

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
 Data File : VL043292.D
 Acq On : 02 Dec 2025 09:31
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 00:03:43 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

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

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	126127	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.965	114	330397	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	260796	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	190761	9.979	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	197164	11.083	ppbv	96
3) Chlorodifluoromethane	1.479	51	183025	10.462	ppbv	98
4) Chloromethane	1.538	50	67250	10.111	ppbv	96
5) Vinyl Chloride	1.583	62	69859	9.604	ppbv	92
6) Bromomethane	1.673	94	33274	9.437	ppbv	94
7) Chloroethane	1.709	64	28524	10.069	ppbv	96
8) Dichlorotetrafluoroethane	1.560	85	161706	10.927	ppbv	98
9) Propene	1.489	41	70360	9.471	ppbv #	1
10) Heptane	4.991	43	206666	9.347	ppbv	99
11) Trichlorofluoromethane	1.884	101	208347	12.088	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.146	101	159759	11.873	ppbv	99
13) Ethanol	1.725	45	20945	8.018	ppbv	97
14) Bromoethene	1.787	108	56599	10.972	ppbv	96
15) Acetone	1.839	43	155242	8.859	ppbv	99
16) 1,3-Butadiene	1.615	39	76961	9.851	ppbv	96
17) tert-Butyl alcohol	2.042	59	218371	9.494	ppbv	98
18) 1,1-Dichloroethene	2.039	96	68084	10.867	ppbv	97
19) Isopropyl Alcohol	1.890	45	85843	8.669	ppbv #	86
20) Methylene Chloride	2.068	84	62130	12.206	ppbv	94
21) Allyl Chloride	2.101	41	105808	8.975	ppbv	94
22) trans-1,2-Dichloroethene	2.347	96	76709	10.712	ppbv	91
23) Vinyl Acetate	2.466	43	206003	9.738	ppbv #	99
24) 1,1-Dichloroethane	2.415	63	151136	10.934	ppbv	97
25) Ethyl Acetate	2.839	43	366636	9.701	ppbv	99
26) Hexane	2.832	57	165056	9.961	ppbv	99
27) Carbon Disulfide	2.156	76	192516	11.380	ppbv	98
28) Methyl tert-Butyl Ether	2.444	73	86340	10.615	ppbv	97
29) Chloroform	2.855	83	275636	11.703	ppbv	98
30) Cyclohexane	3.865	84	139919	10.072	ppbv	94
31) cis-1,2-Dichloroethene	2.725	61	169792	10.309	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	281780	11.224	ppbv	99
34) 2-Butanone	2.560	43	230835	9.898	ppbv	100
35) Carbon Tetrachloride	3.771	117	296279	11.814	ppbv	96
36) Benzene	3.664	78	336842	10.646	ppbv	98
37) 1,2-Dichloroethane	3.224	62	211067	11.404	ppbv	98
38) Trichloroethene	4.557	130	136063	10.991	ppbv	98
39) 1,2-Dichloropropane	4.321	63	121342	10.478	ppbv	94
40) 1,4-Dioxane	4.586	88	44549	8.557	ppbv #	92
41) Tetrahydrofuran	3.059	42	123505	9.590	ppbv	98
42) Bromodichloromethane	4.496	83	296882	11.628	ppbv	97
43) Methyl Methacrylate	4.884	69	157030	9.350	ppbv	97
44) 2,2,4-Trimethylpentane	4.651	57	560933	10.322	ppbv	100
45) t-1,3-Dichloropropene	6.422	75	124214	7.934	ppbv	97

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

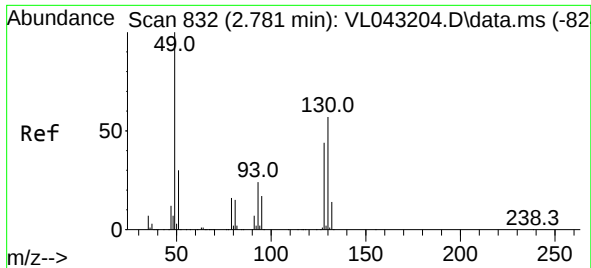
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

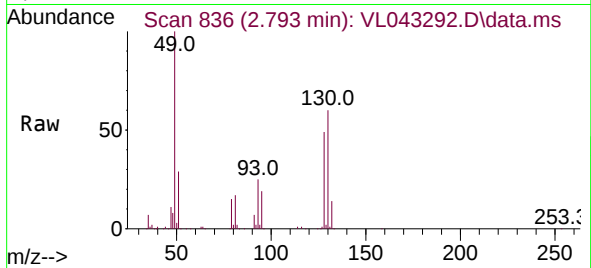
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	150697	8.197	ppbv	97
47) 1,1,2-Trichloroethane	6.590	97	132966	10.819	ppbv	89
48) Dibromochloromethane	7.393	129	245129	11.601	ppbv	99
49) Bromoform	9.490	173	210532	11.249	ppbv	98
50) 4-Methyl-2-Pentanone	5.758	43	306398	9.326	ppbv	99
51) 2-Hexanone	7.438	43	217535	8.527	ppbv #	100
52) Tetrachloroethene	8.231	164	125569	10.669	ppbv	98
53) Toluene	6.943	91	377598	10.078	ppbv	99
54) 1,2-Dibromoethane	7.658	107	184265	10.188	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.930	131	226254	11.805	ppbv	98
57) Chlorobenzene	8.927	112	299248	11.176	ppbv	96
58) Ethyl Benzene	9.361	91	532113	10.601	ppbv	100
59) m/p-Xylene	9.558	91	890244m	22.121	ppbv	
60) o-Xylene	9.969	91	433850	10.791	ppbv	97
61) Styrene	9.875	104	170523	9.691	ppbv	99
62) Isopropylbenzene	10.545	105	782083	10.873	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	270755	10.584	ppbv	99
64) n-propylbenzene	10.995	120	198097	10.719	ppbv	98
65) tert-Butylbenzene	11.536	119	679288	10.575	ppbv	99
66) Benzyl Chloride	11.620	91	33251	5.101	ppbv	99
67) sec-Butylbenzene	11.772	105	950539	10.601	ppbv	99
69) p-Isopropyltoluene	11.930	119	794465	10.460	ppbv	99
70) n-Butylbenzene	12.286	91	766060	10.396	ppbv	100
71) 2-Chlorotoluene	10.904	91	581216	10.513	ppbv	100
72) 4-Ethyltoluene	11.131	105	522973	10.682	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	437835	10.656	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	483676	10.787	ppbv	92
75) 1,3-Dichlorobenzene	11.613	146	289929	11.080	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	288002	11.005	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	274351	10.906	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	210733	10.037	ppbv	99
79) Naphthalene	13.516	128	392809	9.864	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	90880	8.694	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	199764	11.216	ppbv	96

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 832
Delta R.T. 0.012 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

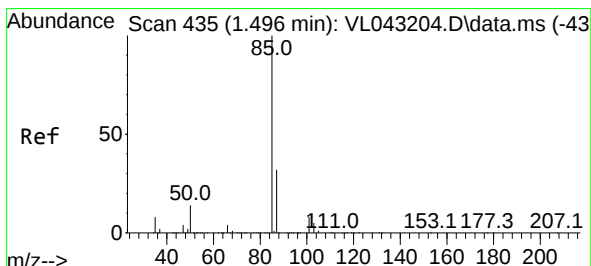
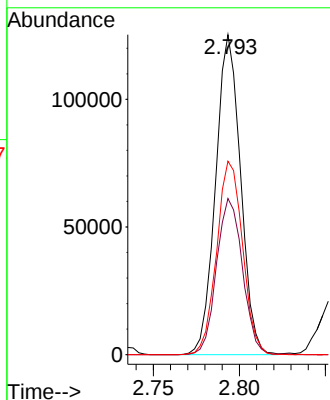
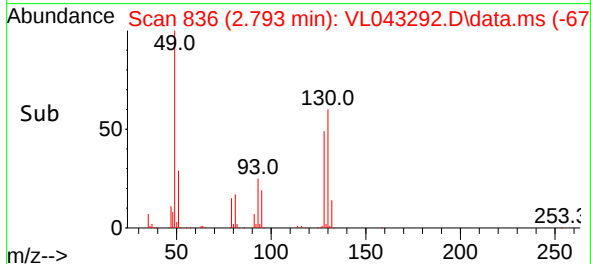
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



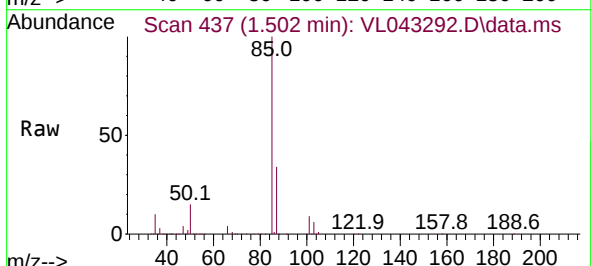
Tgt Ion: 49 Resp: 126127
Ion Ratio Lower Upper
49 100
128 50.6 23.0 69.0
130 62.8 29.9 89.7

Manual Integrations
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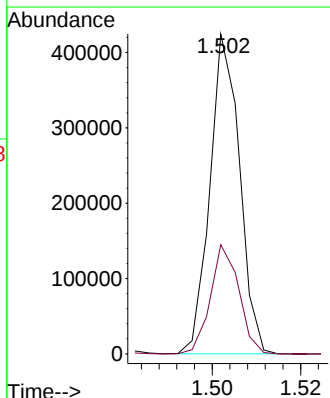
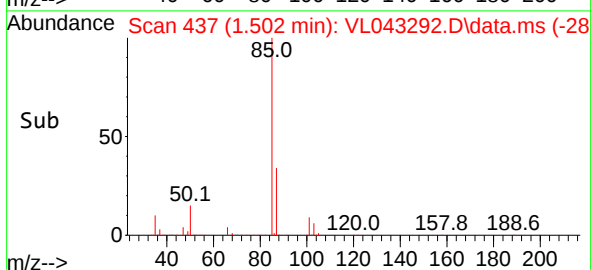
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

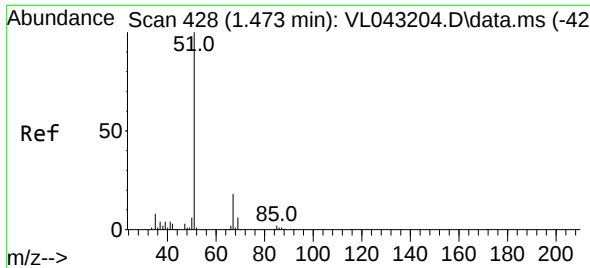


#2
Dichlorodifluoromethane
Concen: 11.083 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31



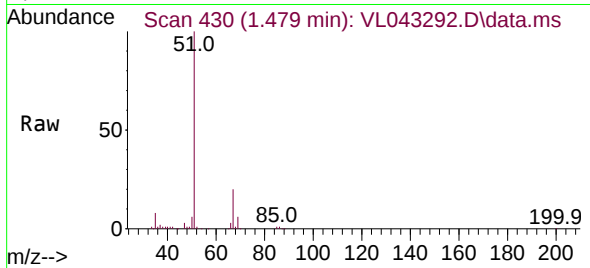
Tgt Ion: 85 Resp: 197164
Ion Ratio Lower Upper
85 100
87 34.1 25.4 38.2





#3
Chlorodifluoromethane
Concen: 10.462 ppbv
RT: 1.479 min Scan# 431
Delta R.T. 0.006 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

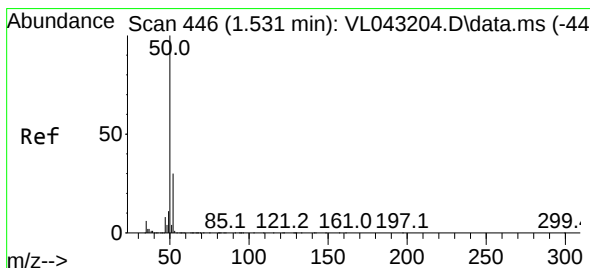
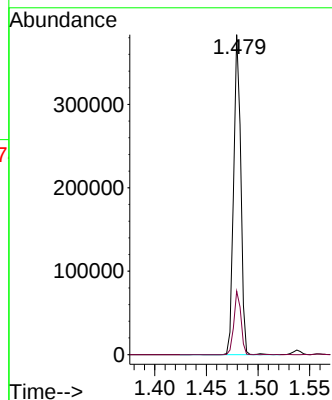
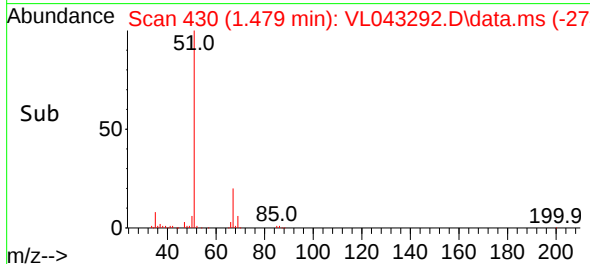
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



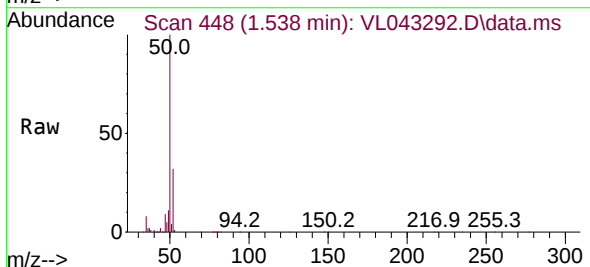
Tgt Ion: 51 Resp: 183025
Ion Ratio Lower Upper
51 100
67 19.6 14.9 22.3

Manual Integrations
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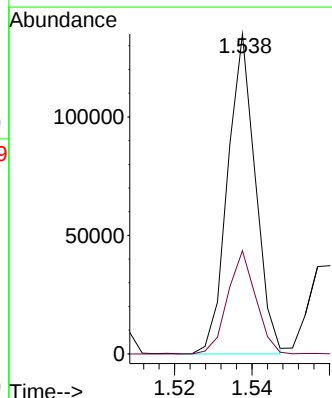
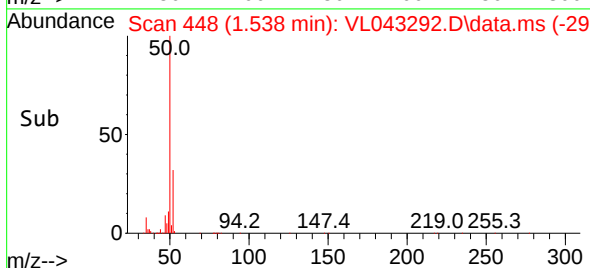
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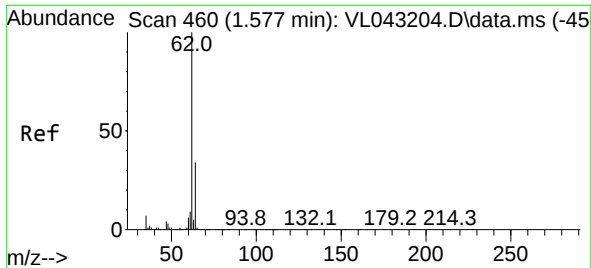


#4
Chloromethane
Concen: 10.111 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31



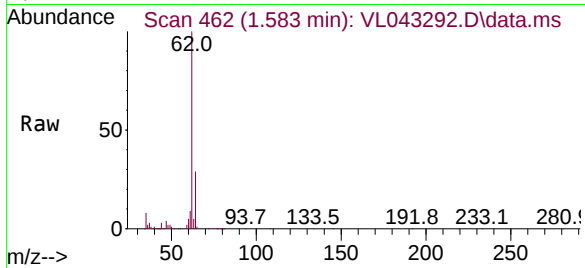
Tgt Ion: 50 Resp: 67250
Ion Ratio Lower Upper
50 100
52 32.2 24.1 36.1





#5
 Vinyl Chloride
 Concen: 9.604 ppbv
 RT: 1.583 min Scan# 40
 Delta R.T. 0.006 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

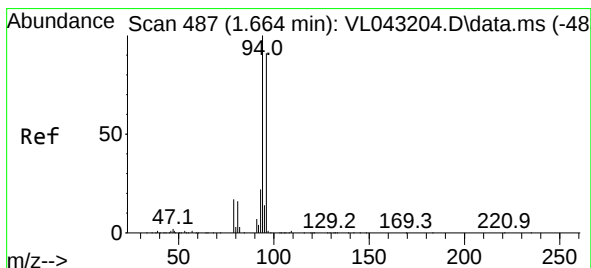
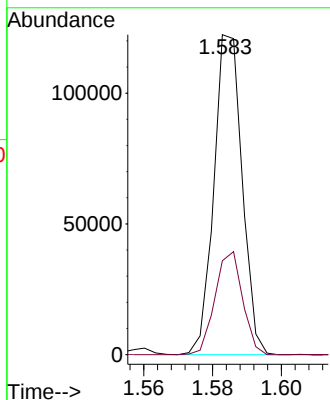
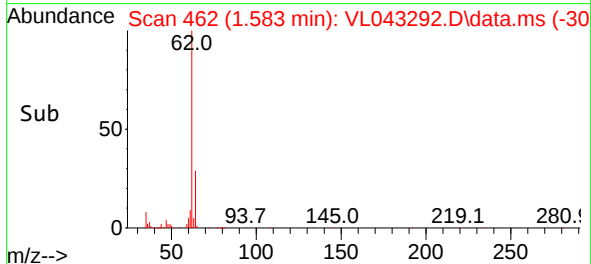
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



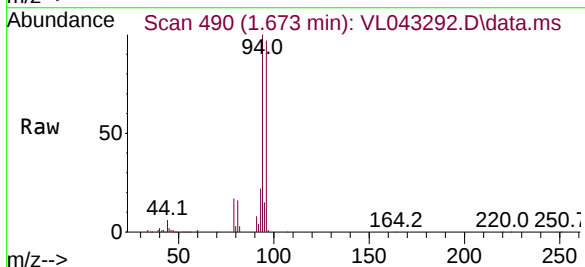
Tgt Ion: 62 Resp: 69859
 Ion Ratio Lower Upper
 62 100
 64 29.3 27.3 40.9

Manual Integrations
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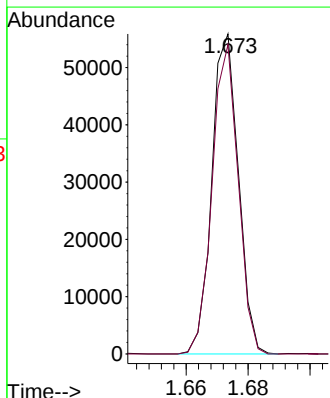
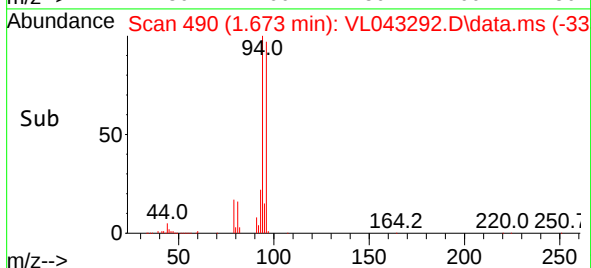
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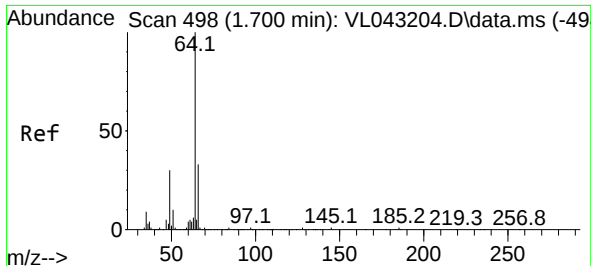


#6
 Bromomethane
 Concen: 9.437 ppbv
 RT: 1.673 min Scan# 490
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31



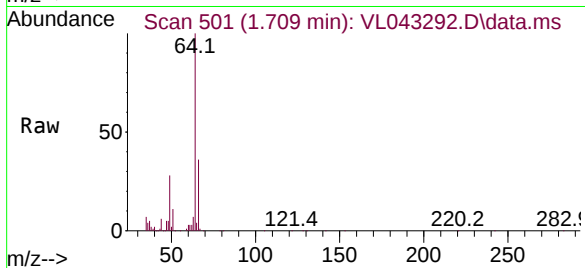
Tgt Ion: 94 Resp: 33274
 Ion Ratio Lower Upper
 94 100
 96 96.7 72.9 109.3





#7
Chloroethane
Concen: 10.069 ppbv
RT: 1.709 min Scan# 50
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

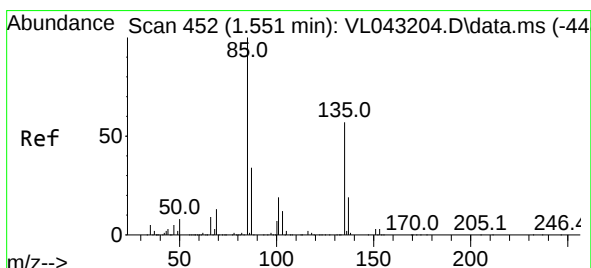
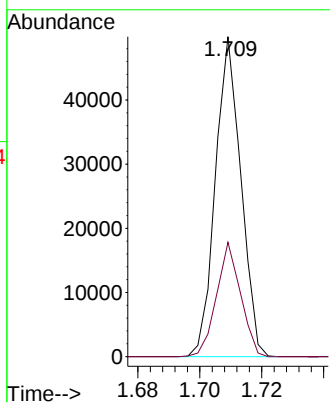
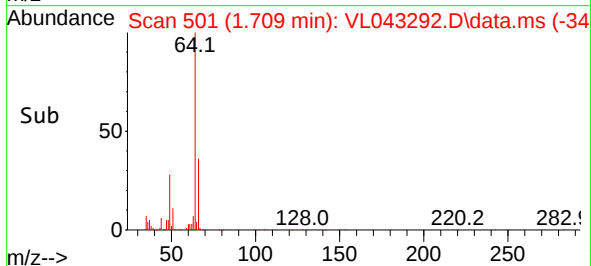
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



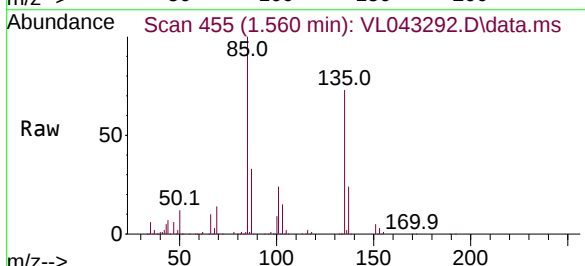
Tgt Ion: 64 Resp: 28524
Ion Ratio Lower Upper
64 100
66 35.7 26.8 40.2

Manual Integrations
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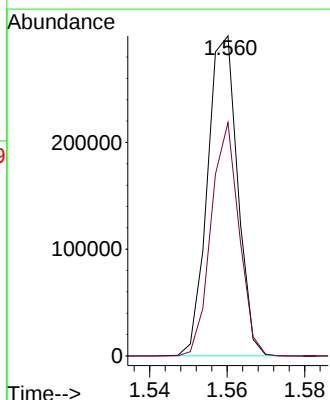
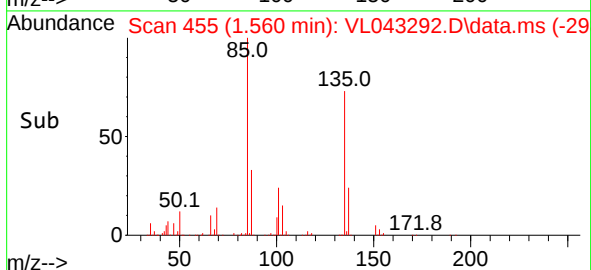
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

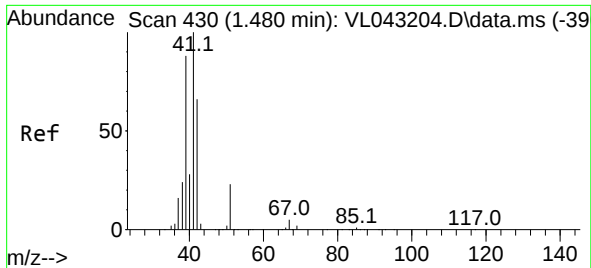


#8
Dichlorotetrafluoroethane
Concen: 10.927 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31



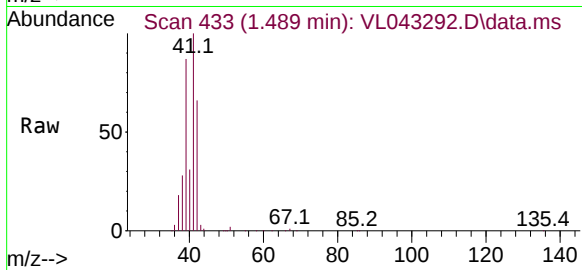
Tgt Ion: 85 Resp: 161706
Ion Ratio Lower Upper
85 100
135 67.6 52.6 79.0





#9
 Propene
 Concen: 9.471 ppbv
 RT: 1.489 min Scan# 43
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

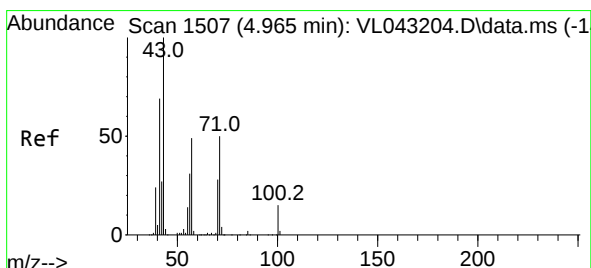
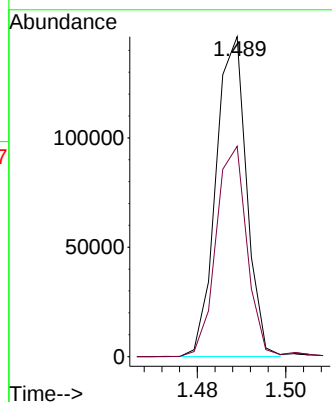
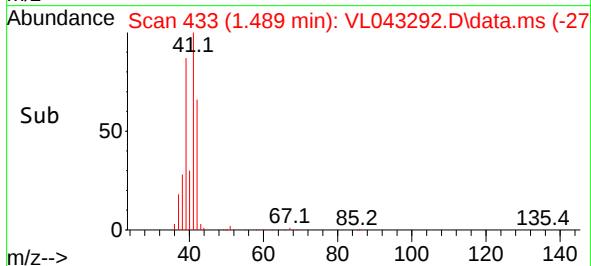
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



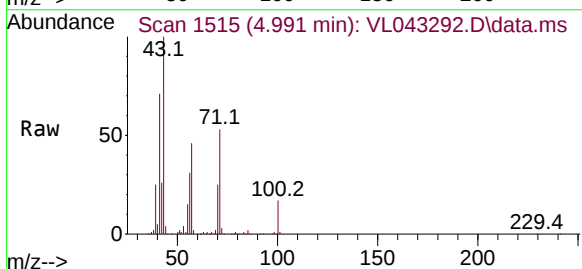
Tgt Ion: 41 Resp: 70360
 Ion Ratio Lower Upper
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 42 67.6 3.7 5.5

Manual Integrations
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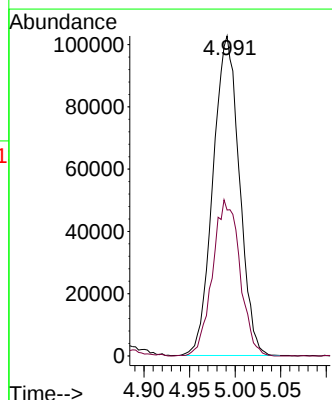
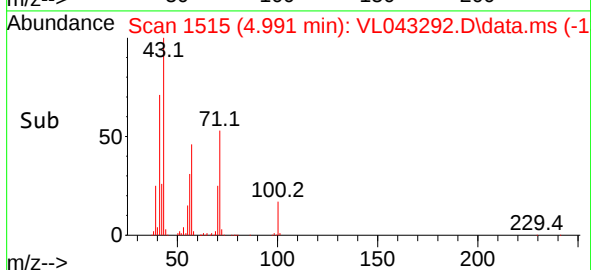
Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

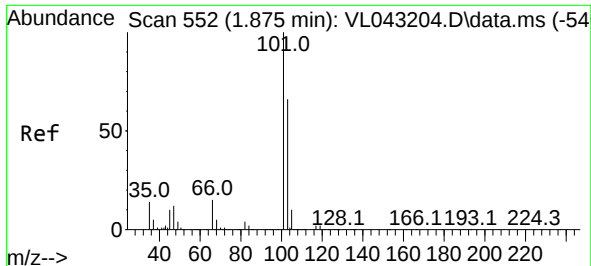


#10
 Heptane
 Concen: 9.347 ppbv
 RT: 4.991 min Scan# 1515
 Delta R.T. 0.026 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31



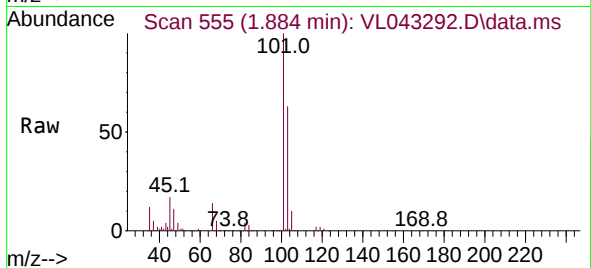
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 Ion Ratio Lower Upper
 43 100
 57 50.6 39.7 59.5





#11
 Trichlorofluoromethane
 Concen: 12.088 ppbv
 RT: 1.884 min Scan# 51
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

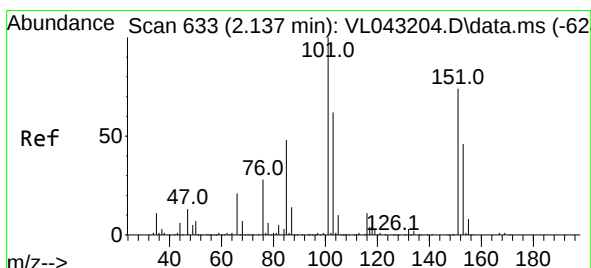
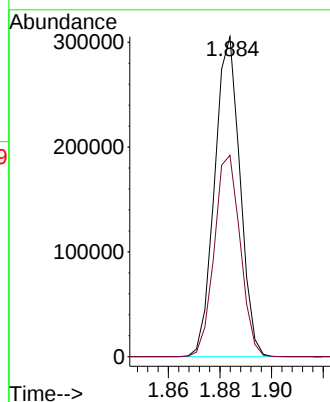
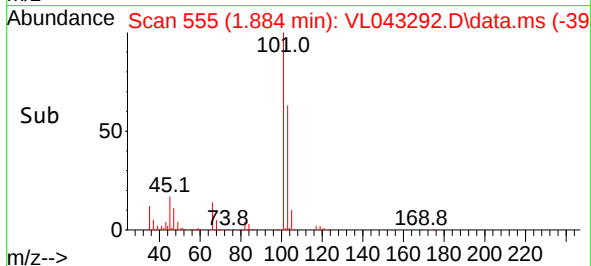
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:101 Resp: 20834
 Ion Ratio Lower Upper
 101 100
 103 62.9 52.6 79.0

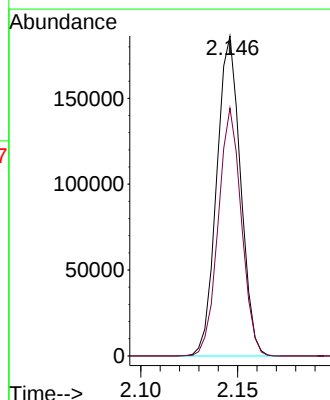
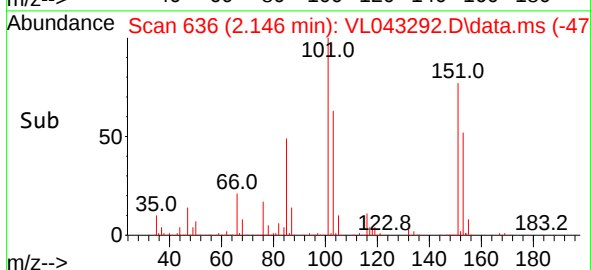
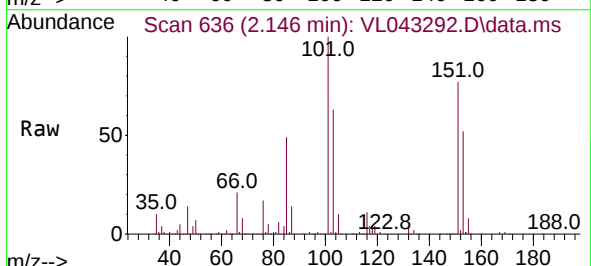
Manual Integrations
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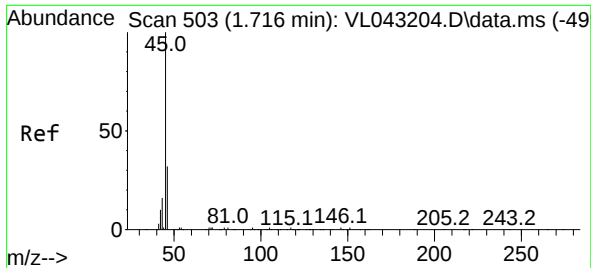
Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.873 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

Tgt Ion:101 Resp: 159759
 Ion Ratio Lower Upper
 101 100
 151 75.2 59.2 88.8





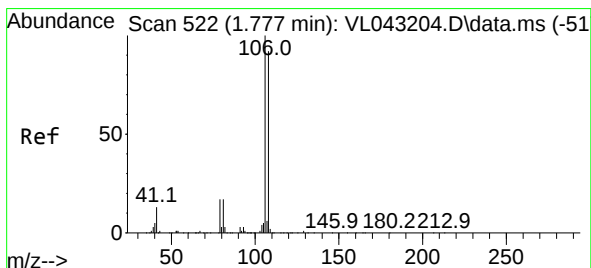
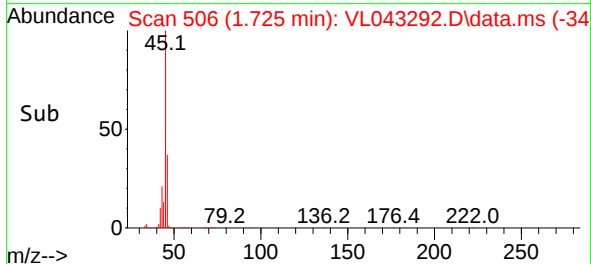
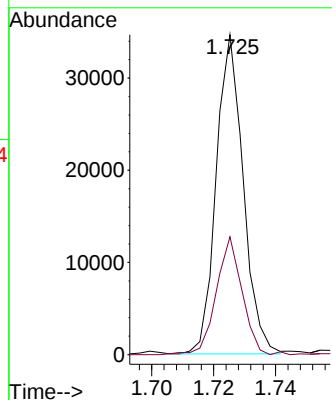
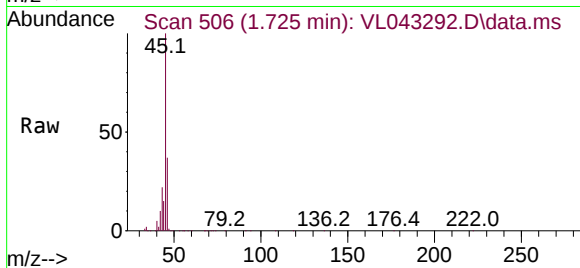
#13
Ethanol
Concen: 8.018 ppbv
RT: 1.725 min Scan# 50
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 20945
Ion Ratio Lower Upper
45 100
46 35.7 15.0 59.8

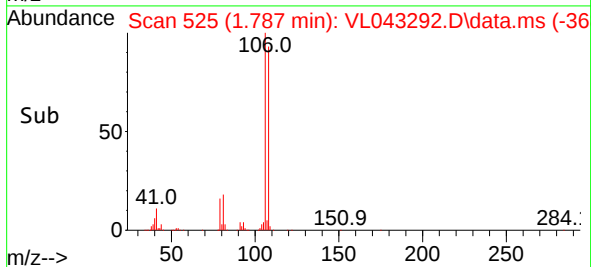
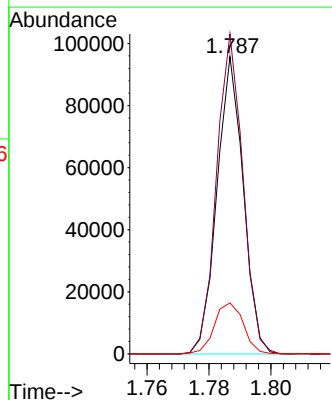
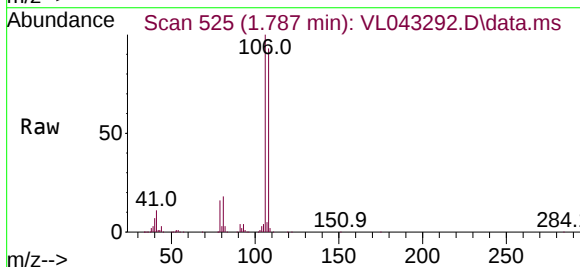
Manual Integrations
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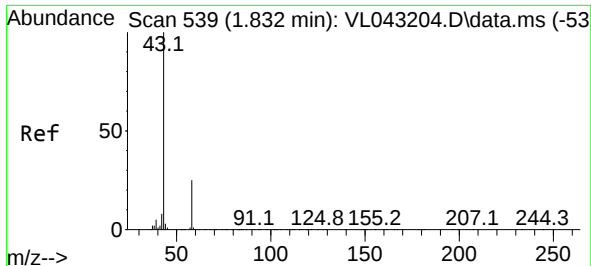
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#14
Bromoethene
Concen: 10.972 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion:108 Resp: 56599
Ion Ratio Lower Upper
108 100
106 107.0 88.9 133.3
79 19.2 16.5 24.7





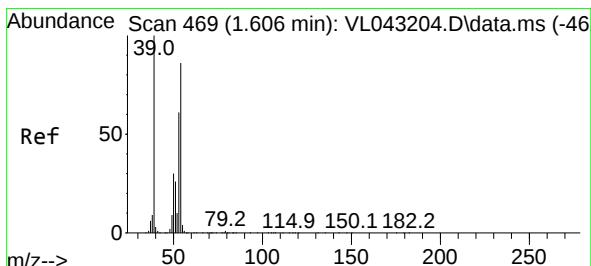
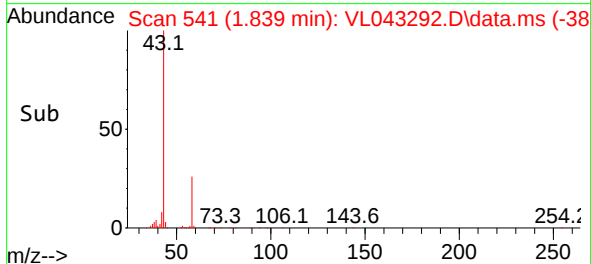
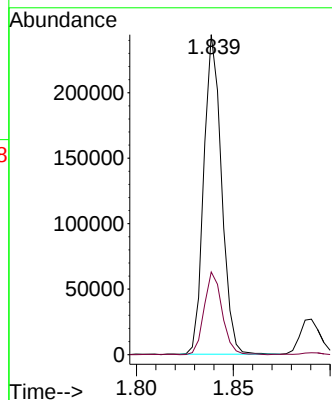
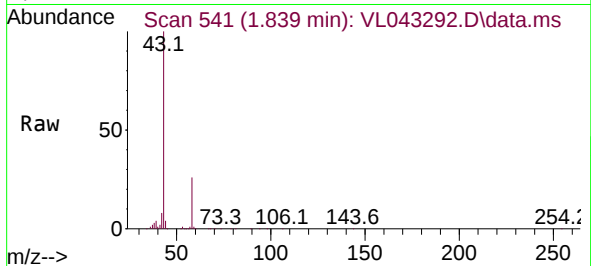
#15
Acetone
Concen: 8.859 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 155242
Ion Ratio Lower Upper
43 100
58 26.3 20.7 31.1

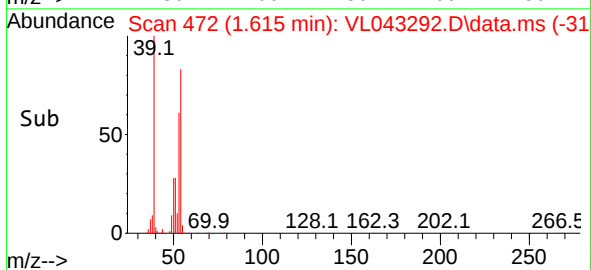
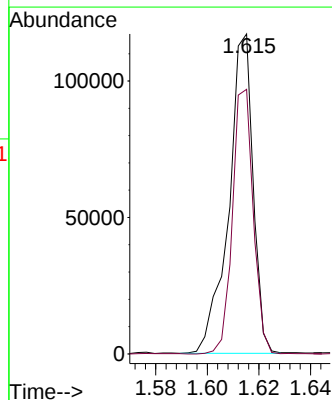
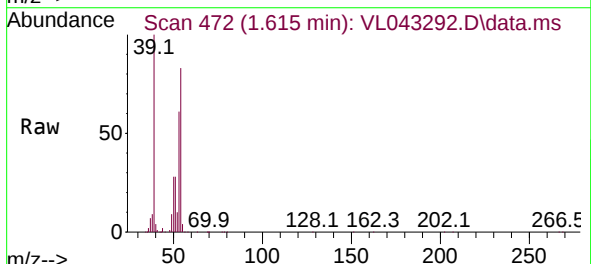
Manual Integrations
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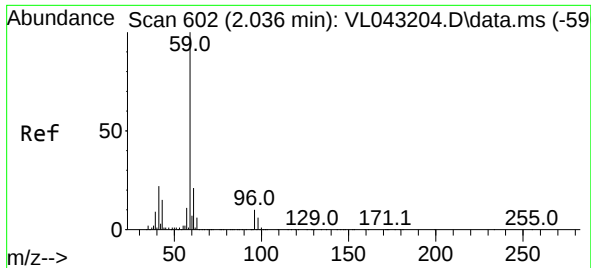
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#16
1,3-Butadiene
Concen: 9.851 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 39 Resp: 76961
Ion Ratio Lower Upper
39 100
54 71.1 59.4 89.2





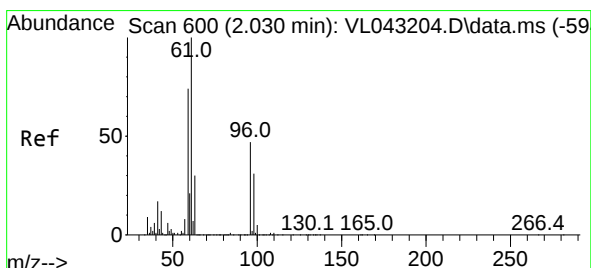
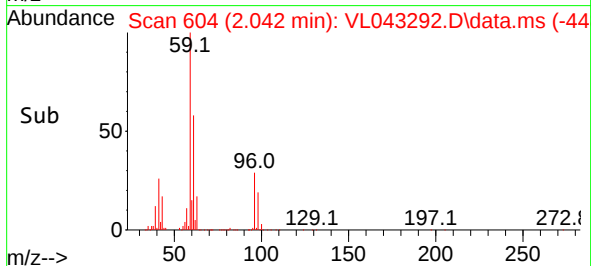
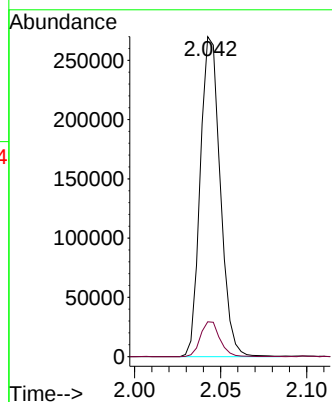
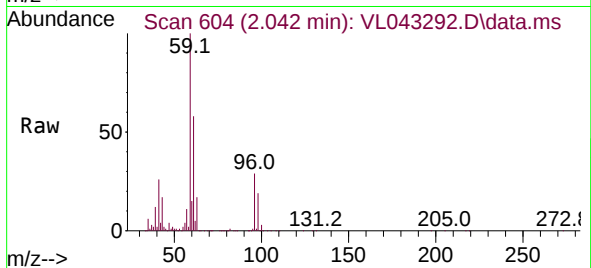
#17
tert-Butyl alcohol
Concen: 9.494 ppbv
RT: 2.042 min Scan# 602
Delta R.T. 0.006 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 21837
Ion Ratio Lower Upper
59 100
57 10.6 9.0 13.4

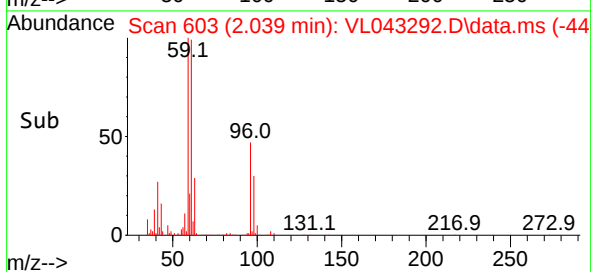
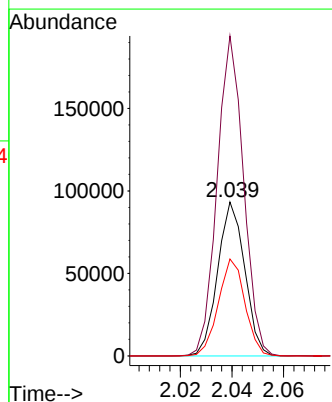
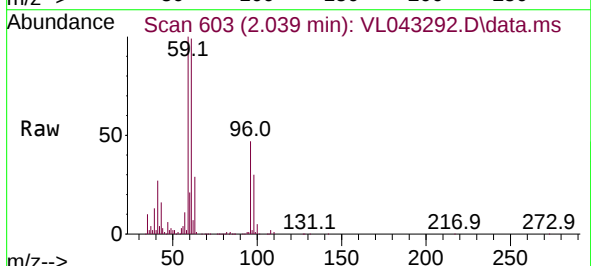
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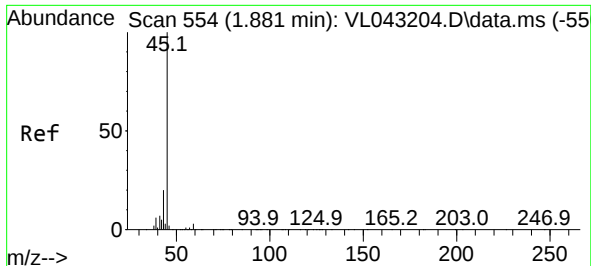
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#18
1,1-Dichloroethene
Concen: 10.867 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 96 Resp: 68084
Ion Ratio Lower Upper
96 100
61 207.9 170.6 255.8
98 63.0 52.2 78.4





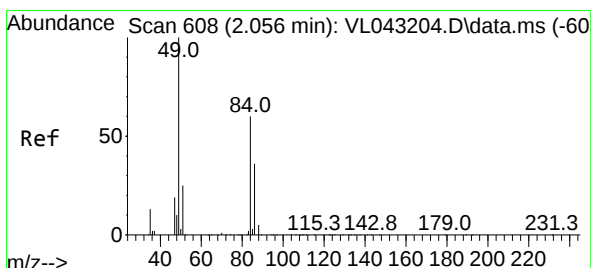
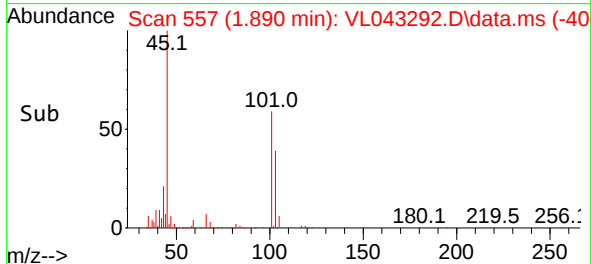
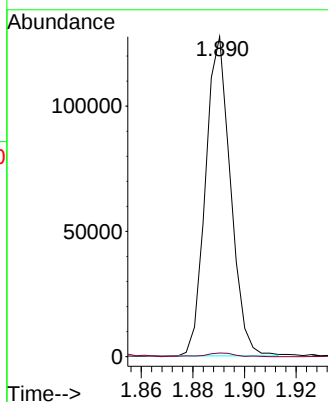
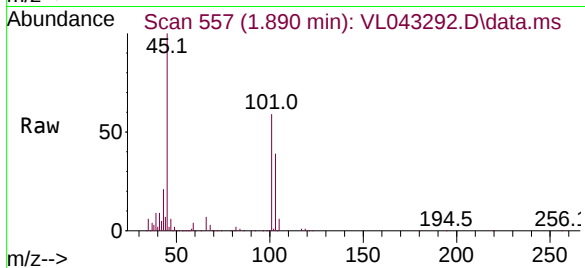
#19
Isopropyl Alcohol
Concen: 8.669 ppbv
RT: 1.890 min Scan# 511
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 85843
Ion Ratio Lower Upper
45 100
58 47.6 31.3 46.9

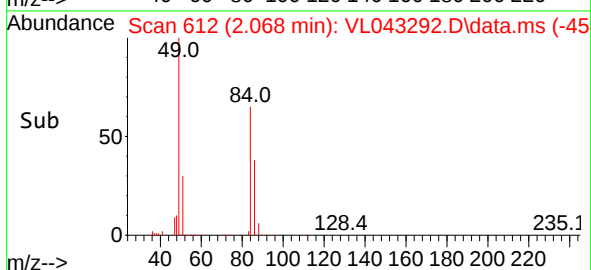
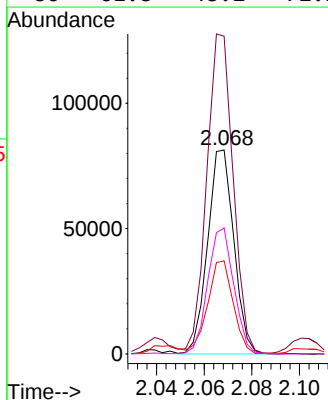
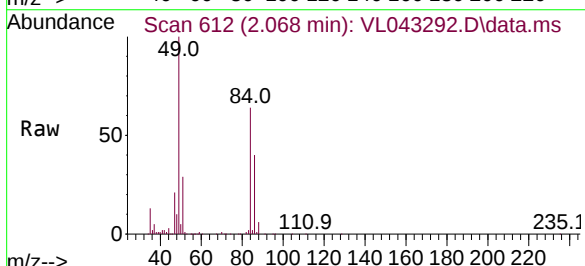
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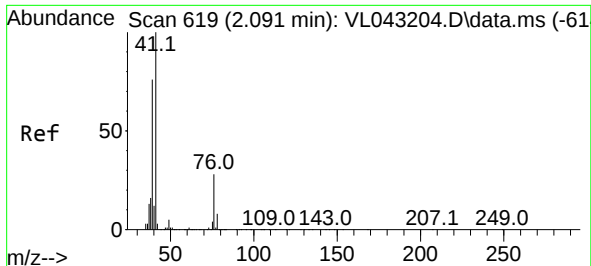
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#20
Methylene Chloride
Concen: 12.206 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.012 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 84 Resp: 62130
Ion Ratio Lower Upper
84 100
49 154.9 132.9 199.3
51 45.4 34.8 52.2
86 61.8 48.2 72.2





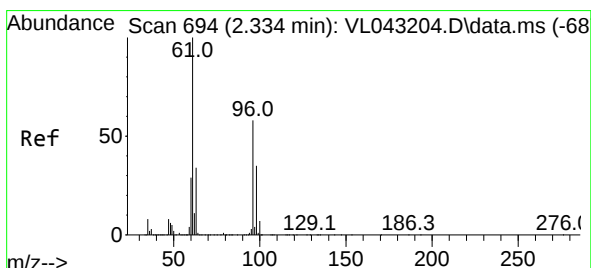
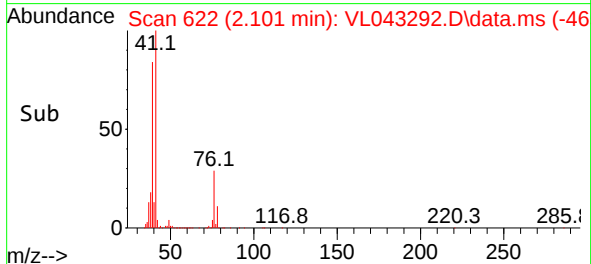
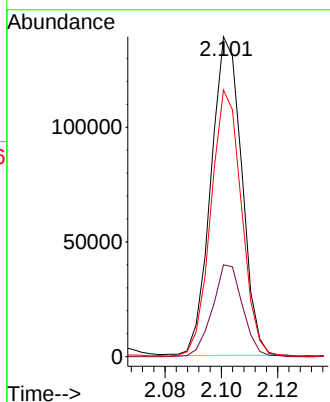
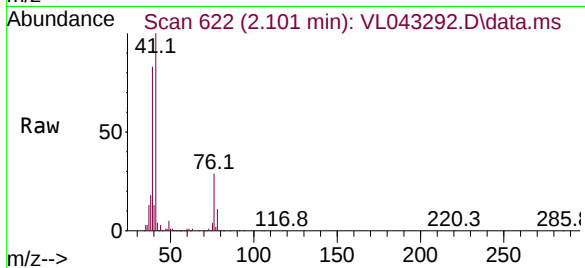
#21
 Allyl Chloride
 Concen: 8.975 ppbv
 RT: 2.101 min Scan# 619
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 105808
 Ion Ratio Lower Upper
 41 100
 76 28.3 22.1 33.1
 39 83.1 61.0 91.4

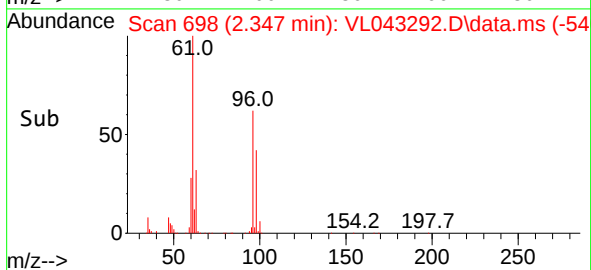
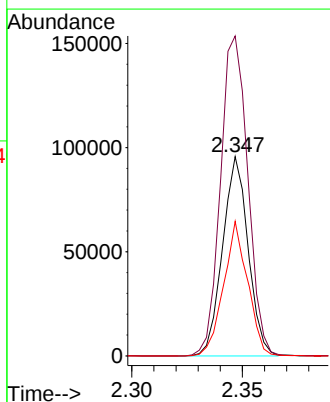
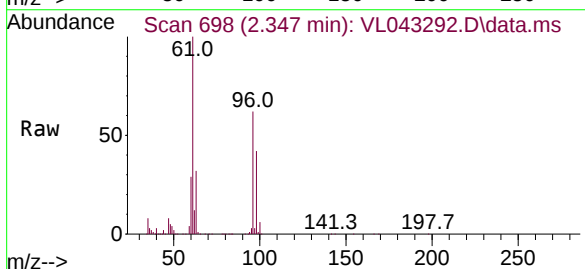
Manual Integrations
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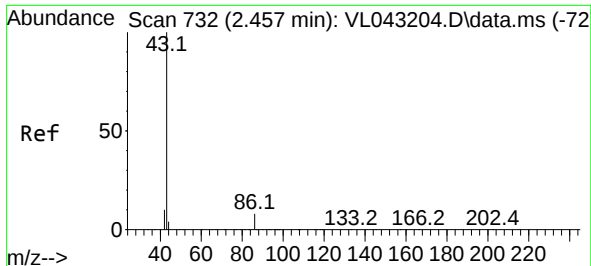
Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025



#22
 trans-1,2-Dichloroethene
 Concen: 10.712 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.013 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

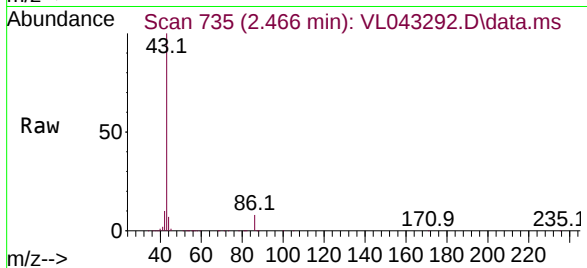
Tgt Ion: 96 Resp: 76709
 Ion Ratio Lower Upper
 96 100
 61 160.6 139.0 208.6
 98 67.4 49.4 74.2





#23
 Vinyl Acetate
 Concen: 9.738 ppbv
 RT: 2.466 min Scan# 731
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

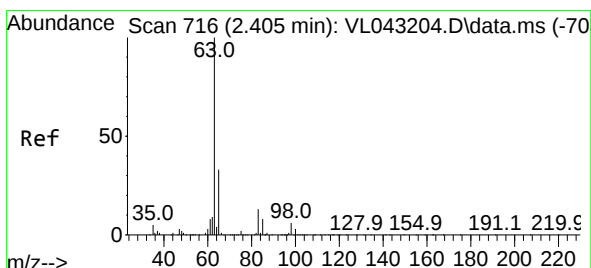
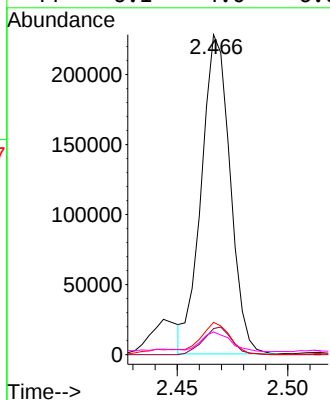
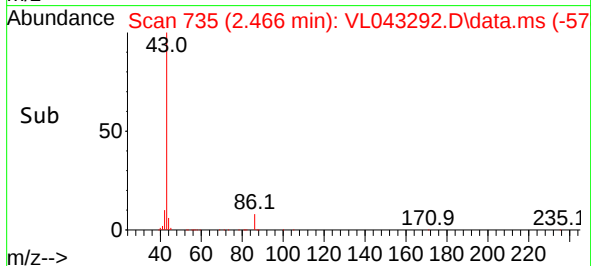
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 43 Resp: 206003
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.2 9.2
 42 10.0 8.0 12.0
 44 6.1 4.0 6.0#

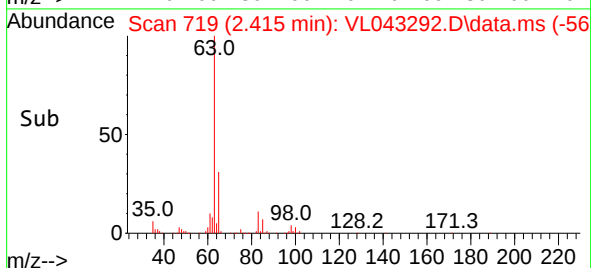
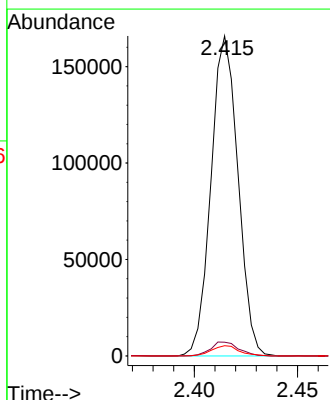
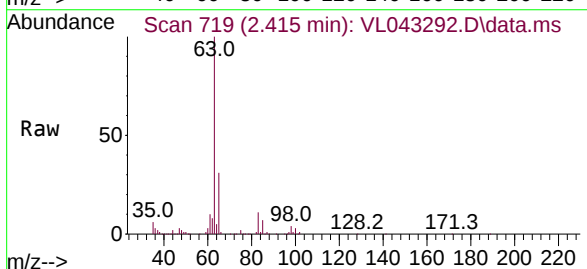
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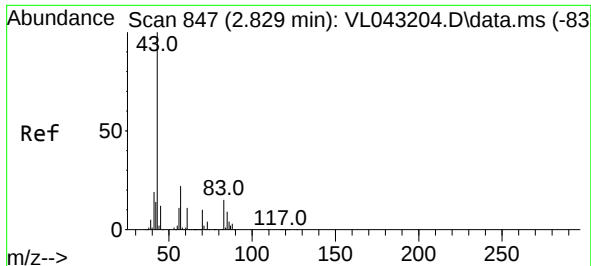
Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025



#24
 1,1-Dichloroethane
 Concen: 10.934 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

Tgt Ion: 63 Resp: 151136
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.8 8.4
 100 3.2 1.3 3.9





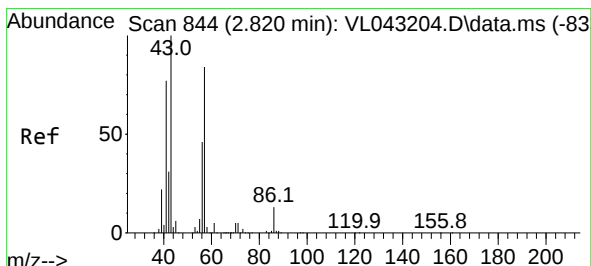
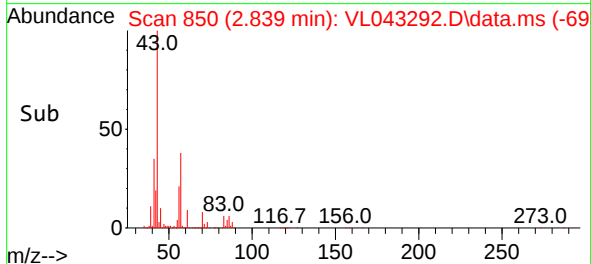
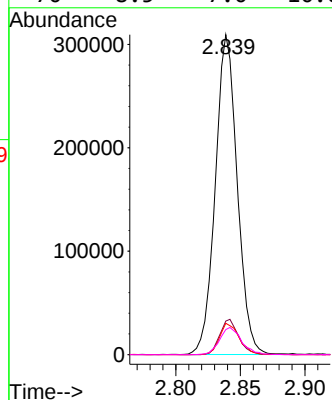
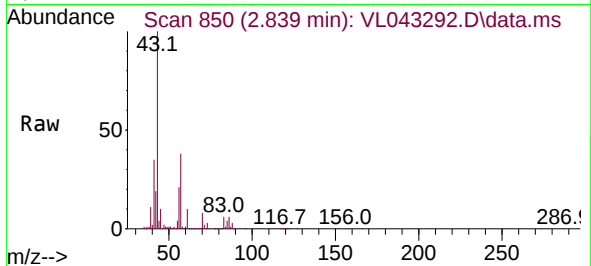
#25
Ethyl Acetate
Concen: 9.701 ppbv
RT: 2.839 min Scan# 847
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 366636
Ion Ratio Lower Upper
43 100
45 9.6 8.1 12.1
61 8.8 7.0 10.4
70 8.5 7.0 10.6

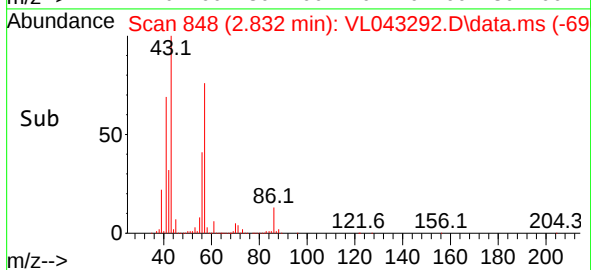
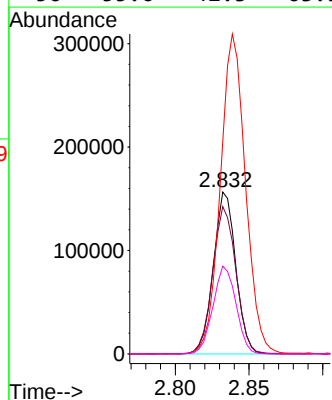
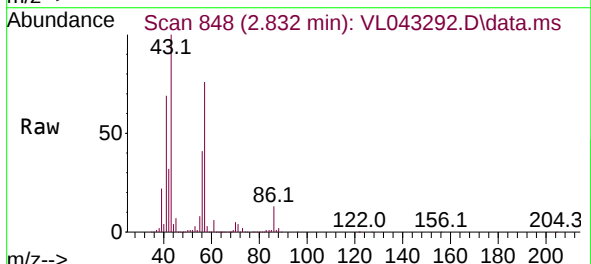
Manual Integrations
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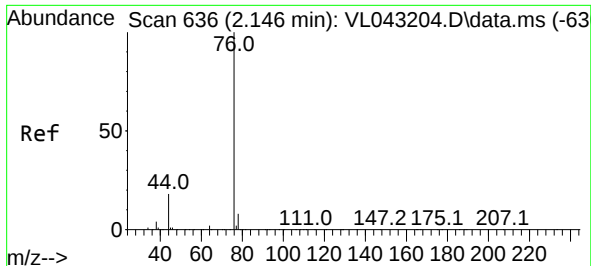
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#26
Hexane
Concen: 9.961 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 57 Resp: 165056
Ion Ratio Lower Upper
57 100
41 95.6 74.6 111.8
43 222.9 179.0 268.4
56 55.6 42.3 63.5





#27

Carbon Disulfide

Concen: 11.380 ppbv

RT: 2.156 min Scan# 636

Delta R.T. 0.009 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 192516

Ion Ratio Lower Upper

76 100

44 21.6 16.1 24.1

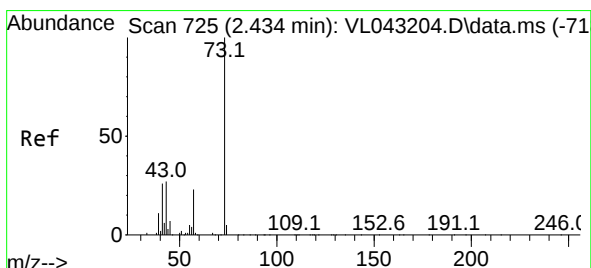
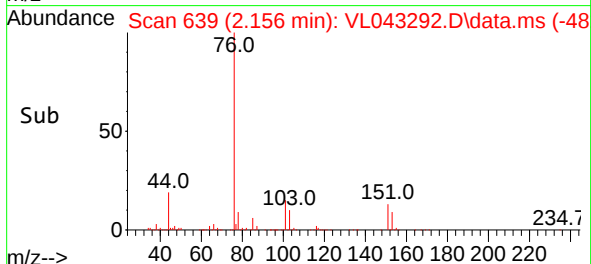
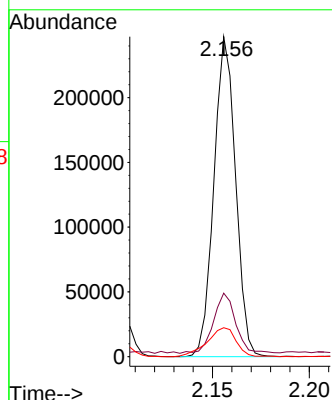
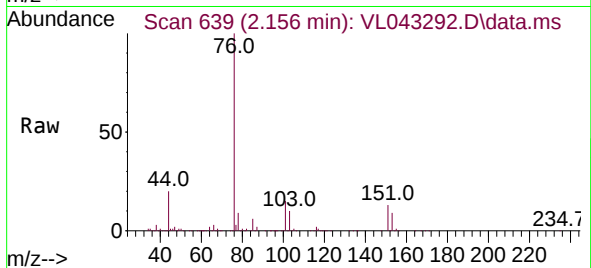
78 12.0 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#28

Methyl tert-Butyl Ether

Concen: 10.615 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.009 min

Lab File: VL043292.D

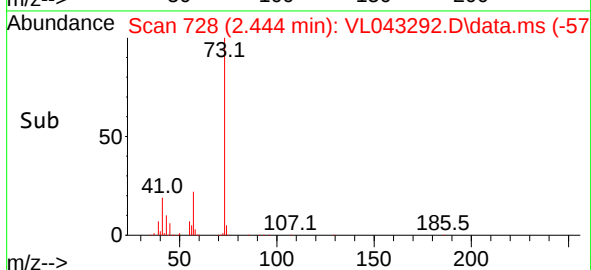
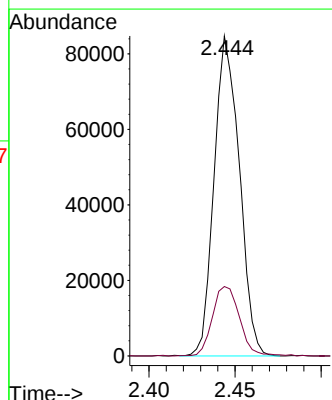
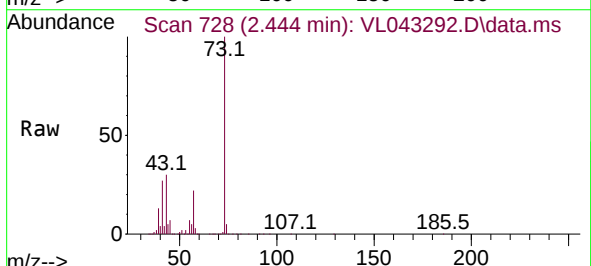
Acq: 02 Dec 2025 09:31

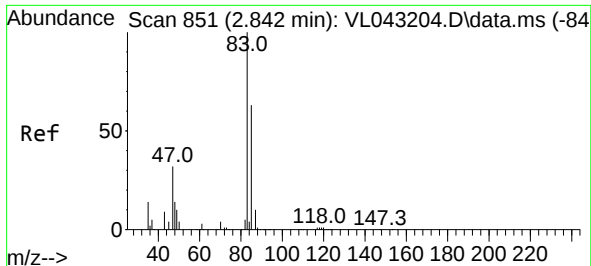
Tgt Ion: 73 Resp: 86340

Ion Ratio Lower Upper

73 100

57 23.4 19.8 29.8





#29

Chloroform

Concen: 11.703 ppbv

RT: 2.855 min Scan# 851

Delta R.T. 0.013 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 275636

Ion Ratio Lower Upper

83 100

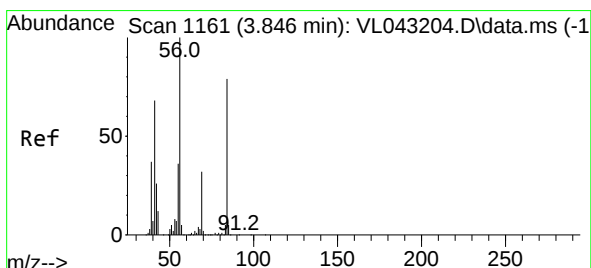
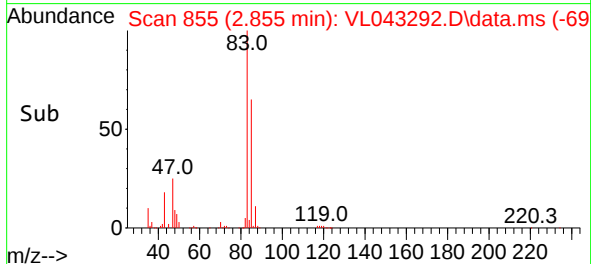
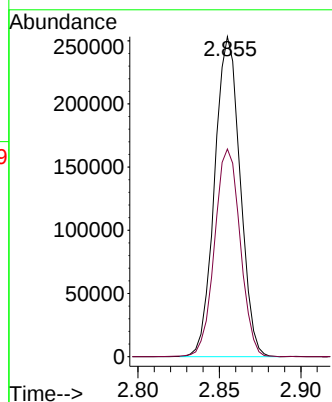
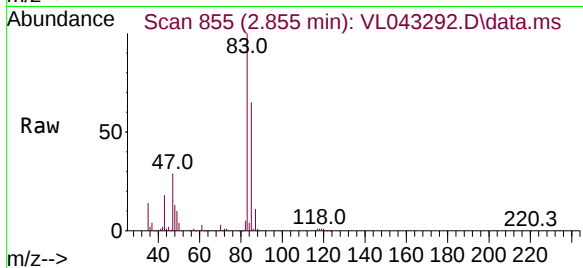
85 64.9 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#30

Cyclohexane

Concen: 10.072 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.019 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

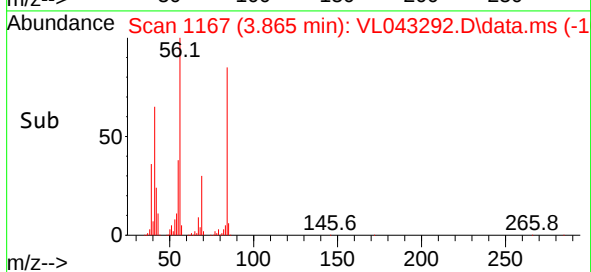
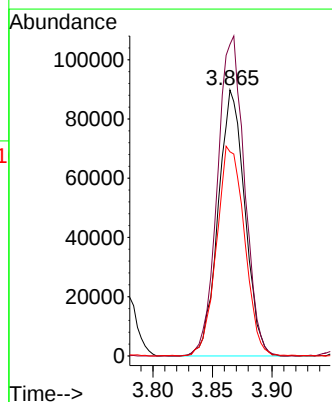
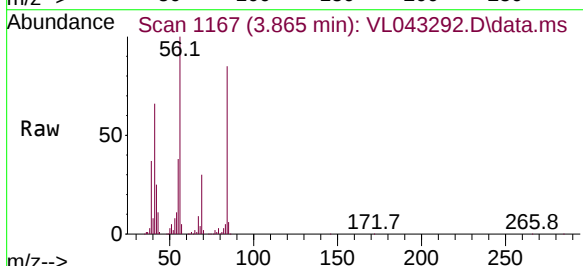
Tgt Ion: 84 Resp: 139919

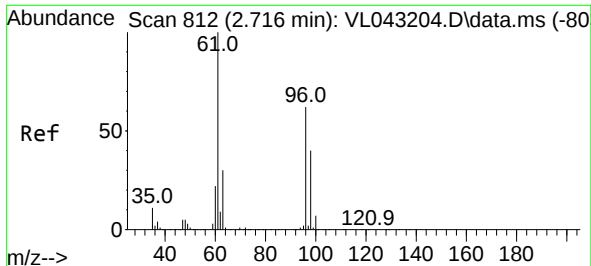
Ion Ratio Lower Upper

84 100

56 121.9 104.7 157.1

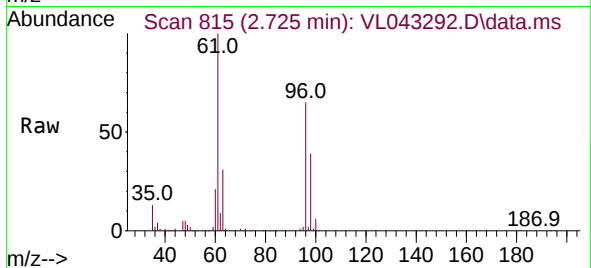
41 82.5 69.0 103.6





#31
 cis-1,2-Dichloroethene
 Concen: 10.309 ppbv
 RT: 2.725 min Scan# 81
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

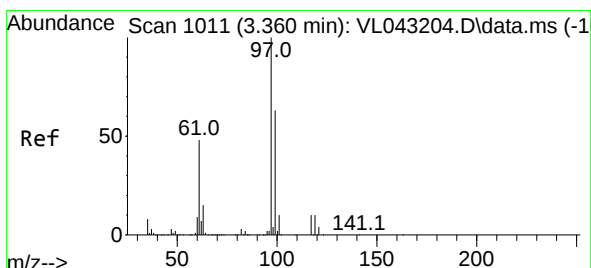
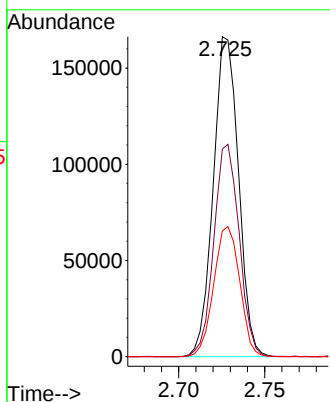
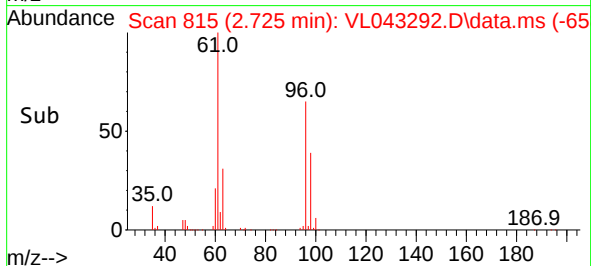
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



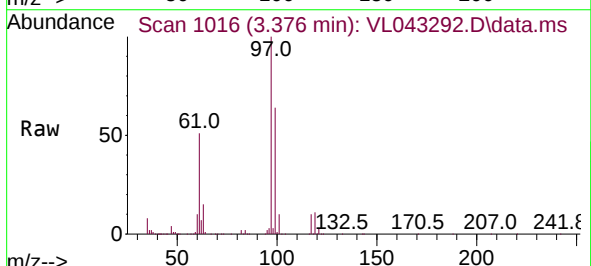
Tgt Ion: 61 Resp: 169792
 Ion Ratio Lower Upper
 61 100
 96 64.9 49.3 73.9
 98 39.3 32.1 48.1

Manual Integrations
 APPROVED

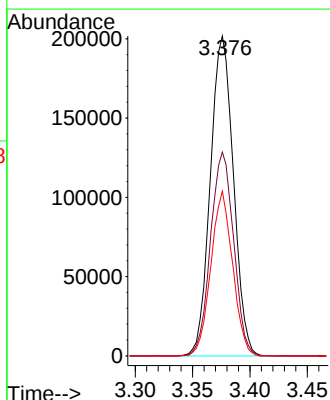
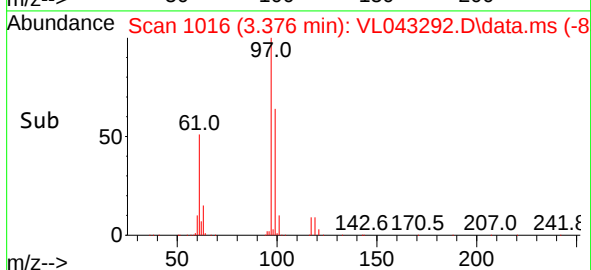
Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

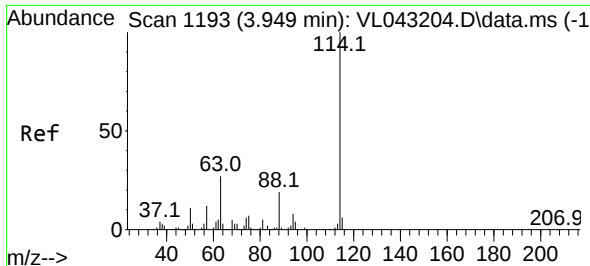


#32
 1,1,1-Trichloroethane
 Concen: 11.224 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.016 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31



Tgt Ion: 97 Resp: 281780
 Ion Ratio Lower Upper
 97 100
 99 63.8 50.3 75.5
 61 48.7 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1193

Delta R.T. 0.016 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

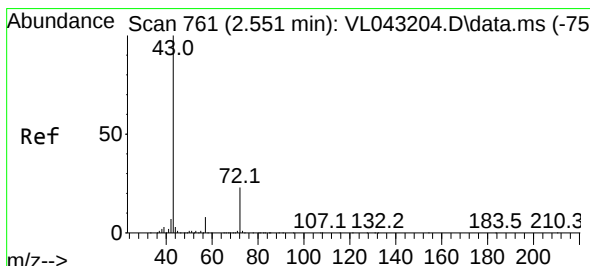
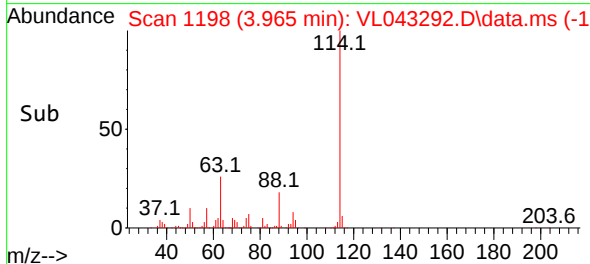
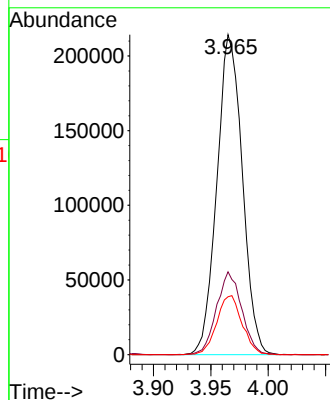
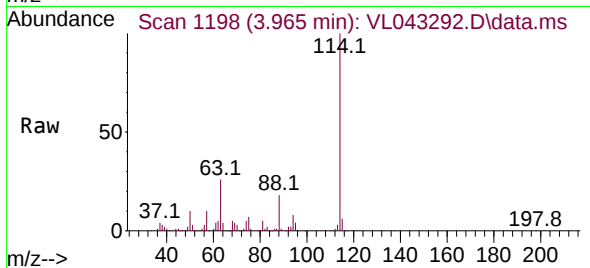
Tgt Ion:114 Resp: 330397

Ion	Ratio	Lower	Upper
114	100		
63	25.6	21.0	31.6
88	18.3	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#34

2-Butanone

Concen: 9.898 ppbv

RT: 2.560 min Scan# 764

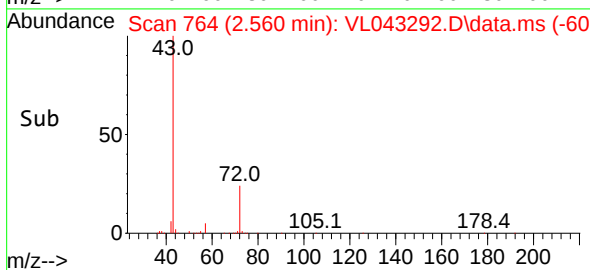
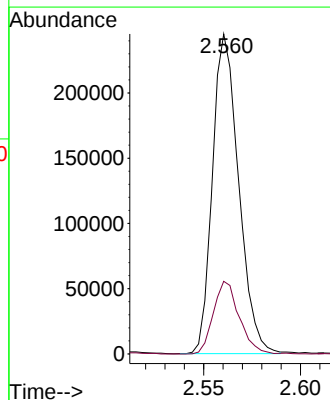
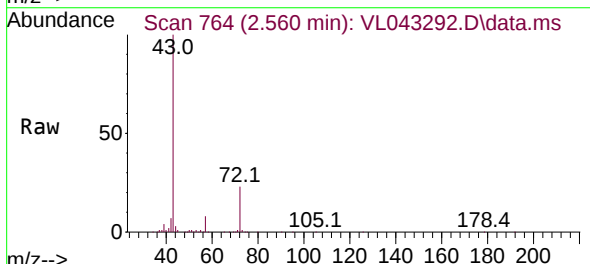
Delta R.T. 0.009 min

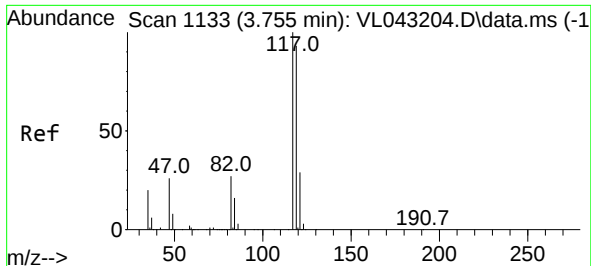
Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Tgt Ion: 43 Resp: 230835

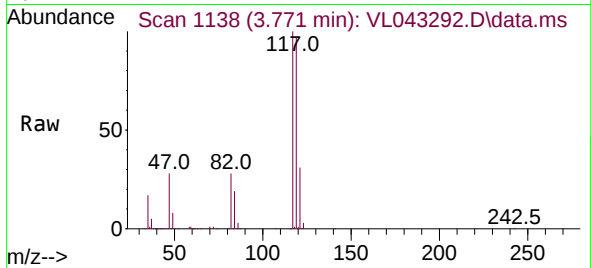
Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.1	27.1





#35
Carbon Tetrachloride
Concen: 11.814 ppbv
RT: 3.771 min Scan# 1133
Delta R.T. 0.016 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

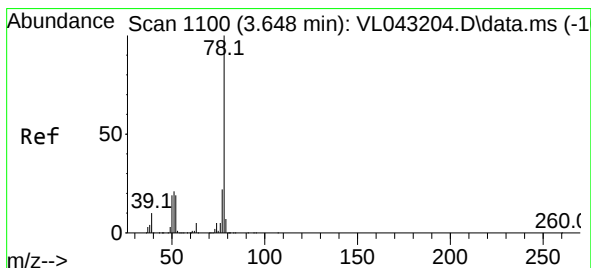
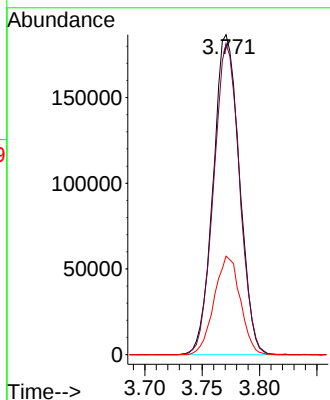
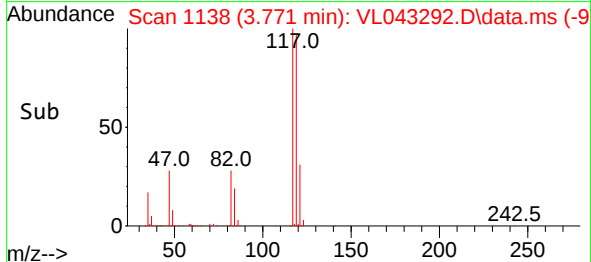
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



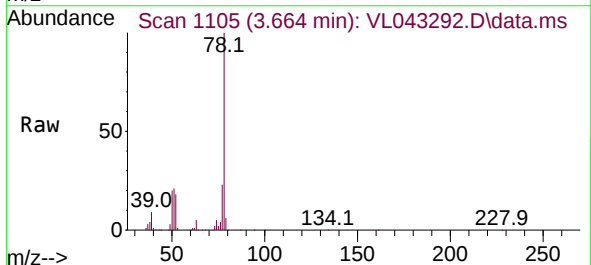
Tgt Ion:117 Resp: 296279
Ion Ratio Lower Upper
117 100
119 97.2 74.6 112.0
121 30.8 23.2 34.8

Manual Integrations
APPROVED

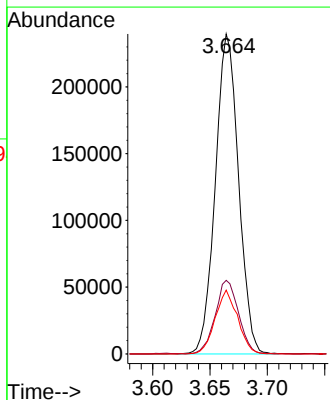
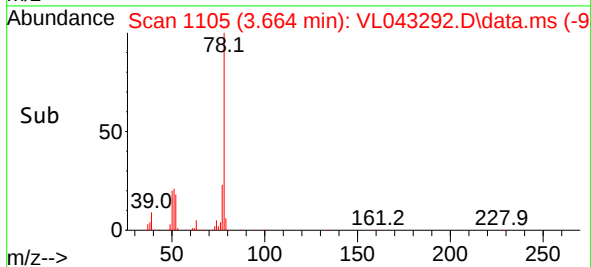
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

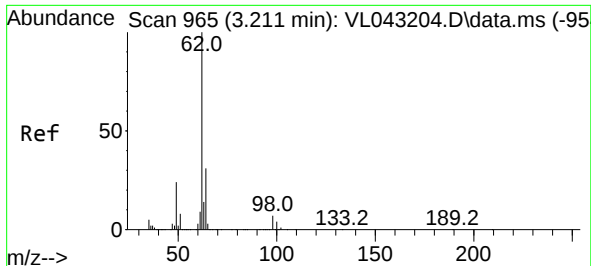


#36
Benzene
Concen: 10.646 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.016 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31



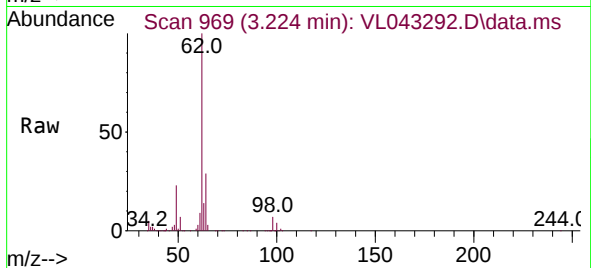
Tgt Ion: 78 Resp: 336842
Ion Ratio Lower Upper
78 100
77 22.9 17.5 26.3
50 19.9 15.5 23.3





#37
1,2-Dichloroethane
Concen: 11.404 ppbv
RT: 3.224 min Scan# 965
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

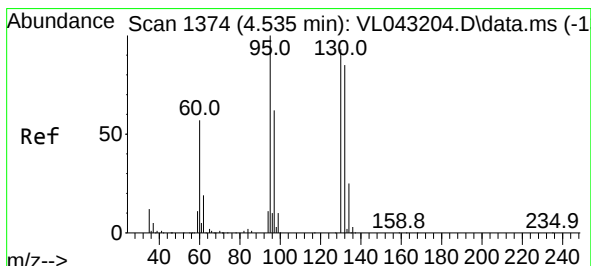
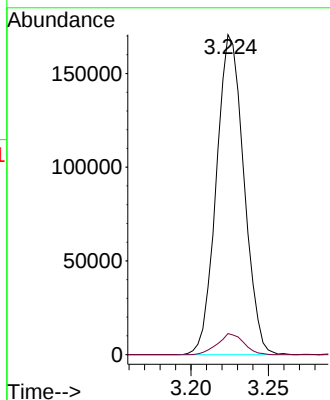
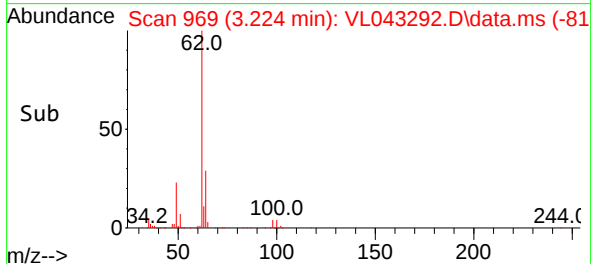
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



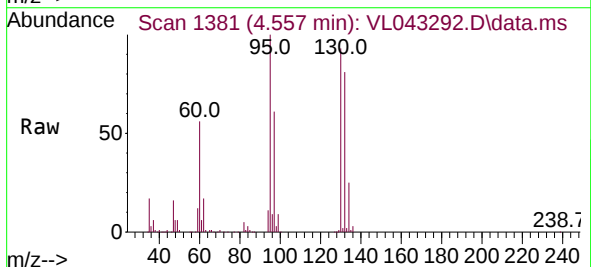
Tgt Ion: 62 Resp: 211062
Ion Ratio Lower Upper
62 100
98 6.2 5.5 8.3

Manual Integrations
APPROVED

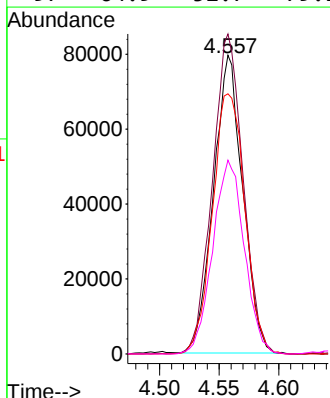
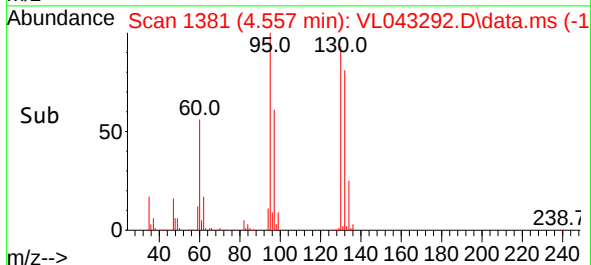
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

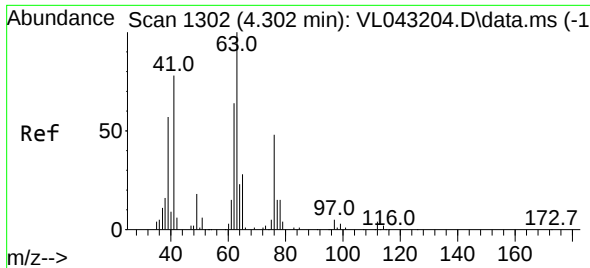


#38
Trichloroethene
Concen: 10.991 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.022 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31



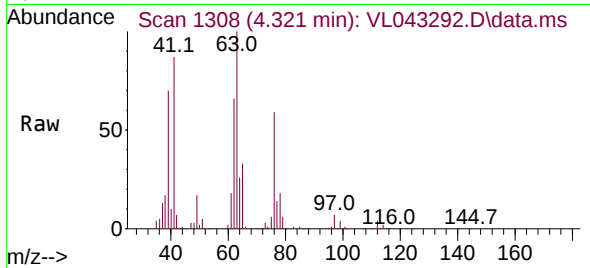
Tgt Ion:130 Resp: 136063
Ion Ratio Lower Upper
130 100
95 107.1 85.7 128.5
132 87.2 73.4 110.0
97 64.9 52.7 79.1





#39
1,2-Dichloropropane
Concen: 10.478 ppbv
RT: 4.321 min Scan# 1308
Delta R.T. 0.019 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

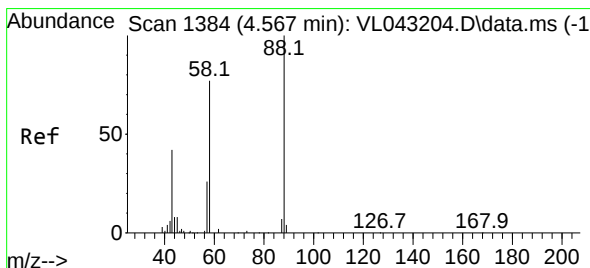
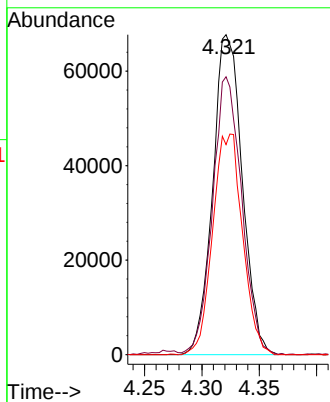
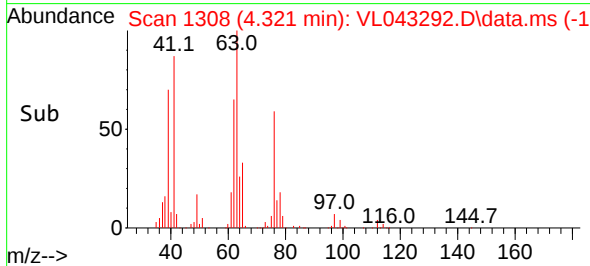
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



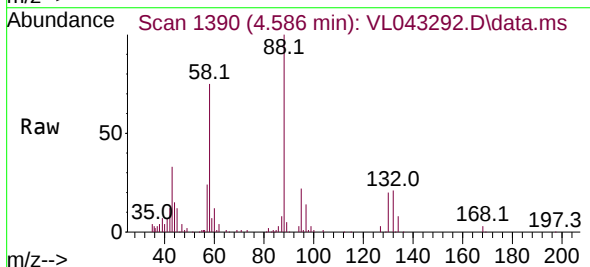
Tgt Ion: 63 Resp: 121342
Ion Ratio Lower Upper
63 100
41 86.7 62.6 93.8
62 65.6 51.0 76.6

Manual Integrations
APPROVED

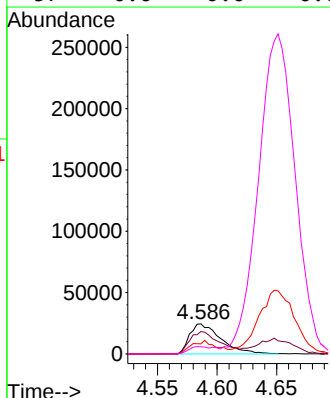
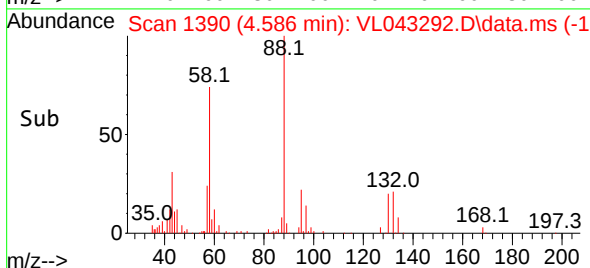
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

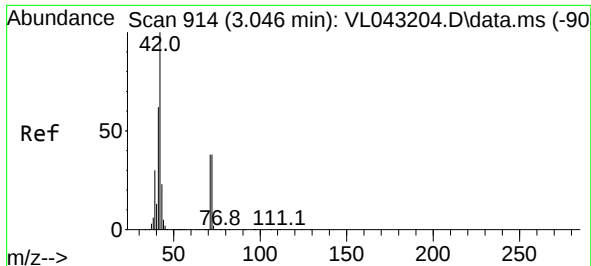


#40
1,4-Dioxane
Concen: 8.557 ppbv
RT: 4.586 min Scan# 1390
Delta R.T. 0.019 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31



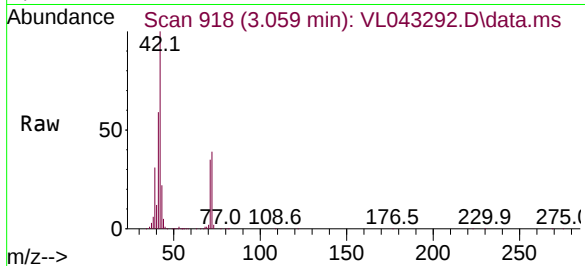
Tgt Ion: 88 Resp: 44549
Ion Ratio Lower Upper
88 100
58 71.2 63.0 94.6
43 36.1 32.5 48.7
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.590 ppbv
RT: 3.059 min Scan# 914
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

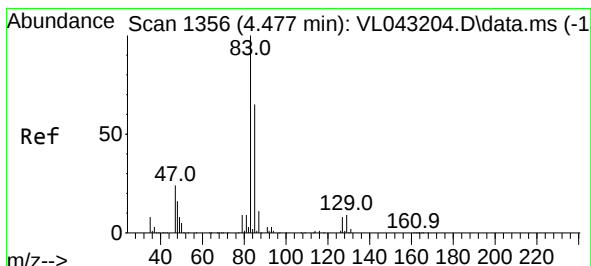
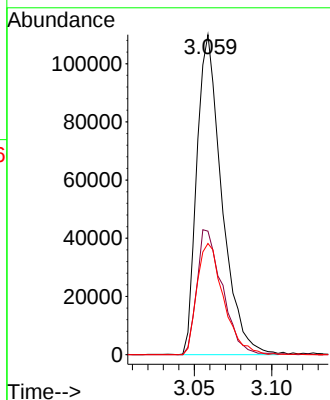
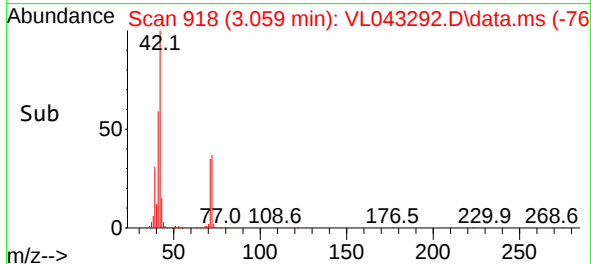
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



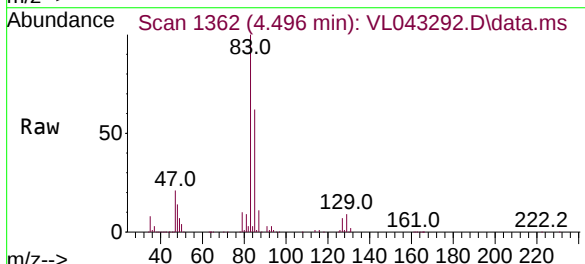
Tgt Ion: 42 Resp: 123505
Ion Ratio Lower Upper
42 100
72 39.7 30.6 46.0
71 37.0 30.5 45.7

Manual Integrations
APPROVED

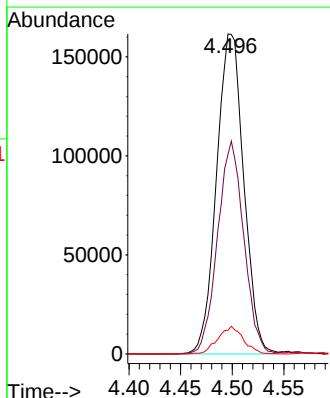
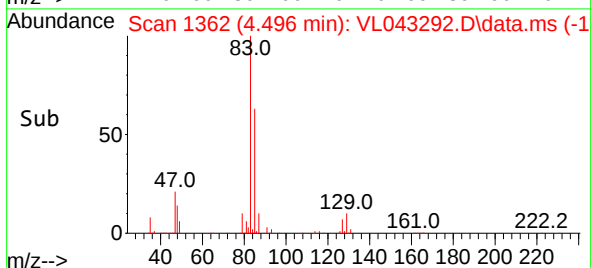
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

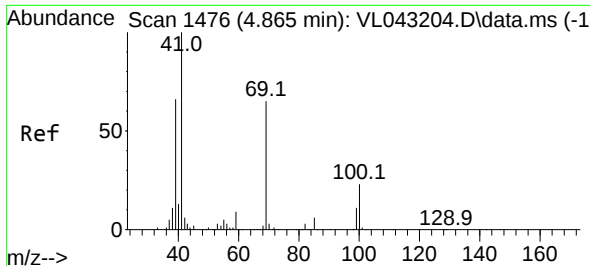


#42
Bromodichloromethane
Concen: 11.628 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.019 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31



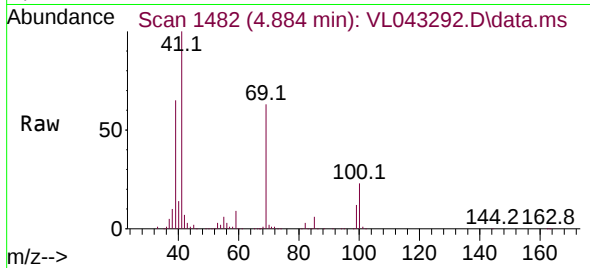
Tgt Ion: 83 Resp: 296882
Ion Ratio Lower Upper
83 100
85 62.2 51.7 77.5
127 7.4 6.3 9.5





#43
Methyl Methacrylate
Concen: 9.350 ppbv
RT: 4.884 min Scan# 1476
Delta R.T. 0.019 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

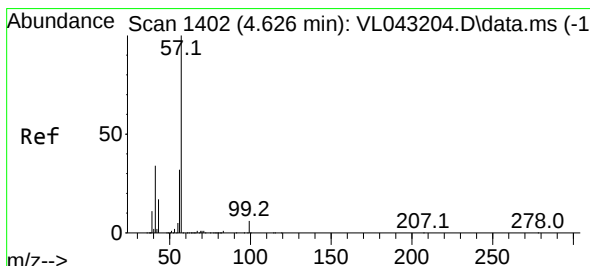
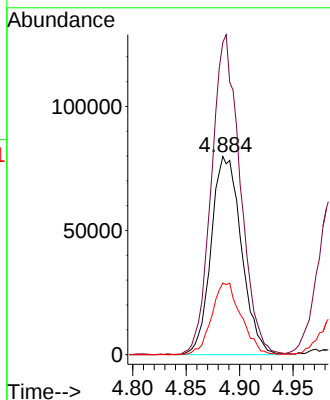
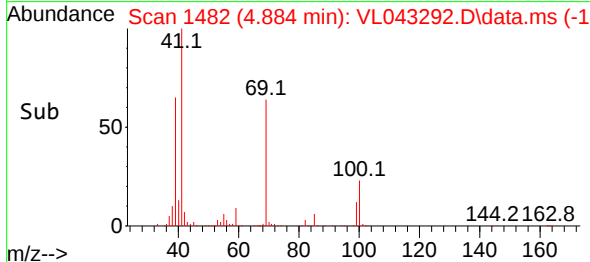
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



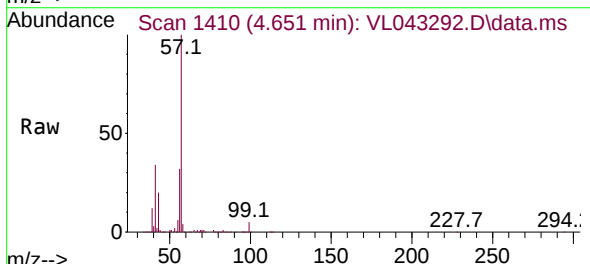
Tgt Ion: 69 Resp: 157030
Ion Ratio Lower Upper
69 100
41 153.9 126.7 190.1
100 35.4 28.6 43.0

Manual Integrations
APPROVED

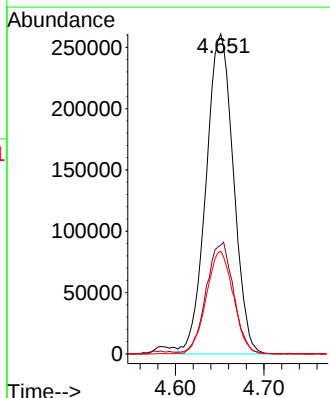
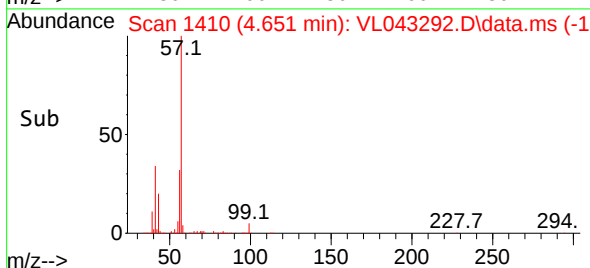
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

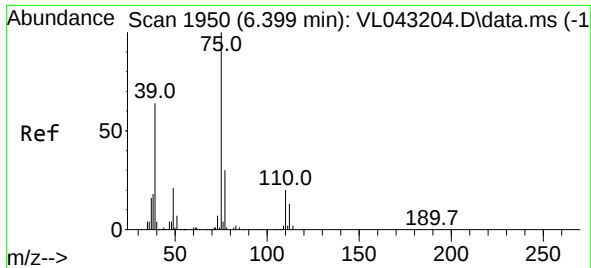


#44
2,2,4-Trimethylpentane
Concen: 10.322 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.026 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31



Tgt Ion: 57 Resp: 560933
Ion Ratio Lower Upper
57 100
41 34.7 28.0 42.0
56 31.9 25.6 38.4





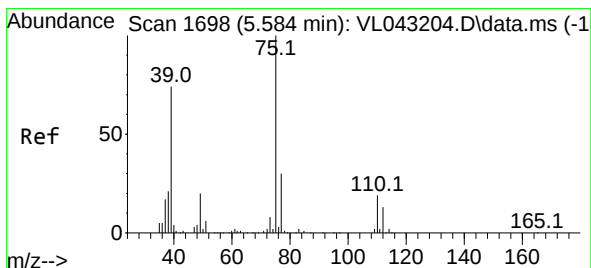
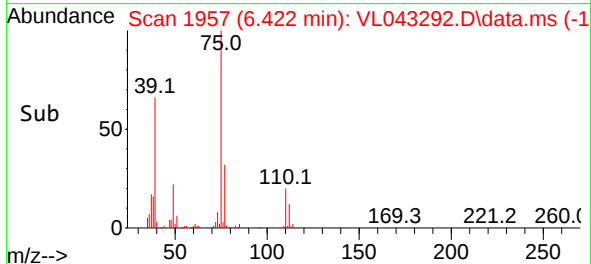
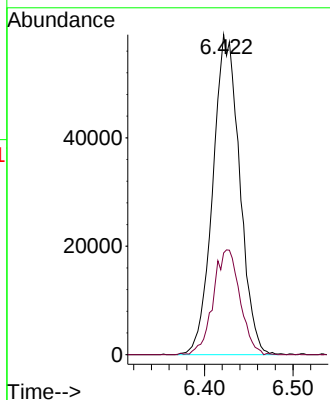
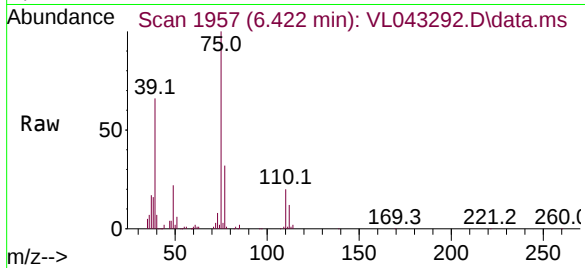
#45
t-1,3-Dichloropropene
Concen: 7.934 ppbv
RT: 6.422 min Scan# 1950
Delta R.T. 0.022 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 124214
Ion Ratio Lower Upper
75 100
77 31.8 24.3 36.5

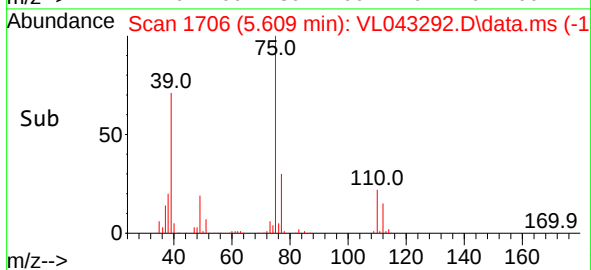
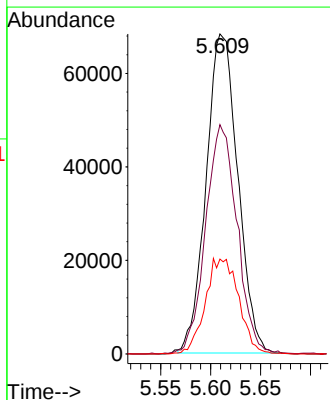
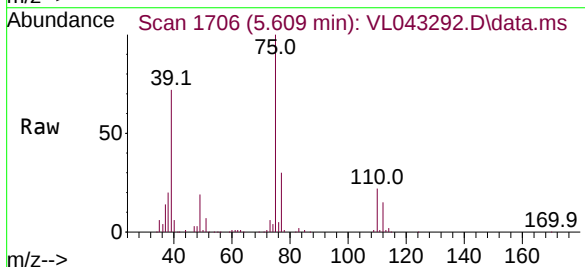
Manual Integrations
APPROVED

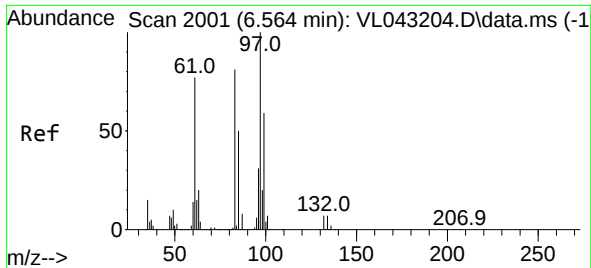
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#46
cis-1,3-Dichloropropene
Concen: 8.197 ppbv
RT: 5.609 min Scan# 1706
Delta R.T. 0.026 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

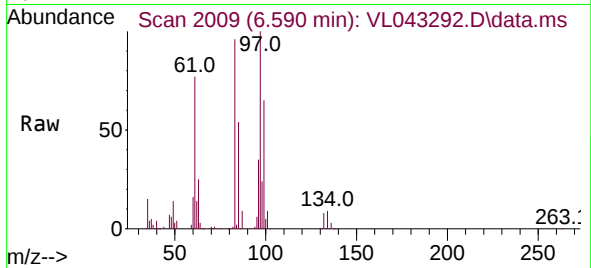
Tgt Ion: 75 Resp: 150697
Ion Ratio Lower Upper
75 100
39 70.9 59.1 88.7
77 29.5 24.2 36.2





#47
1,1,2-Trichloroethane
Concen: 10.819 ppbv
RT: 6.590 min Scan# 2009
Delta R.T. 0.026 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

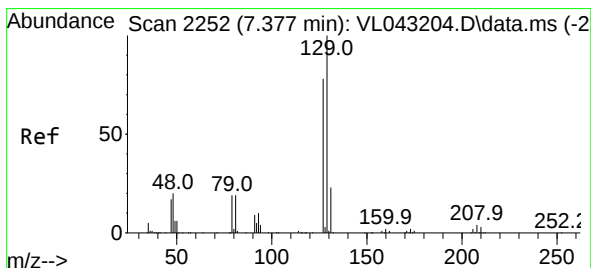
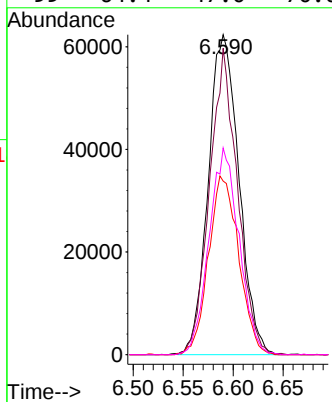
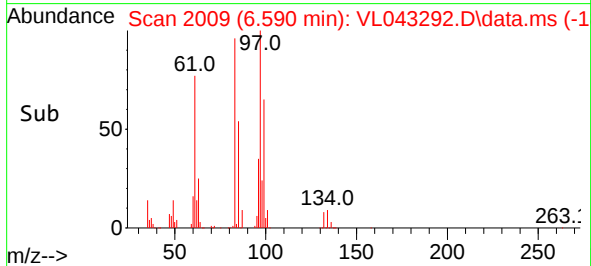
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 97 Resp: 132966
Ion Ratio Lower Upper
97 100
83 95.6 64.6 97.0
85 54.2 39.4 59.2
99 64.4 47.0 70.6

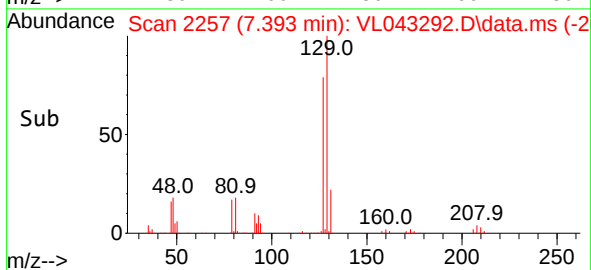
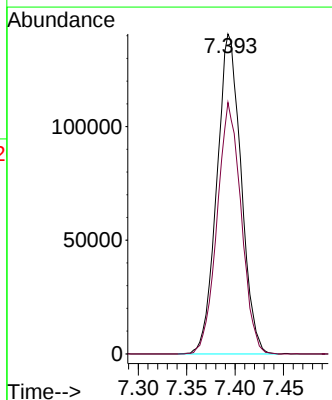
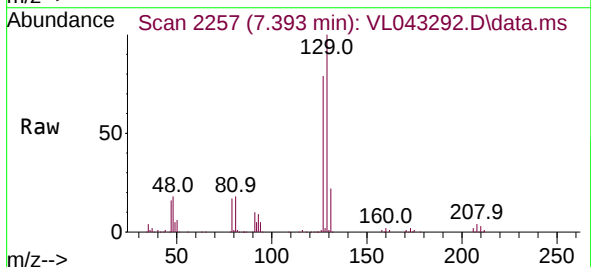
Manual Integrations
APPROVED

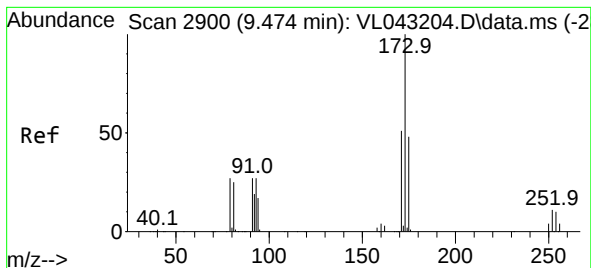
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#48
Dibromochloromethane
Concen: 11.601 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.016 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion:129 Resp: 245129
Ion Ratio Lower Upper
129 100
127 77.9 39.3 117.9





#49

Bromoform

Concen: 11.249 ppbv

RT: 9.490 min Scan# 2900

Delta R.T. 0.016 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

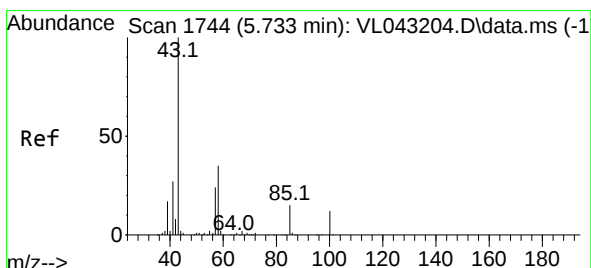
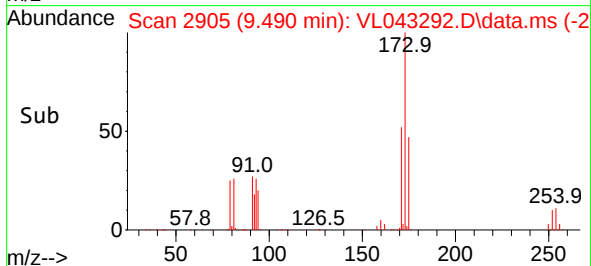
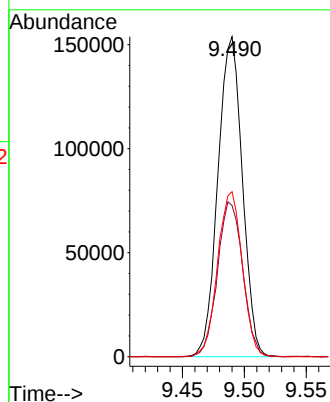
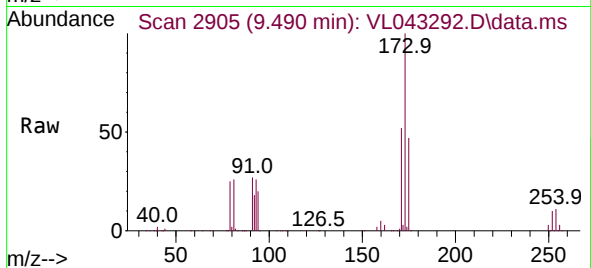
VSTDCCC010

Tgt Ion:173 Resp: 210532
 Ion Ratio Lower Upper
 173 100
 175 49.9 38.6 58.0
 171 52.1 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025



#50

4-Methyl-2-Pentanone

Concen: 9.326 ppbv

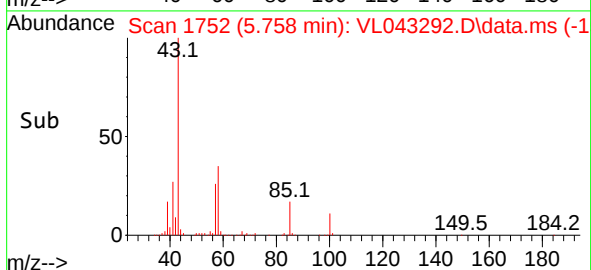
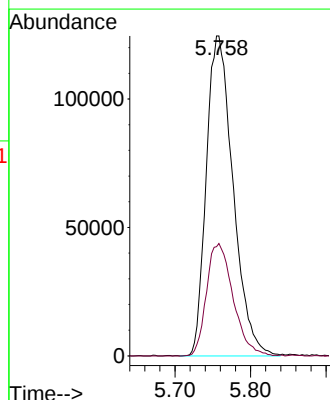
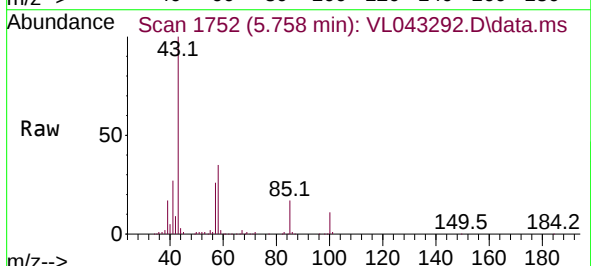
RT: 5.758 min Scan# 1752

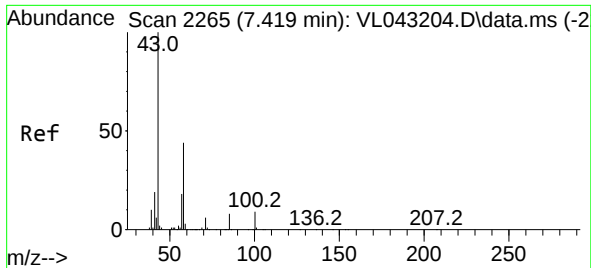
Delta R.T. 0.026 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Tgt Ion: 43 Resp: 306398
 Ion Ratio Lower Upper
 43 100
 58 34.9 28.4 42.6





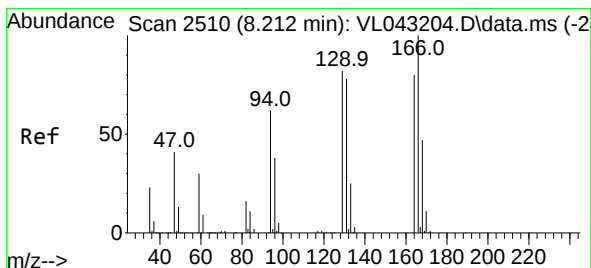
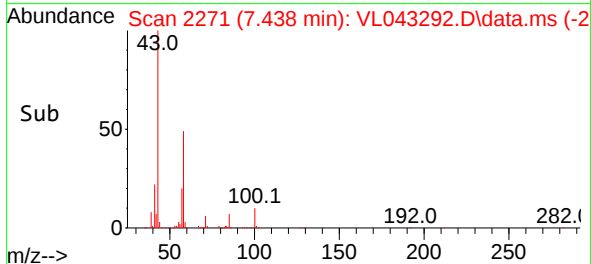
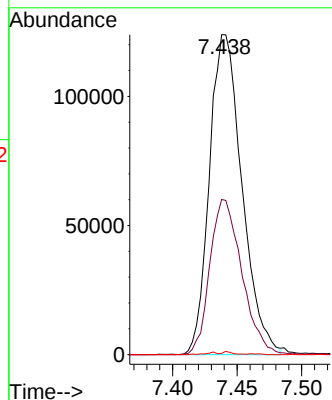
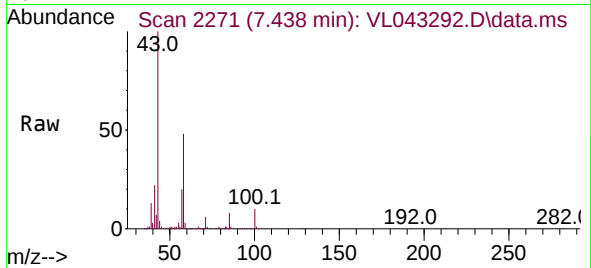
#51
2-Hexanone
Concen: 8.527 ppbv
RT: 7.438 min Scan# 21753
Delta R.T. 0.019 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 21753
Ion Ratio Lower Upper
43 100
58 47.7 38.4 57.6
98 0.6 0.0 0.0

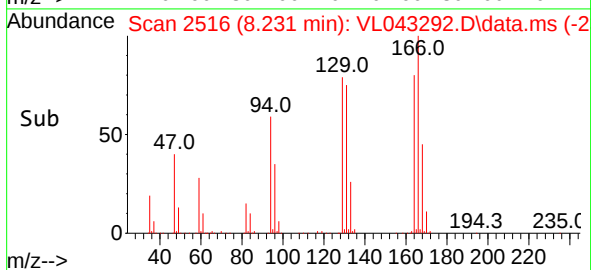
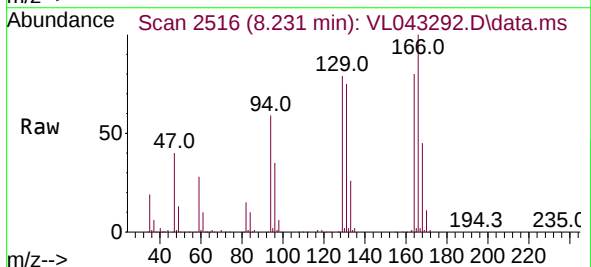
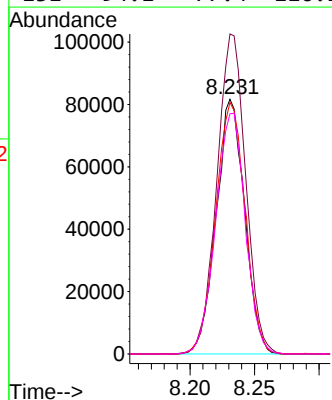
Manual Integrations
APPROVED

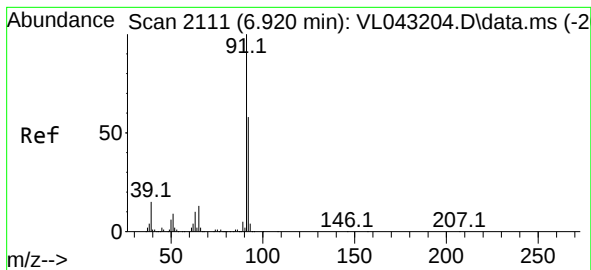
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#52
Tetrachloroethene
Concen: 10.669 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.019 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion:164 Resp: 125569
Ion Ratio Lower Upper
164 100
166 125.5 99.4 149.2
129 98.6 81.8 122.8
131 94.1 77.4 116.2





#53

Toluene

Concen: 10.078 ppbv

RT: 6.943 min Scan# 2111

Delta R.T. 0.022 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 377598

Ion Ratio Lower Upper

91 100

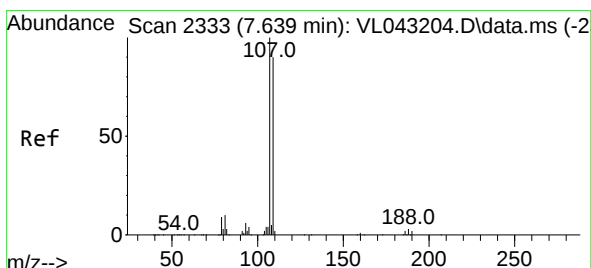
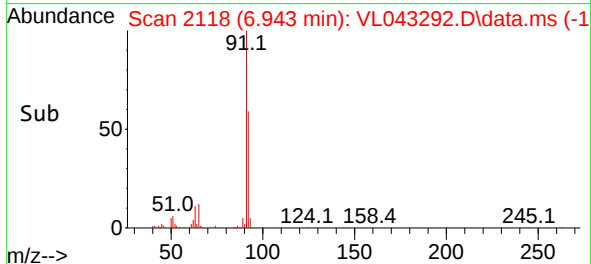
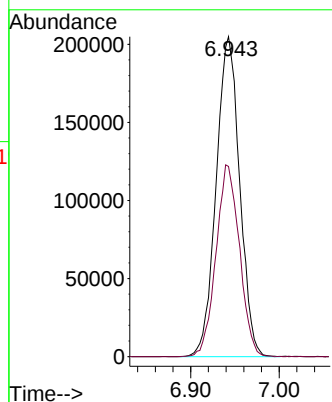
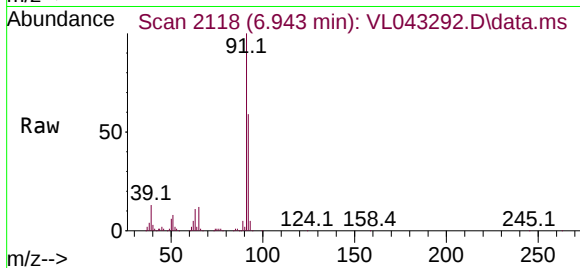
92 59.8 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#54

1,2-Dibromoethane

Concen: 10.188 ppbv

RT: 7.658 min Scan# 2339

Delta R.T. 0.019 min

Lab File: VL043292.D

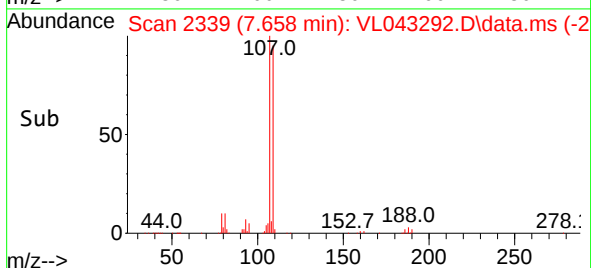
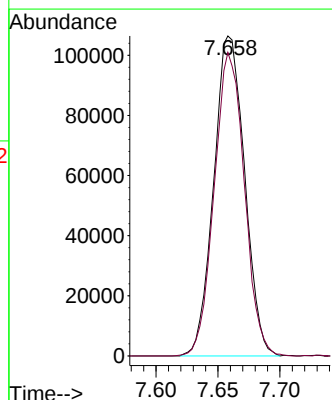
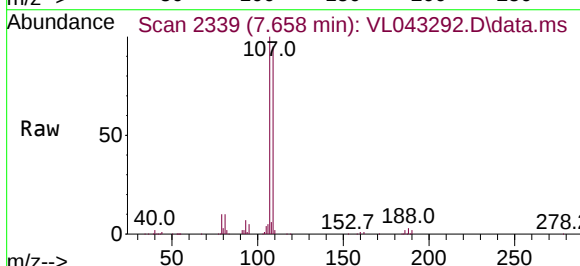
Acq: 02 Dec 2025 09:31

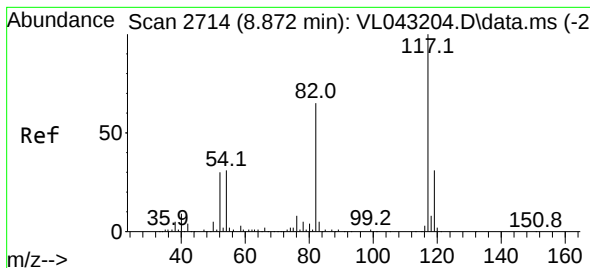
Tgt Ion:107 Resp: 184265

Ion Ratio Lower Upper

107 100

109 94.6 72.1 108.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.016 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:117 Resp: 260796

Ion Ratio Lower Upper

117 100

82 70.5 56.1 84.1

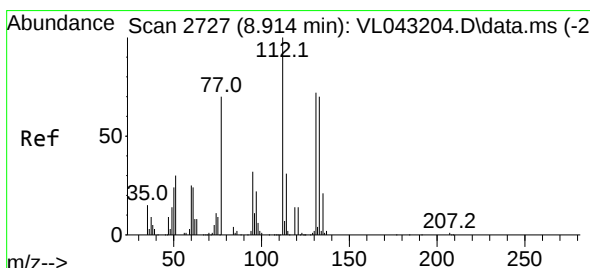
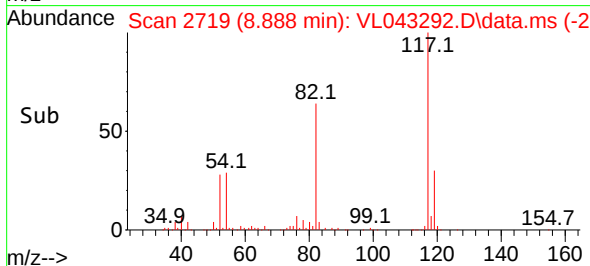
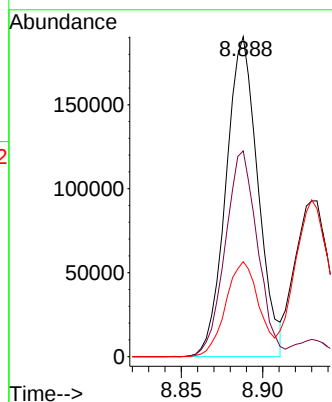
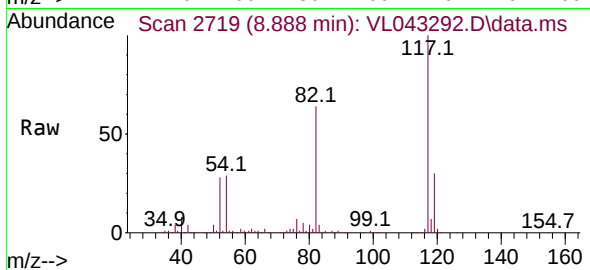
119 32.1 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 11.805 ppbv

RT: 8.930 min Scan# 2732

Delta R.T. 0.016 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

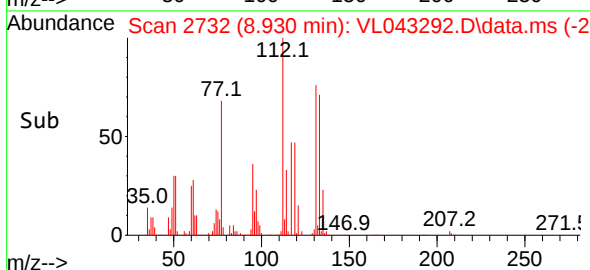
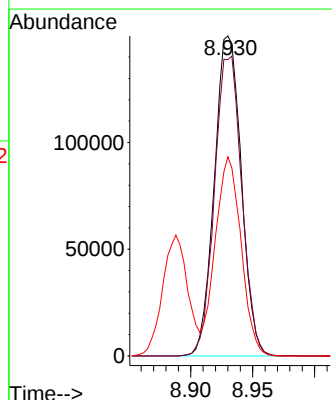
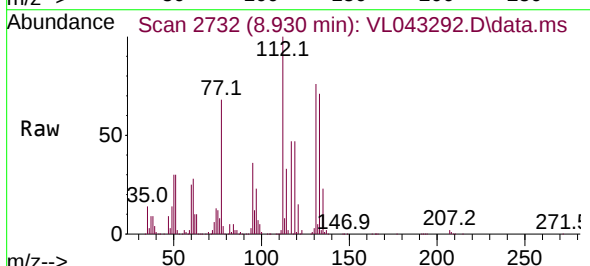
Tgt Ion:131 Resp: 226254

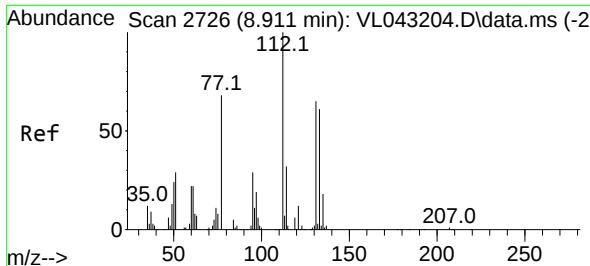
Ion Ratio Lower Upper

131 100

133 94.7 77.4 116.2

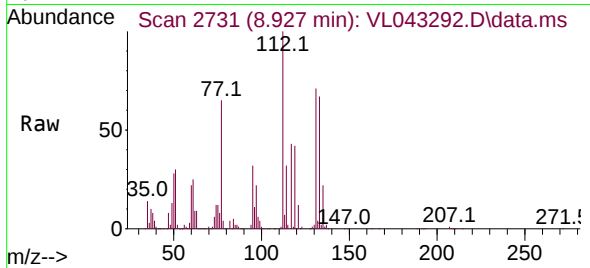
119 60.7 49.1 73.7





#57
Chlorobenzene
Concen: 11.176 ppbv
RT: 8.927 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

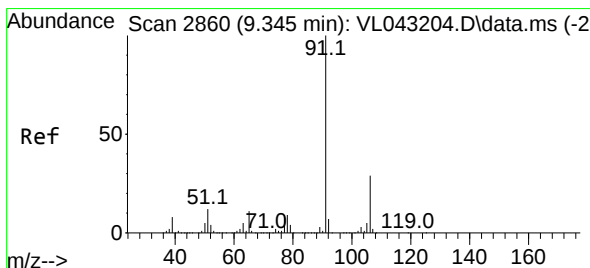
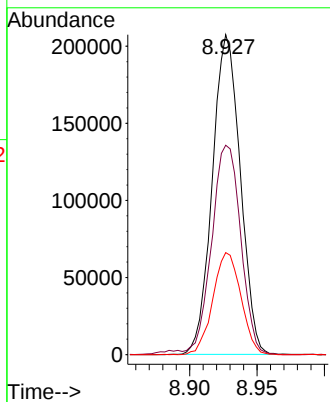
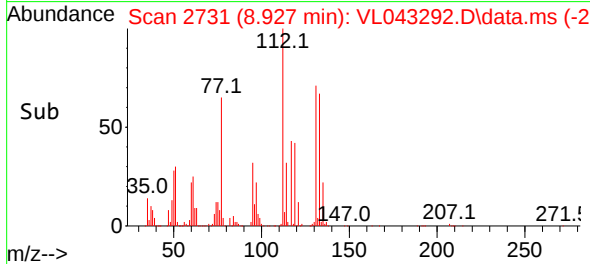
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:112 Resp: 299248
Ion Ratio Lower Upper
112 100
77 65.4 55.5 83.3
114 31.9 29.1 35.5

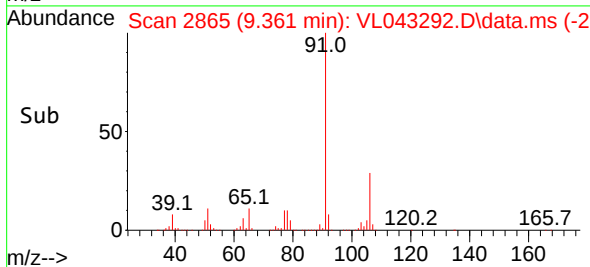
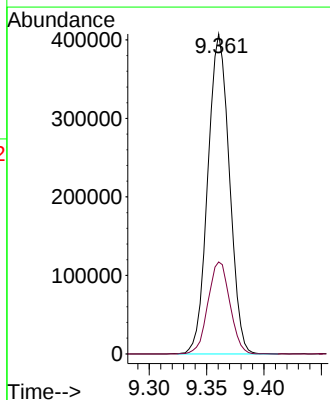
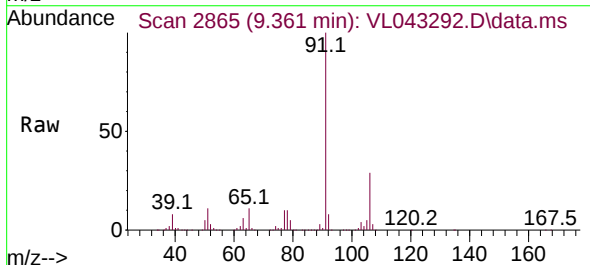
Manual Integrations
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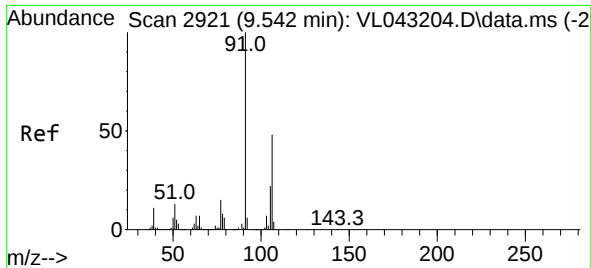
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#58
Ethyl Benzene
Concen: 10.601 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.016 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 91 Resp: 532113
Ion Ratio Lower Upper
91 100
106 28.7 22.8 34.2





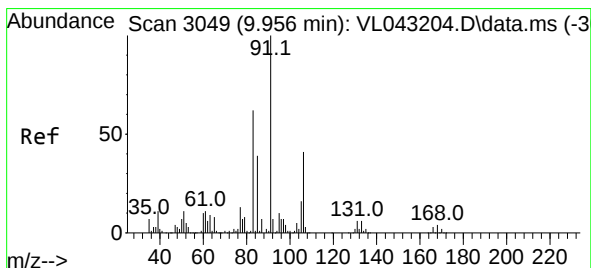
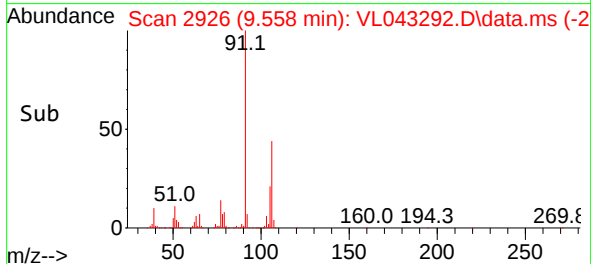
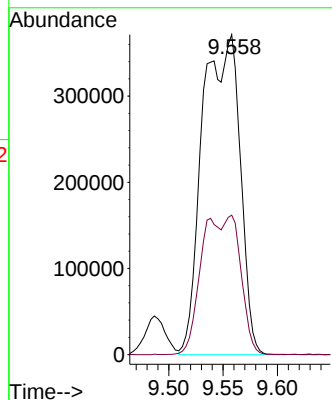
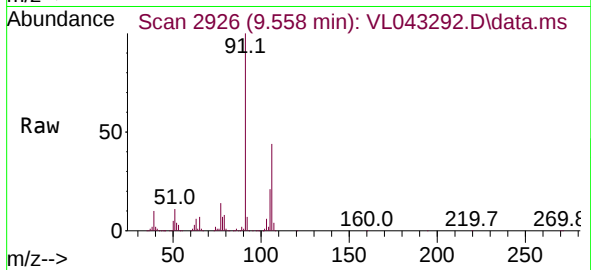
#59
m/p-Xylene
Concen: 22.121 ppbv m
RT: 9.558 min Scan# 2921
Delta R.T. 0.016 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 890244
Ion Ratio Lower Upper
91 100
106 45.2 36.1 54.1

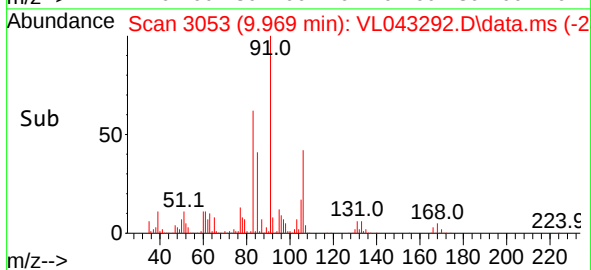
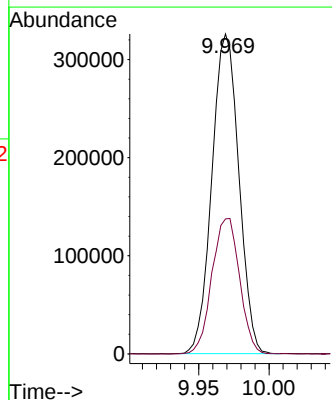
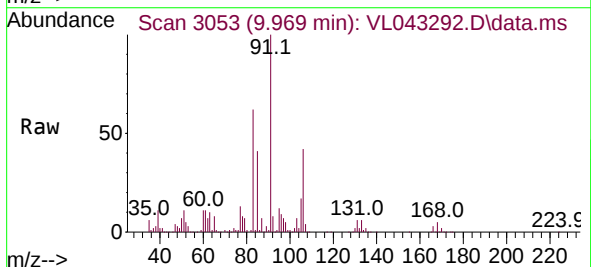
Manual Integrations
APPROVED

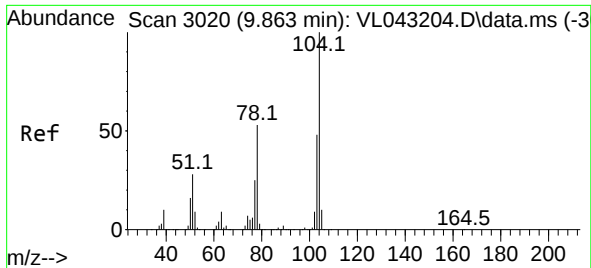
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#60
o-Xylene
Concen: 10.791 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion: 91 Resp: 433850
Ion Ratio Lower Upper
91 100
106 43.5 20.9 62.8





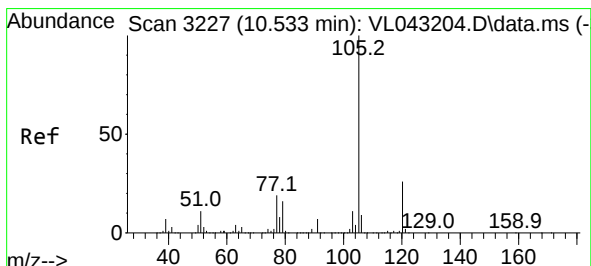
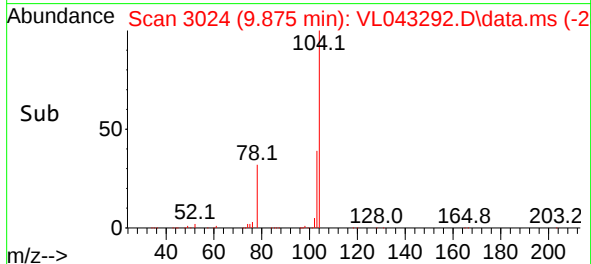
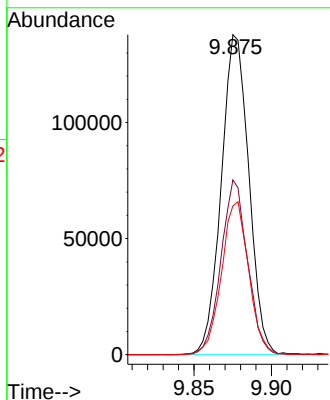
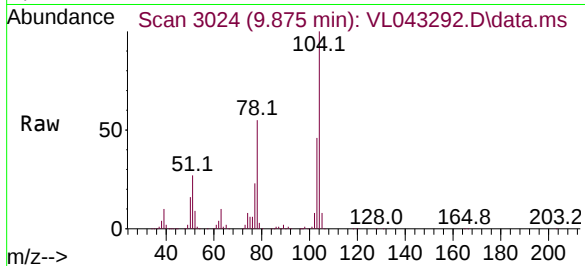
#61
Styrene
Concen: 9.691 ppbv
RT: 9.875 min Scan# 3020
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 170523
Ion Ratio Lower Upper
104 100
78 52.6 42.1 63.1
103 47.4 37.2 55.8

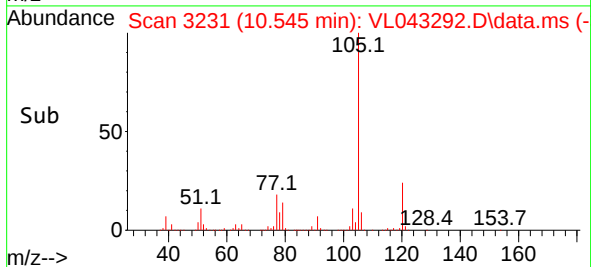
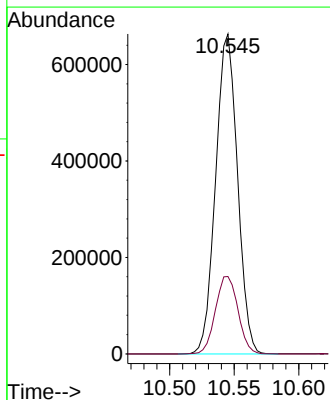
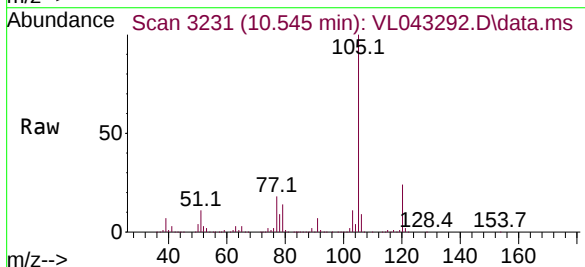
Manual Integrations
APPROVED

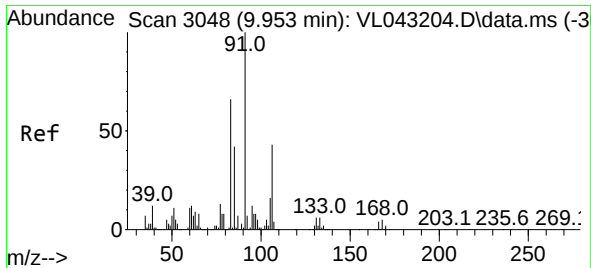
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#62
Isopropylbenzene
Concen: 10.873 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion:105 Resp: 782083
Ion Ratio Lower Upper
105 100
120 25.0 19.8 29.8





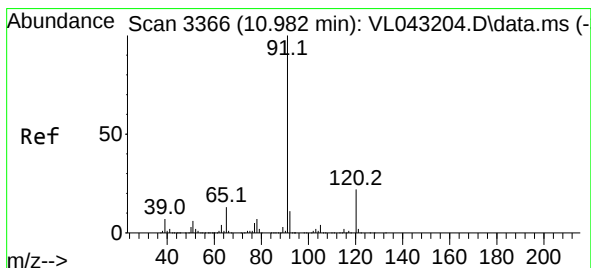
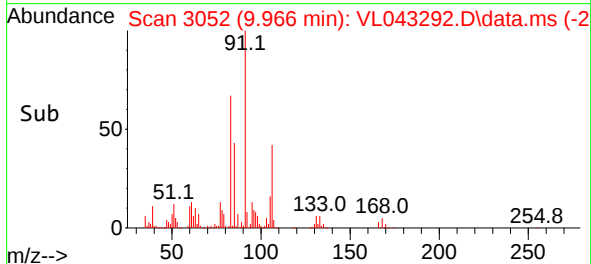
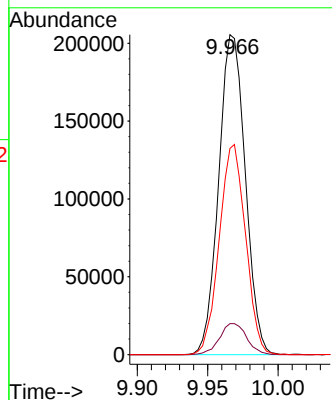
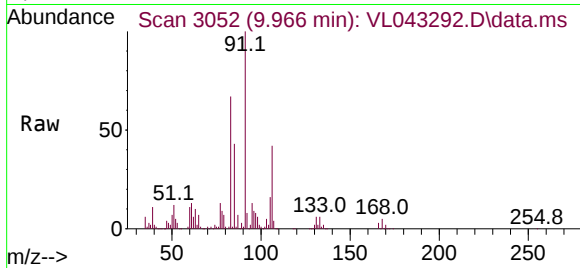
#63
1,1,2,2-Tetrachloroethane
Concen: 10.584 ppbv
RT: 9.966 min Scan# 3048
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 270755
Ion Ratio Lower Upper
83 100
131 9.9 4.8 14.3
85 64.8 31.9 95.9

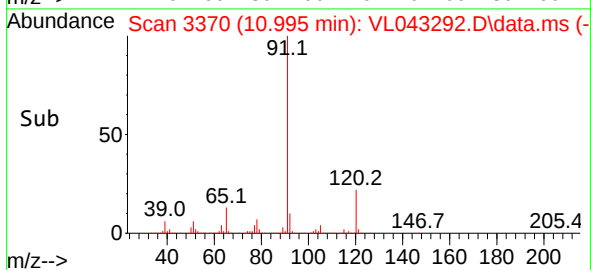
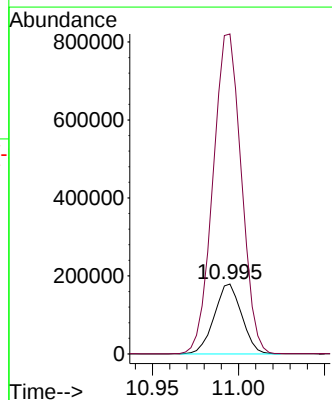
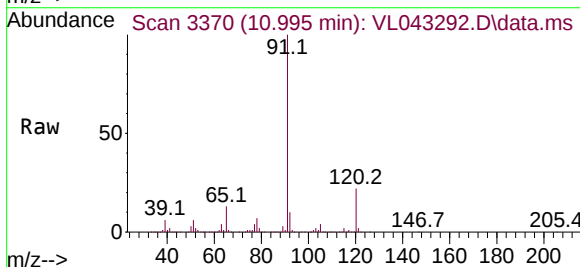
Manual Integrations
APPROVED

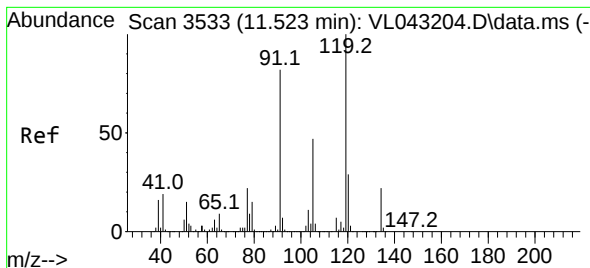
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#64
n-propylbenzene
Concen: 10.719 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Tgt Ion:120 Resp: 198097
Ion Ratio Lower Upper
120 100
91 476.0 377.1 565.7





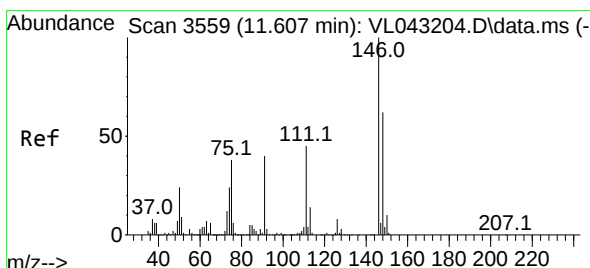
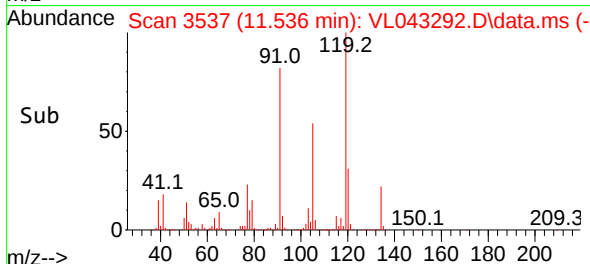
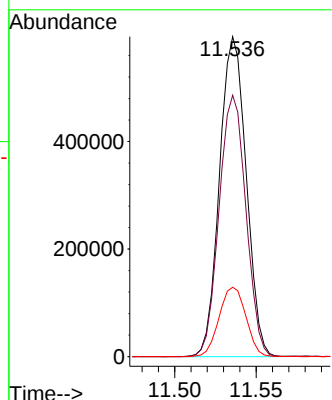
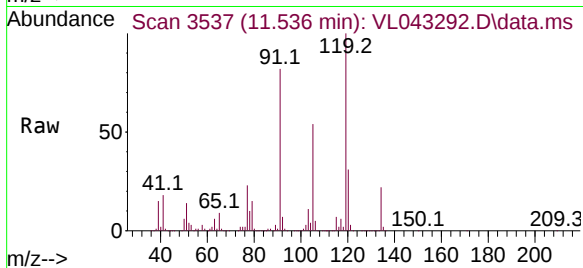
#65
tert-Butylbenzene
Concen: 10.575 ppbv
RT: 11.536 min Scan# 3533
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 679288
Ion Ratio Lower Upper
119 100
91 82.1 65.3 97.9
134 21.8 17.0 25.4

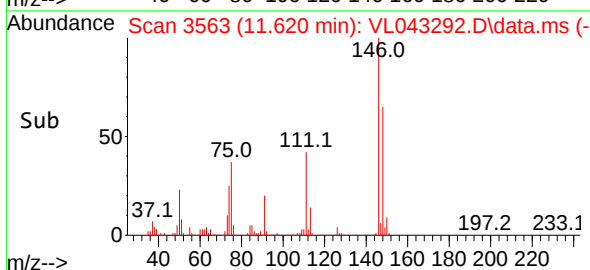
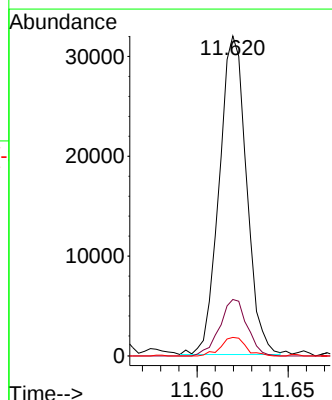
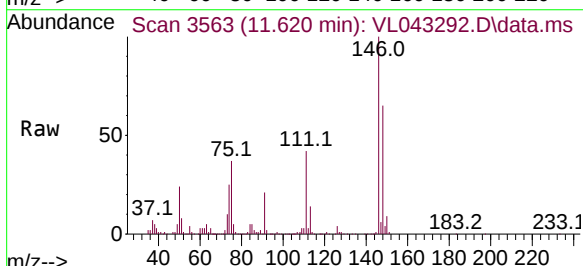
Manual Integrations
APPROVED

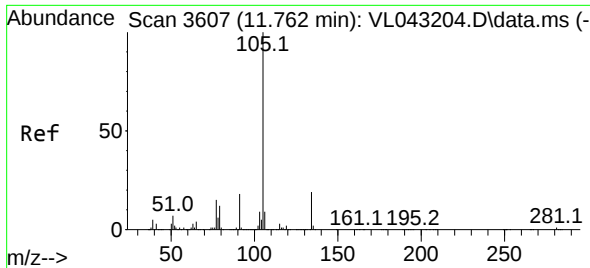
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#66
Benzyl Chloride
Concen: 5.101 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

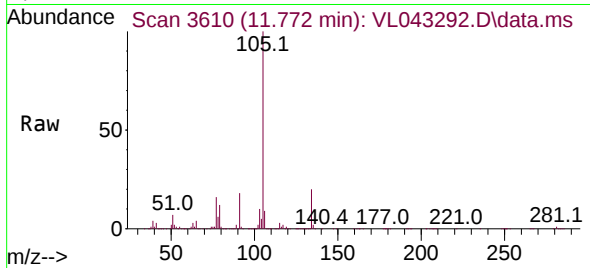
Tgt Ion: 91 Resp: 33251
Ion Ratio Lower Upper
91 100
126 17.7 14.4 21.6
128 5.5 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 10.601 ppbv
 RT: 11.772 min Scan# 3607
 Delta R.T. 0.009 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31

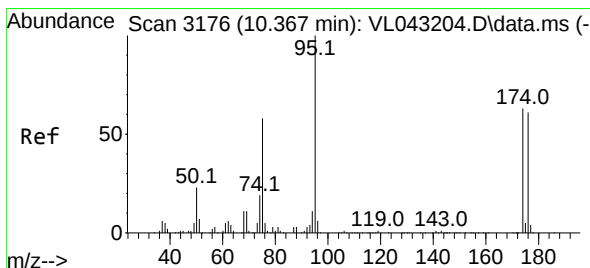
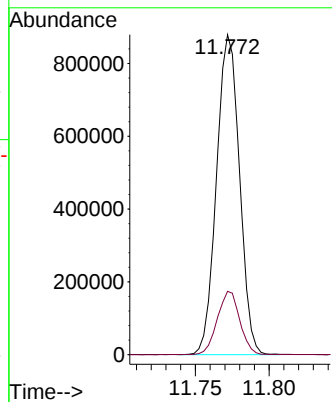
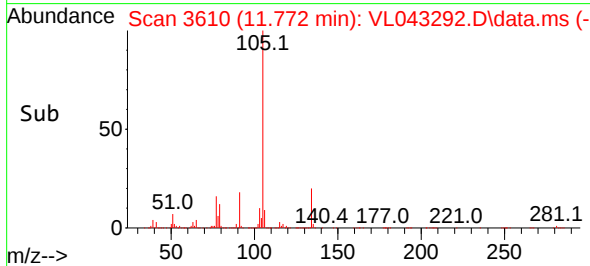
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



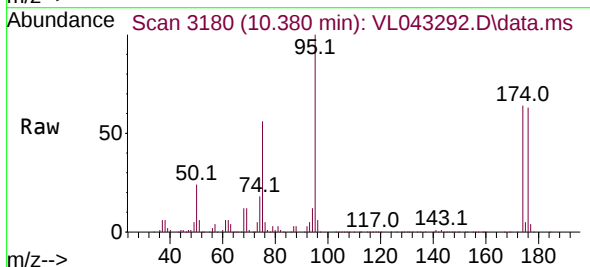
Tgt Ion:105 Resp: 950539
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.0 22.6

Manual Integrations
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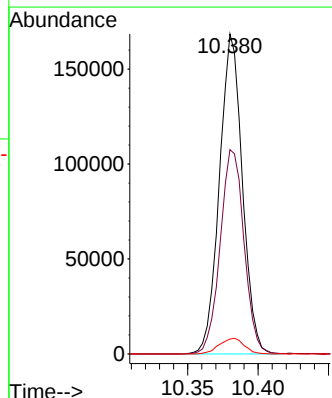
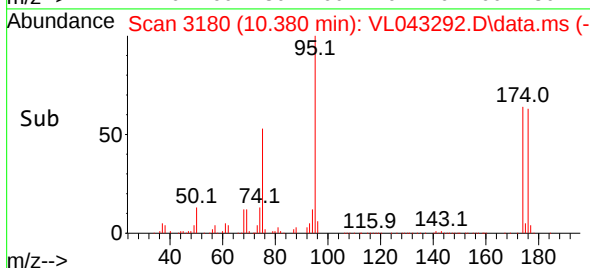
Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

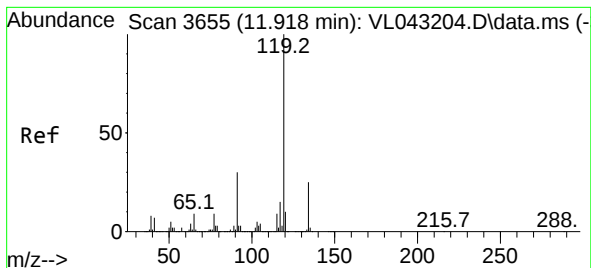


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.979 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.013 min
 Lab File: VL043292.D
 Acq: 02 Dec 2025 09:31



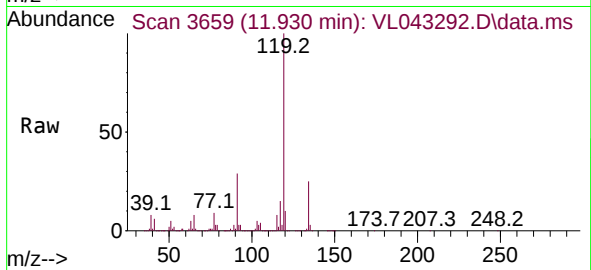
Tgt Ion: 95 Resp: 190761
 Ion Ratio Lower Upper
 95 100
 174 66.5 50.2 75.2
 175 5.3 4.1 6.1





#69
p-Isopropyltoluene
Concen: 10.460 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

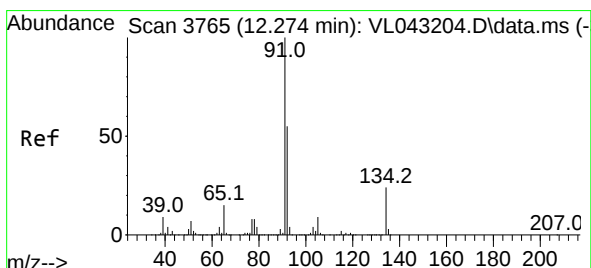
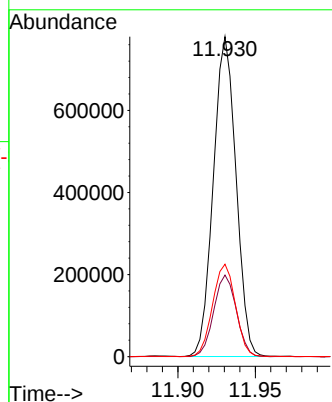
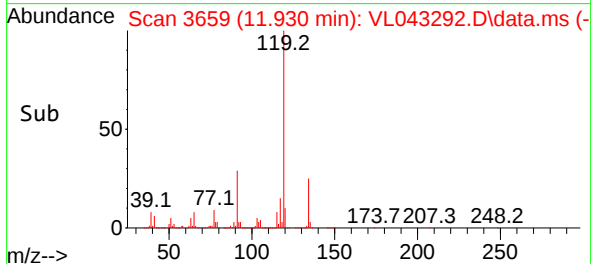
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010



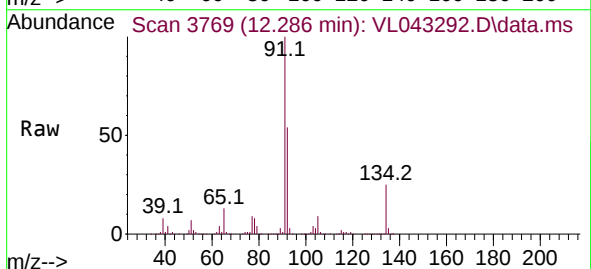
Tgt Ion:119 Resp: 794465
Ion Ratio Lower Upper
119 100
134 25.5 20.2 30.2
91 29.3 23.8 35.8

Manual Integrations
APPROVED

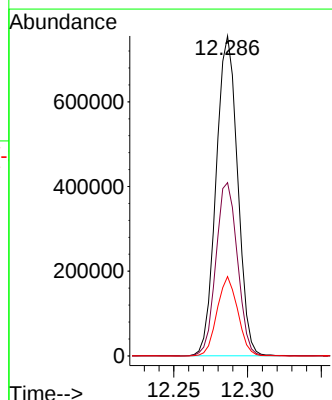
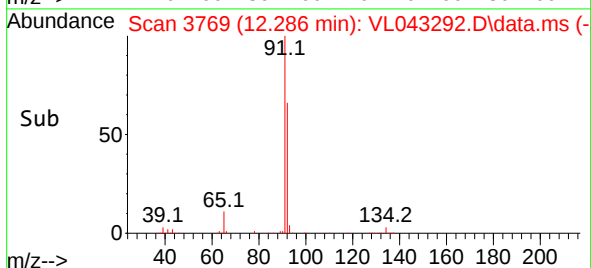
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

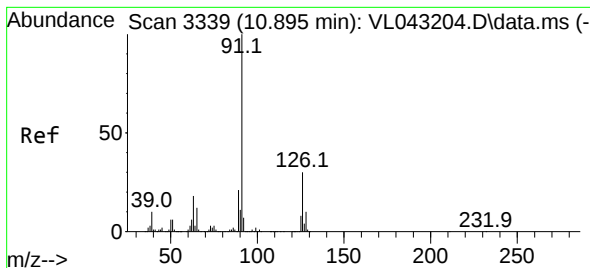


#70
n-Butylbenzene
Concen: 10.396 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31



Tgt Ion: 91 Resp: 766060
Ion Ratio Lower Upper
91 100
92 54.2 43.5 65.3
134 23.8 19.0 28.6





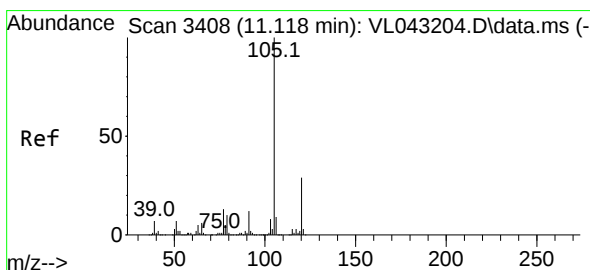
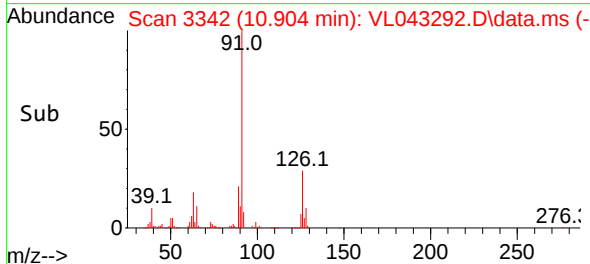
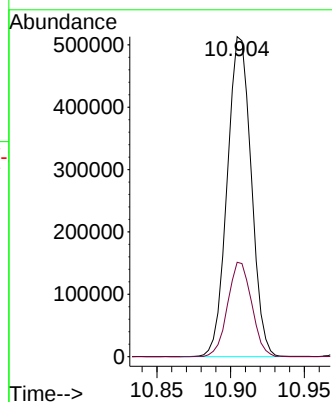
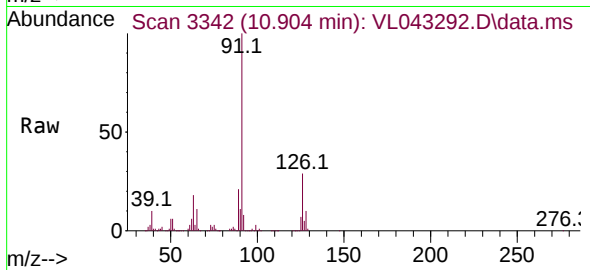
#71
2-Chlorotoluene
Concen: 10.513 ppbv
RT: 10.904 min Scan# 3412
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 581216
Ion Ratio Lower Upper
91 100
126 29.4 11.7 46.7

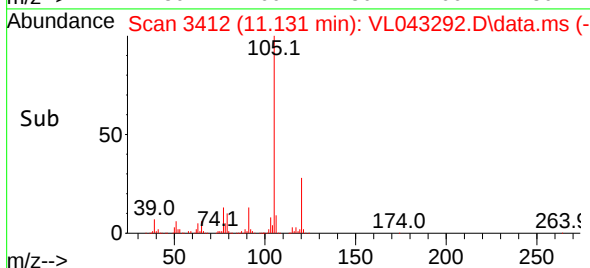
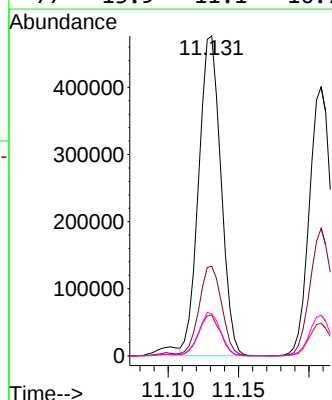
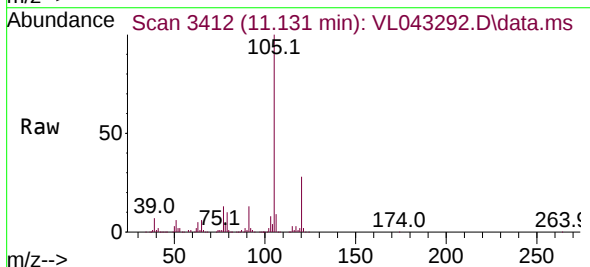
Manual Integrations
APPROVED

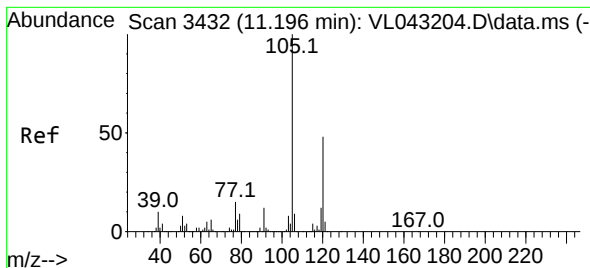
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#72
4-Ethyltoluene
Concen: 10.682 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

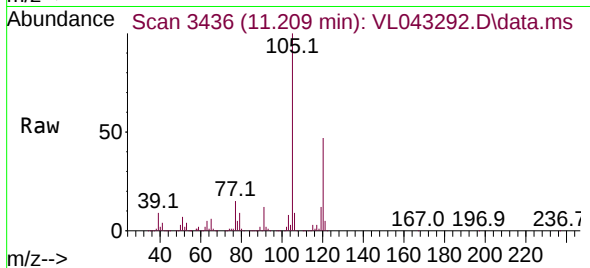
Tgt Ion:105 Resp: 522973
Ion Ratio Lower Upper
105 100
120 29.4 23.8 35.8
91 13.2 10.3 15.5
77 13.9 11.1 16.7





#73
1,3,5-Trimethylbenzene
Concen: 10.656 ppbv
RT: 11.209 min Scan# 3432
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

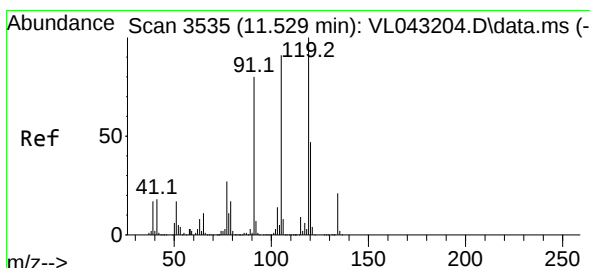
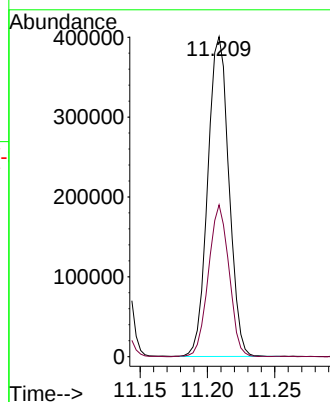
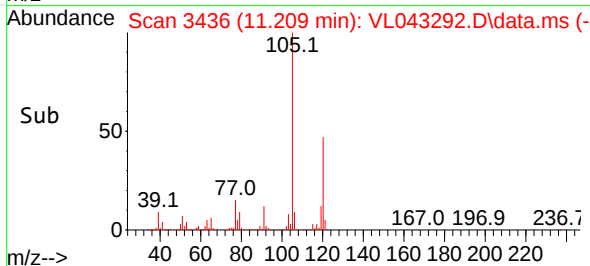
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:105 Resp: 437835
Ion Ratio Lower Upper
105 100
120 47.4 38.6 57.8

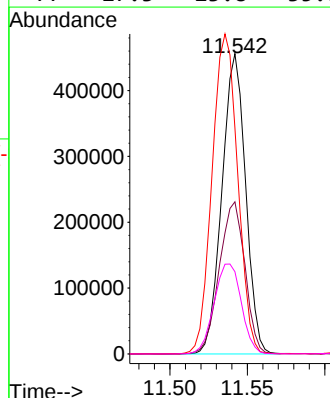
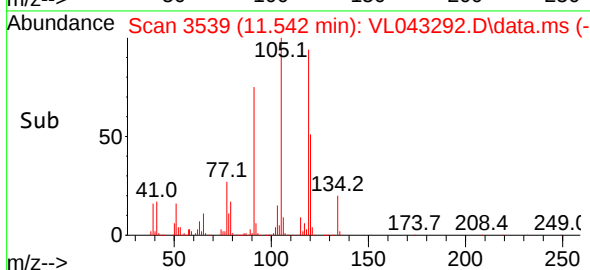
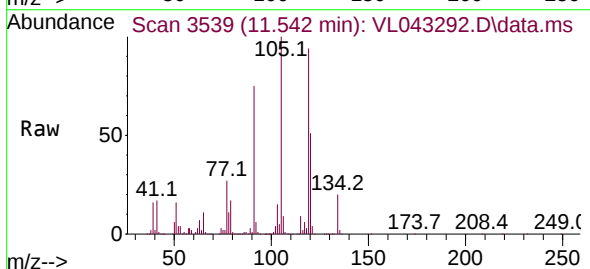
Manual Integrations
APPROVED

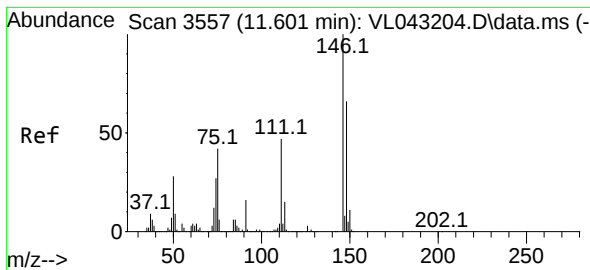
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#74
1,2,4-Trimethylbenzene
Concen: 10.787 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

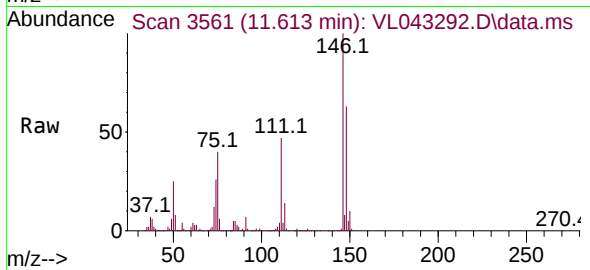
Tgt Ion:105 Resp: 483676
Ion Ratio Lower Upper
105 100
120 50.6 41.7 62.5
91 75.2 70.0 105.0
77 27.3 23.8 35.8





#75
1,3-Dichlorobenzene
Concen: 11.080 ppbv
RT: 11.613 min Scan# 3557
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

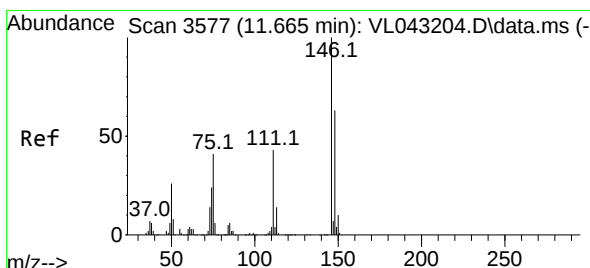
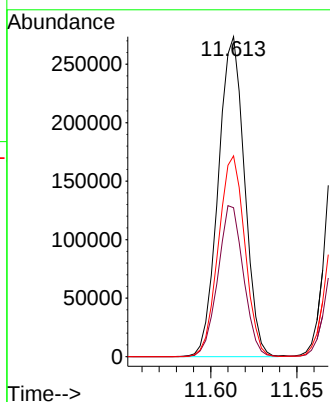
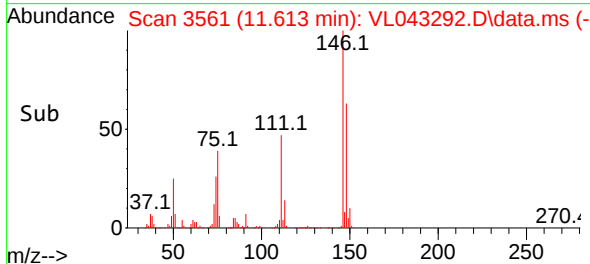
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



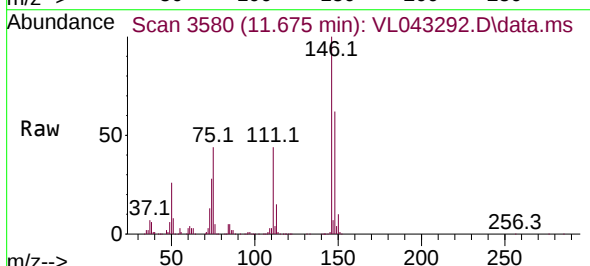
Tgt Ion:146 Resp: 289929
Ion Ratio Lower Upper
146 100
111 46.1 23.4 70.3
148 63.3 31.6 95.0

Manual Integrations
APPROVED

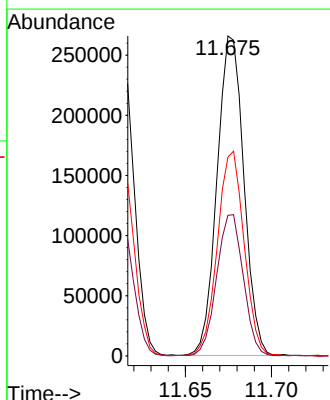
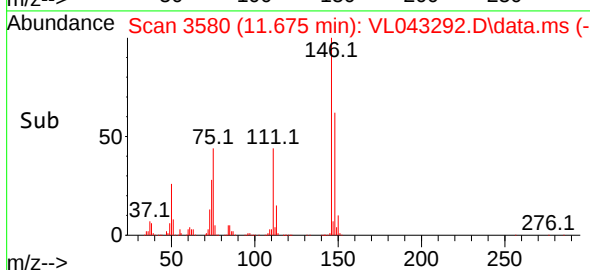
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

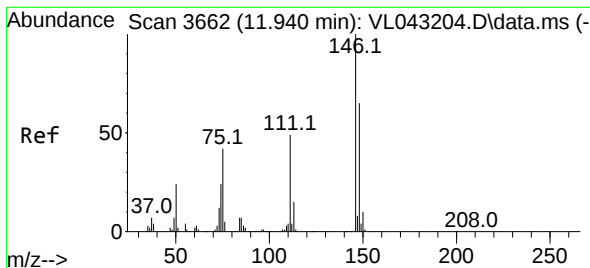


#76
1,4-Dichlorobenzene
Concen: 11.005 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31



Tgt Ion:146 Resp: 288002
Ion Ratio Lower Upper
146 100
111 44.1 22.8 68.3
148 64.0 31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 10.906 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. 0.013 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

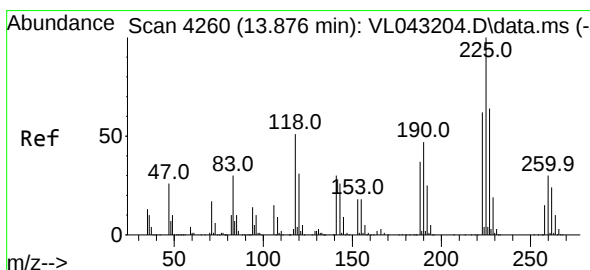
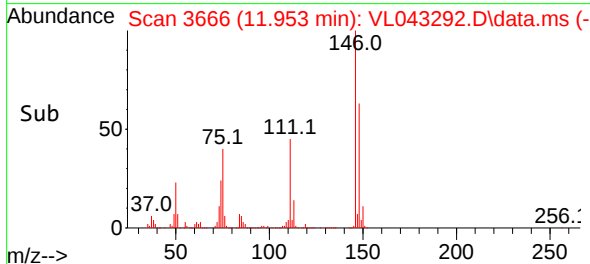
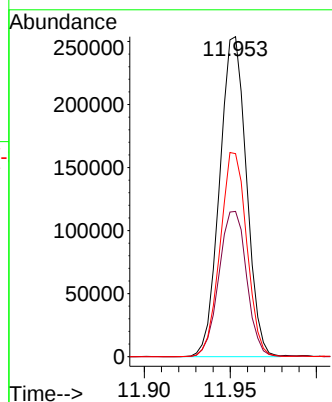
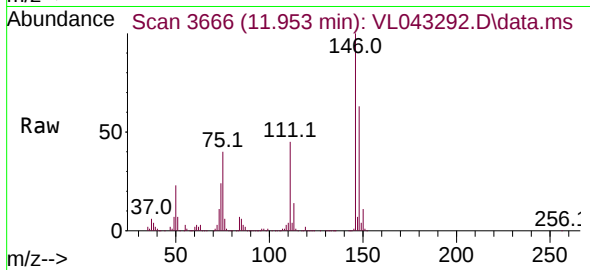
VSTDCCC010

Tgt Ion:	146	Resp:	27435
Ion Ratio	Lower	Upper	
146	100		
111	46.9	24.3	73.0
148	63.4	31.6	94.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#78

Hexachloro-1,3-Butadiene

Concen: 10.037 ppbv

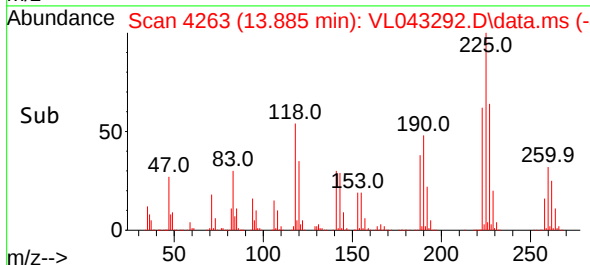
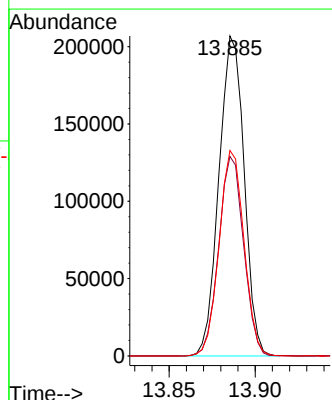
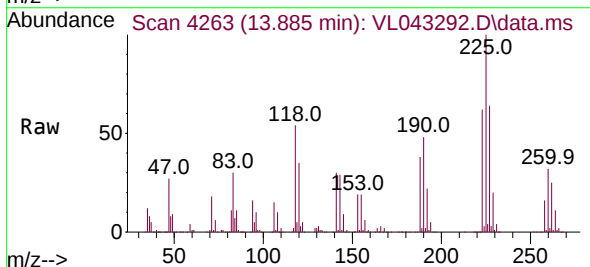
RT: 13.885 min Scan# 4263

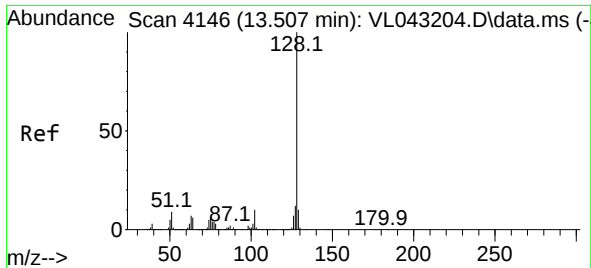
Delta R.T. 0.009 min

Lab File: VL043292.D

Acq: 02 Dec 2025 09:31

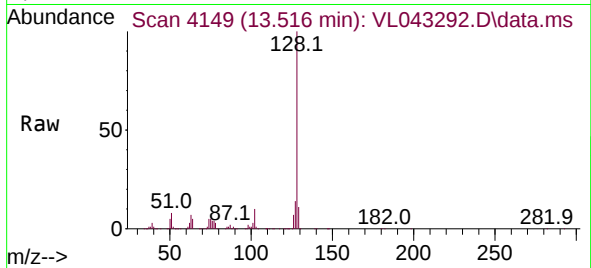
Tgt Ion:	225	Resp:	210733
Ion Ratio	Lower	Upper	
225	100		
223	61.6	50.2	75.4
227	63.2	51.1	76.7





#79
Naphthalene
Concen: 9.864 ppbv
RT: 13.516 min Scan# 4146
Delta R.T. 0.009 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31

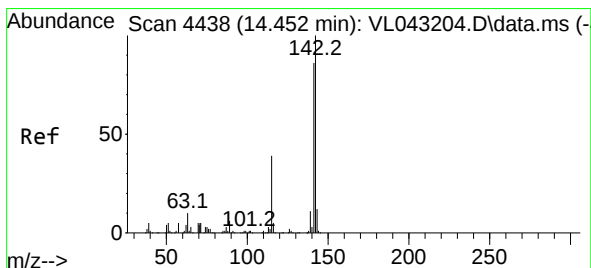
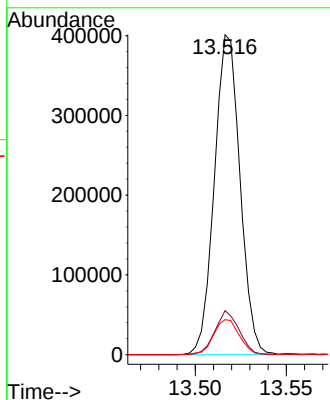
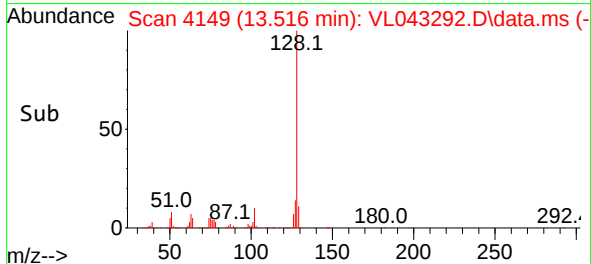
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



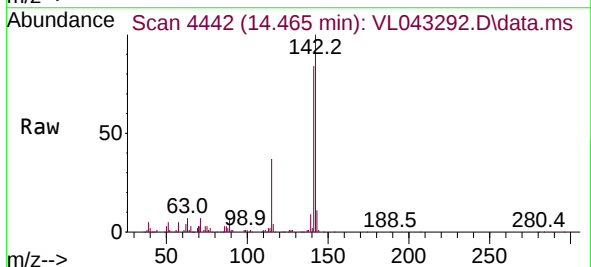
Tgt Ion:128 Resp: 392809
Ion Ratio Lower Upper
128 100
127 13.7 9.9 14.9
129 10.9 8.4 12.6

Manual Integrations
APPROVED

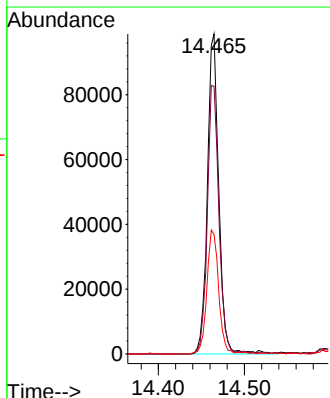
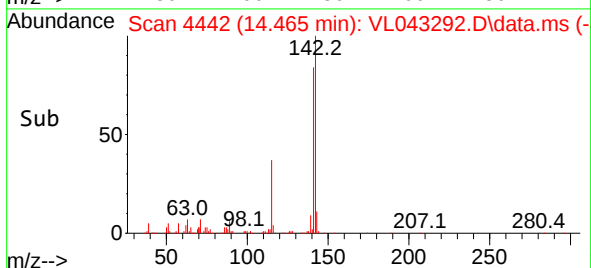
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

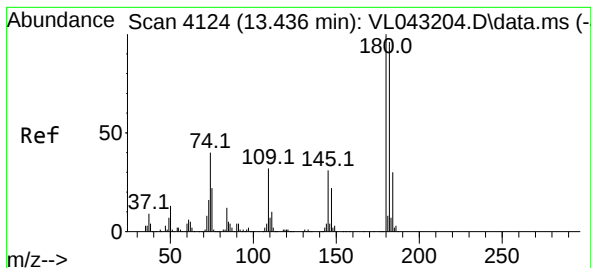


#80
Naphthalene,2-methyl-
Concen: 8.694 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.013 min
Lab File: VL043292.D
Acq: 02 Dec 2025 09:31



Tgt Ion:142 Resp: 90880
Ion Ratio Lower Upper
142 100
141 86.2 67.1 100.7
115 40.6 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 11.216 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.009 min

Lab File: VL043292.D

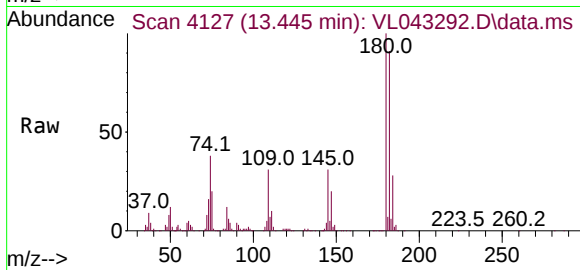
Acq: 02 Dec 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 199764

Ion Ratio Lower Upper

180 100

182 92.5 77.4 116.2

184 29.5 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025

