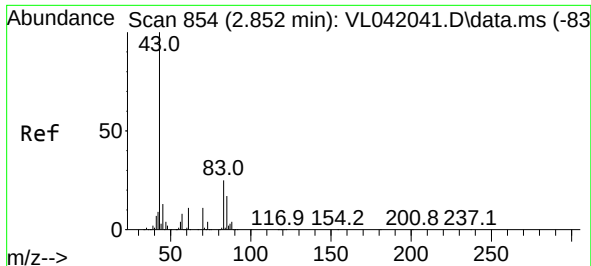
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#24
 1,1-Dichloroethane
 Concen: 1.214 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. 0.003 min
 Lab File: VL042042.D
 Acq: 25 Feb 2025 09:29

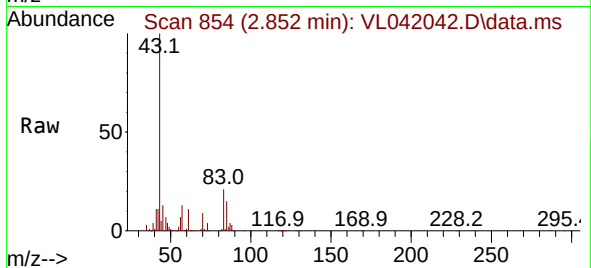
Tgt Ion: 63 Resp: 27804
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.4 7.2
 100 2.7 1.6 4.8





#25
Ethyl Acetate
Concen: 1.667 ppbv
RT: 2.852 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

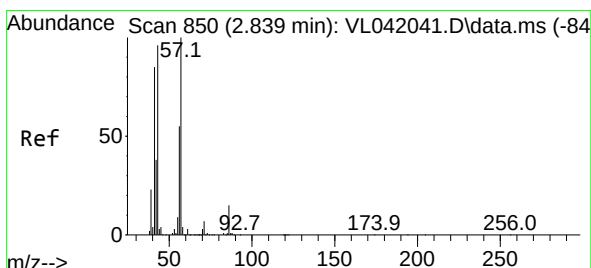
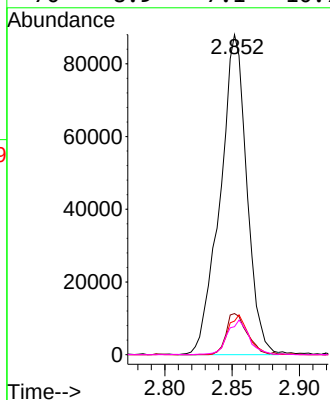
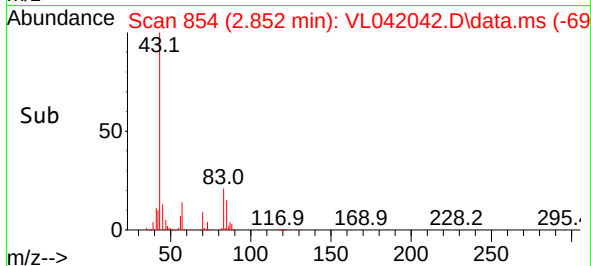


Tgt Ion: 43 Resp: 12159

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.1	12.1
61	9.6	7.5	11.3
70	8.9	7.1	10.7

Manual Integrations
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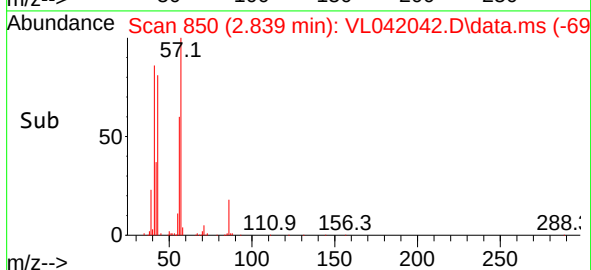
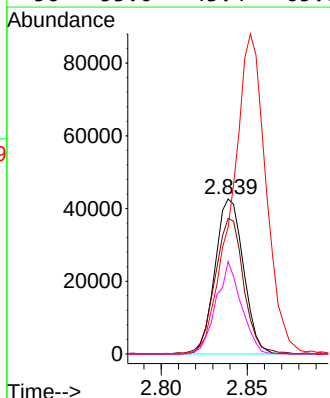
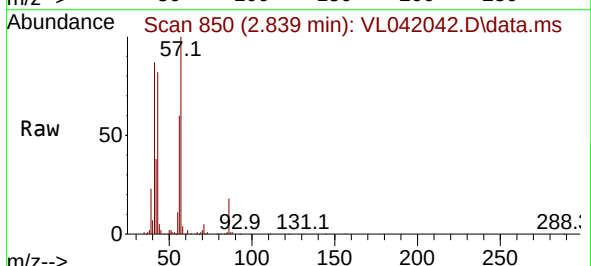
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

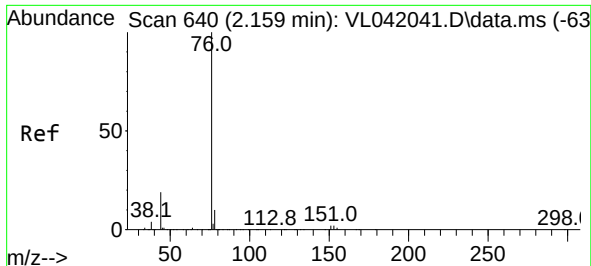


#26
Hexane
Concen: 1.671 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 57 Resp: 48912

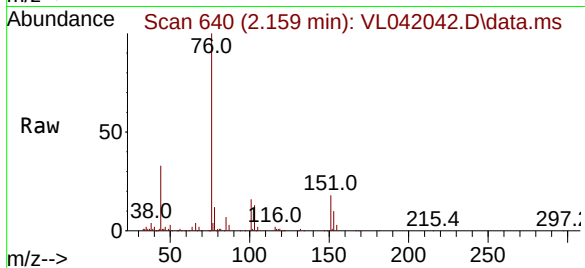
Ion	Ratio	Lower	Upper
57	100		
41	89.0	73.2	109.8
43	249.1	200.8	301.2
56	53.0	43.4	65.0





#27
Carbon Disulfide
Concen: 1.207 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

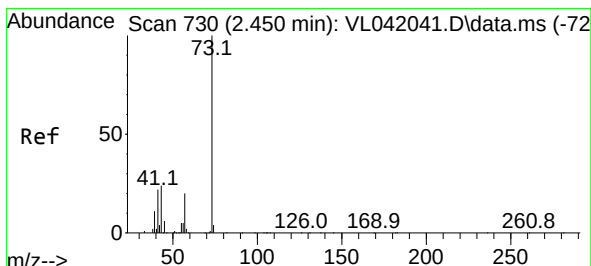
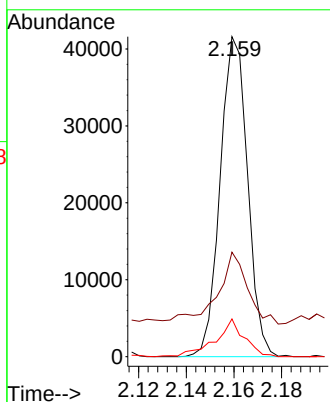
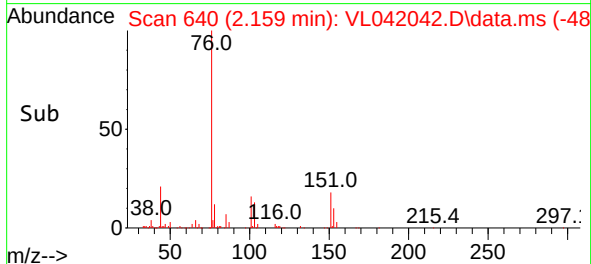
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



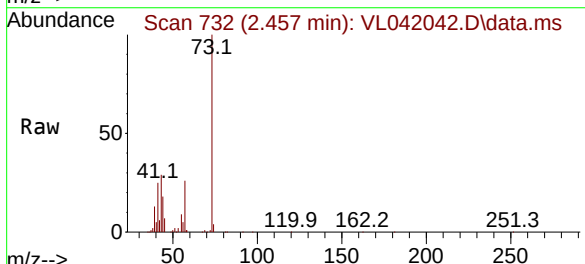
Tgt Ion: 76 Resp: 3322
Ion Ratio Lower Upper
76 100
44 53.5 18.1 27.1
78 12.5 9.5 14.3

Manual Integrations
APPROVED

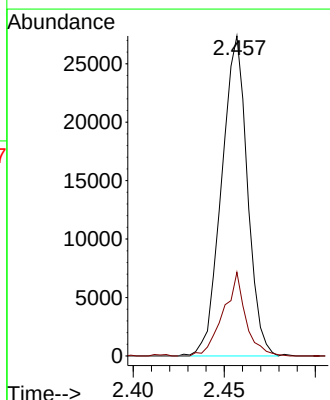
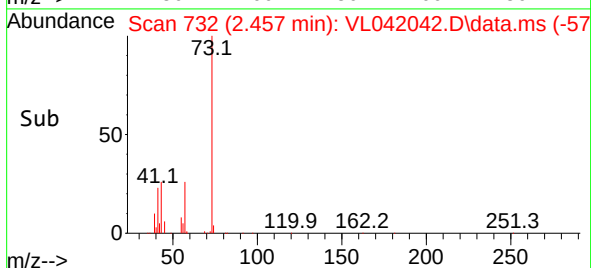
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

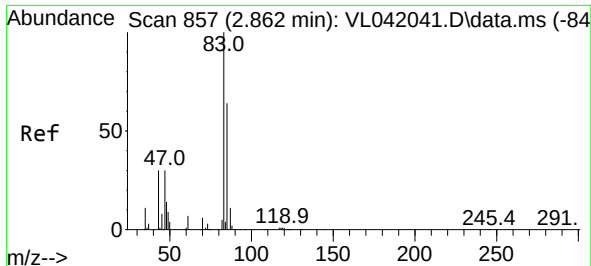


#28
Methyl tert-Butyl Ether
Concen: 1.507 ppbv
RT: 2.457 min Scan# 732
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29



Tgt Ion: 73 Resp: 26968
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5





#29

Chloroform

Concen: 1.497 ppbv

RT: 2.865 min Scan# 857

Delta R.T. 0.003 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 83 Resp: 6346

Ion Ratio Lower Upper

83 100

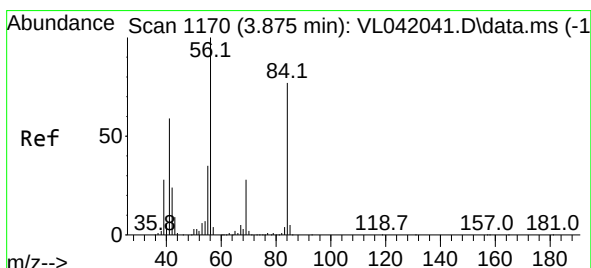
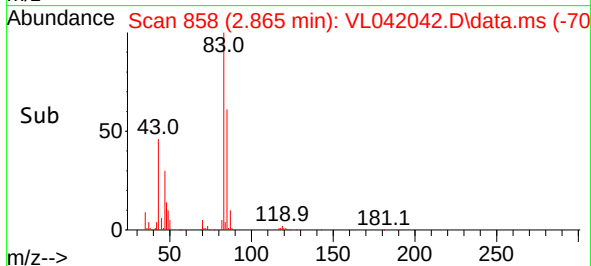
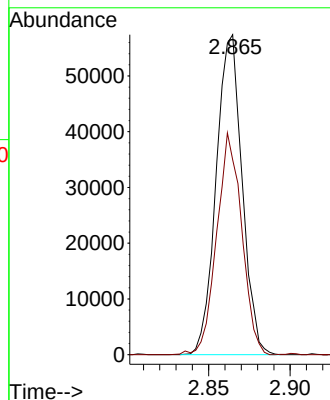
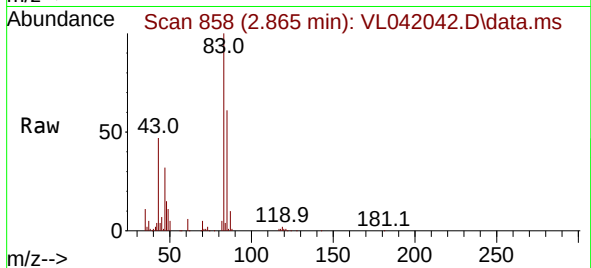
85 60.8 53.8 80.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#30

Cyclohexane

Concen: 1.702 ppbv

RT: 3.878 min Scan# 1171

Delta R.T. 0.003 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

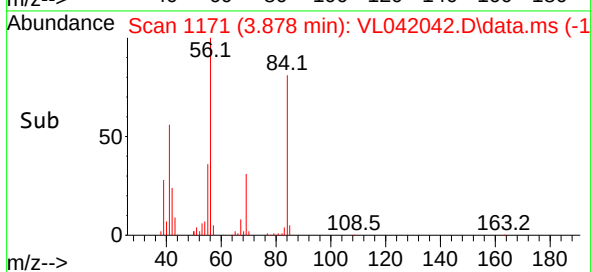
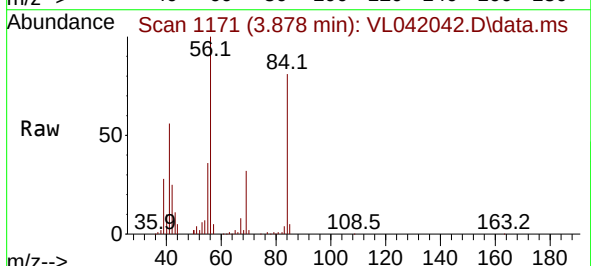
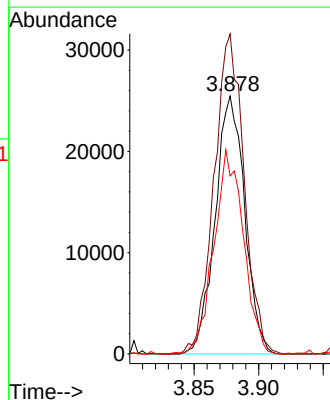
Tgt Ion: 84 Resp: 40420

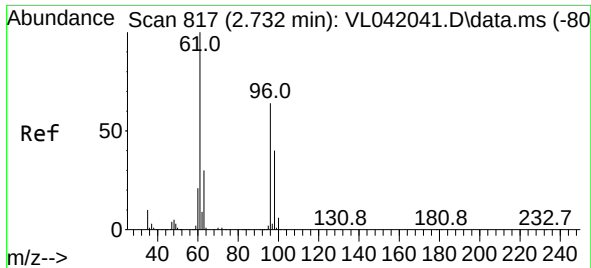
Ion Ratio Lower Upper

84 100

56 125.8 99.5 149.3

41 79.4 62.2 93.2





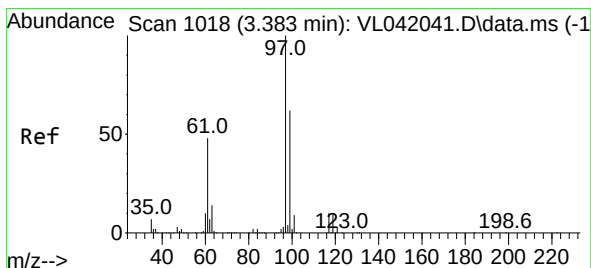
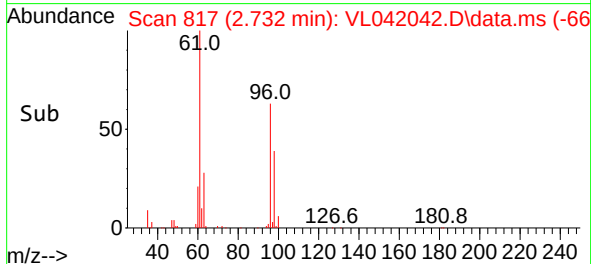
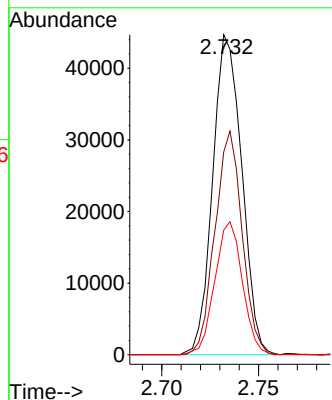
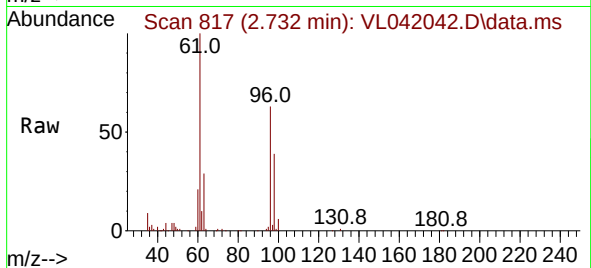
#31
 cis-1,2-Dichloroethene
 Concen: 1.614 ppbv
 RT: 2.732 min Scan# 817
 Delta R.T. 0.000 min
 Lab File: VL042042.D
 Acq: 25 Feb 2025 09:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 61 Resp: 46690
 Ion Ratio Lower Upper
 61 100
 96 63.4 51.6 77.4
 98 38.9 34.8 52.2

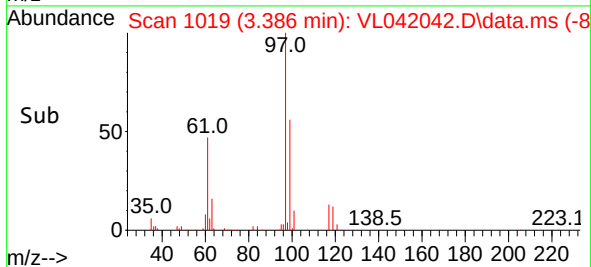
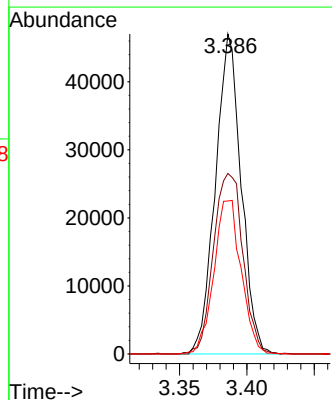
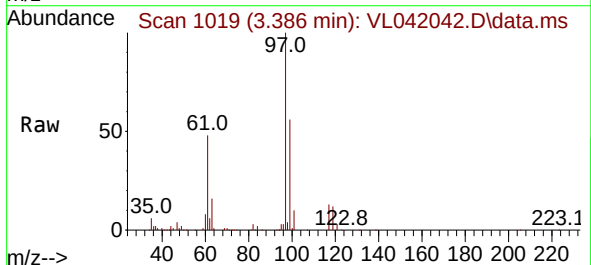
Manual Integrations
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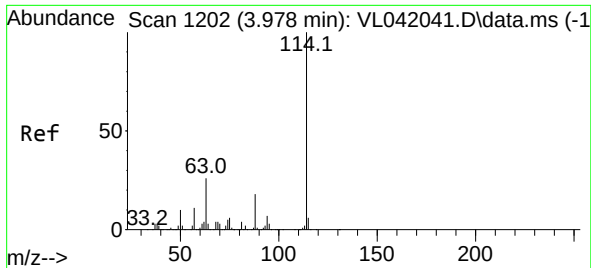
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#32
 1,1,1-Trichloroethane
 Concen: 1.331 ppbv
 RT: 3.386 min Scan# 1019
 Delta R.T. 0.003 min
 Lab File: VL042042.D
 Acq: 25 Feb 2025 09:29

Tgt Ion: 97 Resp: 62586
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.0 76.4
 61 50.9 37.9 56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:114 Resp: 42705

Ion Ratio Lower Upper

114 100

63 25.1 20.2 30.2

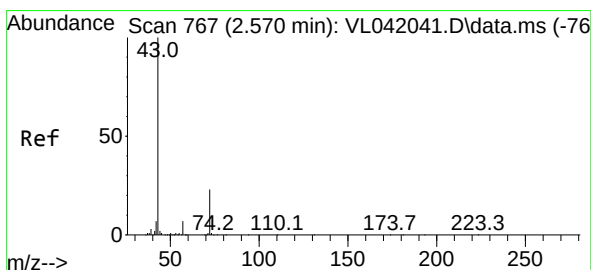
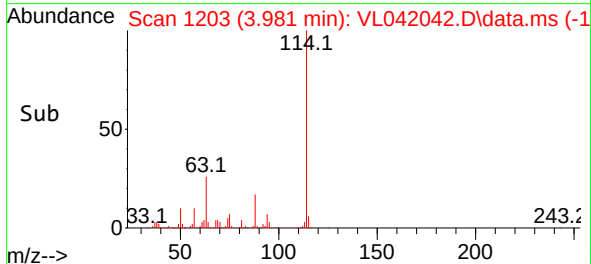
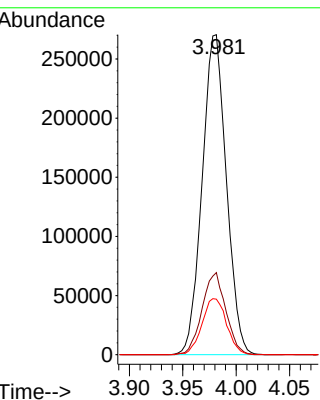
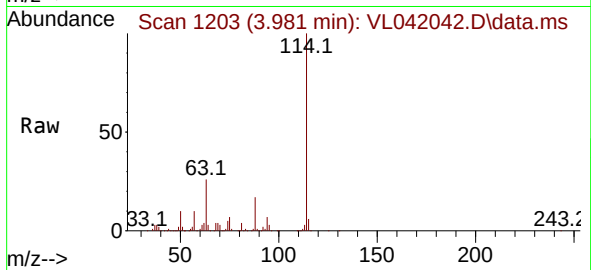
88 17.8 14.4 21.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#34

2-Butanone

Concen: 1.888 ppbv

RT: 2.573 min Scan# 768

Delta R.T. 0.003 min

Lab File: VL042042.D

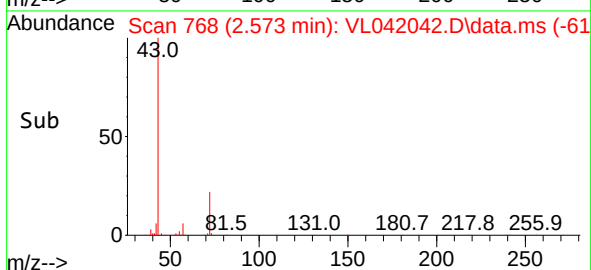
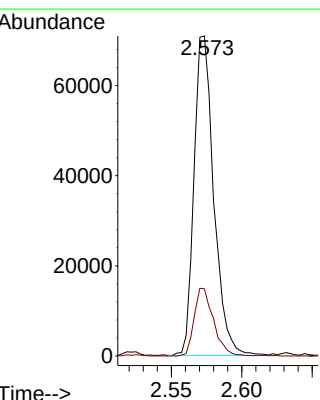
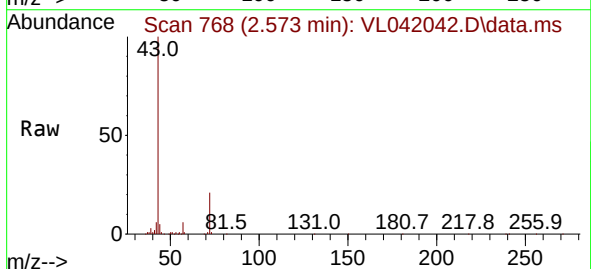
Acq: 25 Feb 2025 09:29

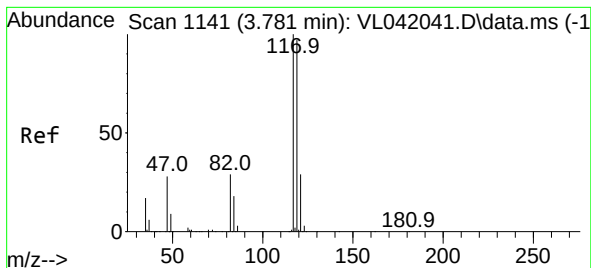
Tgt Ion: 43 Resp: 69370

Ion Ratio Lower Upper

43 100

72 20.7 18.3 27.5





#35

Carbon Tetrachloride

Concen: 1.493 ppbv

RT: 3.784 min Scan# 1141

Delta R.T. 0.003 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

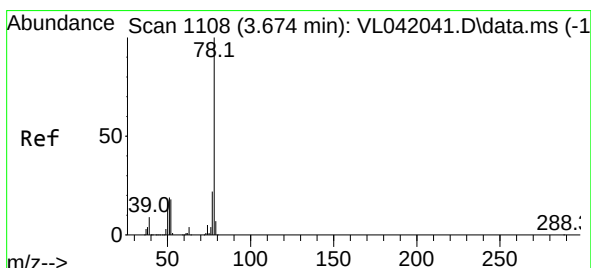
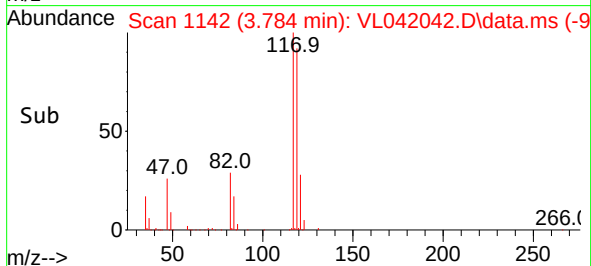
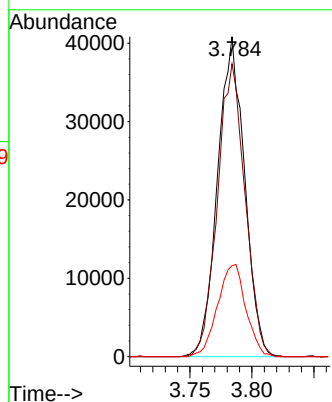
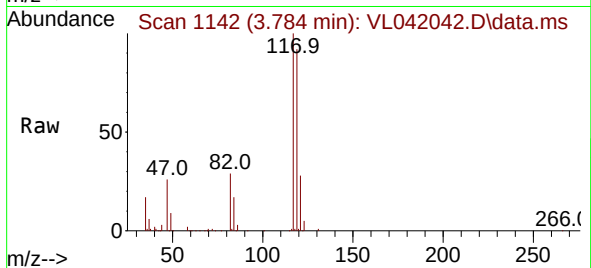
VSTDIC002

Tgt Ion:	117	Resp:	6189
Ion	Ratio	Lower	Upper
117	100		
119	91.5	75.8	113.6
121	28.5	24.6	36.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#36

Benzene

Concen: 1.822 ppbv

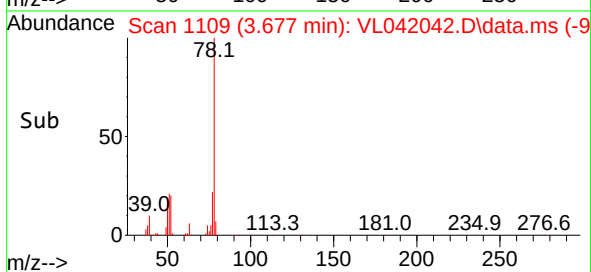
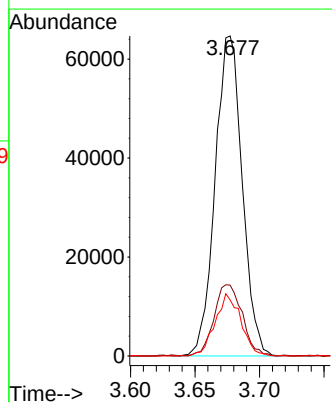
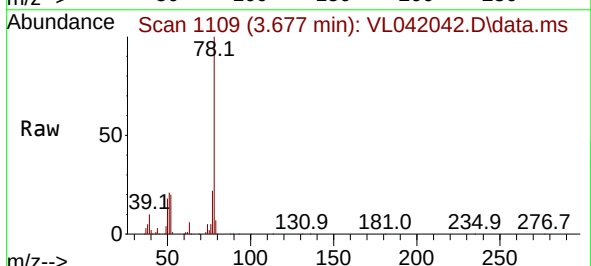
RT: 3.677 min Scan# 1109

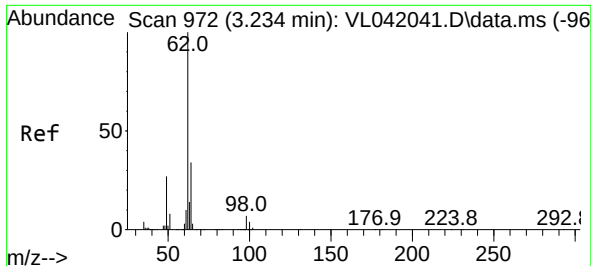
Delta R.T. 0.003 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Tgt Ion:	78	Resp:	94277
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: 1.734 ppbv

RT: 3.237 min Scan# 91

Delta R.T. 0.003 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 62 Resp: 51050

Ion Ratio Lower Upper

62 100

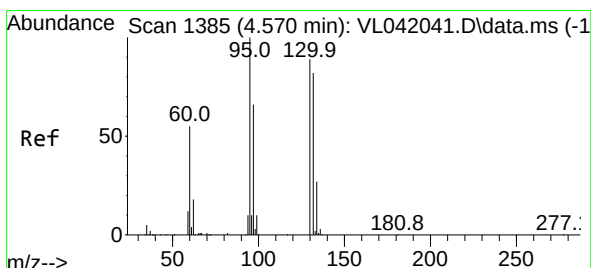
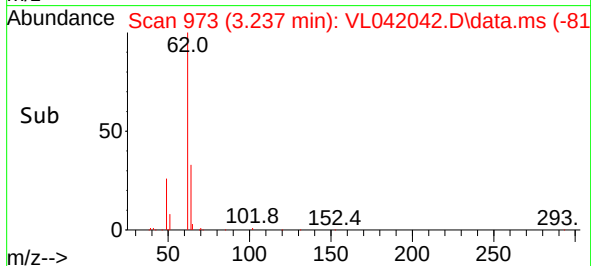
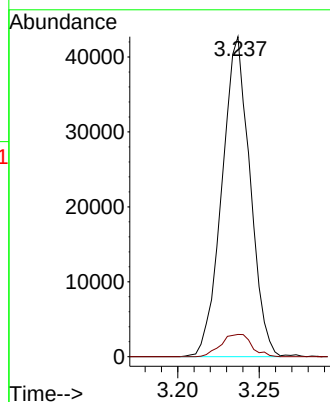
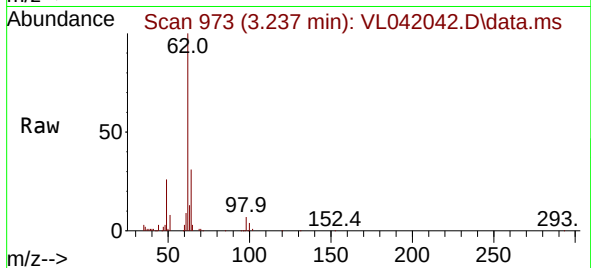
98 7.6 5.7 8.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#38

Trichloroethene

Concen: 1.817 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. 0.007 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Tgt Ion:130 Resp: 38184

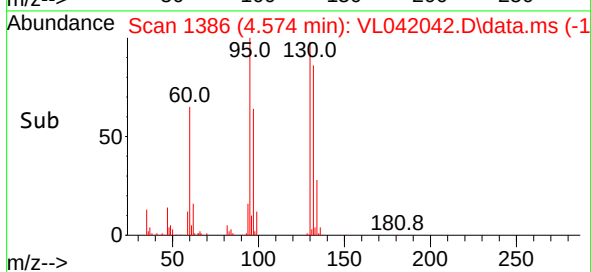
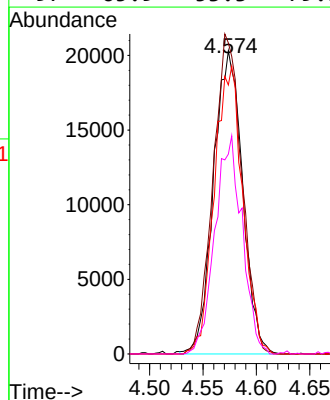
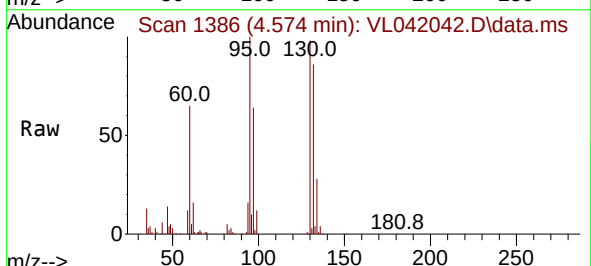
Ion Ratio Lower Upper

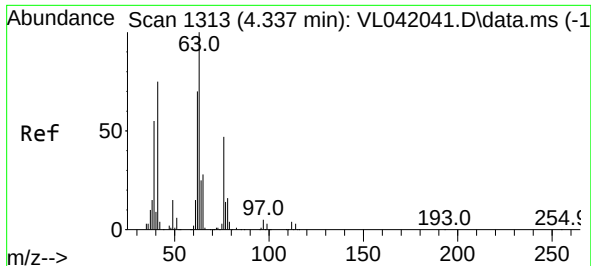
130 100

95 102.6 82.8 124.2

132 88.7 70.0 105.0

97 65.9 53.3 79.9





#39

1,2-Dichloropropane

Concen: 1.866 ppbv

RT: 4.341 min Scan# 1313

Delta R.T. 0.007 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

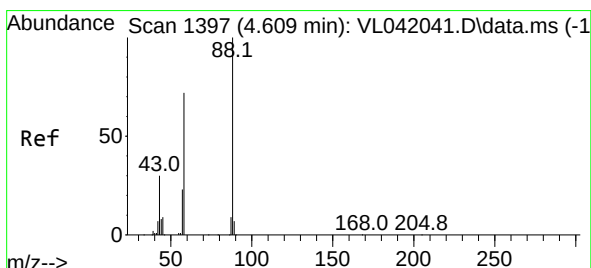
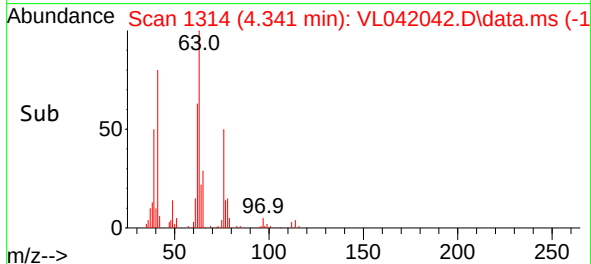
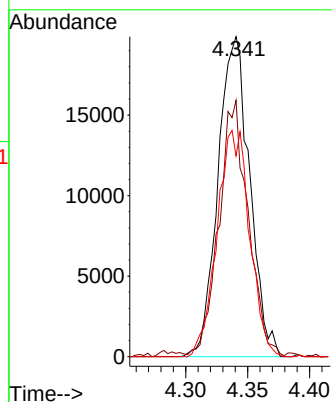
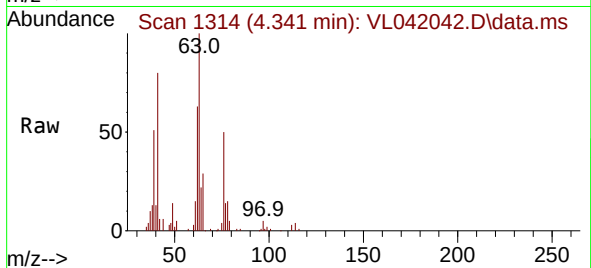
Tgt Ion: 63 Resp: 35390

Ion	Ratio	Lower	Upper
63	100		
41	79.2	60.1	90.1
62	62.8	54.0	81.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#40

1,4-Dioxane

Concen: 1.565 ppbv

RT: 4.622 min Scan# 1401

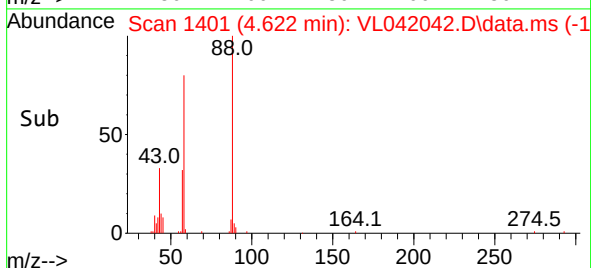
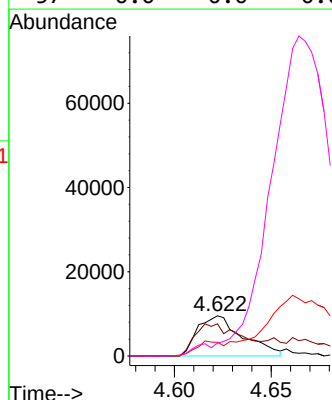
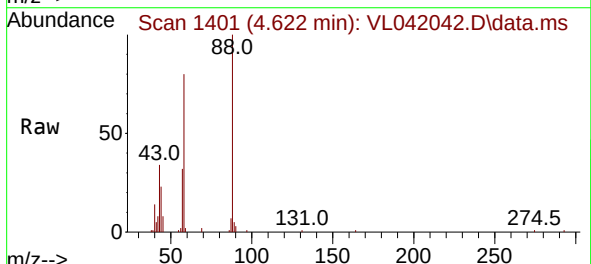
Delta R.T. 0.013 min

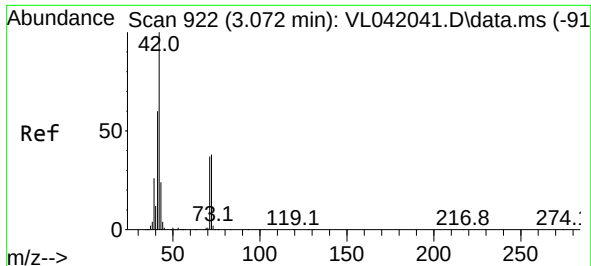
Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Tgt Ion: 88 Resp: 15442

Ion	Ratio	Lower	Upper
88	100		
58	138.2	58.1	87.1#
43	0.0	27.3	40.9#
57	0.0	0.0	0.0





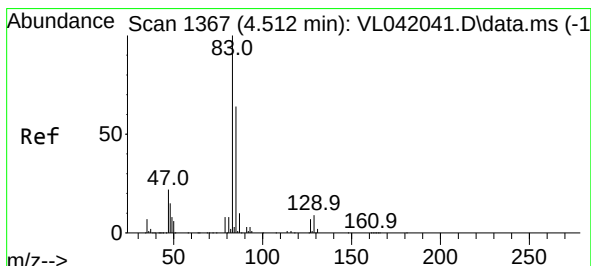
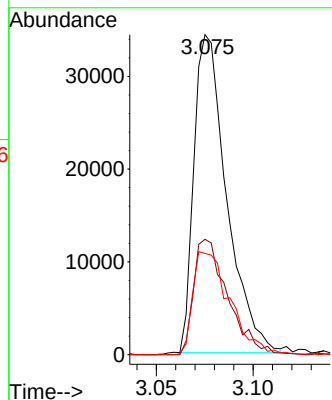
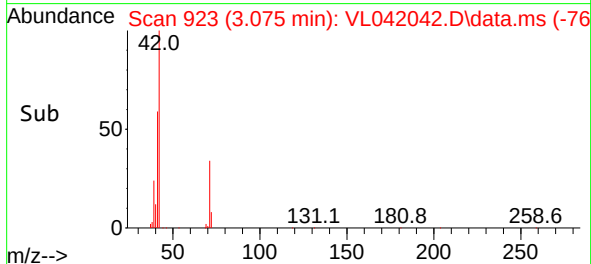
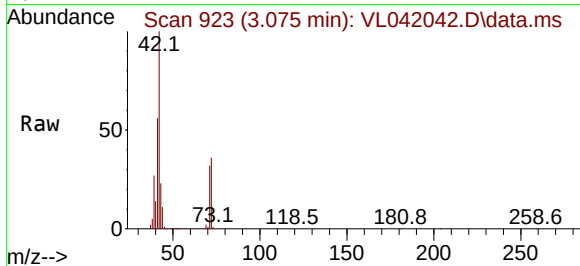
#41
Tetrahydrofuran
Concen: 1.922 ppbv
RT: 3.075 min Scan# 91
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 42 Resp: 4036
Ion Ratio Lower Upper
42 100
72 37.9 32.3 48.5
71 36.7 30.9 46.3

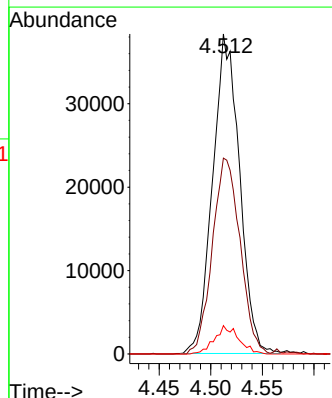
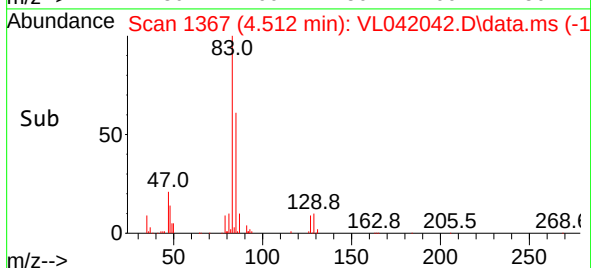
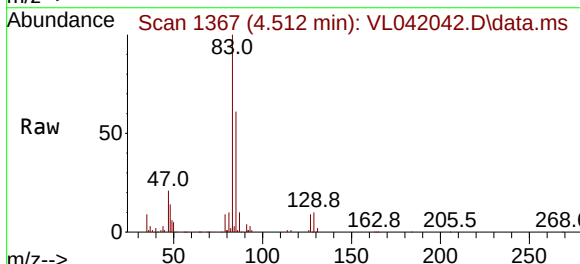
Manual Integrations
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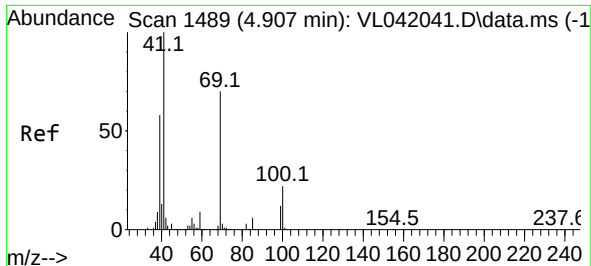
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#42
Bromodichloromethane
Concen: 1.733 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

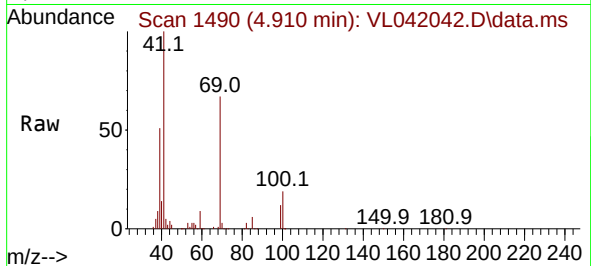
Tgt Ion: 83 Resp: 69154
Ion Ratio Lower Upper
83 100
85 61.3 53.3 79.9
127 8.9 6.0 9.0





#43
Methyl Methacrylate
Concen: 1.543 ppbv
RT: 4.910 min Scan# 1489
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

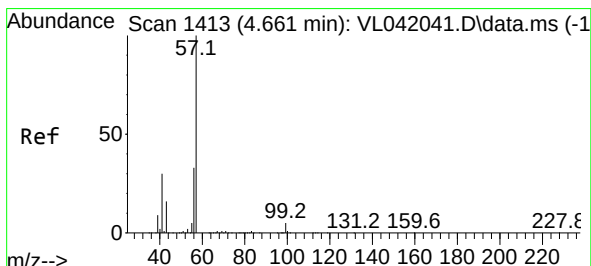
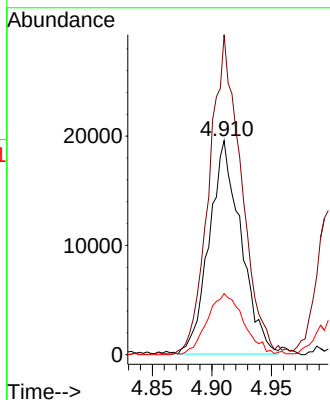
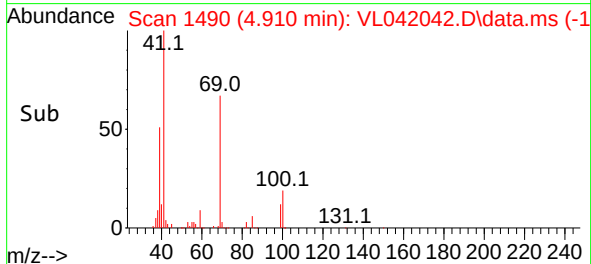
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



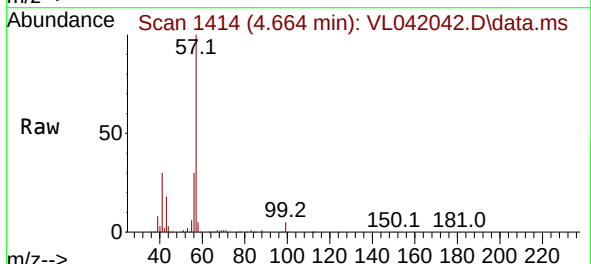
Tgt Ion: 69 Resp: 3639
Ion Ratio Lower Upper
69 100
41 151.7 114.9 172.3
100 33.0 28.8 43.2

Manual Integrations
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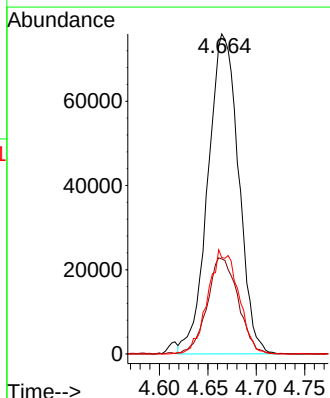
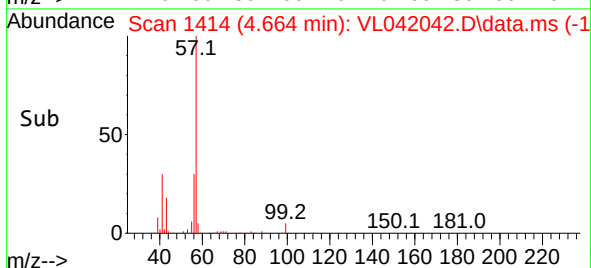
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

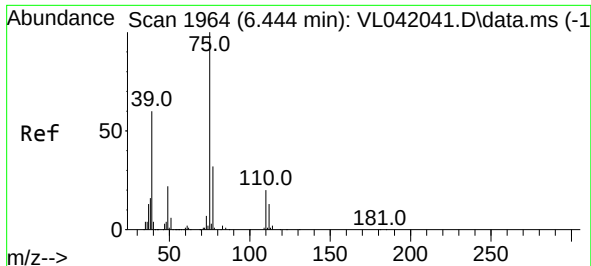


#44
2,2,4-Trimethylpentane
Concen: 1.901 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29



Tgt Ion: 57 Resp: 166945
Ion Ratio Lower Upper
57 100
41 30.6 25.9 38.9
56 32.5 24.9 37.3





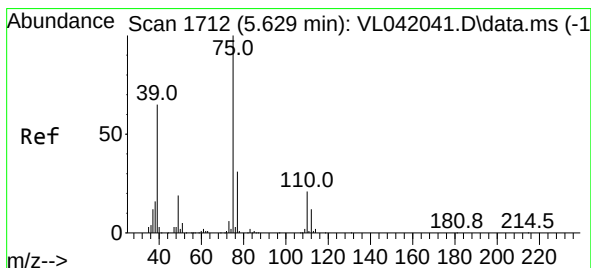
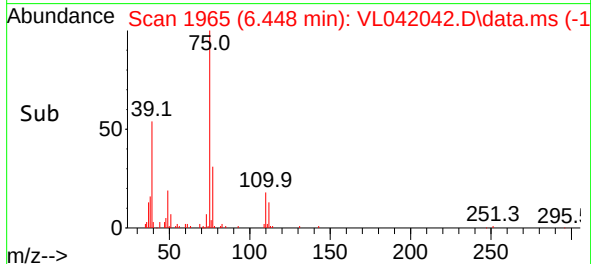
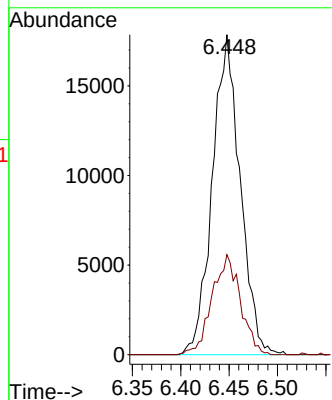
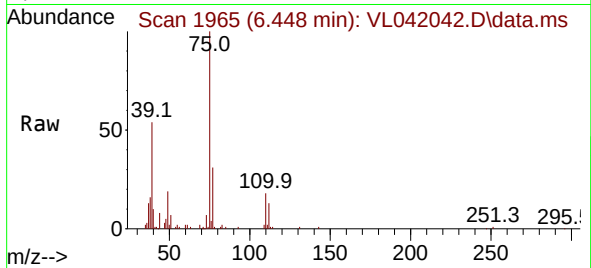
#45
t-1,3-Dichloropropene
Concen: 1.604 ppbv
RT: 6.448 min Scan# 1964
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 3570
Ion Ratio Lower Upper
75 100
77 31.3 22.1 33.1

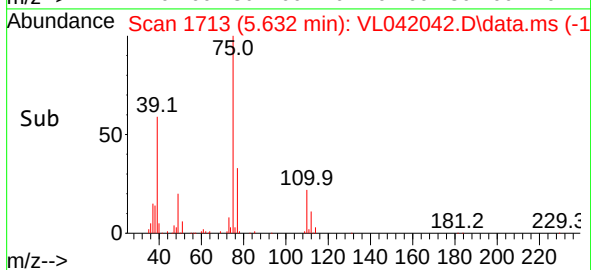
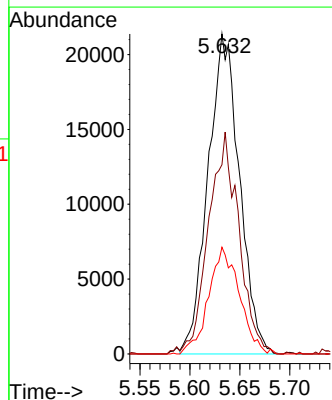
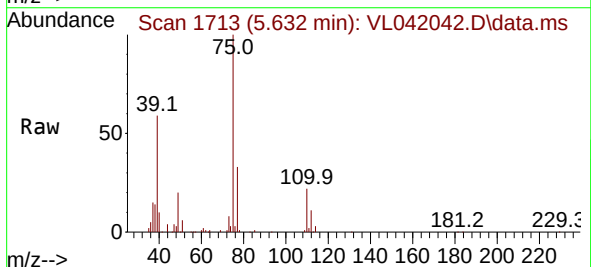
Manual Integrations
APPROVED

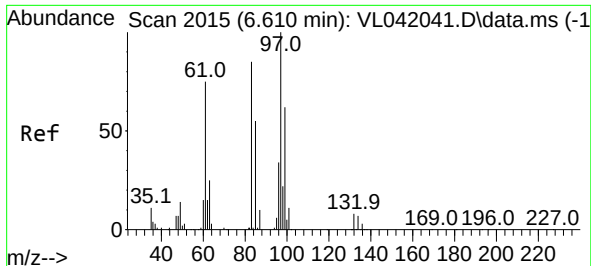
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#46
cis-1,3-Dichloropropene
Concen: 1.658 ppbv
RT: 5.632 min Scan# 1713
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 75 Resp: 46835
Ion Ratio Lower Upper
75 100
39 59.1 52.2 78.4
77 33.4 24.5 36.7





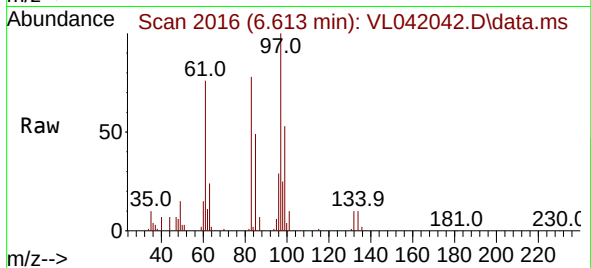
#47
1,1,2-Trichloroethane
Concen: 1.822 ppbv
RT: 6.613 min Scan# 2015
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

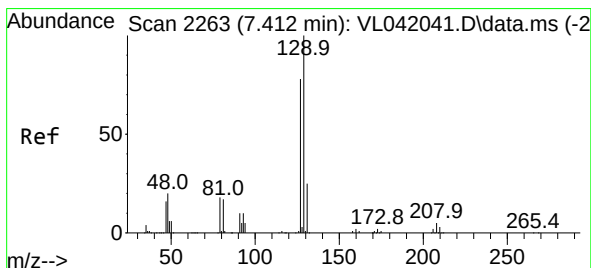
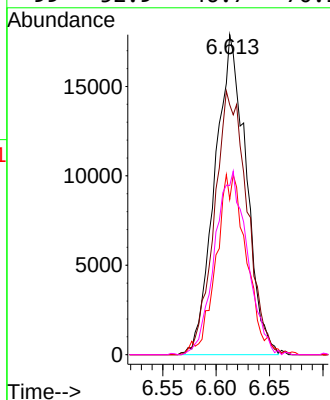
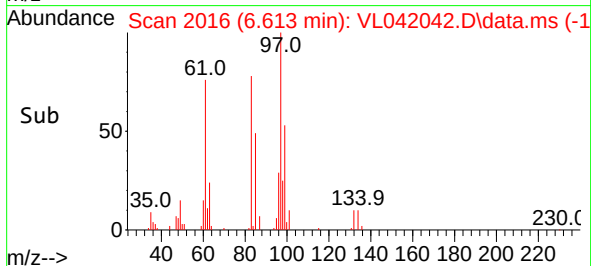


Tgt Ion: 97 Resp: 3636
Ion Ratio Lower Upper
97 100
83 78.1 68.6 102.8
85 48.5 42.2 63.4
99 52.9 46.7 70.1

Manual Integrations

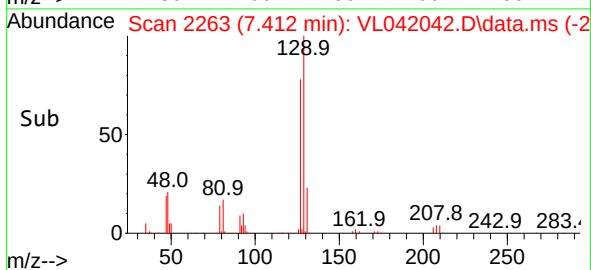
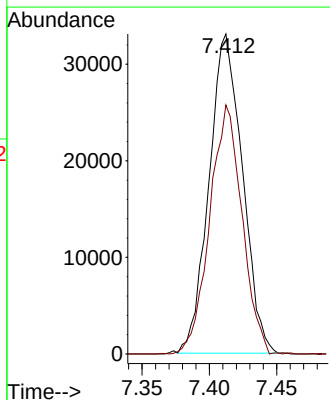
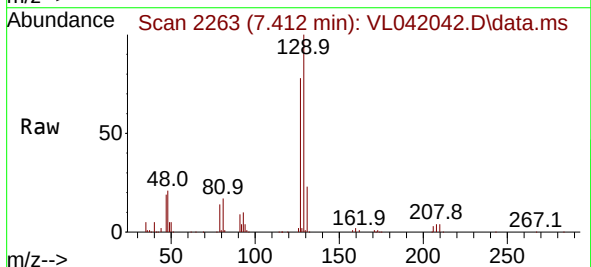
APPROVED

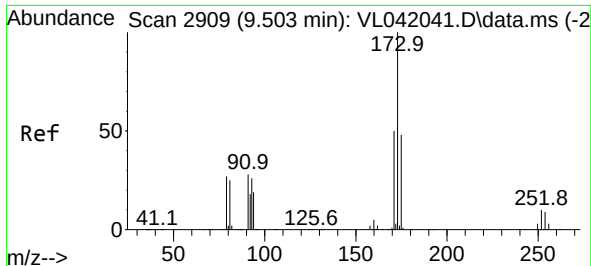
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#48
Dibromochloromethane
Concen: 1.703 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:129 Resp: 56931
Ion Ratio Lower Upper
129 100
127 75.6 38.2 114.6





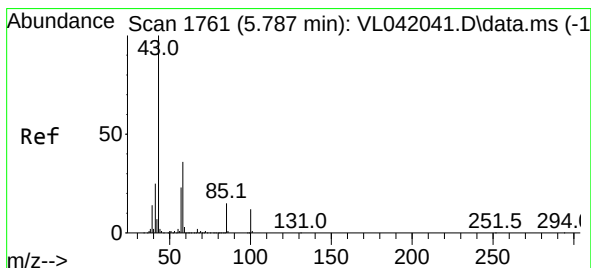
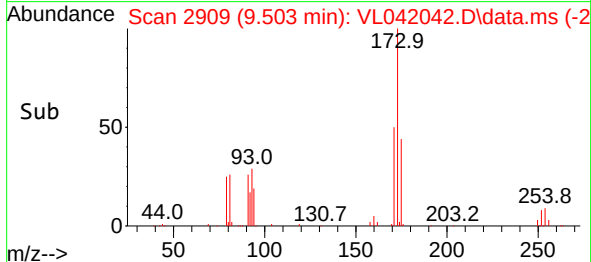
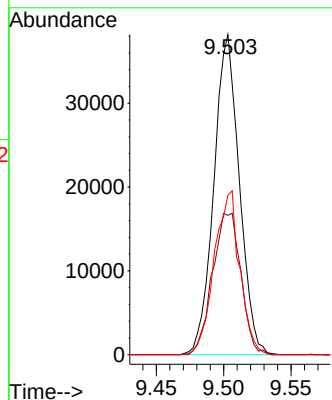
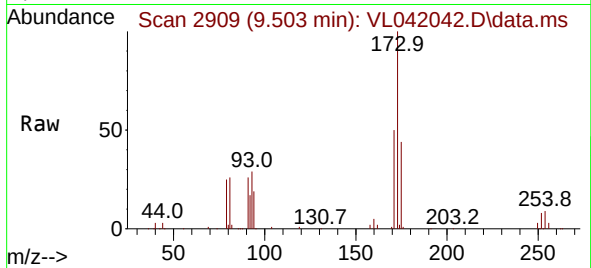
#49
Bromoform
Concen: 1.833 ppbv
RT: 9.503 min Scan# 2909
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 173 Resp: 50259
Ion Ratio Lower Upper
173 100
175 49.3 39.3 58.9
171 51.1 41.4 62.2

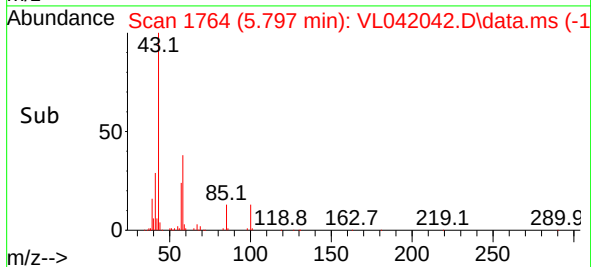
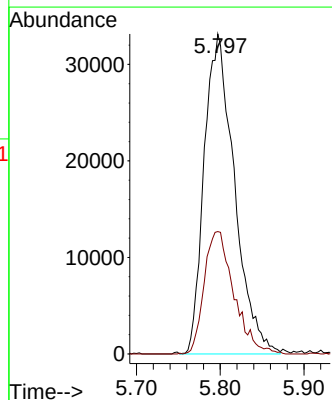
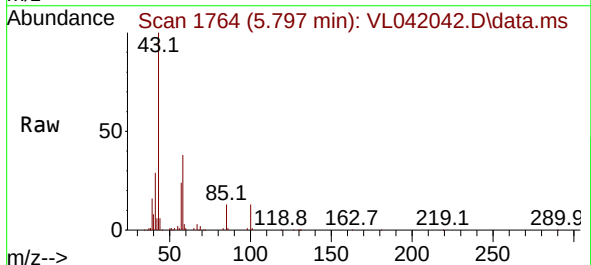
Manual Integrations
APPROVED

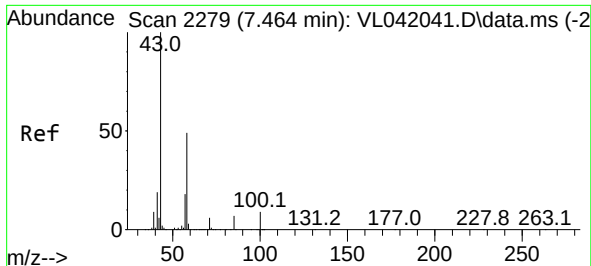
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#50
4-Methyl-2-Pentanone
Concen: 1.474 ppbv
RT: 5.797 min Scan# 1764
Delta R.T. 0.013 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

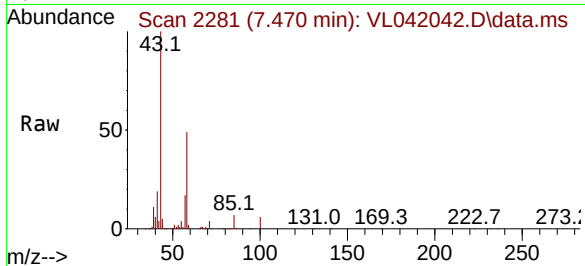
Tgt Ion: 43 Resp: 83246
Ion Ratio Lower Upper
43 100
58 37.6 29.4 44.0





#51
2-Hexanone
Concen: 1.124 ppbv
RT: 7.470 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

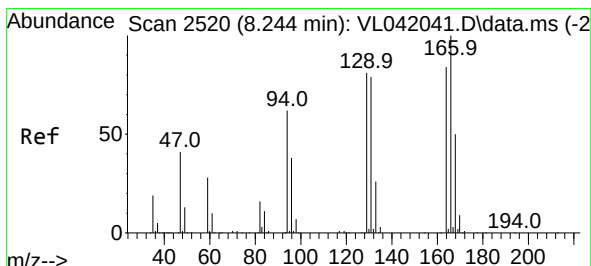
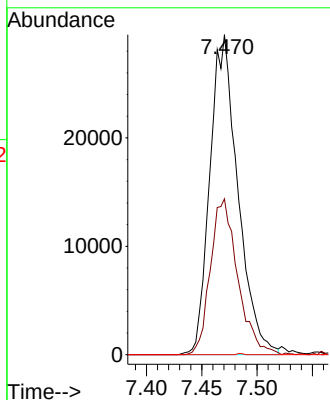
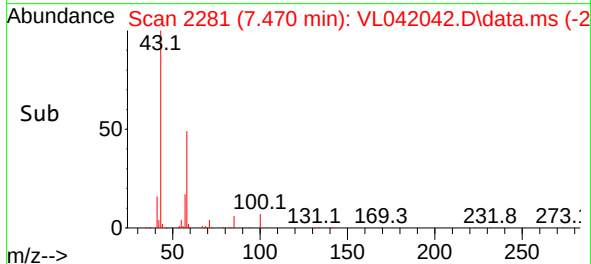
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 43 Resp: 51920
Ion Ratio Lower Upper
43 100
58 47.5 41.4 62.0
98 0.0 0.0 0.0

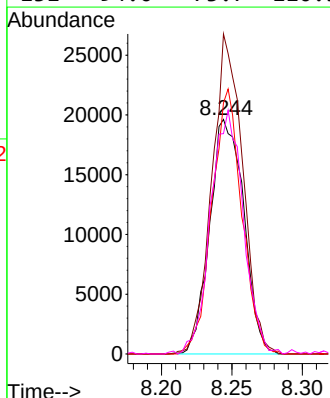
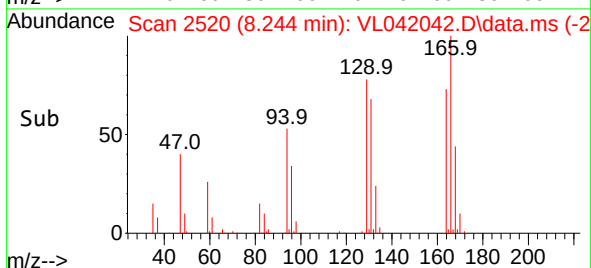
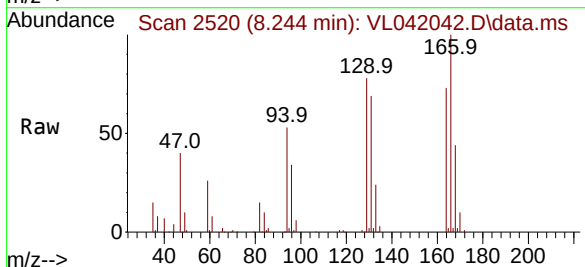
Manual Integrations
APPROVED

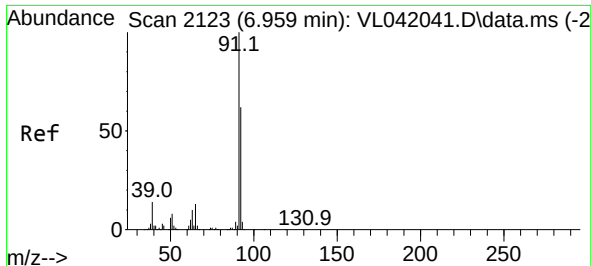
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#52
Tetrachloroethene
Concen: 1.822 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:164 Resp: 32874
Ion Ratio Lower Upper
164 100
166 136.1 102.2 153.2
129 107.1 82.2 123.4
131 94.0 73.7 110.5





#53

Toluene

Concen: 1.779 ppbv

RT: 6.962 min Scan# 2123

Delta R.T. 0.007 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 91 Resp: 109640

Ion Ratio Lower Upper

91 100

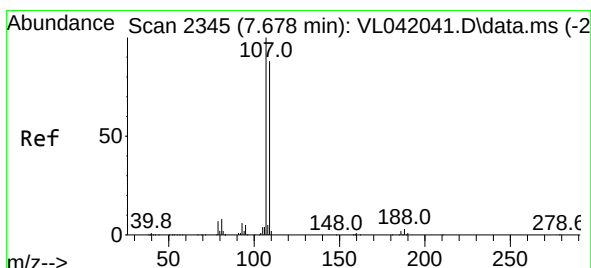
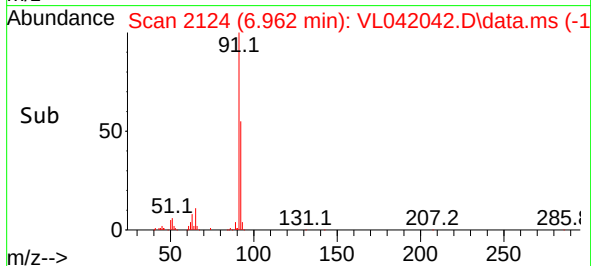
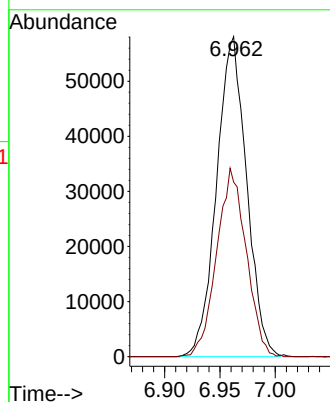
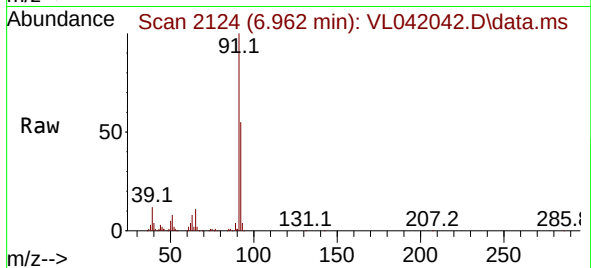
92 57.9 47.5 71.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#54

1,2-Dibromoethane

Concen: 1.820 ppbv

RT: 7.678 min Scan# 2345

Delta R.T. 0.003 min

Lab File: VL042042.D

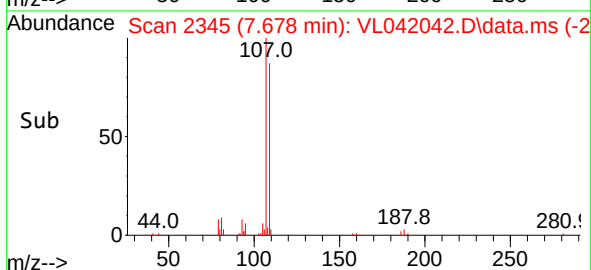
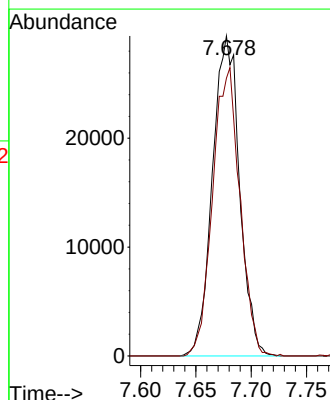
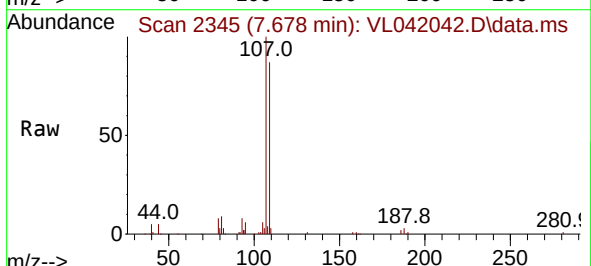
Acq: 25 Feb 2025 09:29

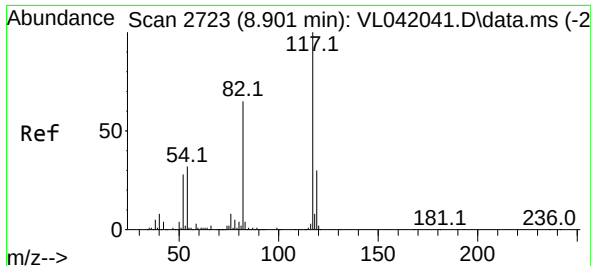
Tgt Ion:107 Resp: 50010

Ion Ratio Lower Upper

107 100

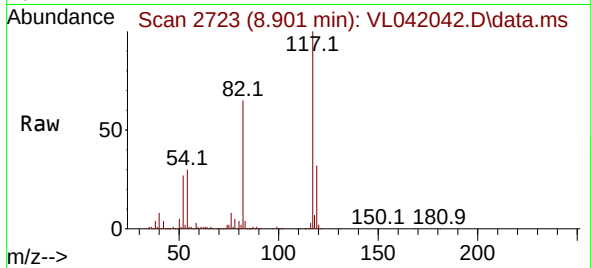
109 86.8 71.5 107.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

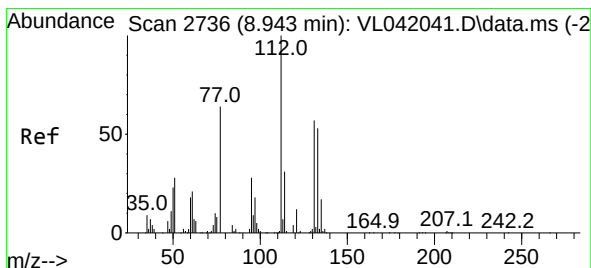
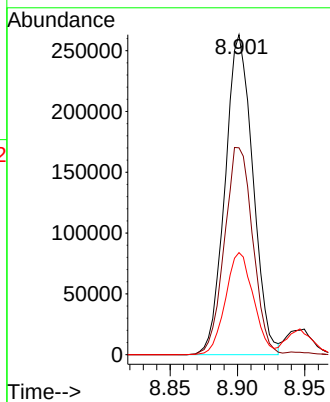
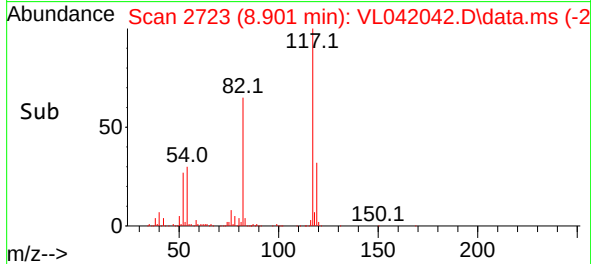
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



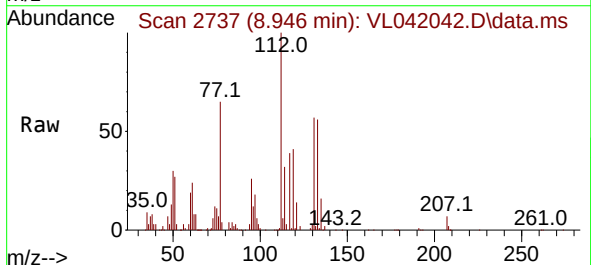
Tgt Ion:117 Resp: 377910
Ion Ratio Lower Upper
117 100
82 66.7 55.7 83.5
119 32.4 25.2 37.8

Manual Integrations
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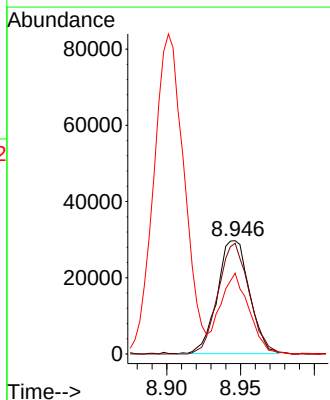
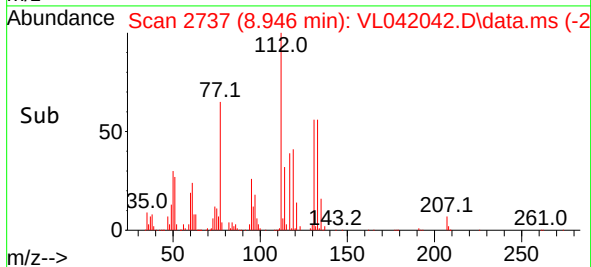
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

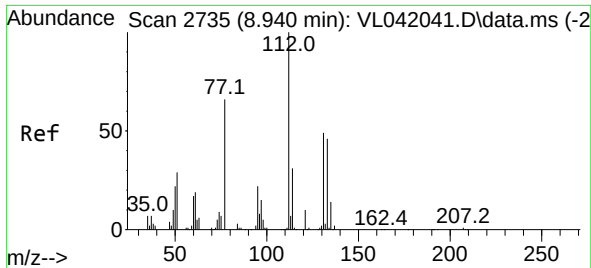


#56
1,1,1,2-Tetrachloroethane
Concen: 1.662 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29



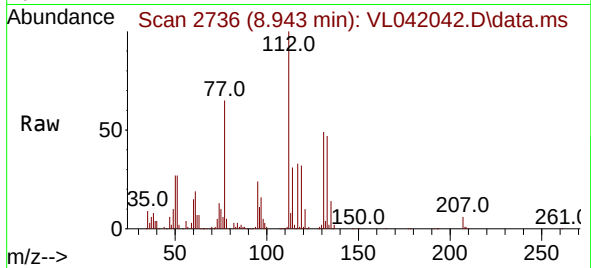
Tgt Ion:131 Resp: 44947
Ion Ratio Lower Upper
131 100
133 95.0 77.8 116.8
119 61.8 49.1 73.7





#57
Chlorobenzene
Concen: 1.906 ppbv
RT: 8.943 min Scan# 2735
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

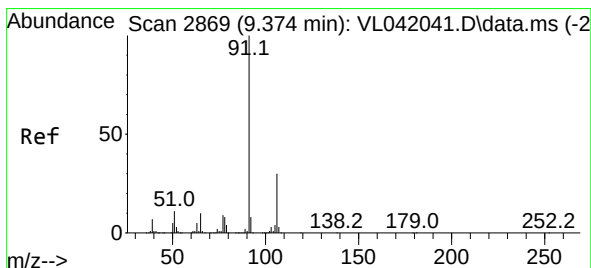
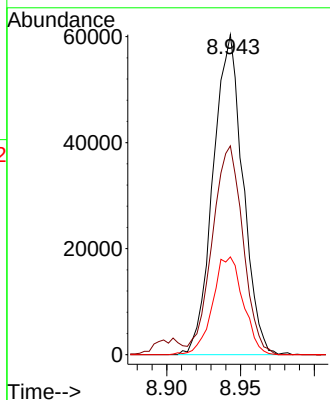
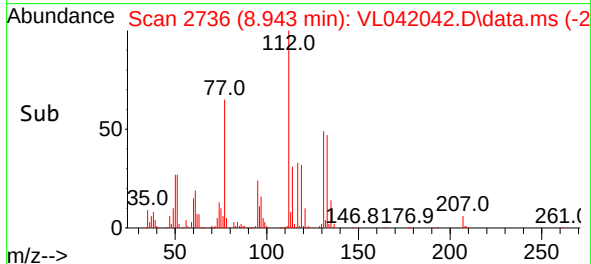
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:112 Resp: 84749
Ion Ratio Lower Upper
112 100
77 65.2 56.2 84.2
114 30.6 28.2 34.4

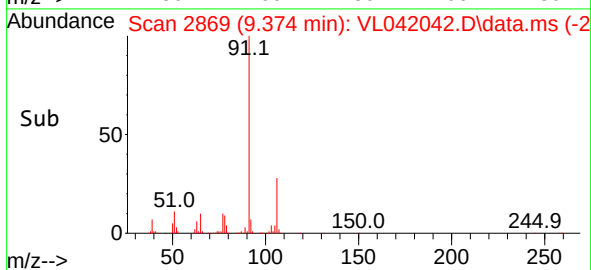
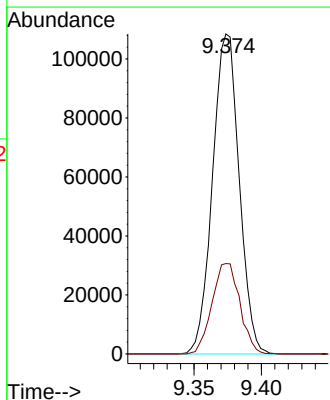
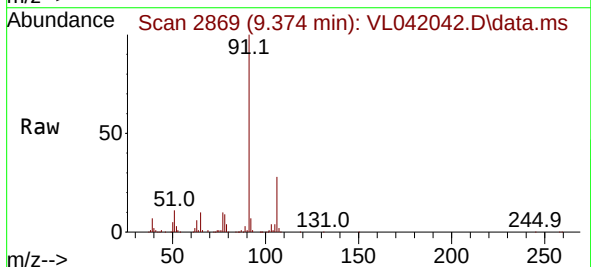
Manual Integrations
APPROVED

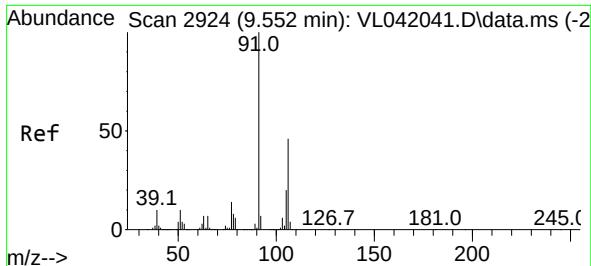
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#58
Ethyl Benzene
Concen: 1.804 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 149185
Ion Ratio Lower Upper
91 100
106 28.3 23.1 34.7





#59

m/p-Xylene

Concen: 3.666 ppbv m

RT: 9.568 min Scan# 2924

Delta R.T. 0.020 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 91 Resp: 238800

Ion Ratio Lower Upper

91 100

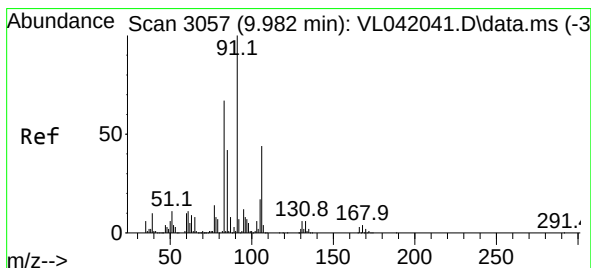
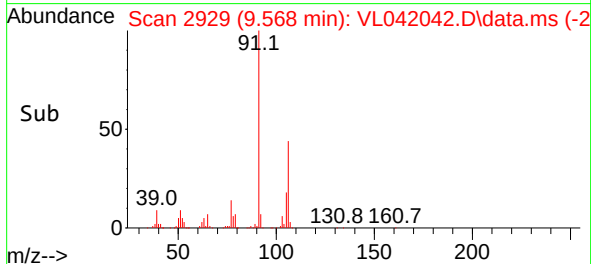
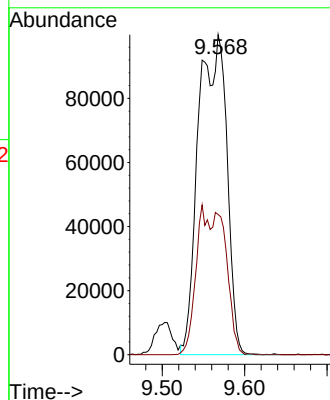
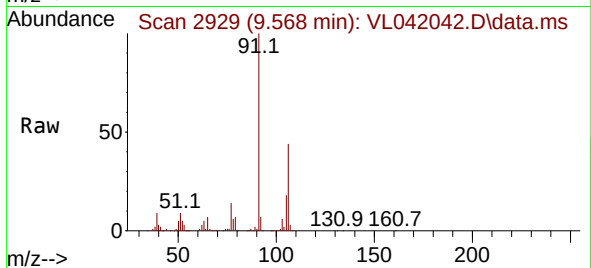
106 47.0 35.8 53.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#60

o-Xylene

Concen: 1.809 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. 0.003 min

Lab File: VL042042.D

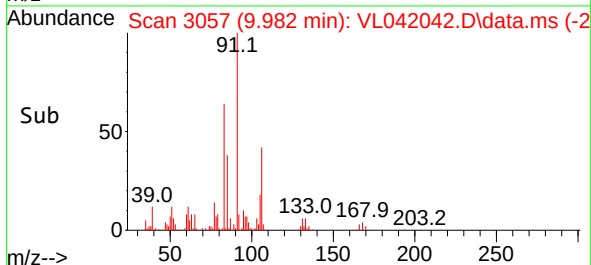
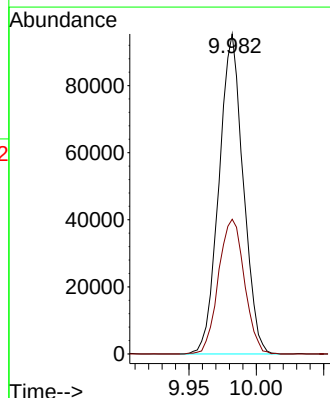
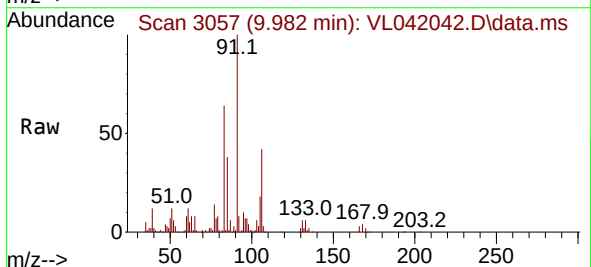
Acq: 25 Feb 2025 09:29

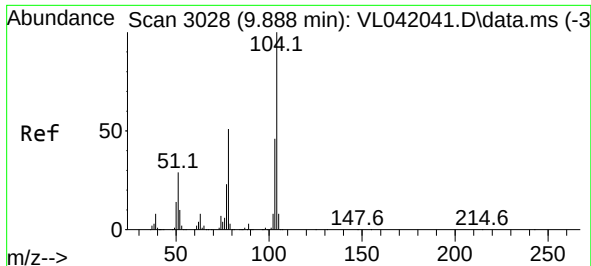
Tgt Ion: 91 Resp: 119170

Ion Ratio Lower Upper

91 100

106 45.0 21.4 64.3





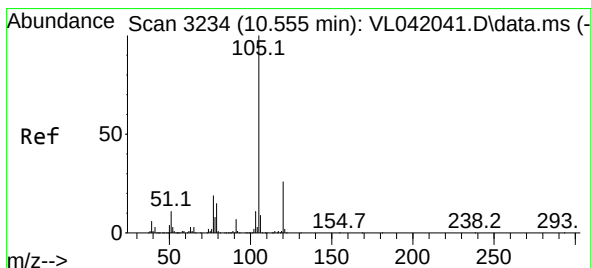
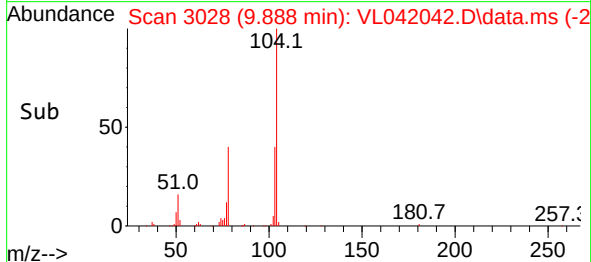
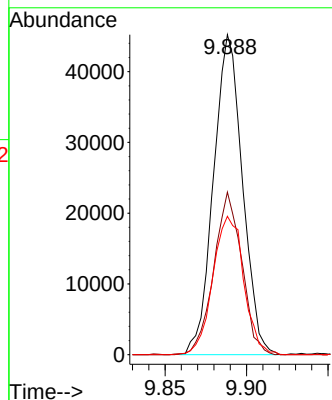
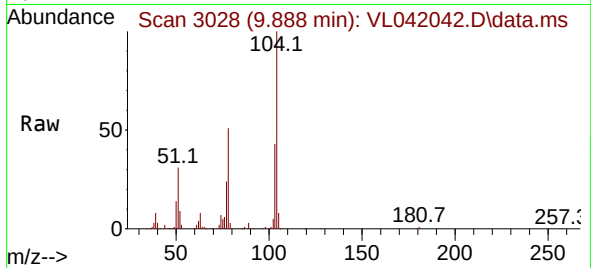
#61
Styrene
Concen: 1.776 ppbv
RT: 9.888 min Scan# 3028
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:104 Resp: 55798
Ion Ratio Lower Upper
104 100
78 49.1 42.2 63.4
103 46.2 38.1 57.1

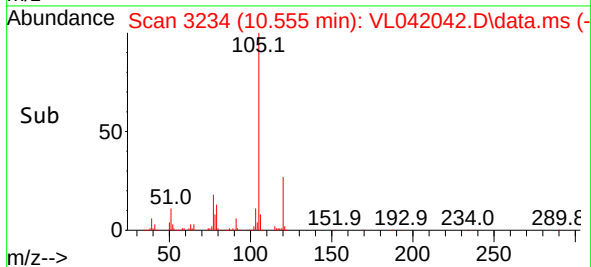
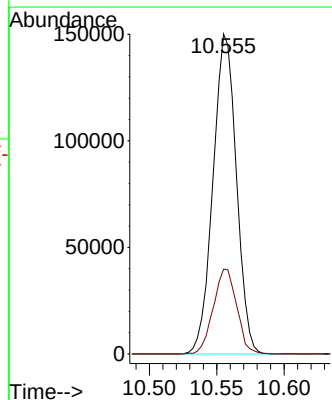
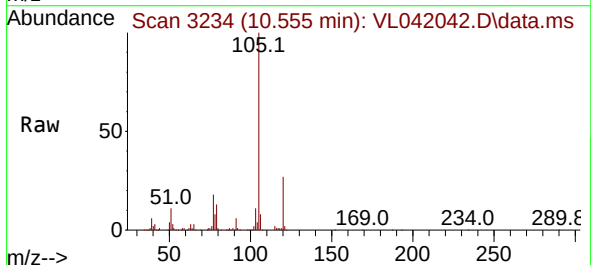
Manual Integrations
APPROVED

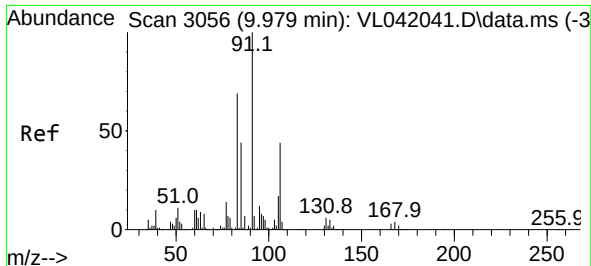
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#62
Isopropylbenzene
Concen: 1.833 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

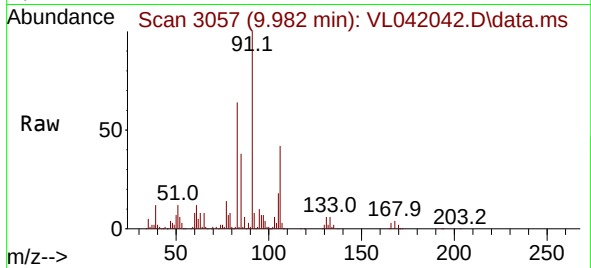
Tgt Ion:105 Resp: 181311
Ion Ratio Lower Upper
105 100
120 26.5 19.8 29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 1.833 ppbv
RT: 9.982 min Scan# 3056
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

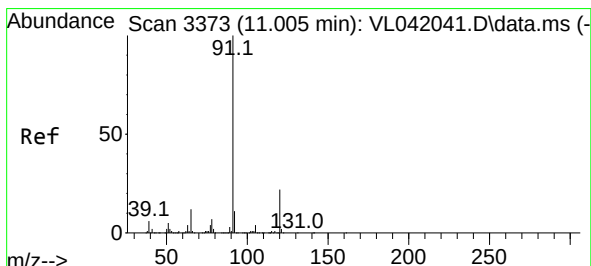
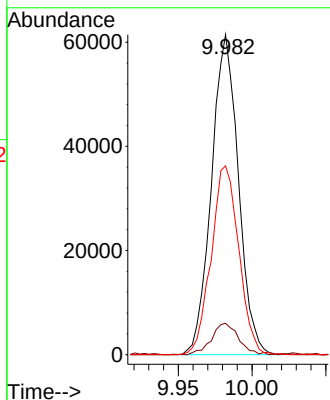
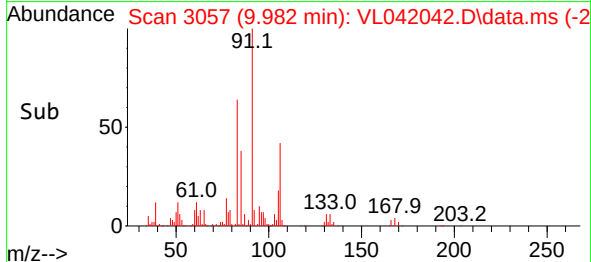
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



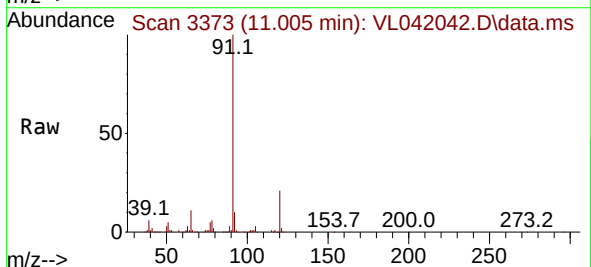
Tgt Ion: 83 Resp: 7791
Ion Ratio Lower Upper
83 100
131 9.9 5.0 15.0
85 60.6 32.1 96.3

Manual Integrations
APPROVED

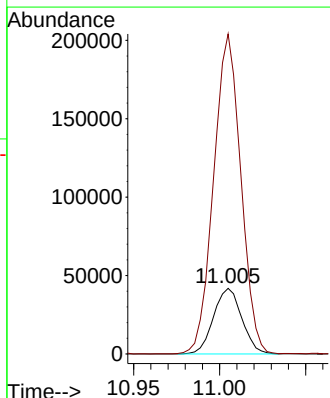
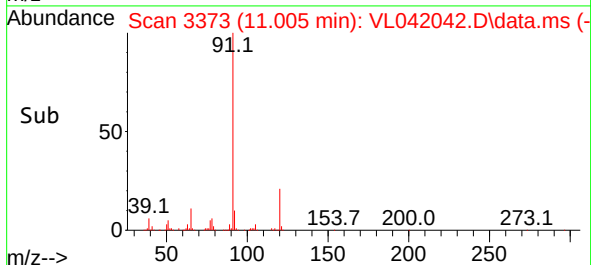
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

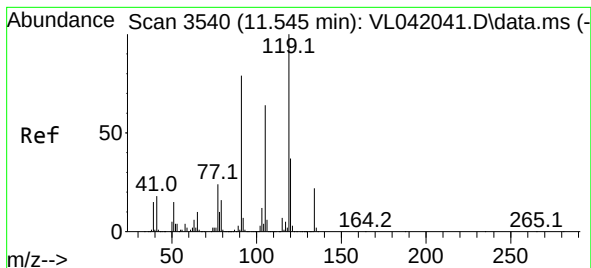


#64
n-propylbenzene
Concen: 1.965 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29



Tgt Ion:120 Resp: 47764
Ion Ratio Lower Upper
120 100
91 469.7 392.2 588.2





#65

tert-Butylbenzene

Concen: 1.948 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.000 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:119 Resp: 16797

Ion Ratio Lower Upper

119 100

91 79.5 66.5 99.7

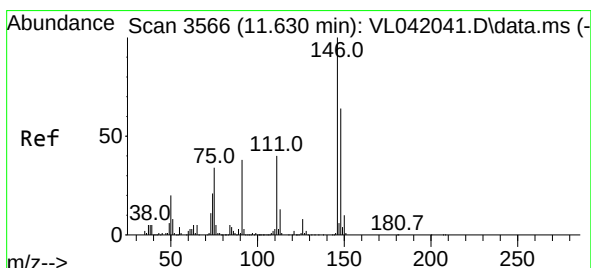
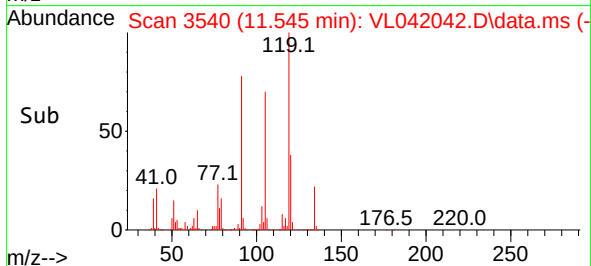
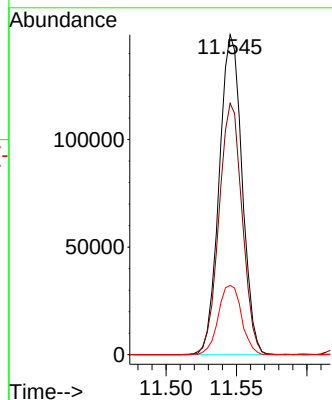
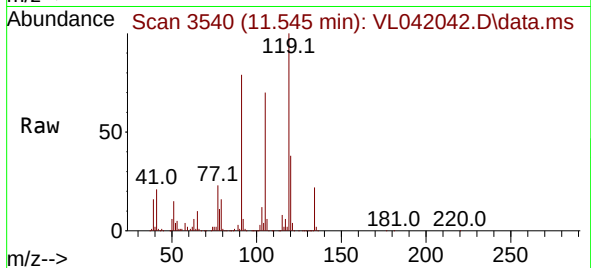
134 22.1 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#66

Benzyl Chloride

Concen: 1.423 ppbv

RT: 11.630 min Scan# 3566

Delta R.T. 0.000 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

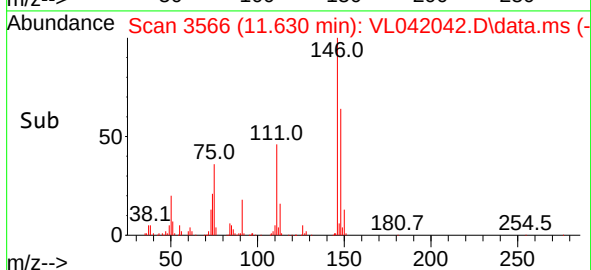
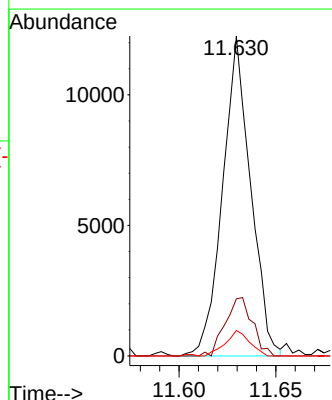
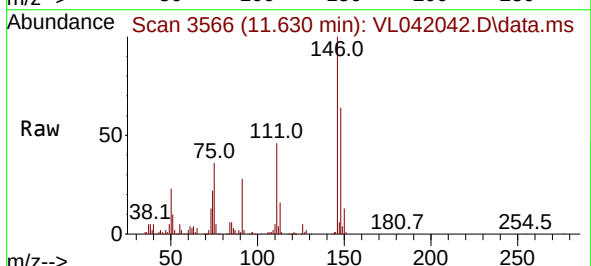
Tgt Ion: 91 Resp: 12304

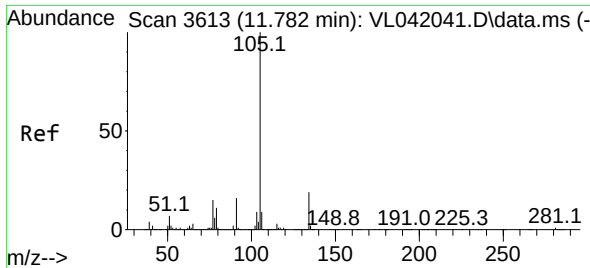
Ion Ratio Lower Upper

91 100

126 17.7 13.8 20.6

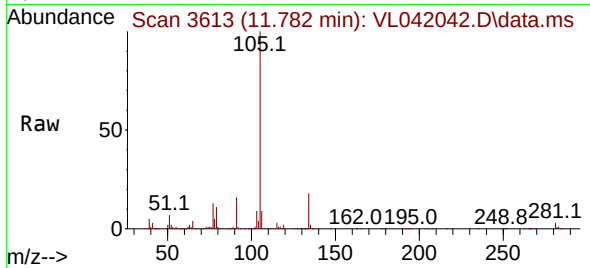
128 7.0 4.1 6.1#





#67
 sec-Butylbenzene
 Concen: 1.986 ppbv
 RT: 11.782 min Scan# 3613
 Delta R.T. 0.000 min
 Lab File: VL042042.D
 Acq: 25 Feb 2025 09:29

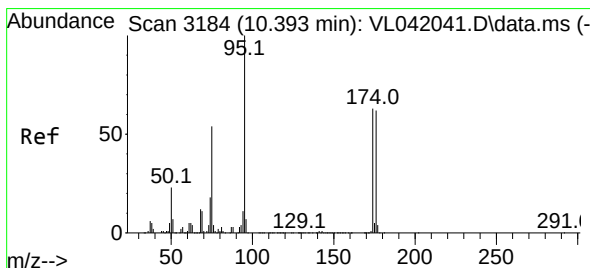
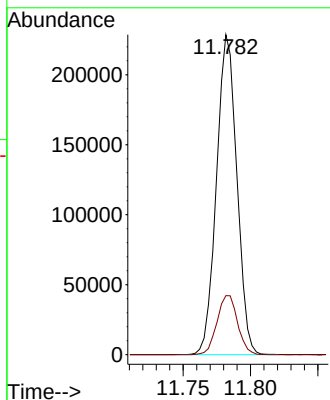
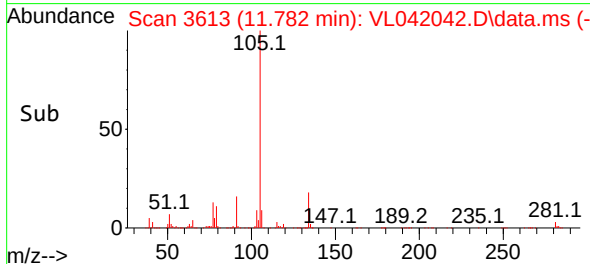
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



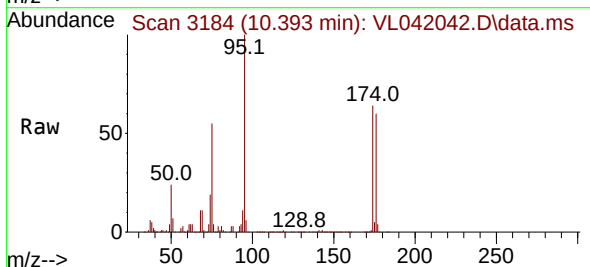
Tgt Ion: 105 Resp: 240504
 Ion Ratio Lower Upper
 105 100
 134 18.7 14.7 22.1

Manual Integrations
 APPROVED

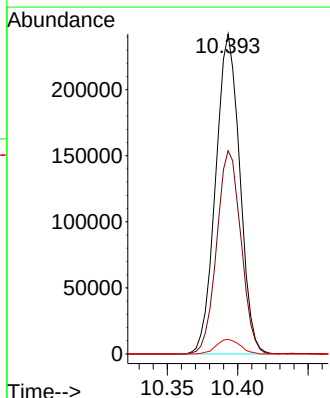
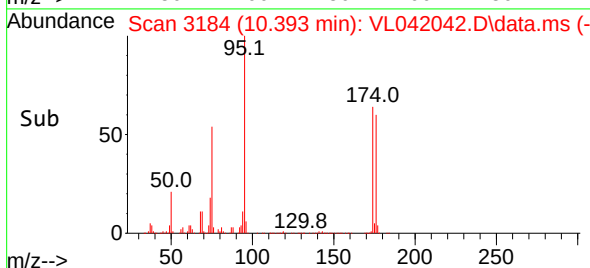
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

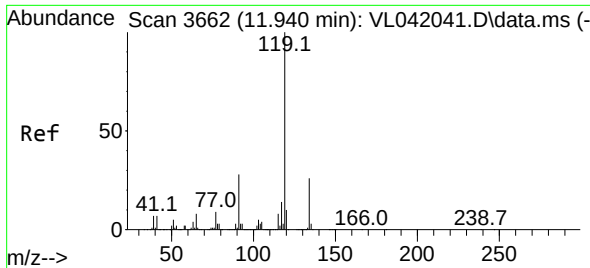


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.273 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. 0.003 min
 Lab File: VL042042.D
 Acq: 25 Feb 2025 09:29



Tgt Ion: 95 Resp: 289049
 Ion Ratio Lower Upper
 95 100
 174 63.8 46.7 70.1
 175 4.5 3.7 5.5





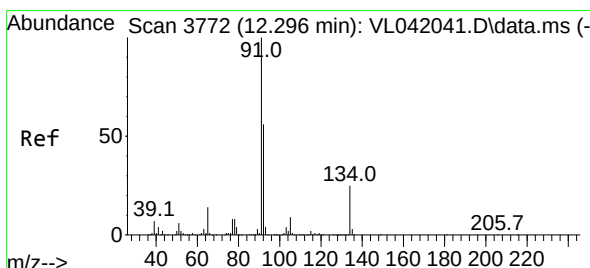
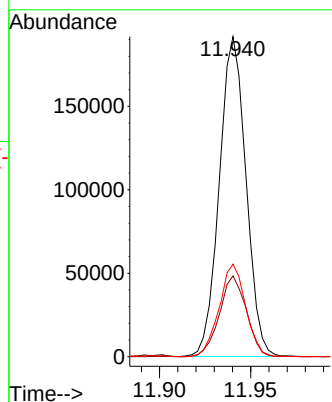
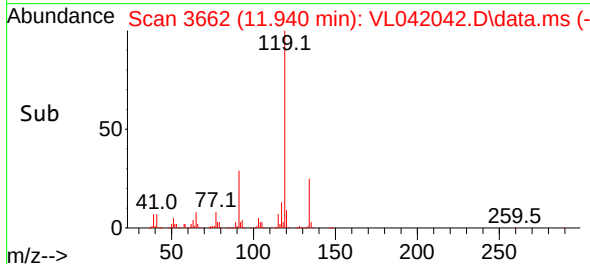
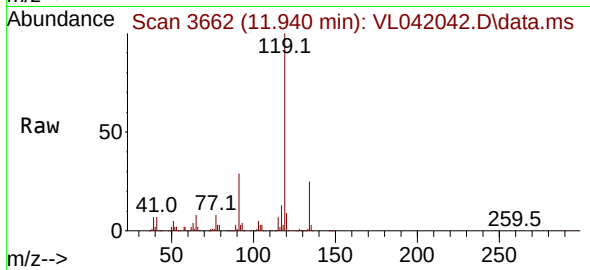
#69
p-Isopropyltoluene
Concen: 1.963 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 119 Resp: 194660
Ion Ratio Lower Upper
119 100
134 25.6 19.4 29.0
91 29.2 23.4 35.2

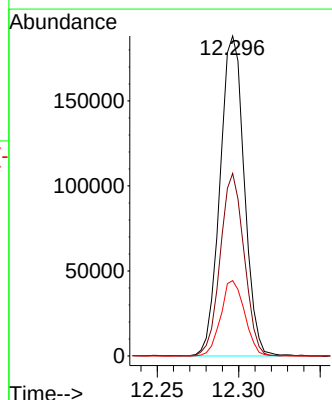
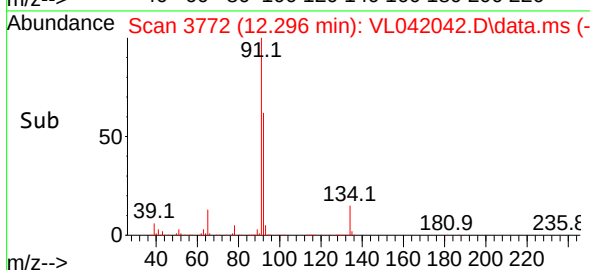
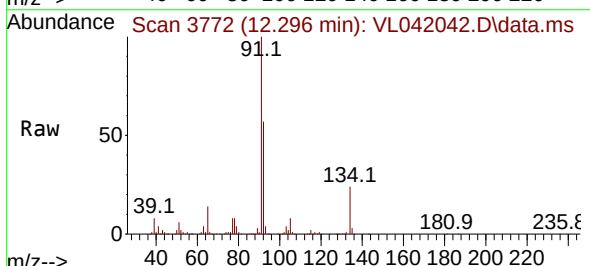
Manual Integrations
APPROVED

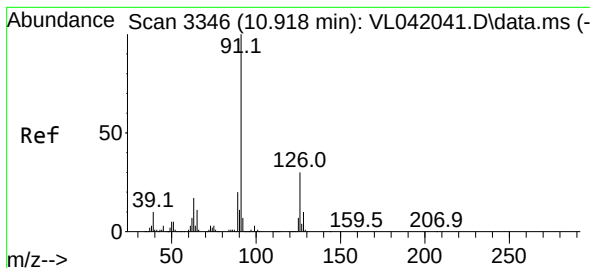
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#70
n-Butylbenzene
Concen: 1.991 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 194416
Ion Ratio Lower Upper
91 100
92 56.0 43.8 65.8
134 23.2 18.6 27.8





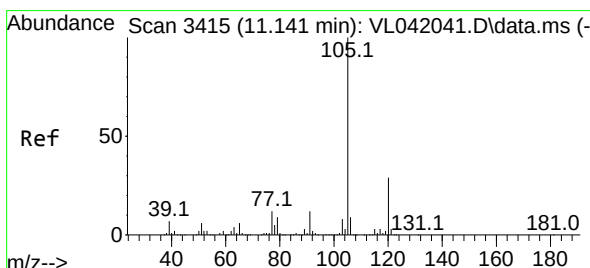
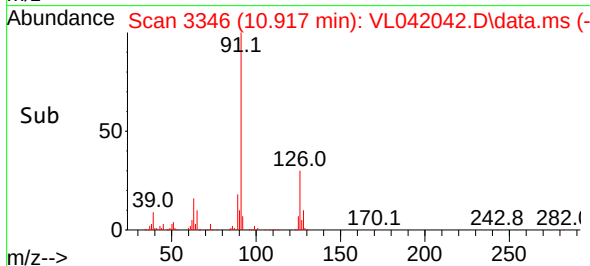
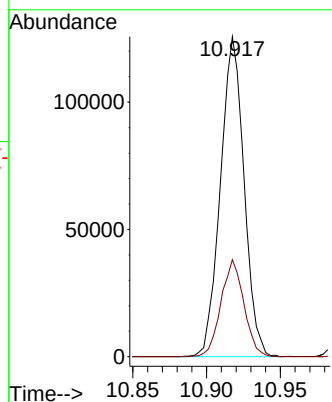
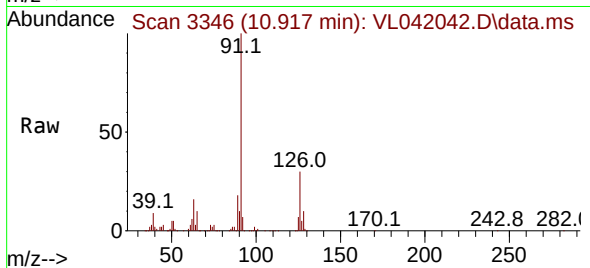
#71
2-Chlorotoluene
Concen: 1.880 ppbv
RT: 10.917 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 91 Resp: 140068
Ion Ratio Lower Upper
91 100
126 29.4 11.2 45.0

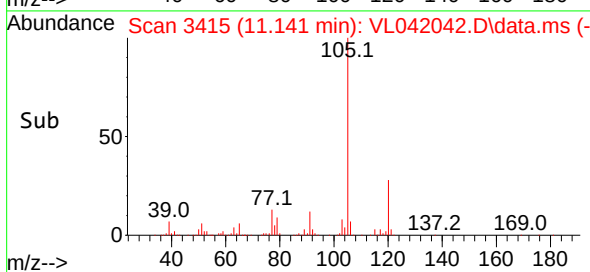
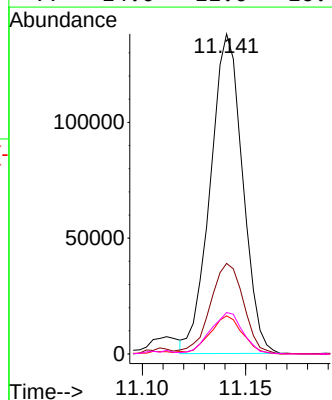
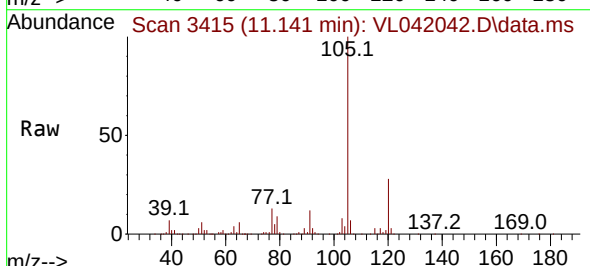
Manual Integrations
APPROVED

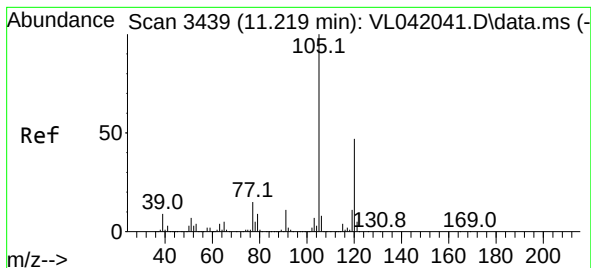
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#72
4-Ethyltoluene
Concen: 1.944 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:105 Resp: 150038
Ion Ratio Lower Upper
105 100
120 30.6 22.7 34.1
91 12.9 10.2 15.2
77 14.0 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 1.925 ppbv

RT: 11.218 min Scan# 3439

Delta R.T. 0.000 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 12820

Ion Ratio Lower Upper

105 100

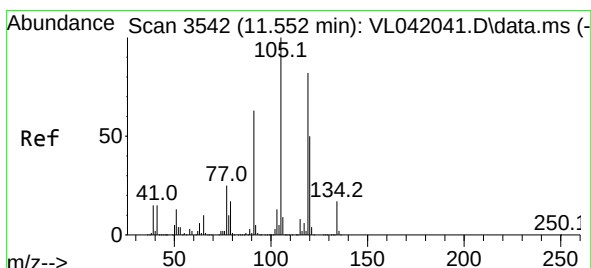
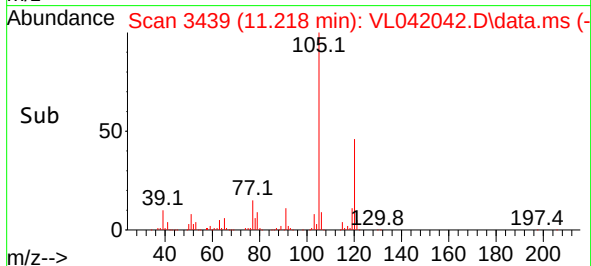
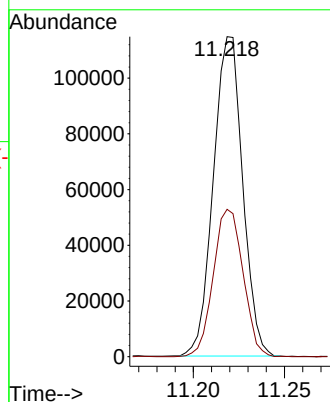
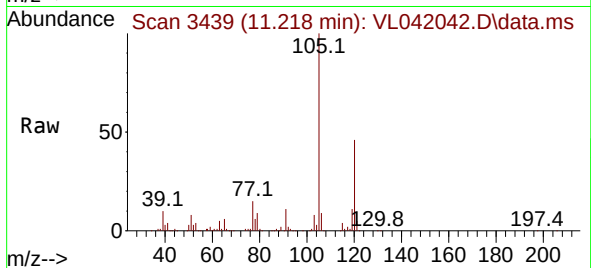
120 46.0 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.104 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Tgt Ion:105 Resp: 150380

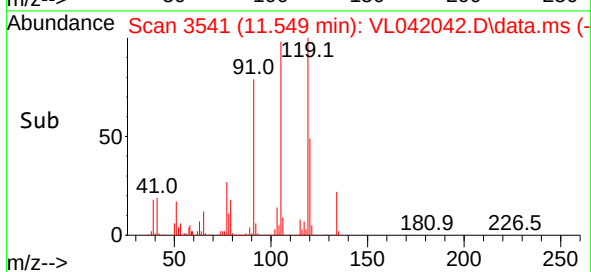
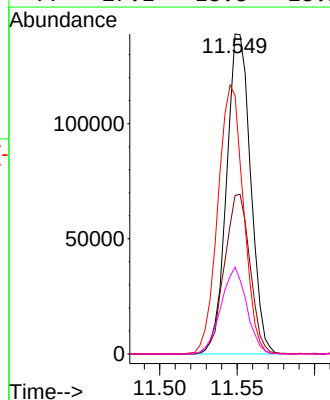
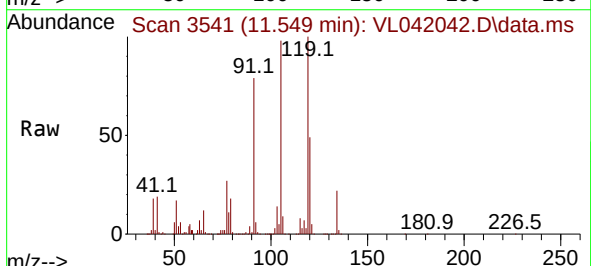
Ion Ratio Lower Upper

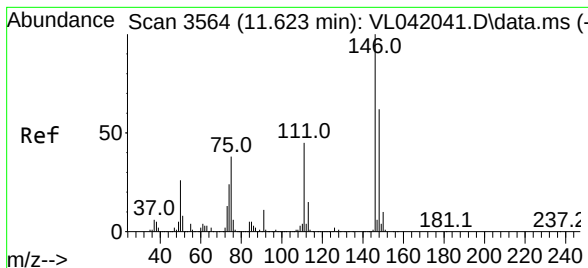
105 100

120 49.5 37.5 56.3

91 80.7 51.7 77.5#

77 27.1 18.8 28.2





#75

1,3-Dichlorobenzene

Concen: 2.129 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. 0.000 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

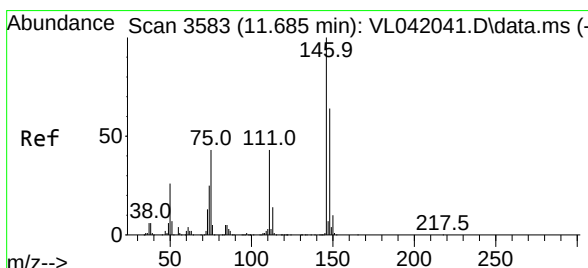
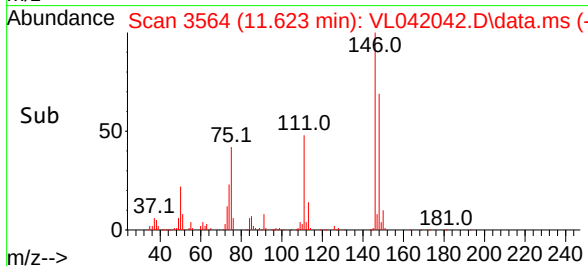
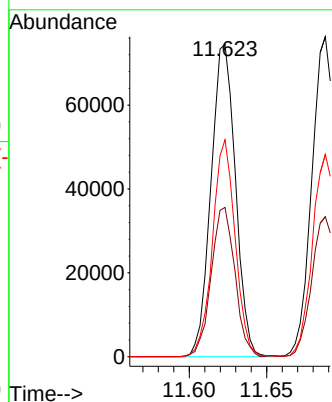
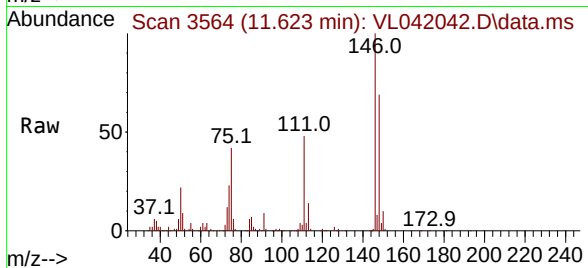
VSTDIC002

Tgt Ion:	146	Resp:	81884
Ion Ratio	Lower	Upper	
146	100		
111	46.6	23.9	71.7
148	64.4	31.5	94.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#76

1,4-Dichlorobenzene

Concen: 2.201 ppbv

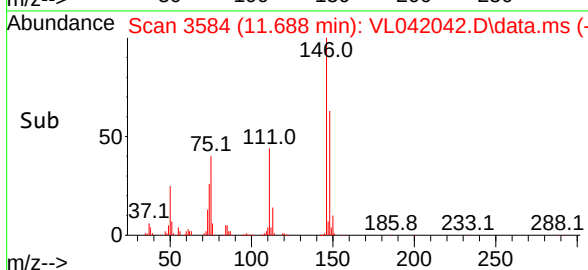
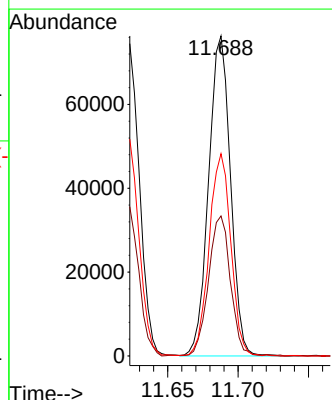
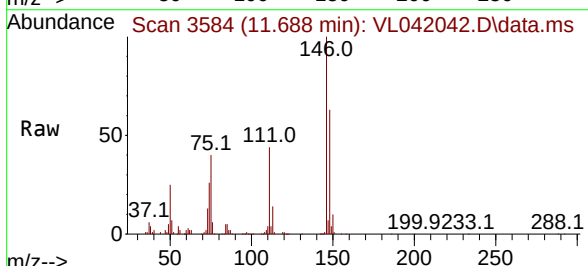
RT: 11.688 min Scan# 3584

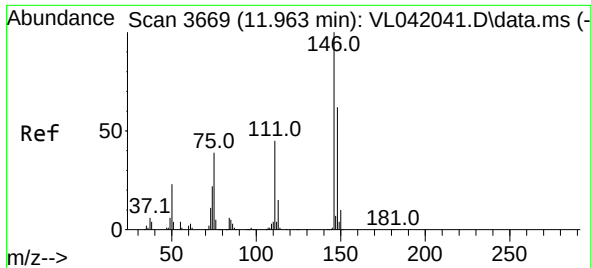
Delta R.T. 0.003 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Tgt Ion:	146	Resp:	82560
Ion Ratio	Lower	Upper	
146	100		
111	44.2	23.5	70.5
148	63.0	32.3	96.9





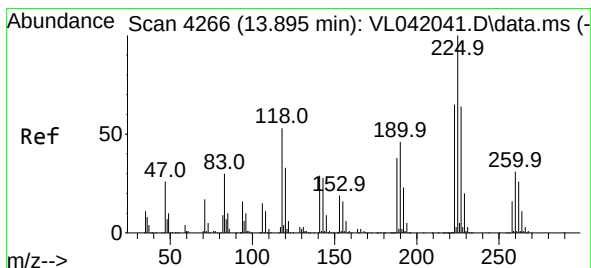
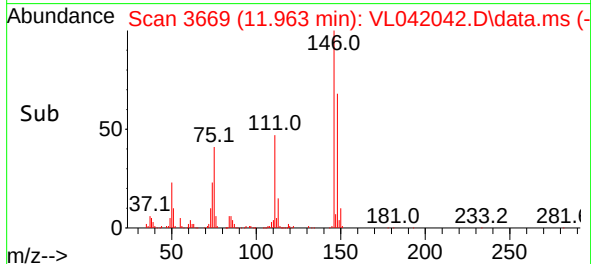
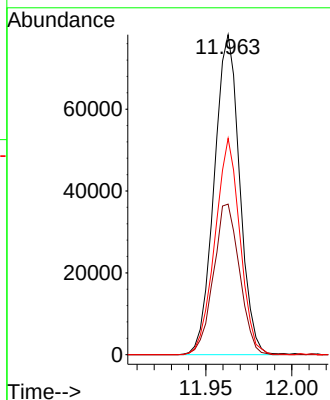
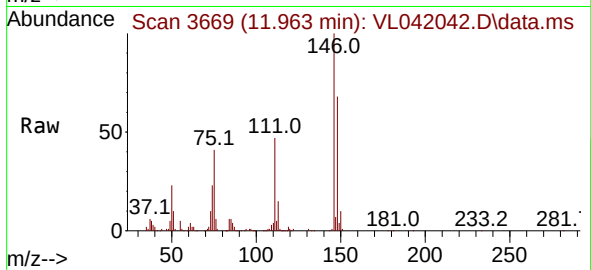
#77
1,2-Dichlorobenzene
Concen: 2.186 ppbv
RT: 11.963 min Scan# 3669
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:146 Resp: 8036
Ion Ratio Lower Upper
146 100
111 48.3 25.6 76.8
148 66.6 31.9 95.7

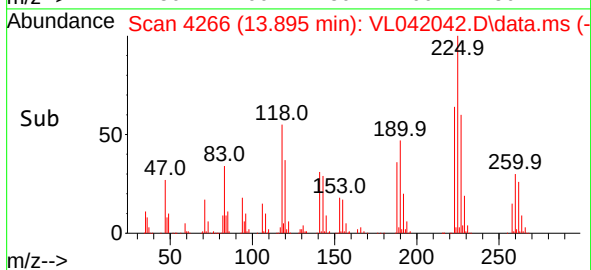
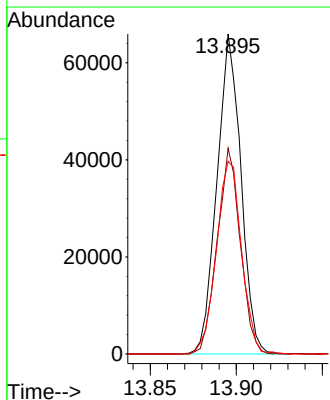
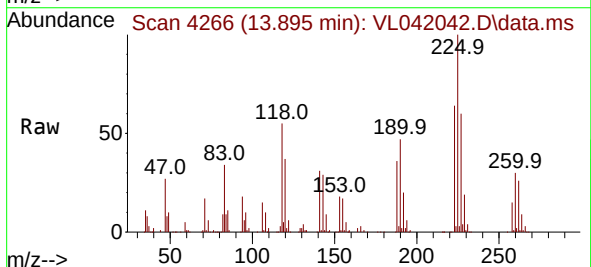
Manual Integrations
APPROVED

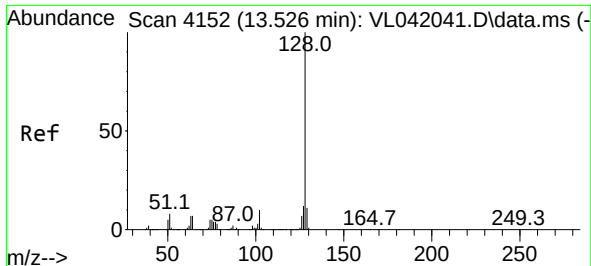
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#78
Hexachloro-1,3-Butadiene
Concen: 2.098 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:225 Resp: 63815
Ion Ratio Lower Upper
225 100
223 62.1 50.6 75.8
227 63.3 50.9 76.3





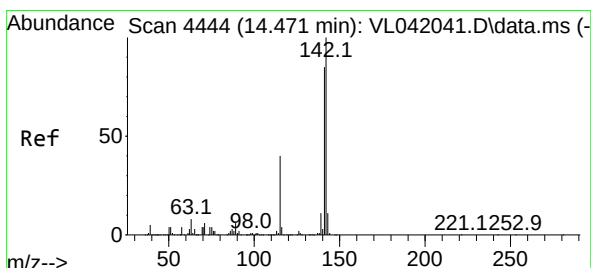
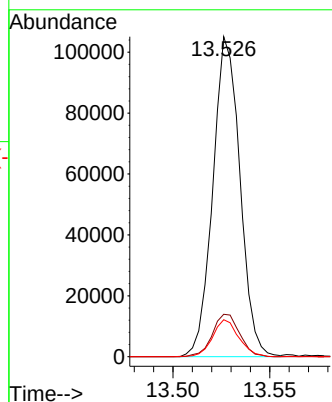
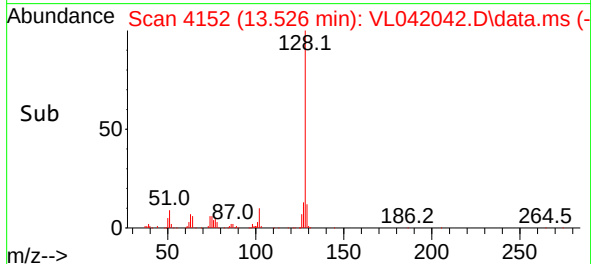
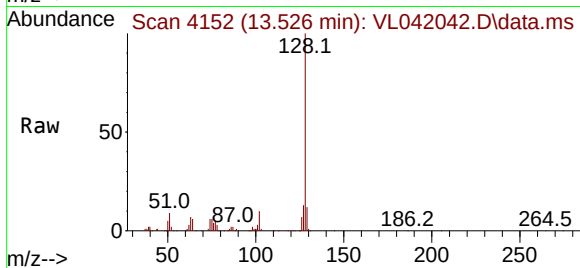
#79
Naphthalene
Concen: 1.454 ppbv
RT: 13.526 min Scan# 4152
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:128 Resp: 102197
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 11.6 8.6 13.0

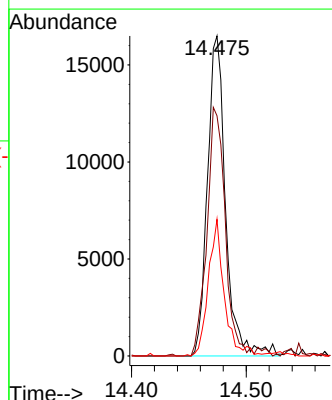
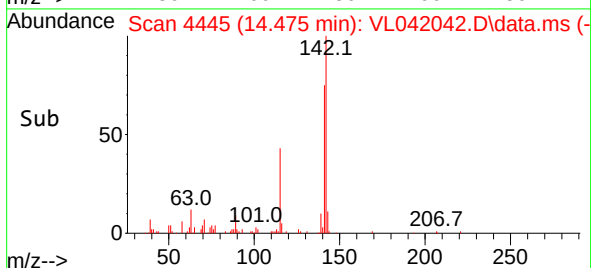
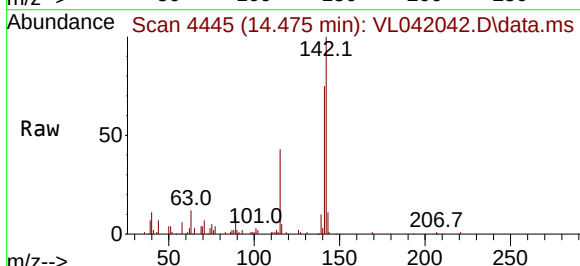
Manual Integrations
APPROVED

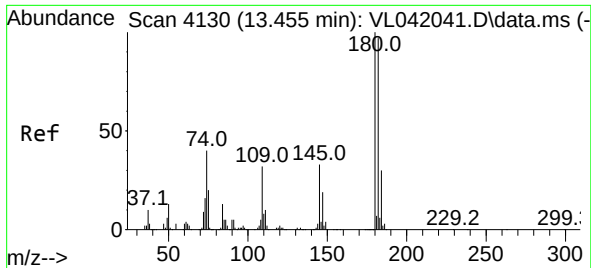
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#80
Naphthalene,2-methyl-
Concen: 0.569 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:142 Resp: 18104
Ion Ratio Lower Upper
142 100
141 79.7 68.2 102.2
115 38.7 33.6 50.4





#81

1,2,4-Trichlorobenzene

Concen: 2.023 ppbv

RT: 13.455 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042042.D

Acq: 25 Feb 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:180 Resp: 57798

Ion Ratio Lower Upper

180 100

182 93.1 75.8 113.6

184 29.2 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025

