

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101625\
 Data File : VL043124.D
 Acq On : 16 Oct 2025 09:14
 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 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025

Quant Time: Oct 17 01:11:42 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	93351	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	297102	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	261876	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 213533 10.490 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	143781	10.834	ppbv	97
3) Chlorodifluoromethane	1.479	51	135778	9.456	ppbv	94
4) Chloromethane	1.538	50	49187	9.356	ppbv	99
5) Vinyl Chloride	1.583	62	48019	9.312	ppbv	95
6) Bromomethane	1.670	94	28850	10.203	ppbv	98
7) Chloroethane	1.709	64	19996	9.484	ppbv	96
8) Dichlorotetrafluoroethane	1.557	85	113223	10.556	ppbv	97
9) Propene	1.486	41	51095	8.023	ppbv	97
10) Heptane	4.985	43	147845	8.064	ppbv	98
11) Trichlorofluoromethane	1.881	101	151086	11.639	ppbv	97
12) 1,1,2-Trichlorotrifluoro...	2.143	101	114368	10.943	ppbv	98
13) Ethanol	1.725	45	19303	8.194	ppbv	99
14) Bromoethene	1.784	108	40732	10.491	ppbv	98
15) Acetone	1.839	43	117476	9.337	ppbv	100
16) 1,3-Butadiene	1.612	39	56074	9.351	ppbv	98
17) tert-Butyl alcohol	2.042	59	180463	10.449	ppbv	98
18) 1,1-Dichloroethene	2.039	96	49561	10.878	ppbv	87
19) Isopropyl Alcohol	1.887	45	76214	9.725	ppbv	99
20) Methylene Chloride	2.065	84	44171	8.881	ppbv	90
21) Allyl Chloride	2.101	41	90912	9.805	ppbv	93
22) trans-1,2-Dichloroethene	2.347	96	57654	10.586	ppbv	95
23) Vinyl Acetate	2.466	43	186324	10.109	ppbv	98
24) 1,1-Dichloroethane	2.415	63	111252	10.572	ppbv	99
25) Ethyl Acetate	2.839	43	278882	8.938	ppbv	99
26) Hexane	2.832	57	130825	9.099	ppbv	96
27) Carbon Disulfide	2.156	76	138756	10.533	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	69955	10.695	ppbv	96
29) Chloroform	2.855	83	218827	10.504	ppbv	99
30) Cyclohexane	3.861	84	112730	8.983	ppbv	93
31) cis-1,2-Dichloroethene	2.725	61	140786	10.255	ppbv	96
32) 1,1,1-Trichloroethane	3.373	97	231957	10.692	ppbv	99
34) 2-Butanone	2.560	43	183049	9.166	ppbv	97
35) Carbon Tetrachloride	3.771	117	234731	10.989	ppbv	98
36) Benzene	3.664	78	266849	9.536	ppbv	99
37) 1,2-Dichloroethane	3.224	62	175587	10.893	ppbv	97
38) Trichloroethene	4.554	130	105427	9.021	ppbv	99
39) 1,2-Dichloropropane	4.321	63	93327	9.123	ppbv	94
40) 1,4-Dioxane	4.586	88	43974	9.606	ppbv #	88
41) Tetrahydrofuran	3.056	42	93405	8.362	ppbv	93
42) Bromodichloromethane	4.496	83	238626	10.696	ppbv	98
43) Methyl Methacrylate	4.887	69	132764	9.342	ppbv	95
44) 2,2,4-Trimethylpentane	4.648	57	428858	9.084	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	143853	10.086	ppbv	99

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Quant Time: Oct 17 01:11:42 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

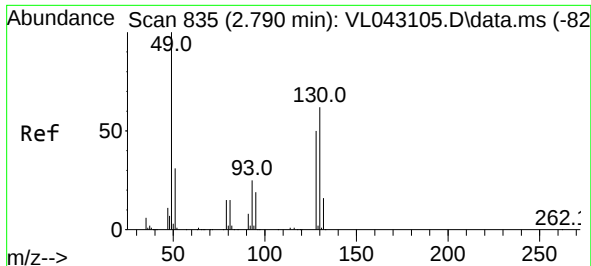
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

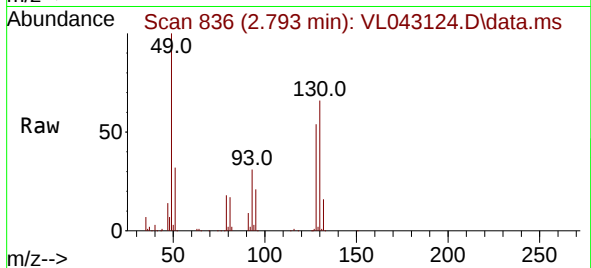
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	162496	9.537	ppbv	95
47) 1,1,2-Trichloroethane	6.587	97	105447	9.545	ppbv	97
48) Dibromochloromethane	7.393	129	191024	10.342	ppbv	98
49) Bromoform	9.490	173	152870	10.182	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	240313	8.719	ppbv	99
51) 2-Hexanone	7.438	43	185904	8.993	ppbv #	99
52) Tetrachloroethene	8.231	164	91268	9.045	ppbv	94
53) Toluene	6.943	91	303467	9.138	ppbv	99
54) 1,2-Dibromoethane	7.658	107	166451	9.619	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.930	131	170476	10.327	ppbv	98
57) Chlorobenzene	8.927	112	225893	9.221	ppbv	96
58) Ethyl Benzene	9.361	91	434593	9.670	ppbv	99
59) m/p-Xylene	9.558	91	703699m	19.630	ppbv	
60) o-Xylene	9.969	91	345330	9.754	ppbv	98
61) Styrene	9.875	104	149587	9.359	ppbv	97
62) Isopropylbenzene	10.545	105	619283	9.680	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	215827	9.104	ppbv	100
64) n-propylbenzene	10.992	120	155421	9.176	ppbv	88
65) tert-Butylbenzene	11.536	119	529735	9.377	ppbv	95
66) Benzyl Chloride	11.620	91	56872	9.045	ppbv	98
67) sec-Butylbenzene	11.772	105	759806	9.476	ppbv	98
69) p-Isopropyltoluene	11.930	119	641630	9.417	ppbv	97
70) n-Butylbenzene	12.286	91	666160	9.922	ppbv	98
71) 2-Chlorotoluene	10.904	91	480779	9.853	ppbv	97
72) 4-Ethyltoluene	11.131	105	423270	9.723	ppbv	97
73) 1,3,5-Trimethylbenzene	11.209	105	352795	9.826	ppbv	92
74) 1,2,4-Trimethylbenzene	11.542	105	383239	9.539	ppbv	91
75) 1,3-Dichlorobenzene	11.610	146	220064	9.444	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	221416	9.423	ppbv	97
77) 1,2-Dichlorobenzene	11.950	146	208785	9.262	ppbv	98
78) Hexachloro-1,3-Butadiene	13.885	225	151849	8.700	ppbv	100
79) Naphthalene	13.516	128	426155	10.148	ppbv	98
80) Naphthalene,2-methyl-	14.461	142	121228	11.080	ppbv	97
81) 1,2,4-Trichlorobenzene	13.445	180	170691	9.793	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 835
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

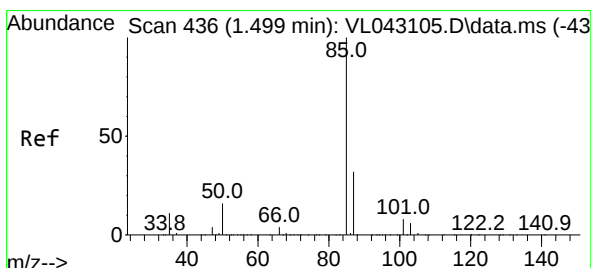
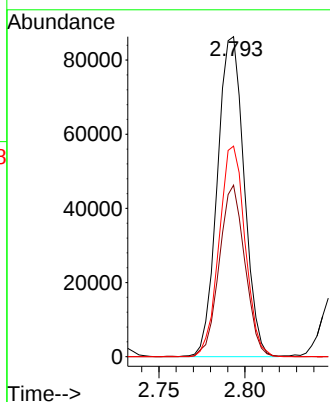
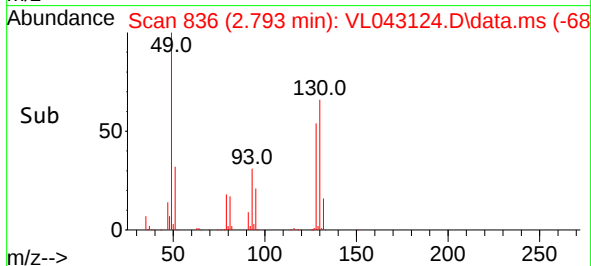
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



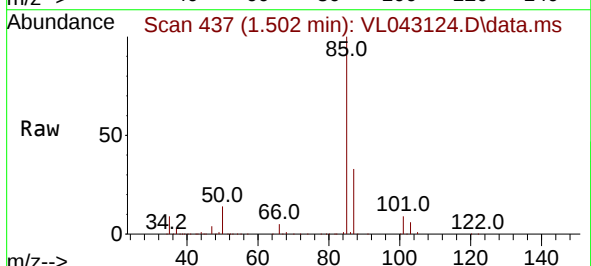
Tgt Ion: 49 Resp: 9335
Ion Ratio Lower Upper
49 100
128 51.4 24.4 73.4
130 63.9 31.0 93.0

Manual Integrations
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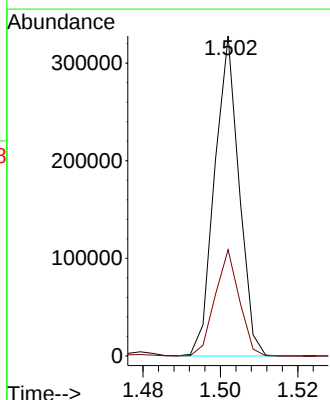
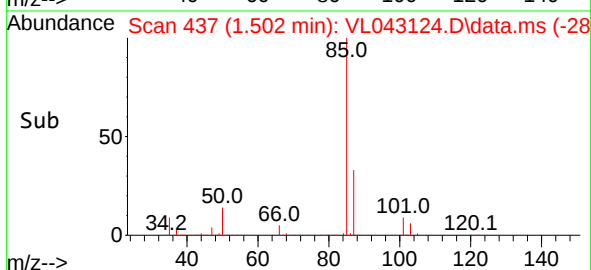
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

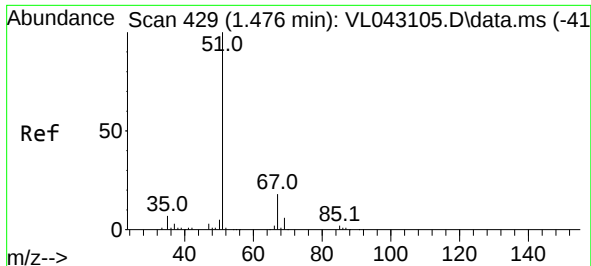


#2
Dichlorodifluoromethane
Concen: 10.834 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14



Tgt Ion: 85 Resp: 143781
Ion Ratio Lower Upper
85 100
87 33.2 25.3 37.9





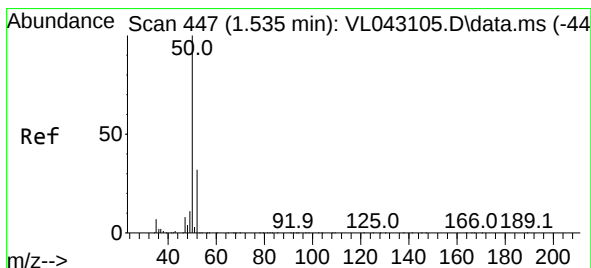
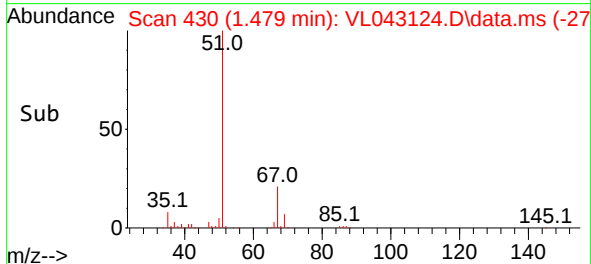
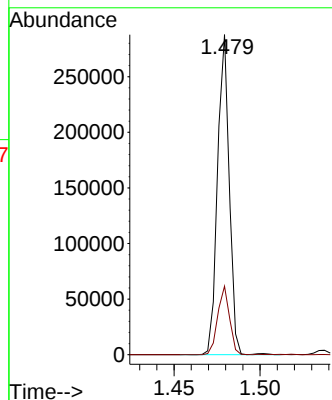
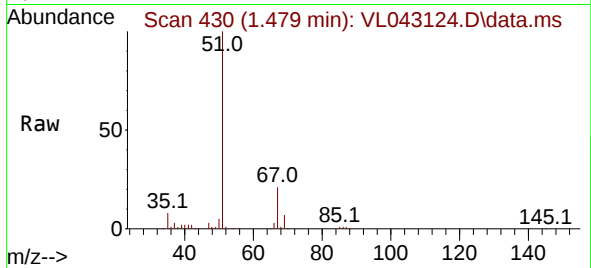
#3
Chlorodifluoromethane
Concen: 9.456 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 51 Resp: 135778
Ion Ratio Lower Upper
51 100
67 21.6 15.1 22.7

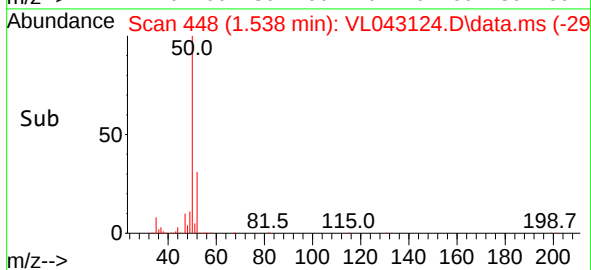
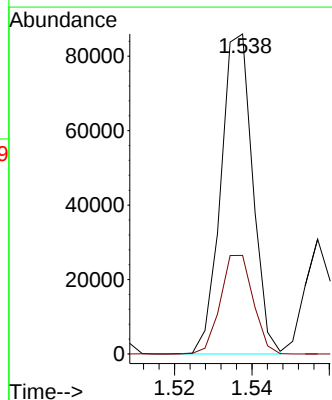
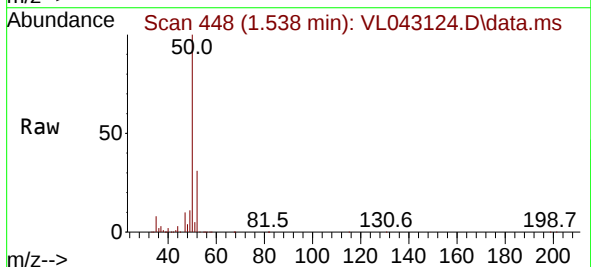
Manual Integrations
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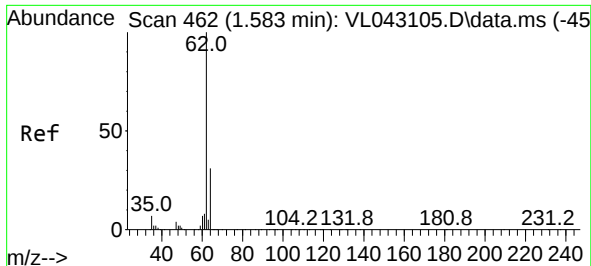
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#4
Chloromethane
Concen: 9.356 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

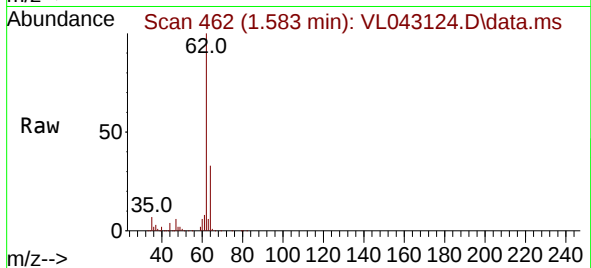
Tgt Ion: 50 Resp: 49187
Ion Ratio Lower Upper
50 100
52 30.8 25.2 37.8





#5
 Vinyl Chloride
 Concen: 9.312 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL043124.D
 Acq: 16 Oct 2025 09:14

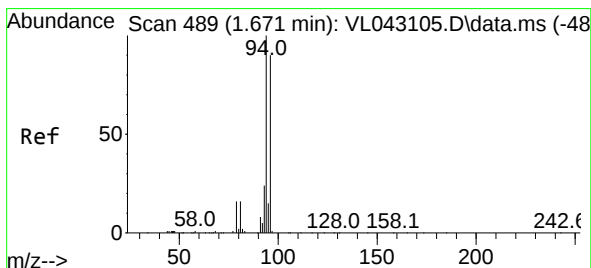
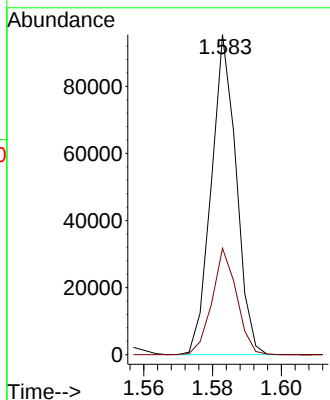
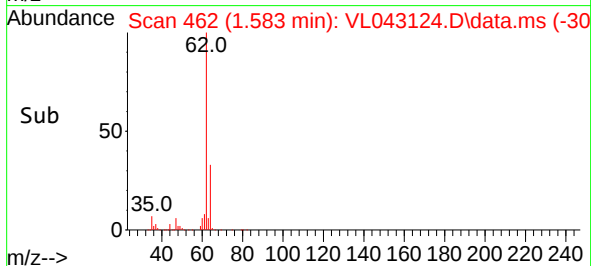
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



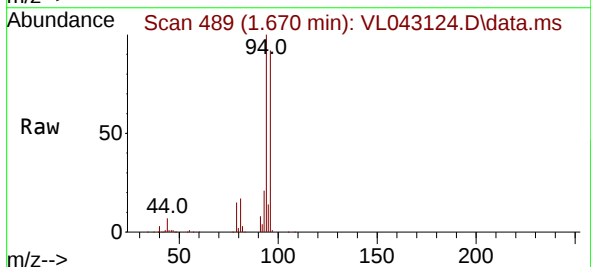
Tgt Ion: 62 Resp: 48019
 Ion Ratio Lower Upper
 62 100
 64 33.2 24.6 36.8

Manual Integrations
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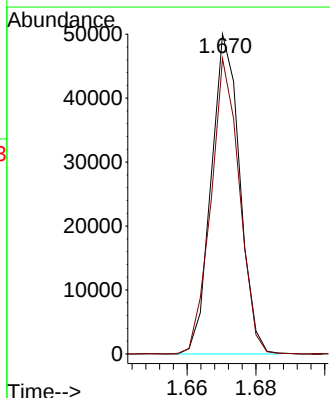
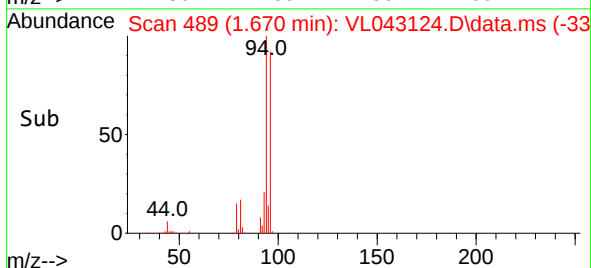
Reviewed By :Semsettin Yesilyurt 10/17/2025
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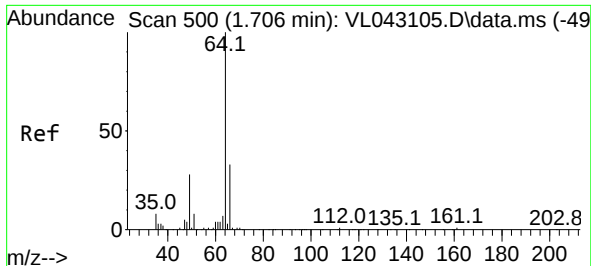


#6
 Bromomethane
 Concen: 10.203 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043124.D
 Acq: 16 Oct 2025 09:14



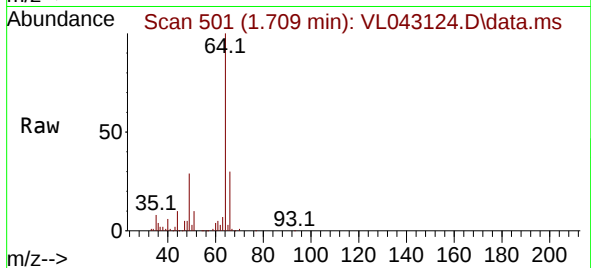
Tgt Ion: 94 Resp: 28850
 Ion Ratio Lower Upper
 94 100
 96 92.1 72.2 108.4





#7
Chloroethane
Concen: 9.484 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

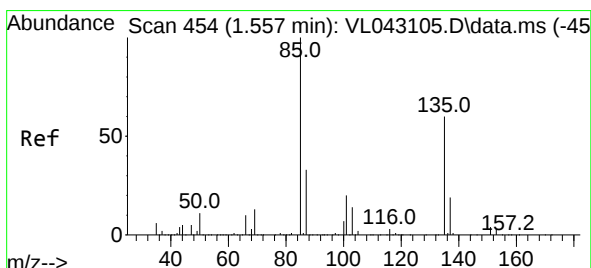
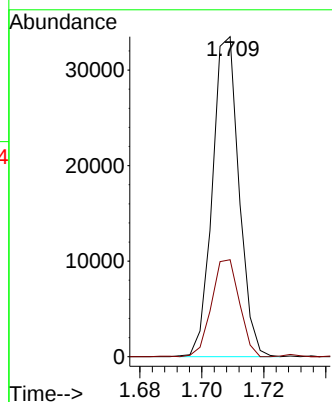
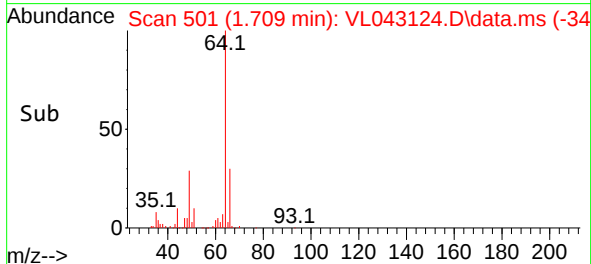
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 64 Resp: 19990
Ion Ratio Lower Upper
64 100
66 30.3 26.0 39.0

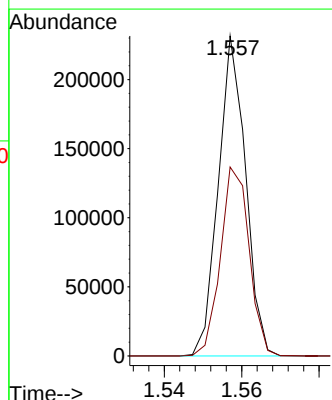
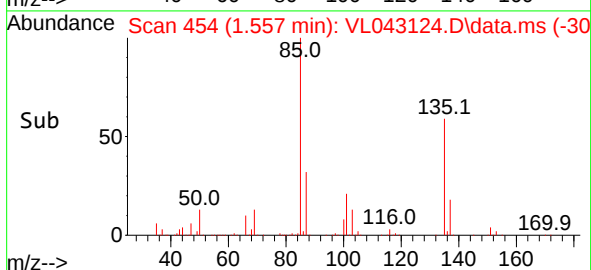
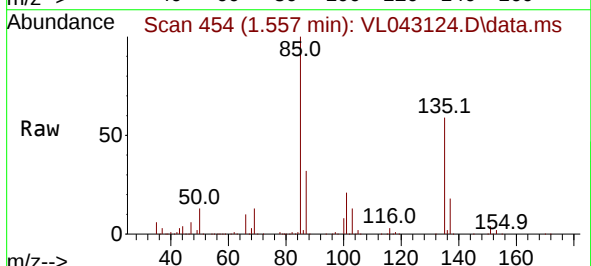
Manual Integrations
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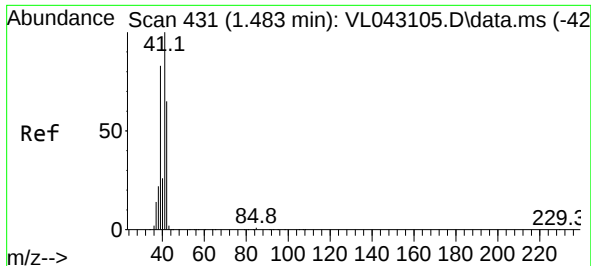
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#8
Dichlorotetrafluoroethane
Concen: 10.556 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

Tgt Ion: 85 Resp: 113223
Ion Ratio Lower Upper
85 100
135 62.2 48.2 72.4





#9

Propene

Concen: 8.023 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 5109

Ion Ratio Lower Upper

41 100

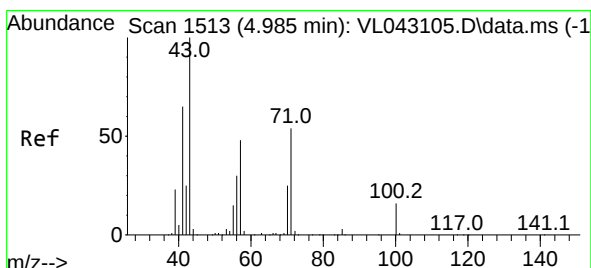
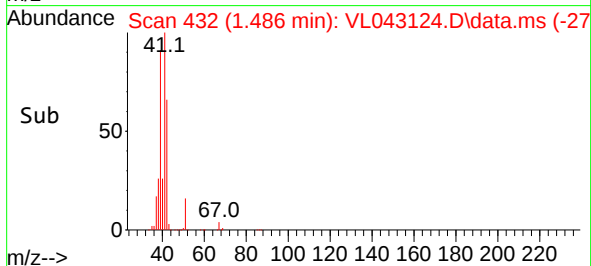
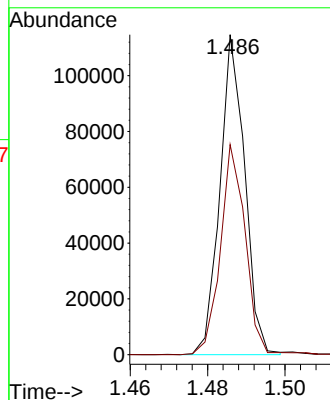
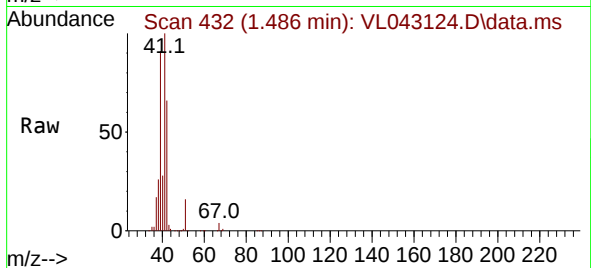
42 66.4 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#10

Heptane

Concen: 8.064 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VL043124.D

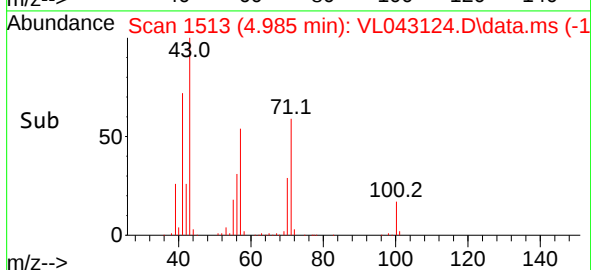
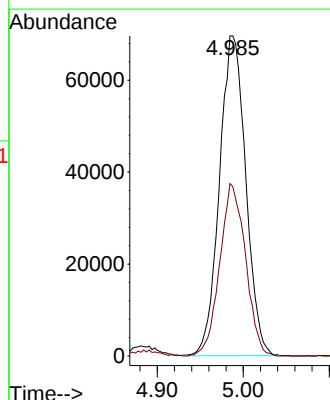
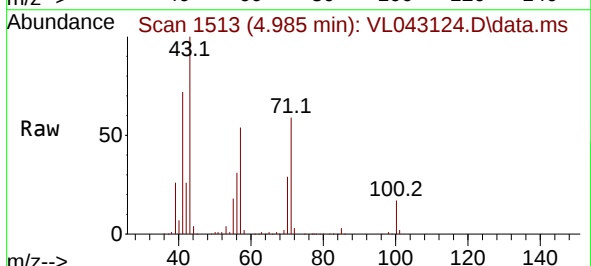
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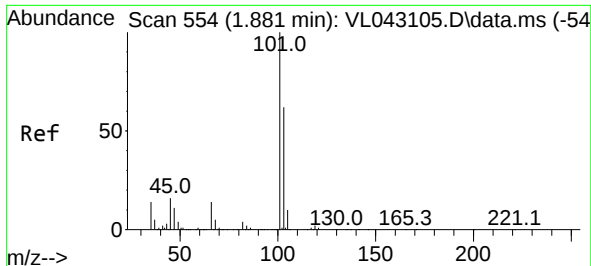
Tgt Ion: 43 Resp: 147845

Ion Ratio Lower Upper

43 100

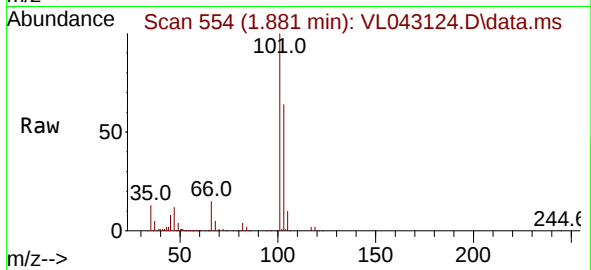
57 52.7 40.8 61.2





#11
 Trichlorofluoromethane
 Concen: 11.639 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL043124.D
 Acq: 16 Oct 2025 09:14

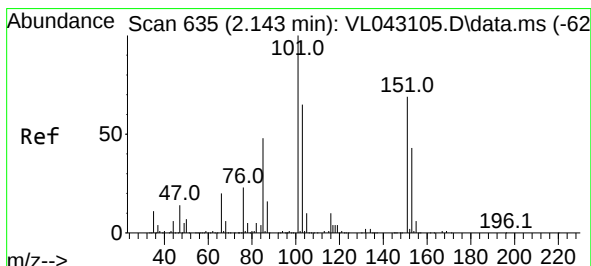
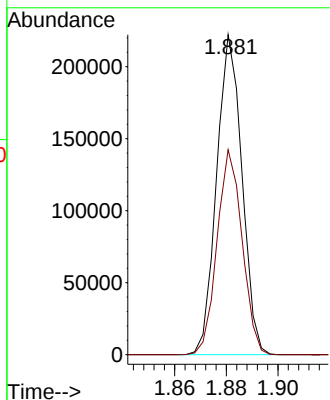
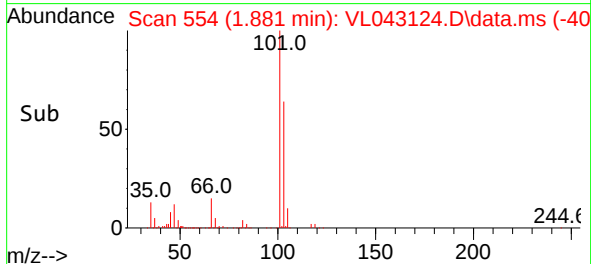
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



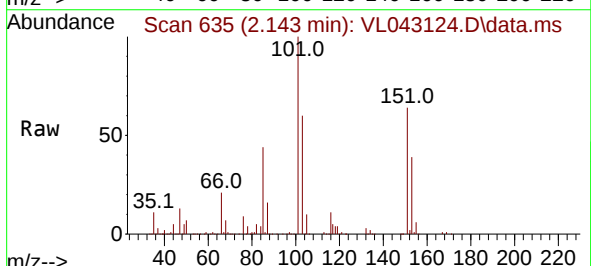
Tgt Ion:101 Resp: 151080
 Ion Ratio Lower Upper
 101 100
 103 64.1 49.3 73.9

Manual Integrations
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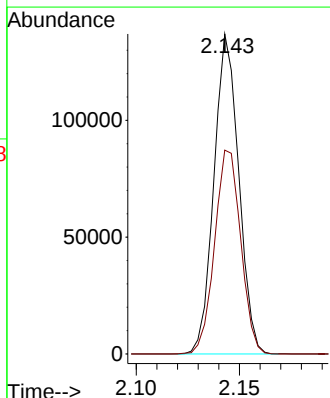
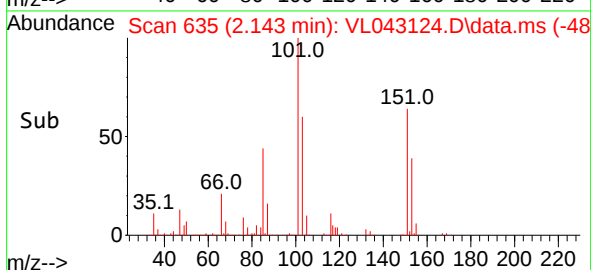
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025

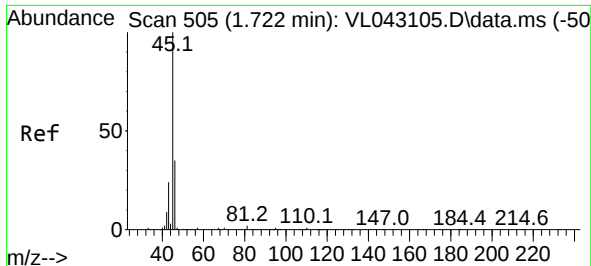


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.943 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL043124.D
 Acq: 16 Oct 2025 09:14



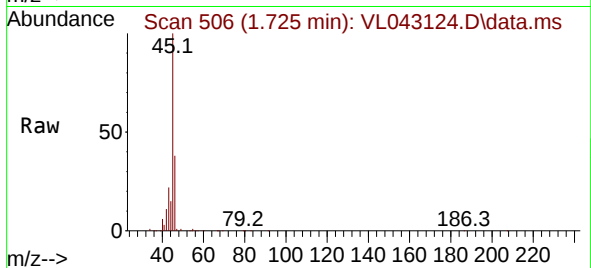
Tgt Ion:101 Resp: 114368
 Ion Ratio Lower Upper
 101 100
 151 67.1 54.7 82.1





#13
Ethanol
Concen: 8.194 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

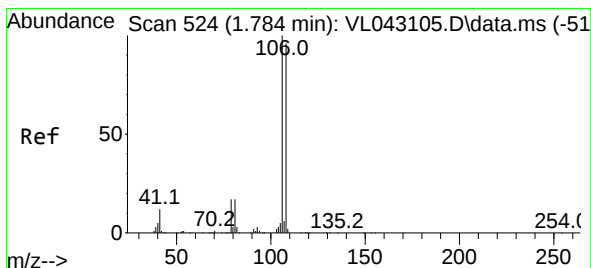
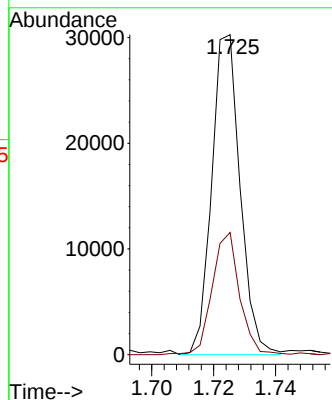
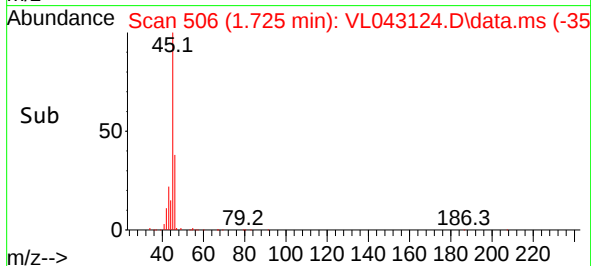
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



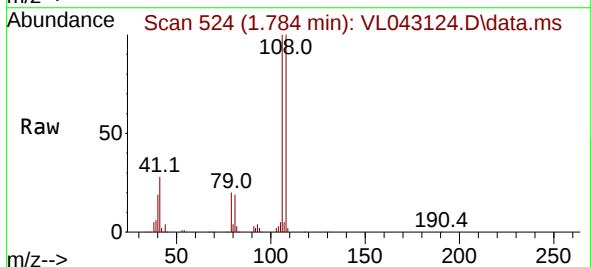
Tgt Ion: 45 Resp: 1930
Ion Ratio Lower Upper
45 100
46 37.3 14.7 58.9

Manual Integrations
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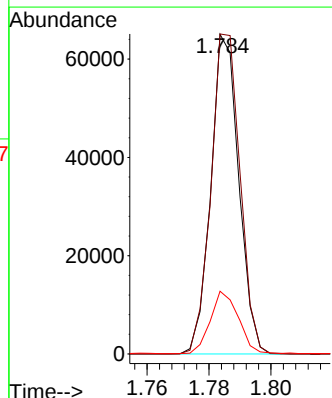
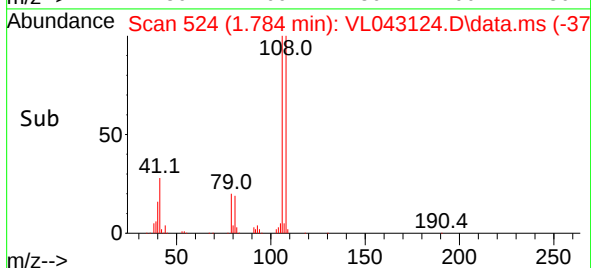
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

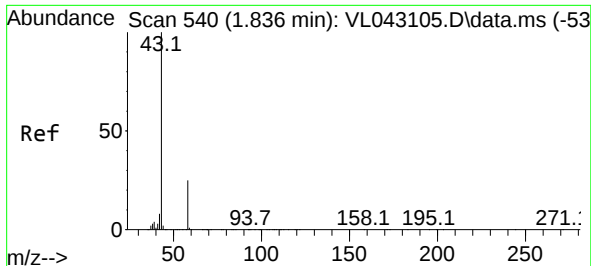


#14
Bromoethene
Concen: 10.491 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14



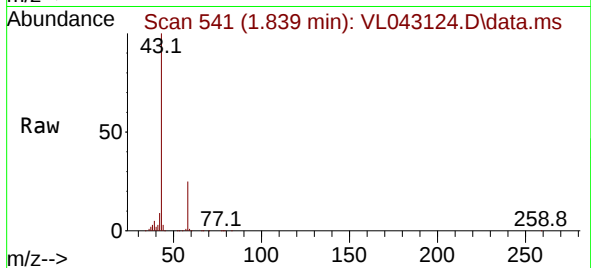
Tgt Ion:108 Resp: 40732
Ion Ratio Lower Upper
108 100
106 104.2 84.4 126.6
79 20.6 15.3 22.9





#15
Acetone
Concen: 9.337 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

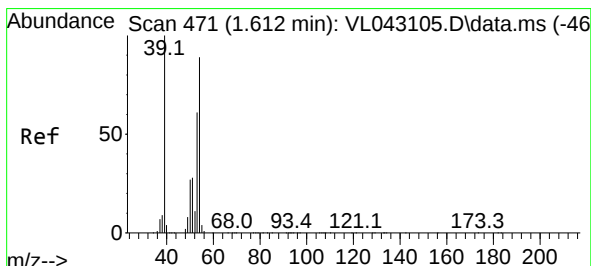
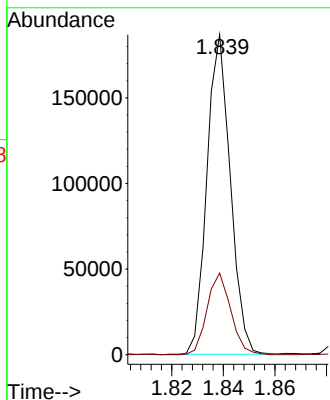
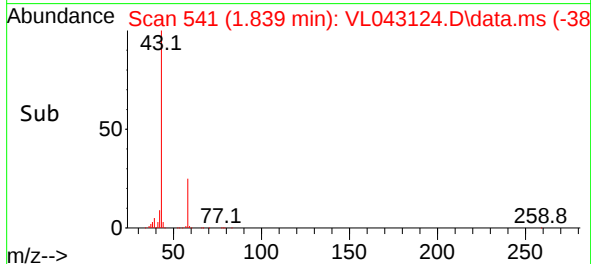
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 117470
Ion Ratio Lower Upper
43 100
58 25.9 20.8 31.2

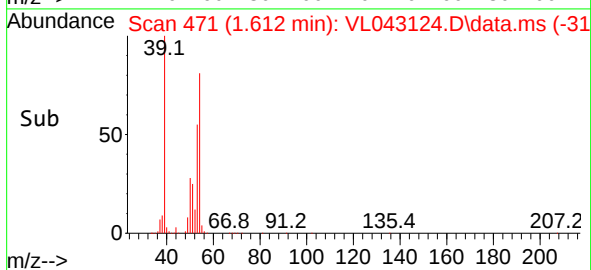
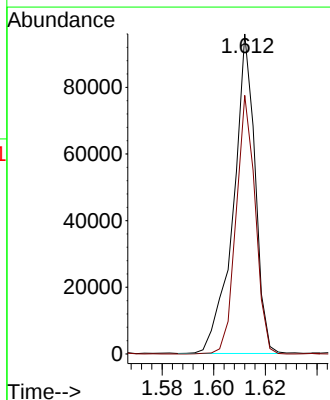
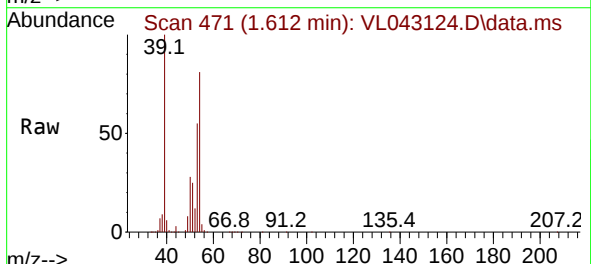
Manual Integrations
APPROVED

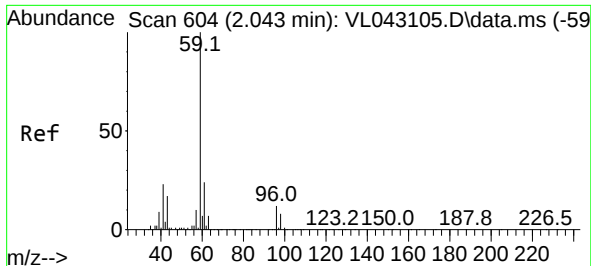
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#16
1,3-Butadiene
Concen: 9.351 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

Tgt Ion: 39 Resp: 56074
Ion Ratio Lower Upper
39 100
54 71.9 59.0 88.4





#17

tert-Butyl alcohol

Concen: 10.449 ppbv

RT: 2.042 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 18046

Ion Ratio Lower Upper

59 100

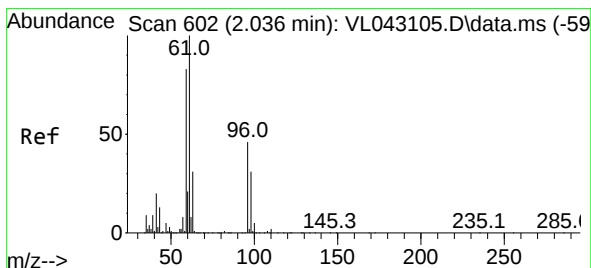
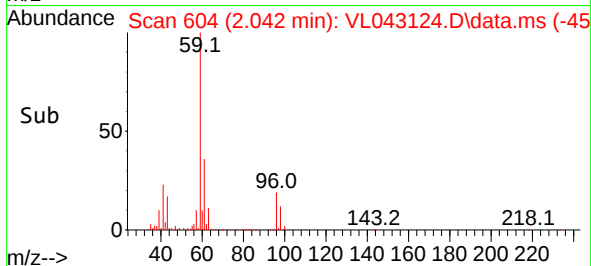
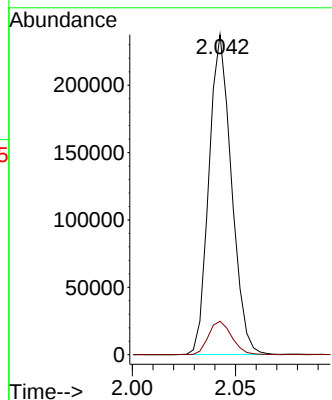
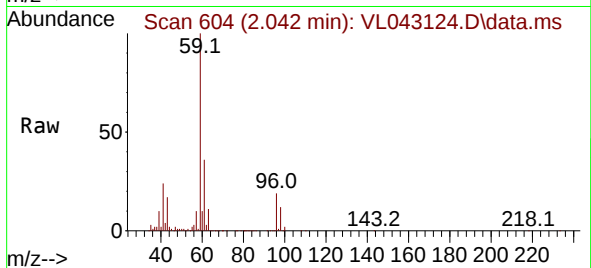
57 10.9 8.2 12.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#18

1,1-Dichloroethene

Concen: 10.878 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

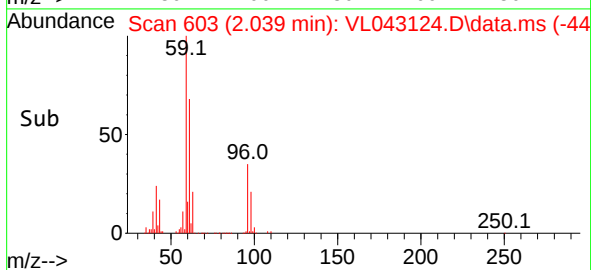
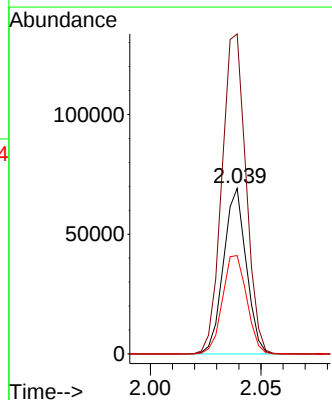
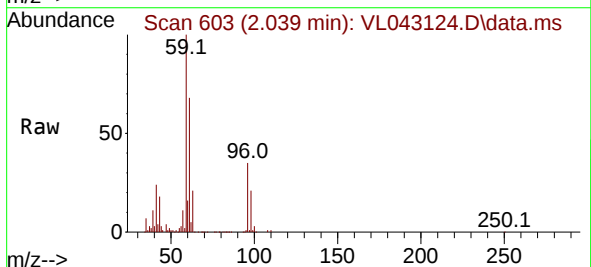
Tgt Ion: 96 Resp: 49561

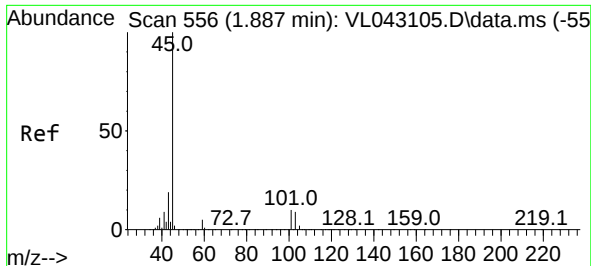
Ion Ratio Lower Upper

96 100

61 193.2 173.4 260.0

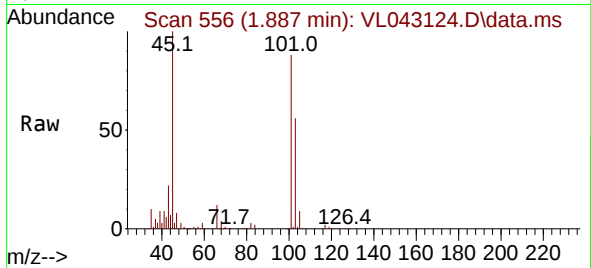
98 59.4 53.2 79.8





#19
Isopropyl Alcohol
Concen: 9.725 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

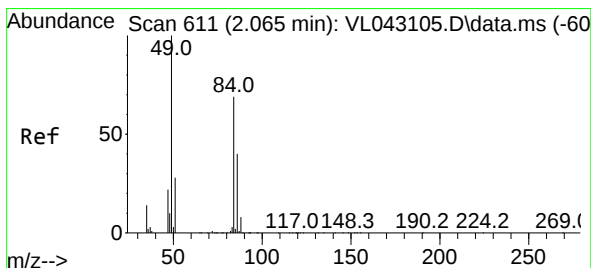
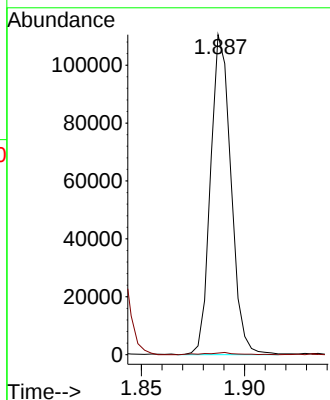
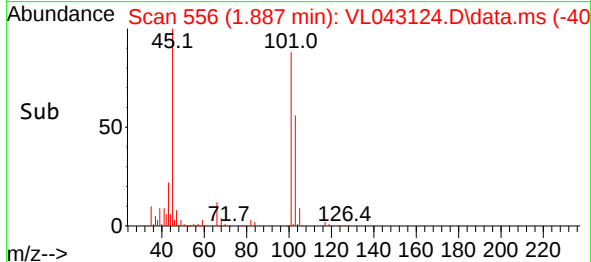
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



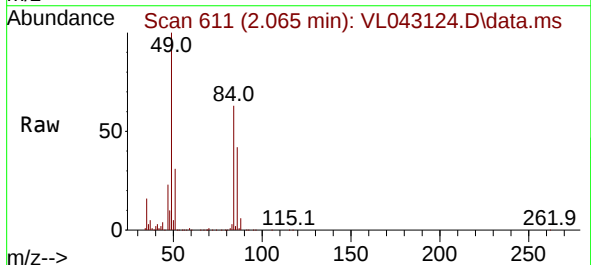
Tgt Ion: 45 Resp: 76214
Ion Ratio Lower Upper
45 100
58 39.9 31.3 46.9

Manual Integrations
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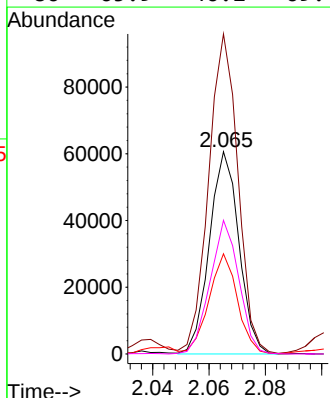
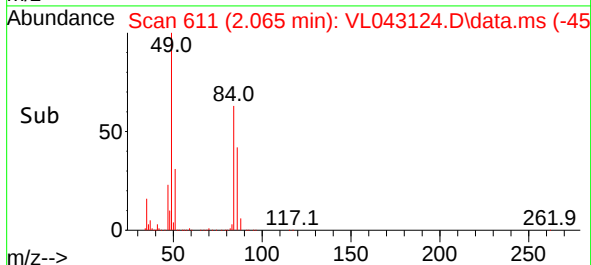
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

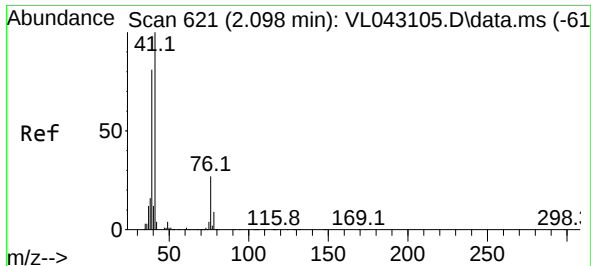


#20
Methylene Chloride
Concen: 8.881 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14



Tgt Ion: 84 Resp: 44171
Ion Ratio Lower Upper
84 100
49 157.9 116.6 175.0
51 49.4 34.8 52.2
86 65.9 46.2 69.4





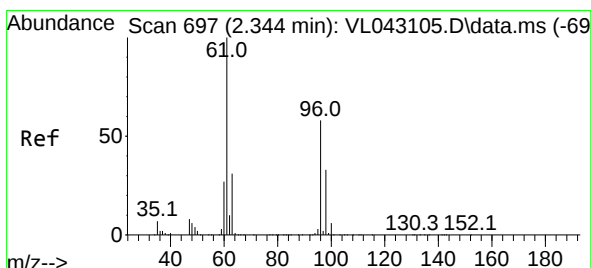
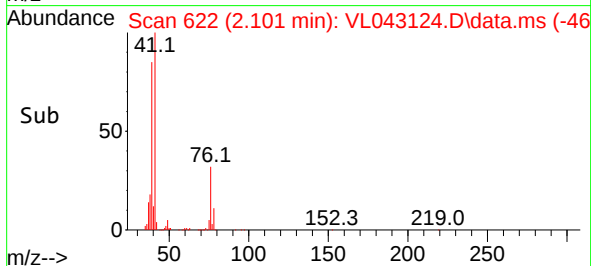
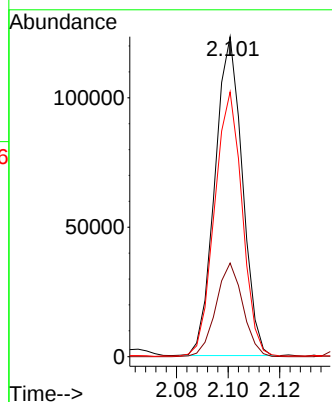
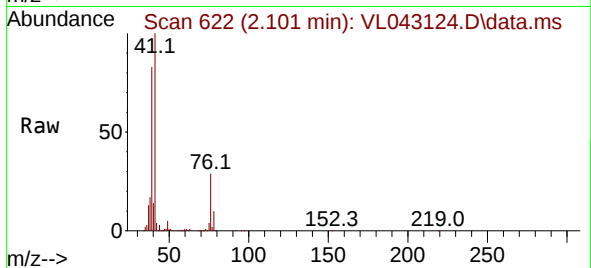
#21
 Allyl Chloride
 Concen: 9.805 ppbv
 RT: 2.101 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL043124.D
 Acq: 16 Oct 2025 09:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 90912
 Ion Ratio Lower Upper
 41 100
 76 28.9 21.5 32.3
 39 83.2 60.8 91.2

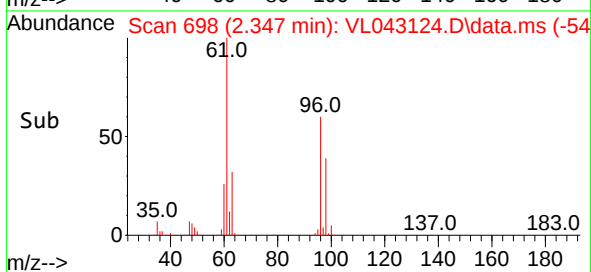
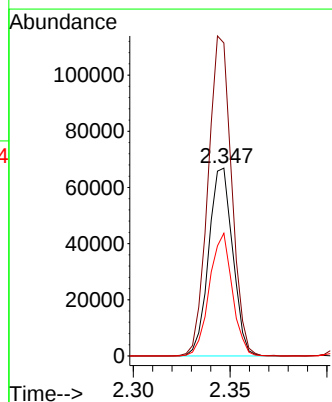
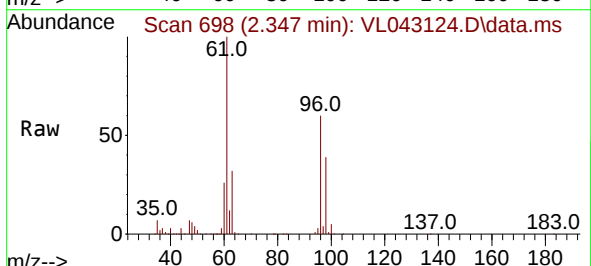
Manual Integrations
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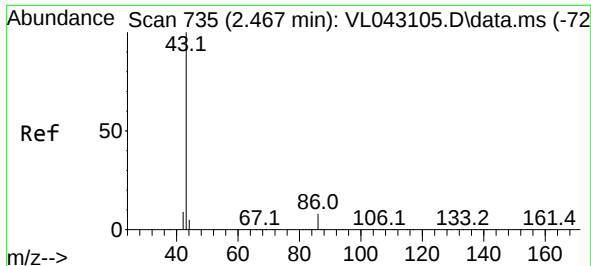
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#22
 trans-1,2-Dichloroethene
 Concen: 10.586 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL043124.D
 Acq: 16 Oct 2025 09:14

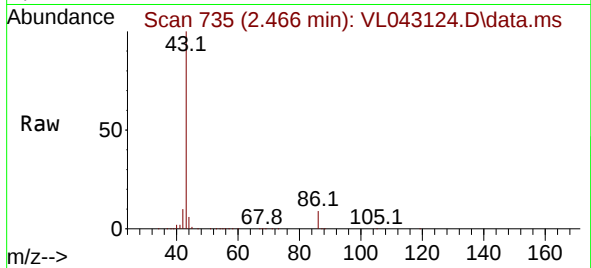
Tgt Ion: 96 Resp: 57654
 Ion Ratio Lower Upper
 96 100
 61 166.6 137.0 205.6
 98 65.3 45.5 68.3





#23
 Vinyl Acetate
 Concen: 10.109 ppbv
 RT: 2.466 min Scan# 719
 Delta R.T. -0.000 min
 Lab File: VL043124.D
 Acq: 16 Oct 2025 09:14

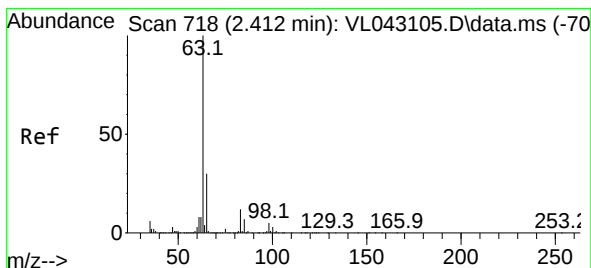
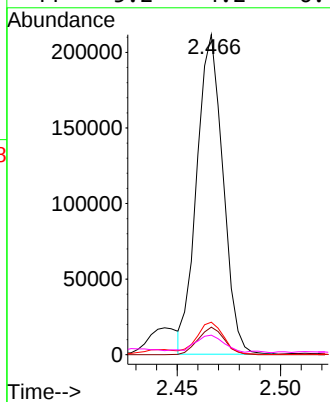
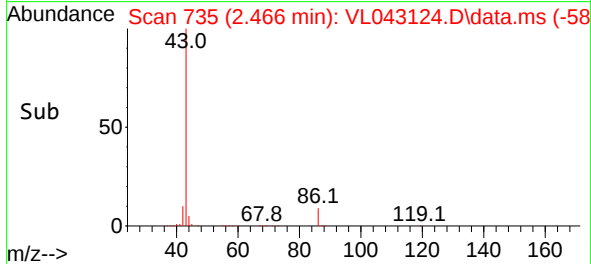
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



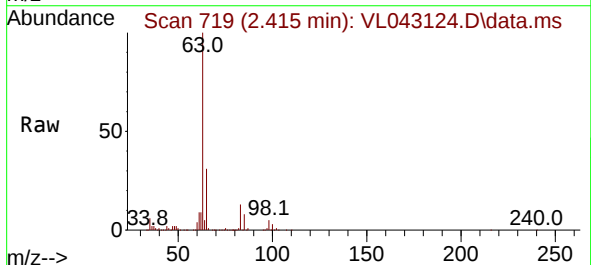
Tgt Ion: 43 Resp: 186324
 Ion Ratio Lower Upper
 43 100
 86 8.6 6.2 9.2
 42 10.0 7.6 11.4
 44 5.2 4.2 6.4

Manual Integrations
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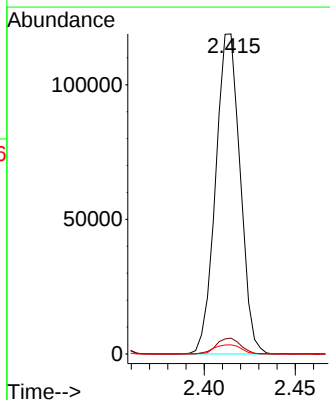
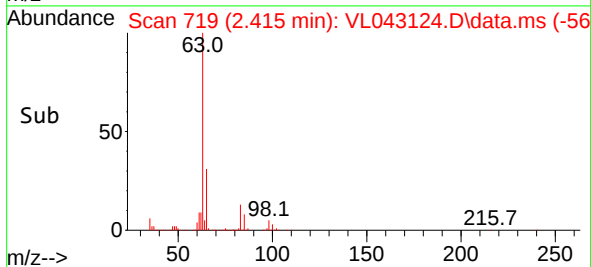
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025

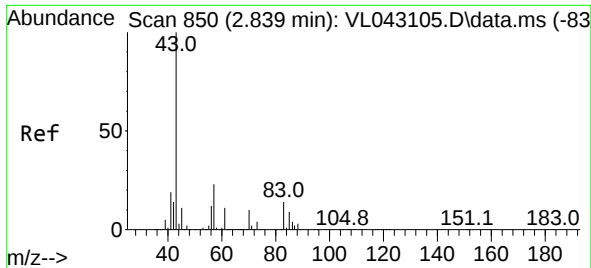


#24
 1,1-Dichloroethane
 Concen: 10.572 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL043124.D
 Acq: 16 Oct 2025 09:14



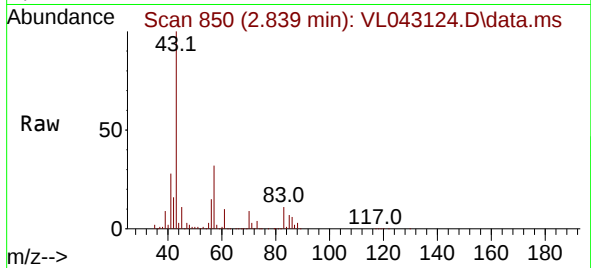
Tgt Ion: 63 Resp: 111252
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.6 7.8
 100 2.8 1.5 4.4





#25
Ethyl Acetate
Concen: 8.938 ppbv
RT: 2.839 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

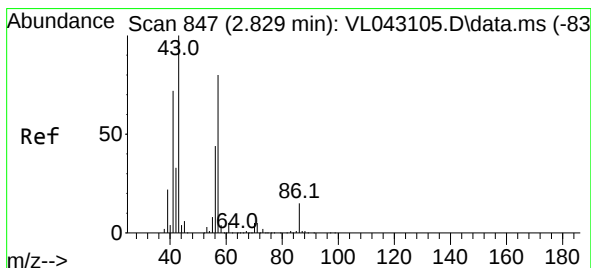
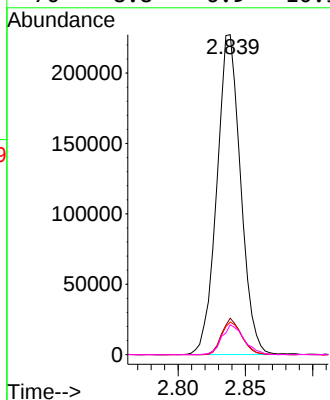
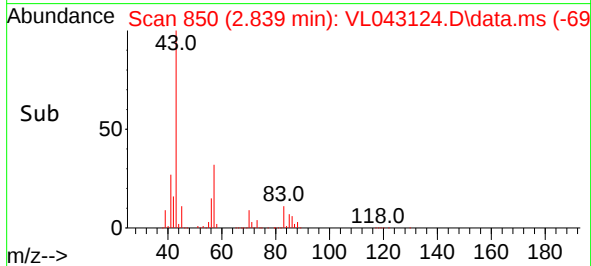
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 27888
Ion Ratio Lower Upper
43 100
45 9.6 7.8 11.8
61 9.0 7.0 10.6
70 8.8 6.9 10.3

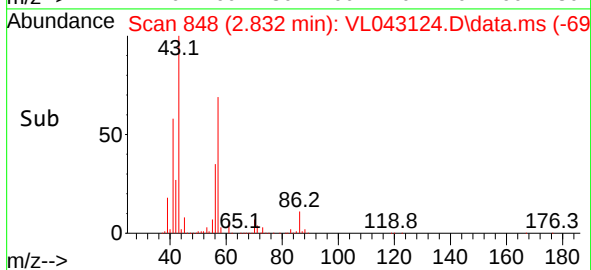
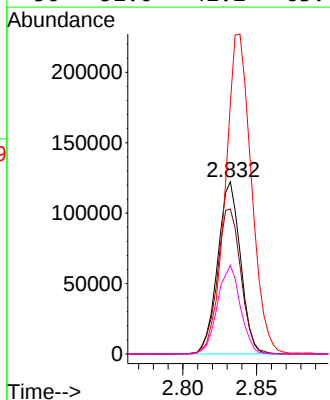
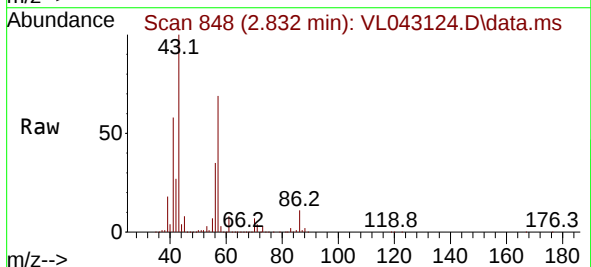
Manual Integrations
APPROVED

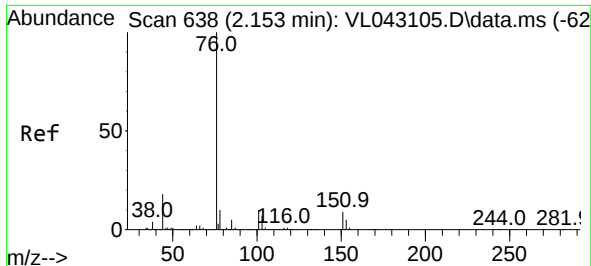
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#26
Hexane
Concen: 9.099 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

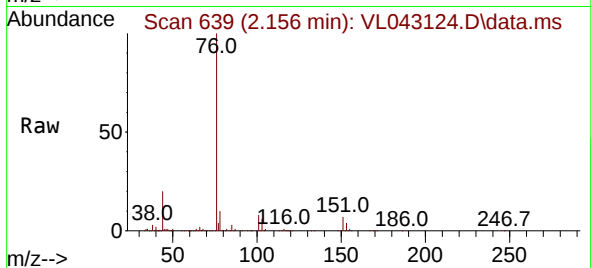
Tgt Ion: 57 Resp: 130825
Ion Ratio Lower Upper
57 100
41 89.0 71.4 107.0
43 214.1 178.5 267.7
56 52.0 42.2 63.4





#27
Carbon Disulfide
Concen: 10.533 ppbv
RT: 2.156 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

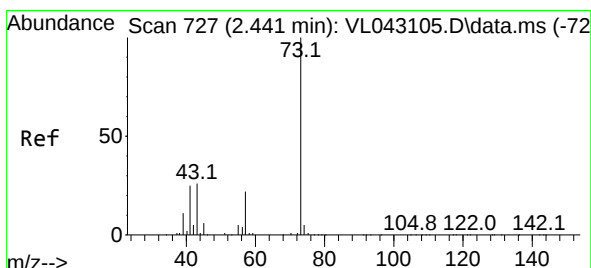
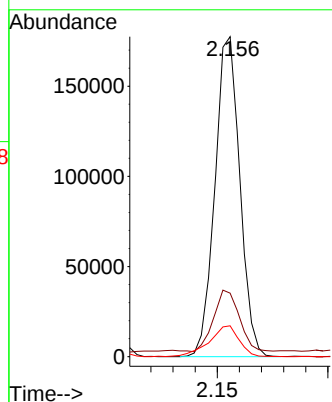
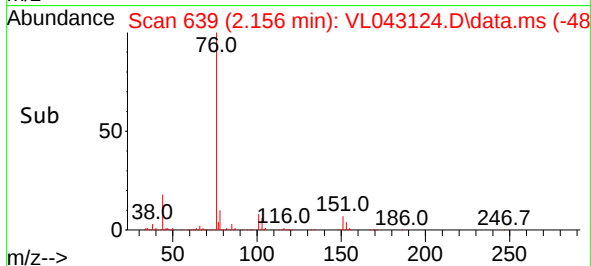
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 76 Resp: 138750
Ion Ratio Lower Upper
76 100
44 21.3 16.7 25.1
78 11.7 9.3 13.9

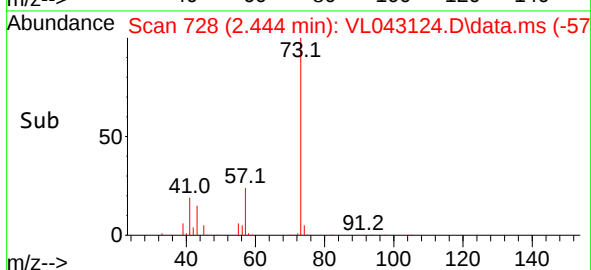
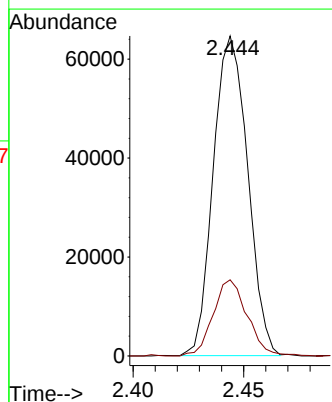
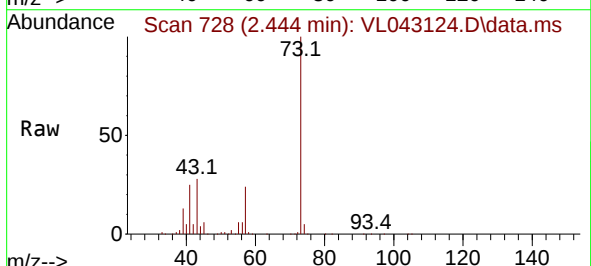
Manual Integrations
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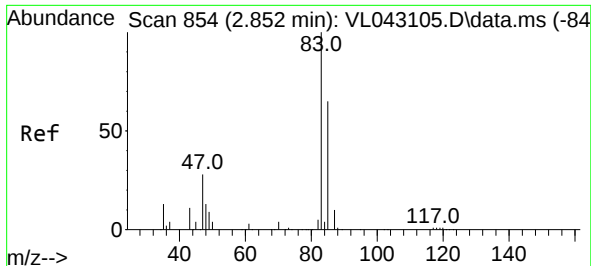
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#28
Methyl tert-Butyl Ether
Concen: 10.695 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

Tgt Ion: 73 Resp: 69955
Ion Ratio Lower Upper
73 100
57 23.7 20.5 30.7





#29

Chloroform

Concen: 10.504 ppbv

RT: 2.855 min Scan# 854

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 21882

Ion Ratio Lower Upper

83 100

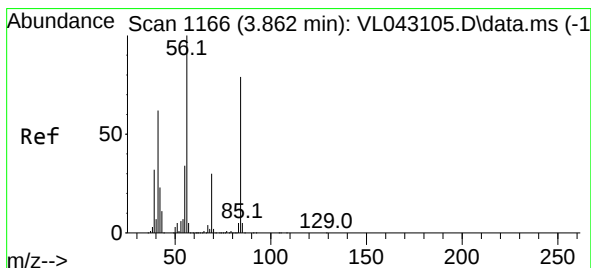
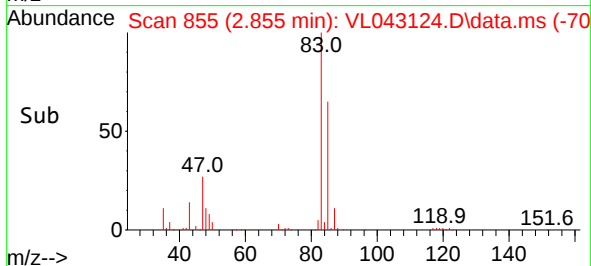
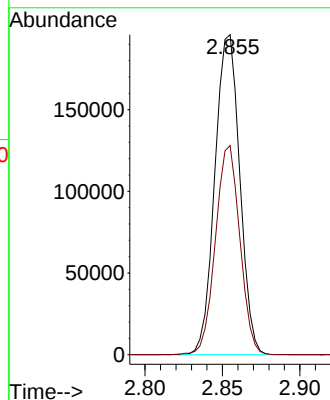
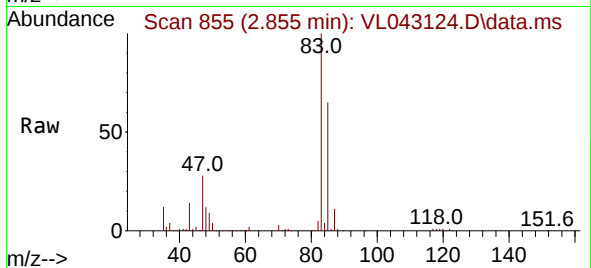
85 65.3 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#30

Cyclohexane

Concen: 8.983 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

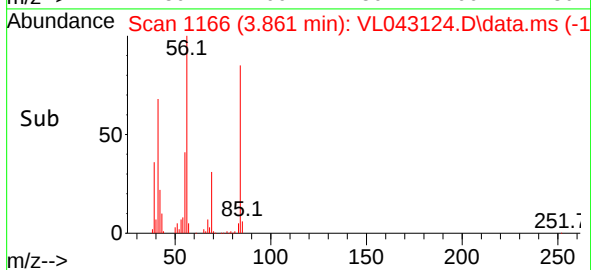
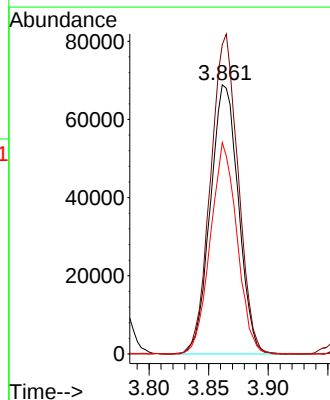
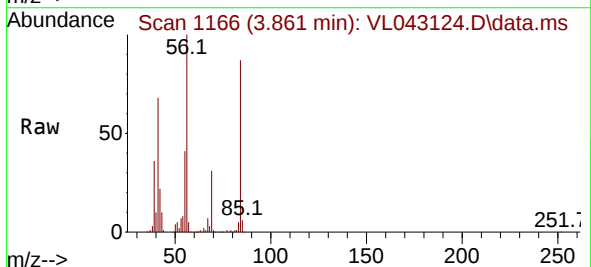
Tgt Ion: 84 Resp: 112730

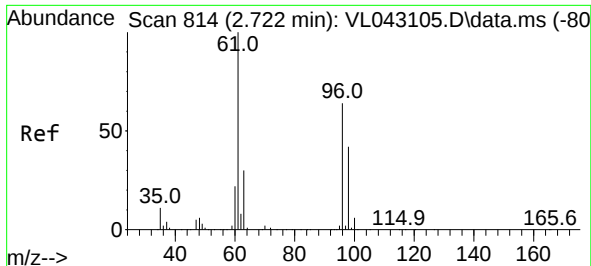
Ion Ratio Lower Upper

84 100

56 116.5 100.9 151.3

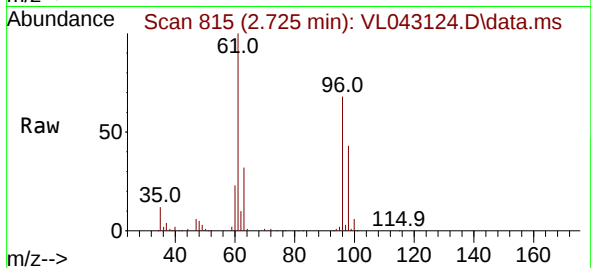
41 74.4 63.8 95.6





#31
 cis-1,2-Dichloroethene
 Concen: 10.255 ppbv
 RT: 2.725 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL043124.D
 Acq: 16 Oct 2025 09:14

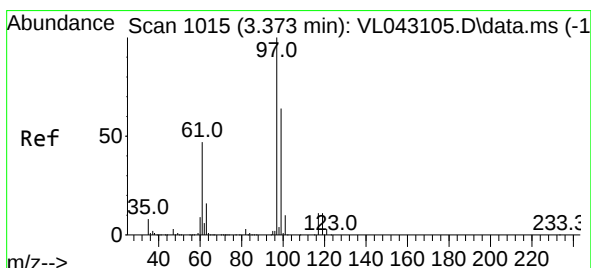
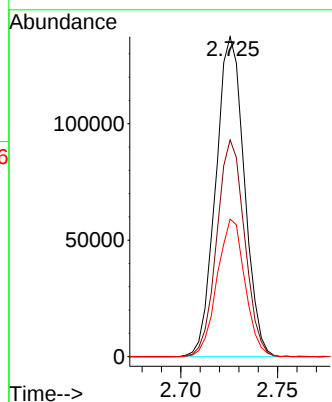
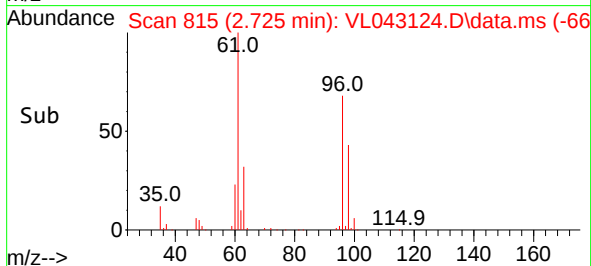
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 61 Resp: 140780
 Ion Ratio Lower Upper
 61 100
 96 67.7 51.0 76.6
 98 43.0 33.5 50.3

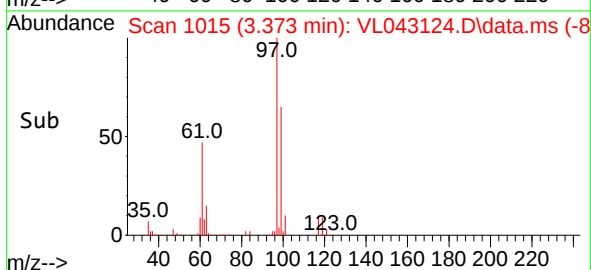
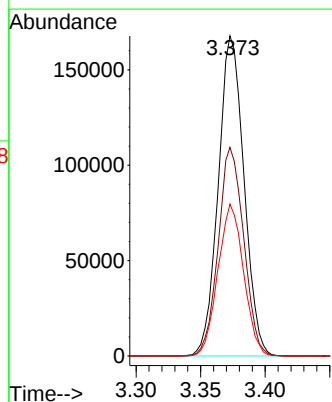
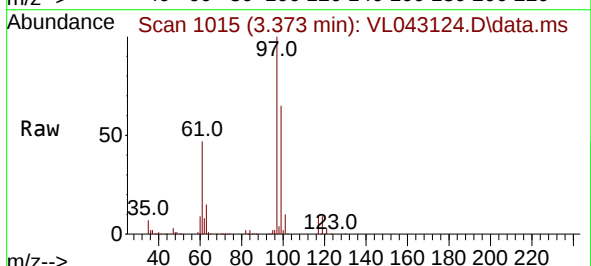
Manual Integrations
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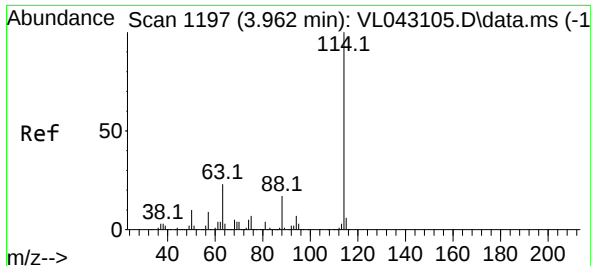
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#32
 1,1,1-Trichloroethane
 Concen: 10.692 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL043124.D
 Acq: 16 Oct 2025 09:14

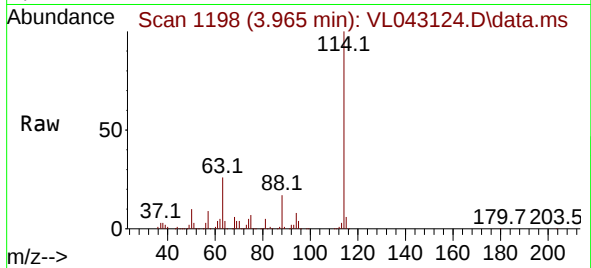
Tgt Ion: 97 Resp: 231957
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.3 76.9
 61 47.4 38.4 57.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1197
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

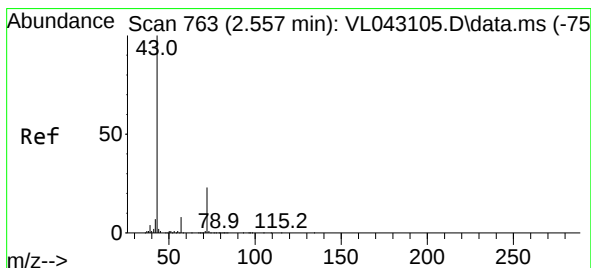
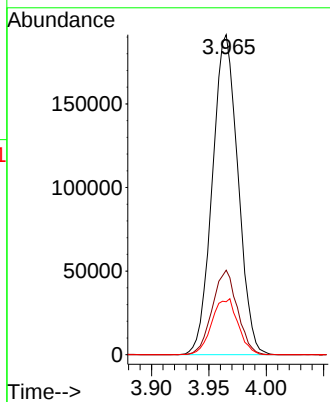
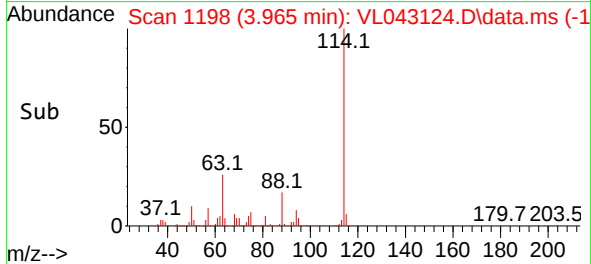
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:114 Resp: 297102
Ion Ratio Lower Upper
114 100
63 25.9 19.3 28.9
88 17.9 13.9 20.9

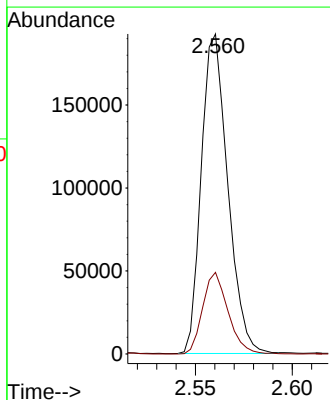
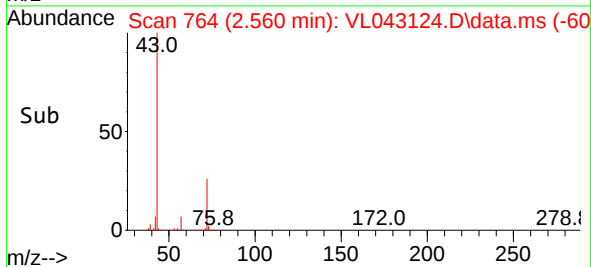
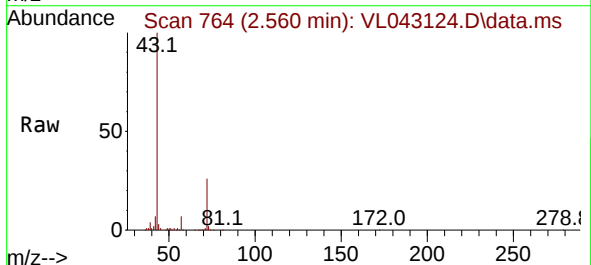
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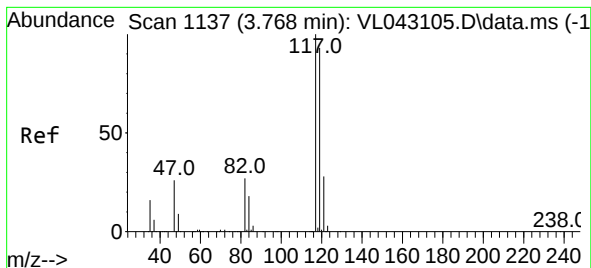
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#34
2-Butanone
Concen: 9.166 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

Tgt Ion: 43 Resp: 183049
Ion Ratio Lower Upper
43 100
72 24.5 18.4 27.6





#35

Carbon Tetrachloride

Concen: 10.989 ppbv

RT: 3.771 min Scan# 1137

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:117 Resp: 23473

Ion Ratio Lower Upper

117 100

119 94.6 74.1 111.1

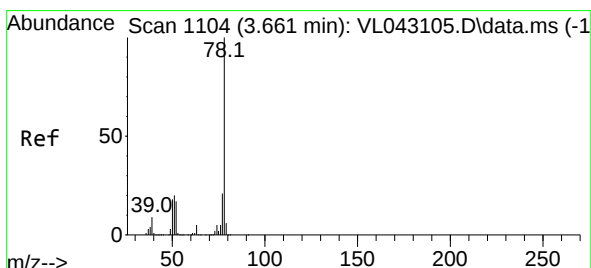
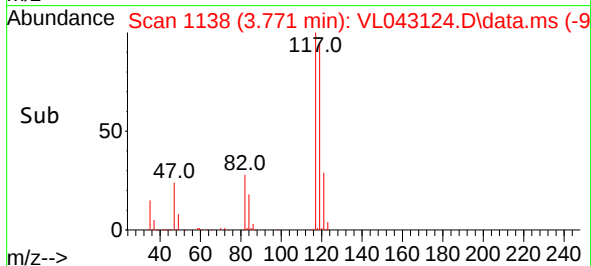
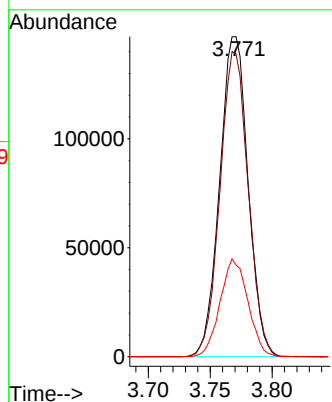
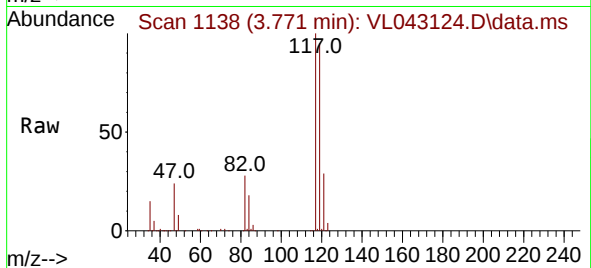
121 28.6 22.2 33.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#36

Benzene

Concen: 9.536 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

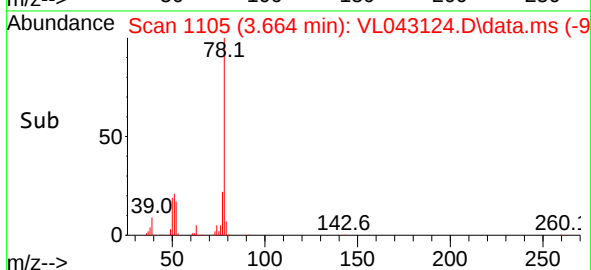
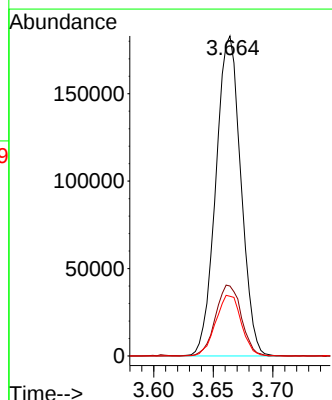
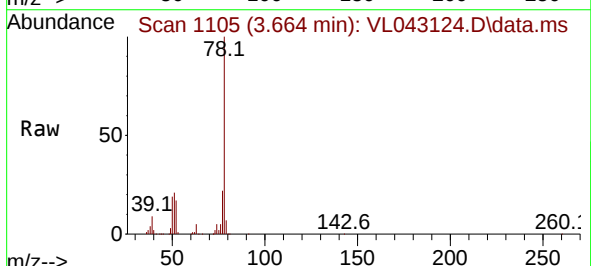
Tgt Ion: 78 Resp: 266849

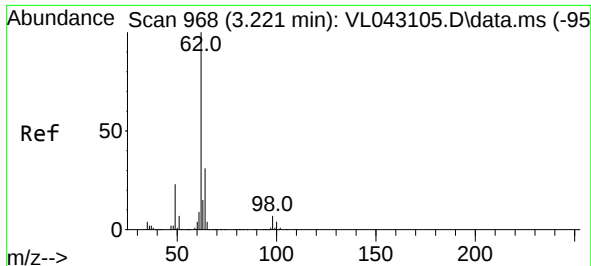
Ion Ratio Lower Upper

78 100

77 21.8 17.0 25.6

50 18.7 14.6 22.0





#37

1,2-Dichloroethane

Concen: 10.893 ppbv

RT: 3.224 min Scan# 968

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 17558

Ion Ratio Lower Upper

62 100

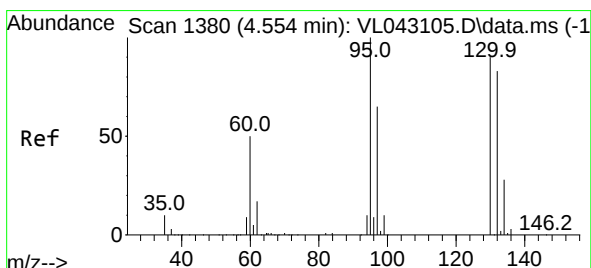
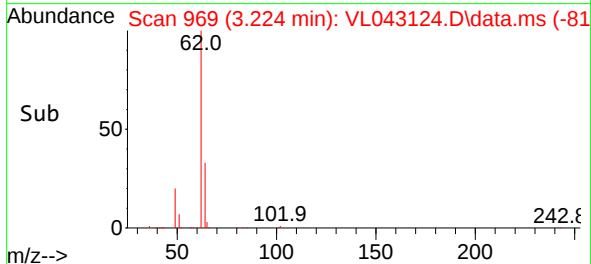
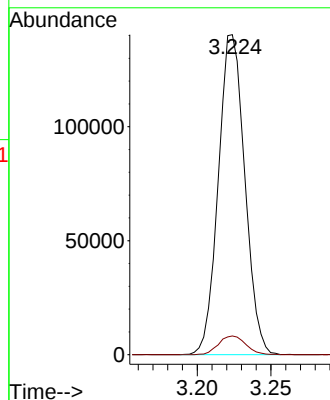
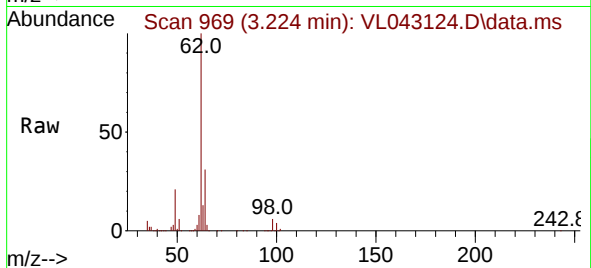
98 6.0 5.8 8.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#38

Trichloroethene

Concen: 9.021 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Tgt Ion:130 Resp: 105427

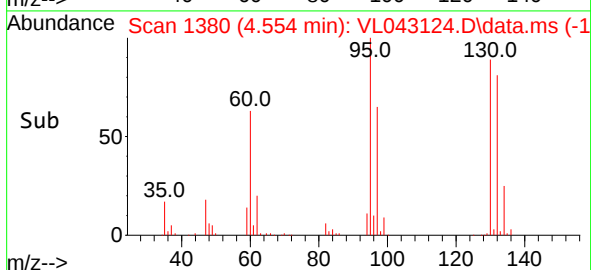
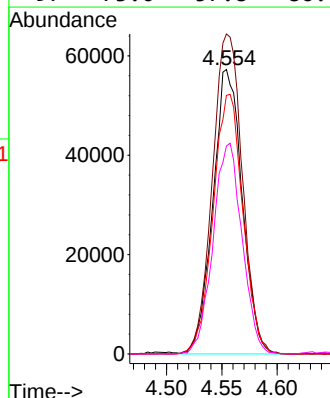
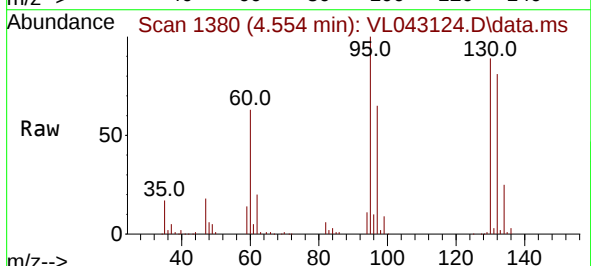
Ion Ratio Lower Upper

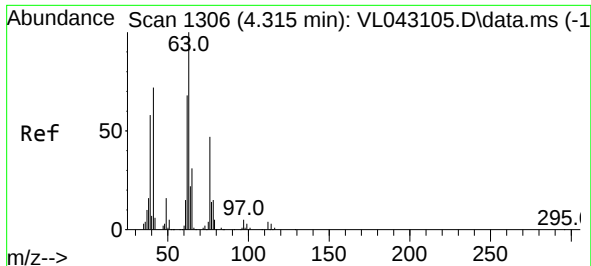
130 100

95 112.3 88.6 133.0

132 90.7 73.4 110.0

97 73.0 57.8 86.6





#39

1,2-Dichloropropane

Concen: 9.123 ppbv

RT: 4.321 min Scan# 1306

Delta R.T. 0.006 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

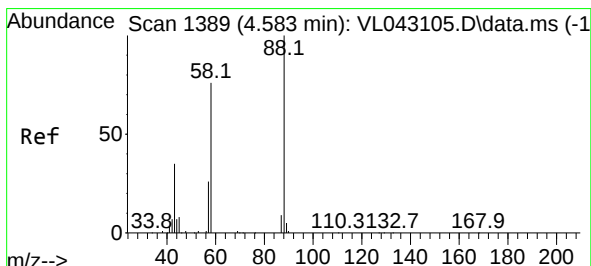
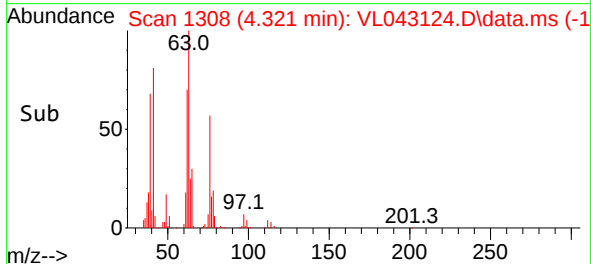
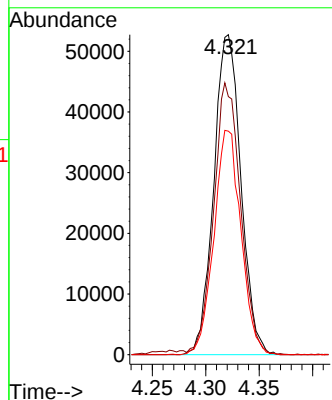
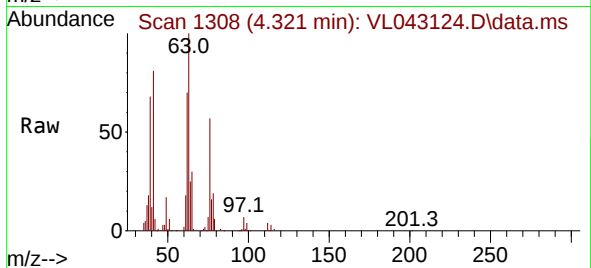
VSTDCCC010

Tgt Ion:	63	Resp:	9332
Ion	Ratio	Lower	Upper
63	100		
41	80.3	58.0	87.0
62	69.8	54.7	82.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#40

1,4-Dioxane

Concen: 9.606 ppbv

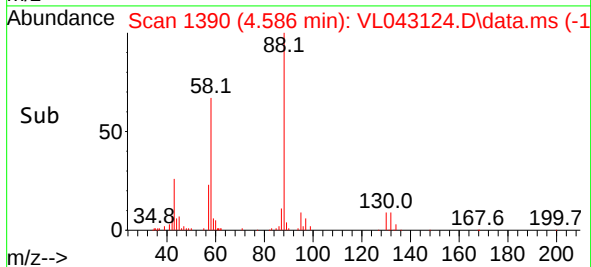
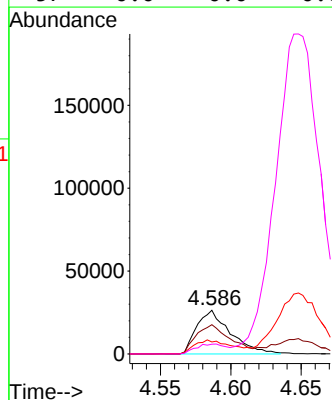
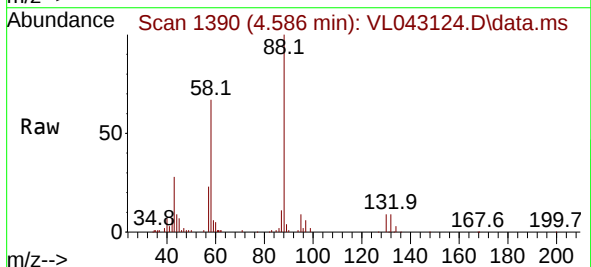
RT: 4.586 min Scan# 1390

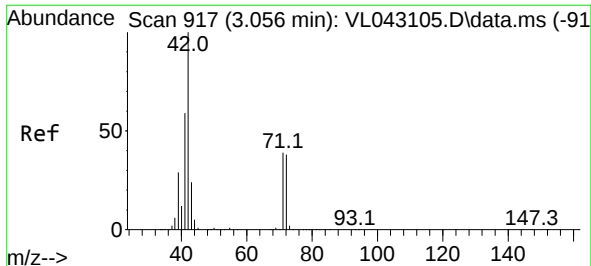
Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

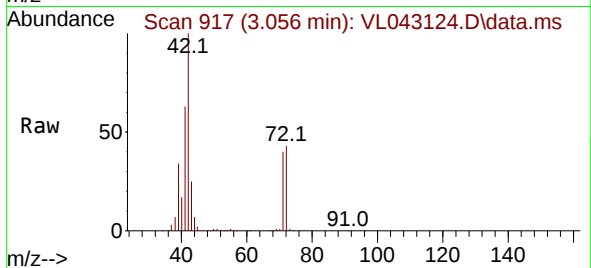
Tgt Ion:	88	Resp:	43974
Ion	Ratio	Lower	Upper
88	100		
58	65.9	61.1	91.7
43	36.0	24.0	36.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 8.362 ppbv
RT: 3.056 min Scan# 917
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

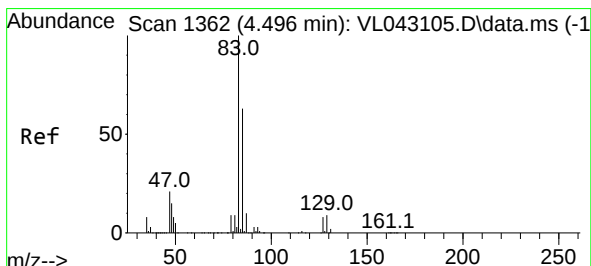
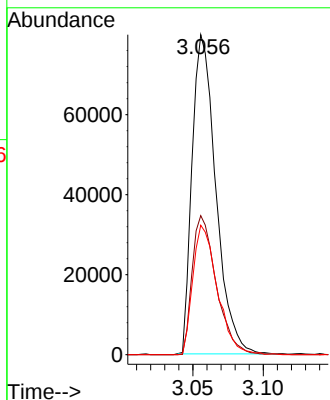
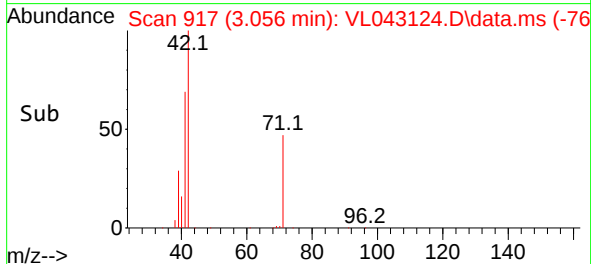
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



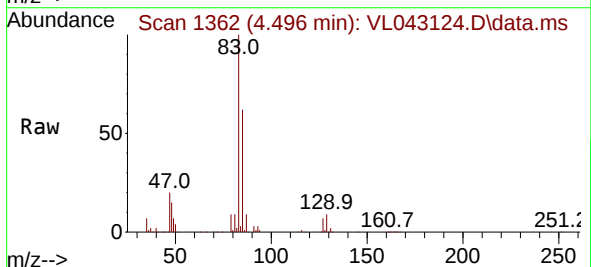
Tgt Ion: 42 Resp: 93405
Ion Ratio Lower Upper
42 100
72 44.4 31.3 46.9
71 41.8 30.4 45.6

Manual Integrations
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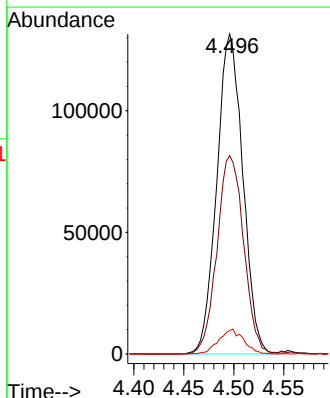
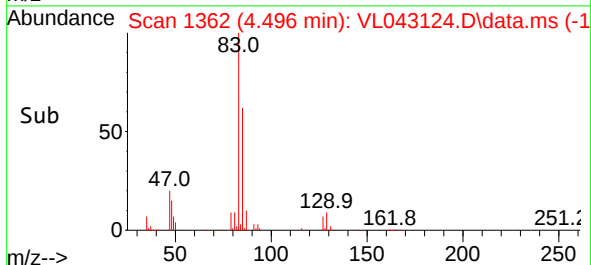
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#42
Bromodichloromethane
Concen: 10.696 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14



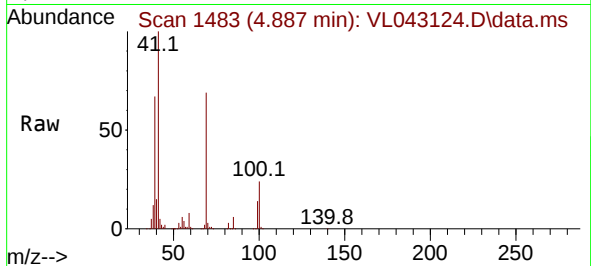
Tgt Ion: 83 Resp: 238626
Ion Ratio Lower Upper
83 100
85 62.0 50.6 75.8
127 7.4 6.3 9.5





#43
Methyl Methacrylate
Concen: 9.342 ppbv
RT: 4.887 min Scan# 1481
Delta R.T. 0.006 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

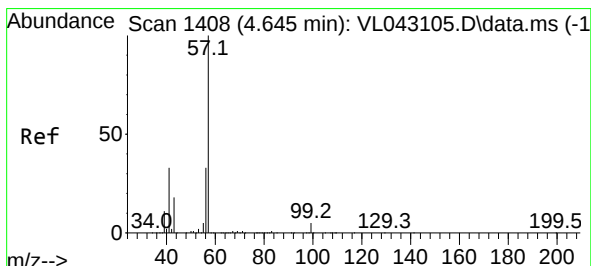
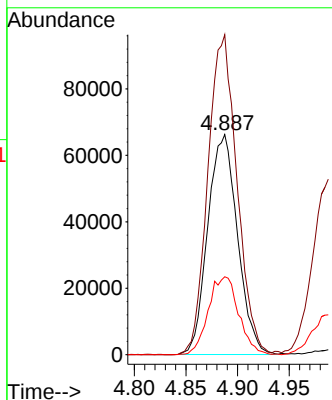
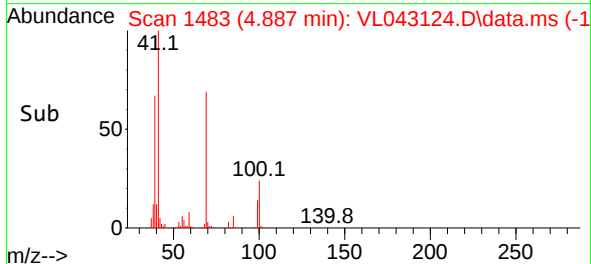
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



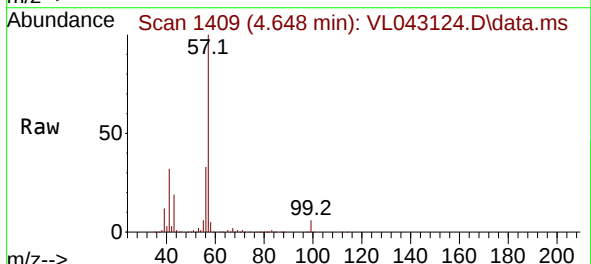
Tgt Ion: 69 Resp: 132764
Ion Ratio Lower Upper
69 100
41 142.4 120.5 180.7
100 36.0 29.0 43.4

Manual Integrations
APPROVED

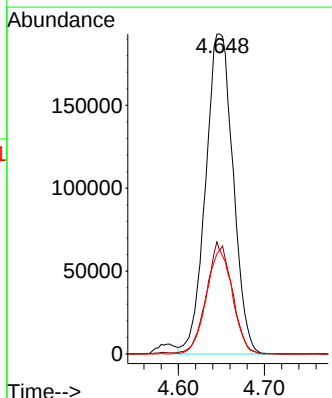
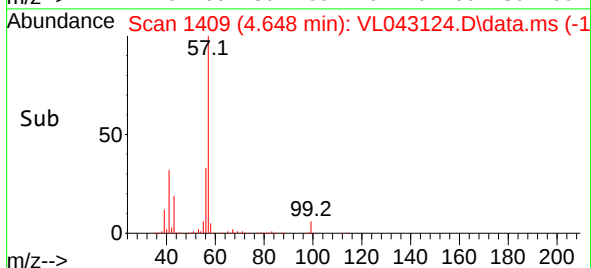
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

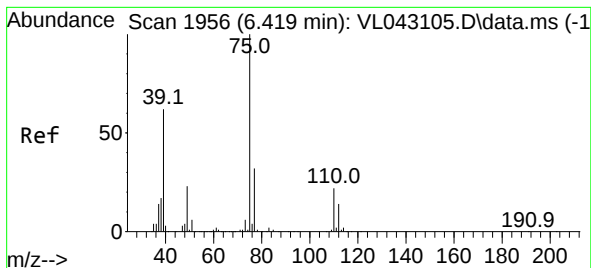


#44
2,2,4-Trimethylpentane
Concen: 9.084 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14



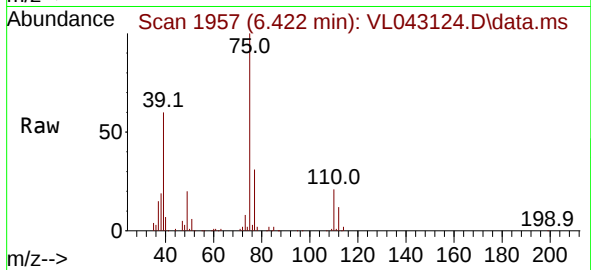
Tgt Ion: 57 Resp: 428858
Ion Ratio Lower Upper
57 100
41 33.3 26.3 39.5
56 31.2 25.9 38.9





#45
 t-1,3-Dichloropropene
 Concen: 10.086 ppbv
 RT: 6.422 min Scan# 1956
 Delta R.T. 0.003 min
 Lab File: VL043124.D
 Acq: 16 Oct 2025 09:14

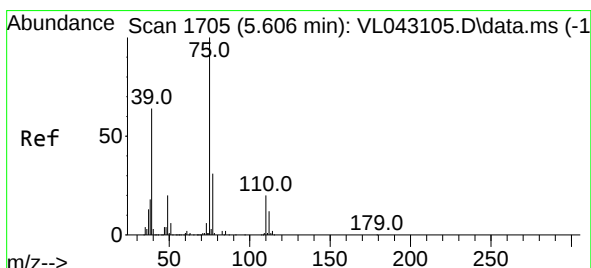
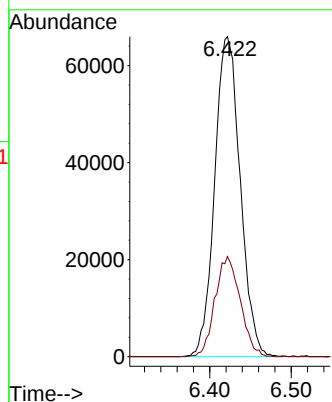
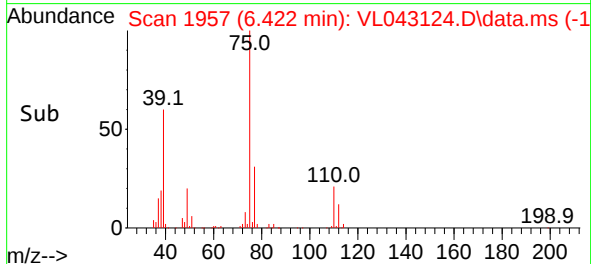
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 75 Resp: 14385
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.2

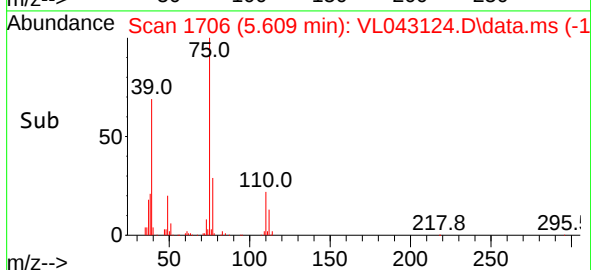
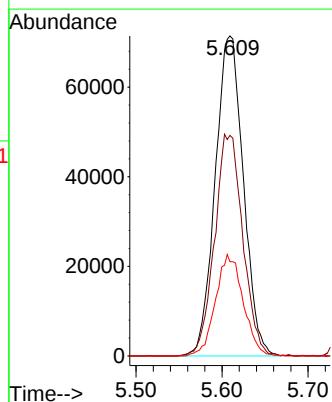
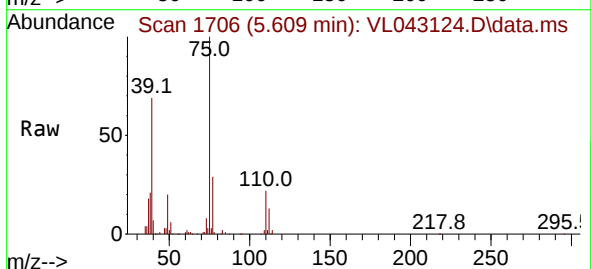
Manual Integrations
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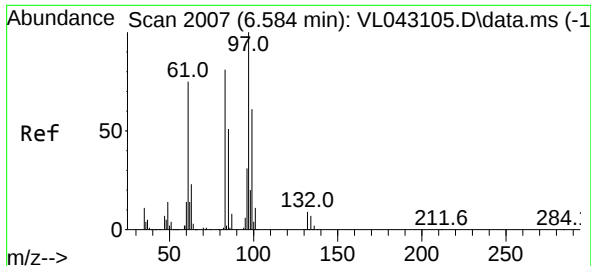
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#46
 cis-1,3-Dichloropropene
 Concen: 9.537 ppbv
 RT: 5.609 min Scan# 1706
 Delta R.T. 0.003 min
 Lab File: VL043124.D
 Acq: 16 Oct 2025 09:14

Tgt Ion: 75 Resp: 162496
 Ion Ratio Lower Upper
 75 100
 39 68.7 51.0 76.6
 77 29.4 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 9.545 ppbv

RT: 6.587 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 10544

Ion Ratio Lower Upper

97 100

83 83.8 64.6 96.8

85 51.7 40.6 60.8

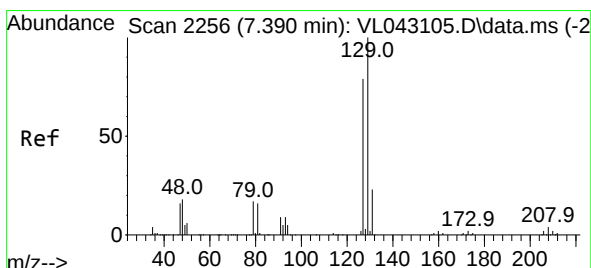
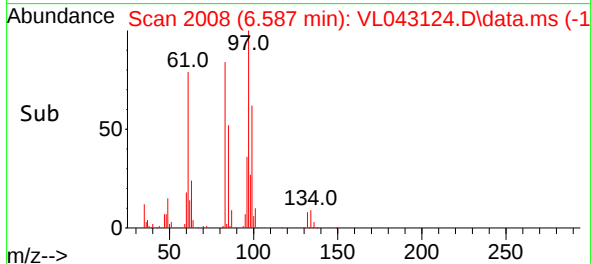
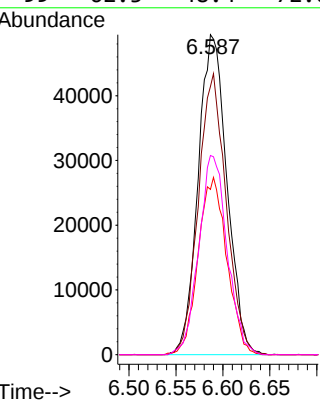
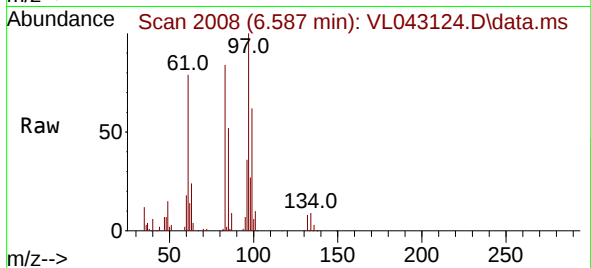
99 62.3 48.4 72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#48

Dibromochloromethane

Concen: 10.342 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.003 min

Lab File: VL043124.D

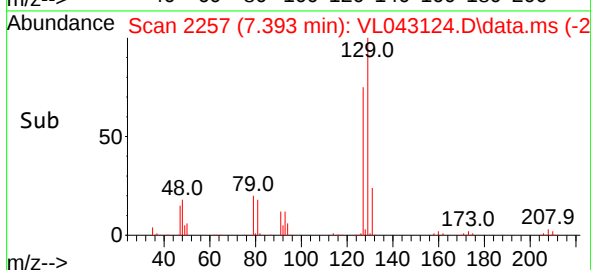
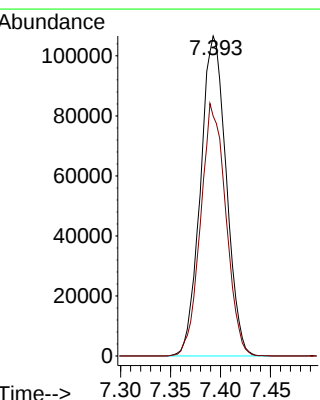
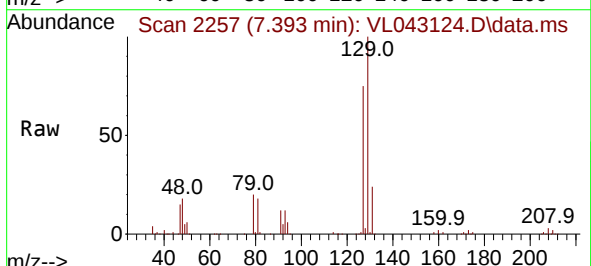
Acq: 16 Oct 2025 09:14

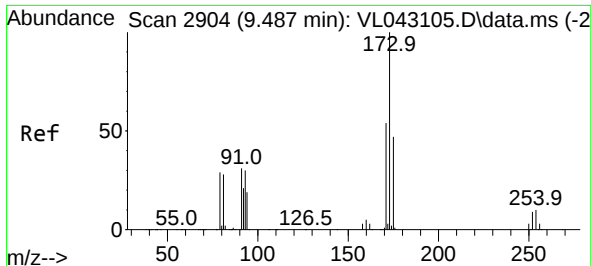
Tgt Ion:129 Resp: 191024

Ion Ratio Lower Upper

129 100

127 77.2 39.3 117.9





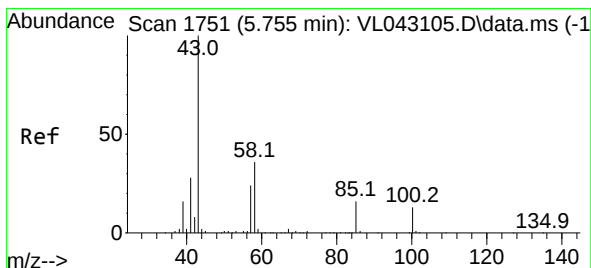
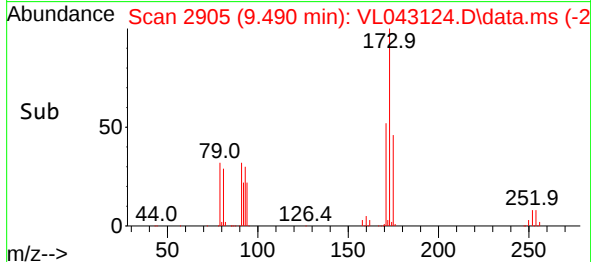
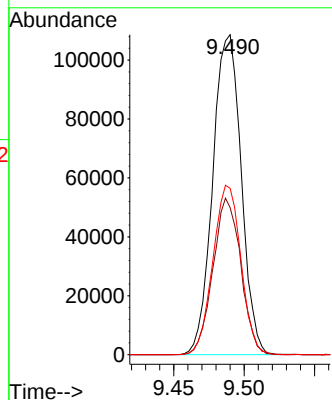
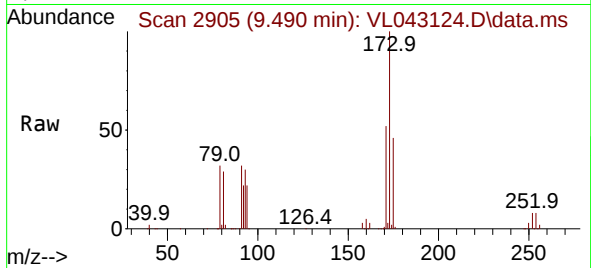
#49
Bromoform
Concen: 10.182 ppbv
RT: 9.490 min Scan# 2904
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 152870
Ion Ratio Lower Upper
173 100
175 47.8 38.8 58.2
171 52.0 41.7 62.5

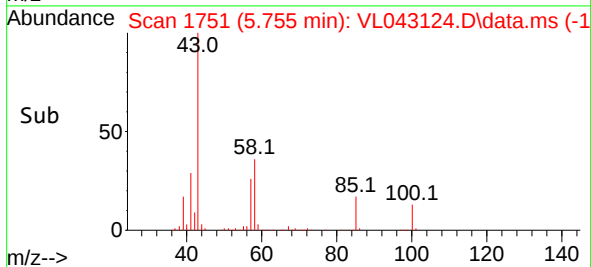
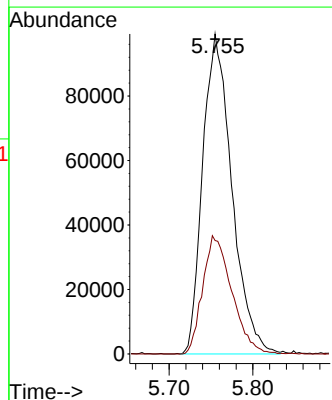
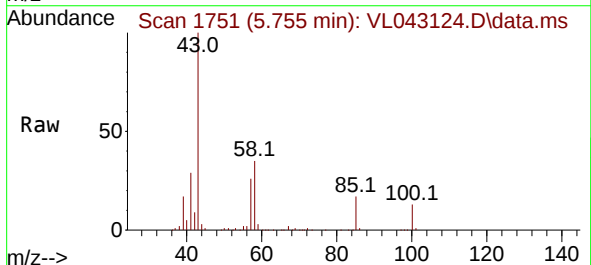
Manual Integrations
APPROVED

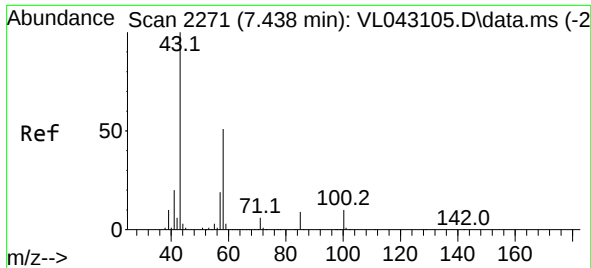
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#50
4-Methyl-2-Pentanone
Concen: 8.719 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

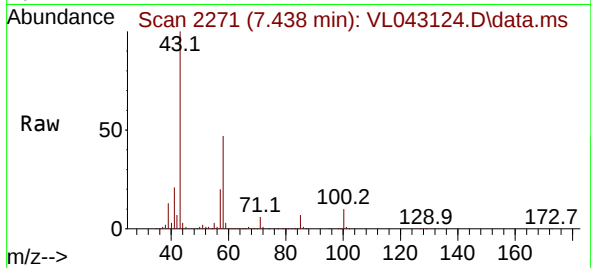
Tgt Ion: 43 Resp: 240313
Ion Ratio Lower Upper
43 100
58 37.0 29.1 43.7





#51
2-Hexanone
Concen: 8.993 ppbv
RT: 7.438 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

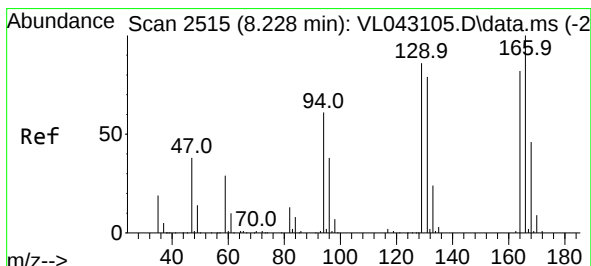
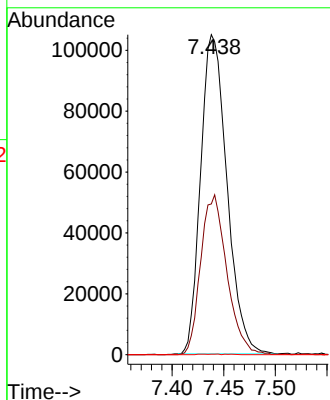
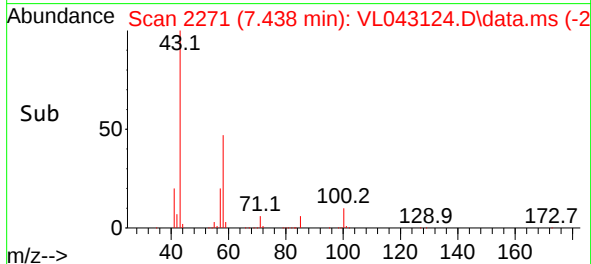
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 185904
Ion Ratio Lower Upper
43 100
58 49.8 40.4 60.6
98 0.2 0.1 0.1

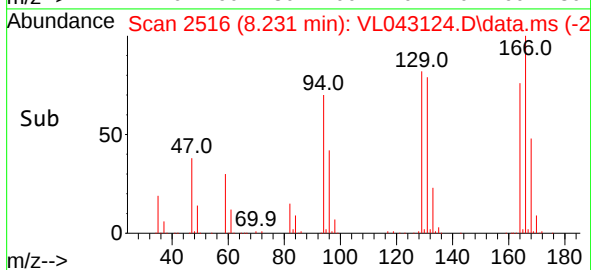
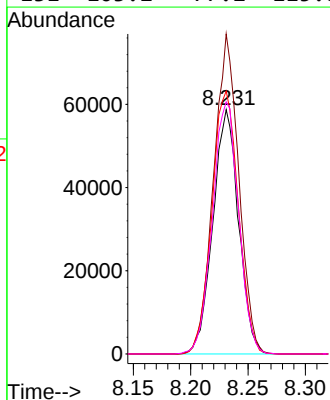
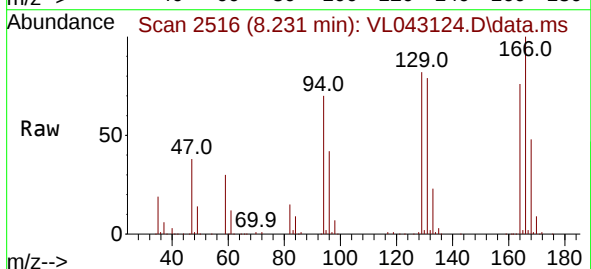
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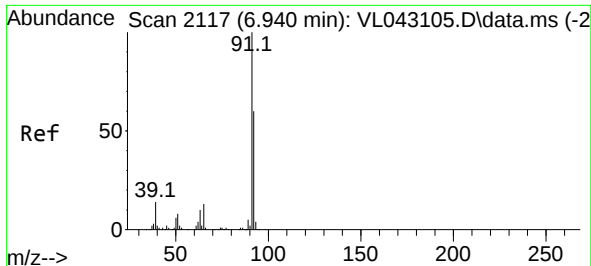
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#52
Tetrachloroethene
Concen: 9.045 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

Tgt Ion:164 Resp: 91268
Ion Ratio Lower Upper
164 100
166 131.0 97.6 146.4
129 107.6 84.5 126.7
131 103.2 77.2 115.8





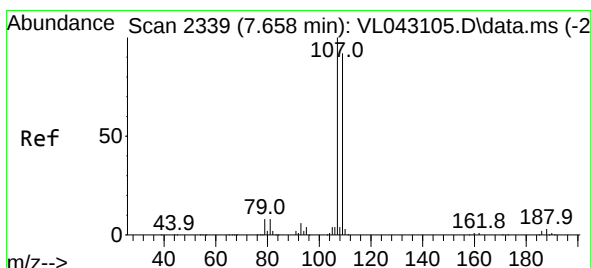
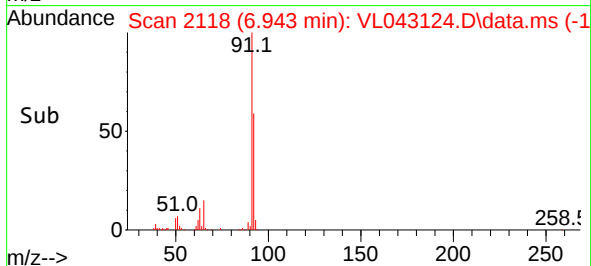
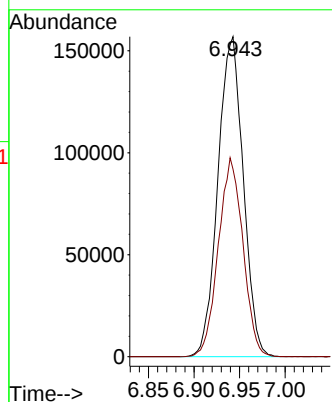
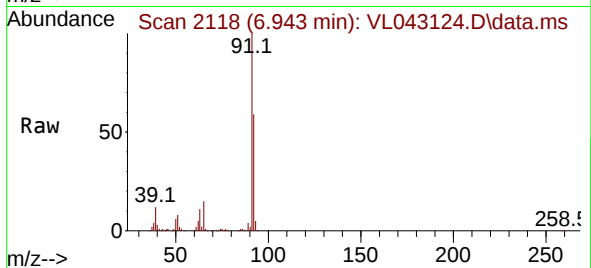
#53
Toluene
Concen: 9.138 ppbv
RT: 6.943 min Scan# 2117
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 30346
Ion Ratio Lower Upper
91 100
92 60.4 48.8 73.2

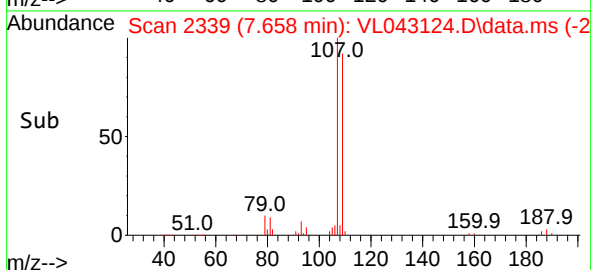
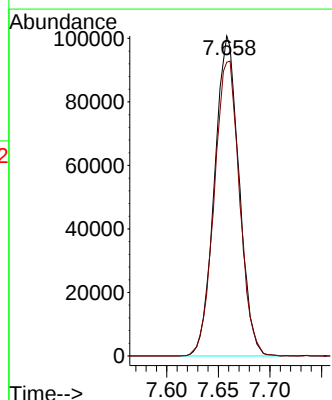
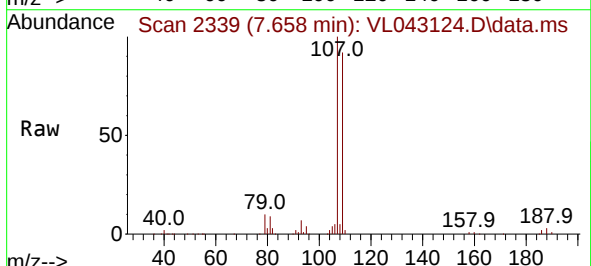
Manual Integrations
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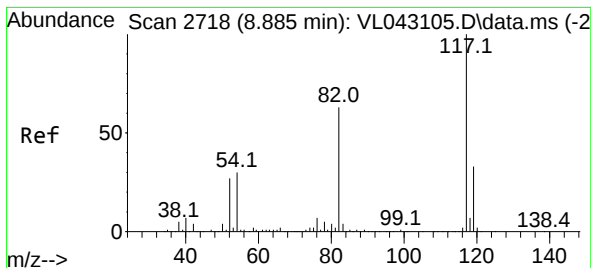
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#54
1,2-Dibromoethane
Concen: 9.619 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

Tgt Ion:107 Resp: 166451
Ion Ratio Lower Upper
107 100
109 91.8 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2718

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

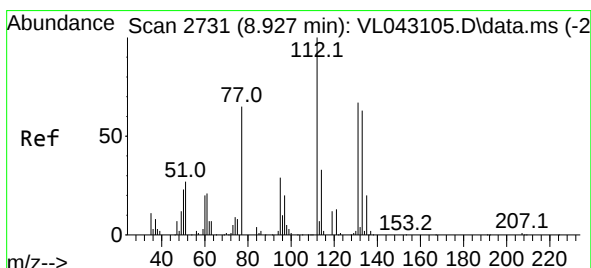
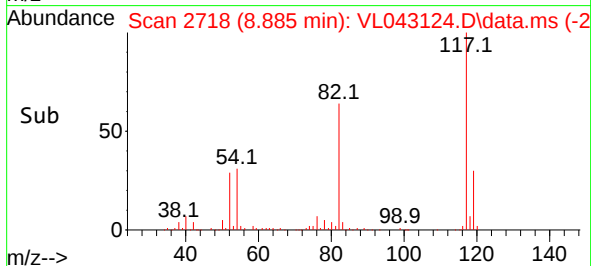
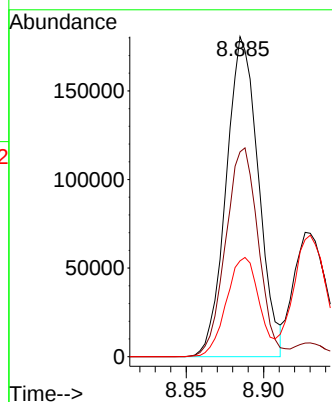
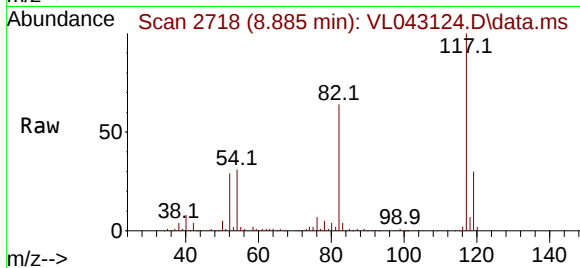
Tgt Ion:117 Resp: 261870

Ion	Ratio	Lower	Upper
117	100		
82	70.2	53.8	80.8
119	31.7	25.4	38.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 10.327 ppbv

RT: 8.930 min Scan# 2732

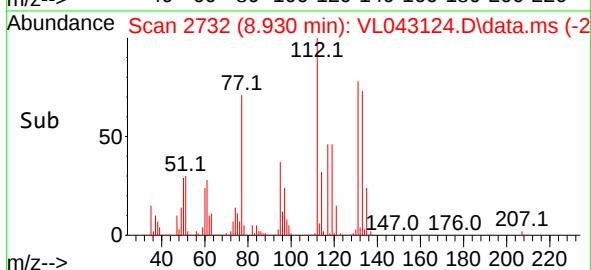
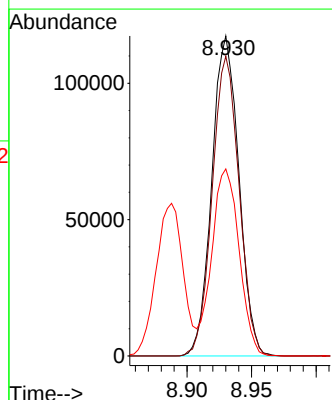
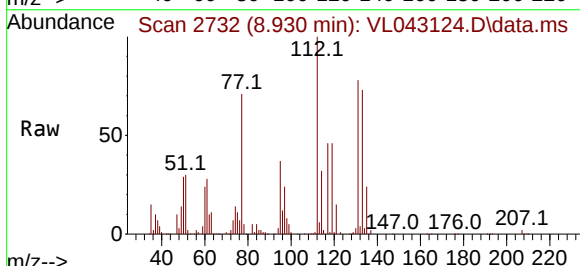
Delta R.T. 0.003 min

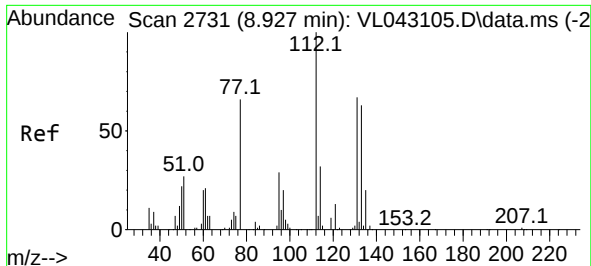
Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Tgt Ion:131 Resp: 170476

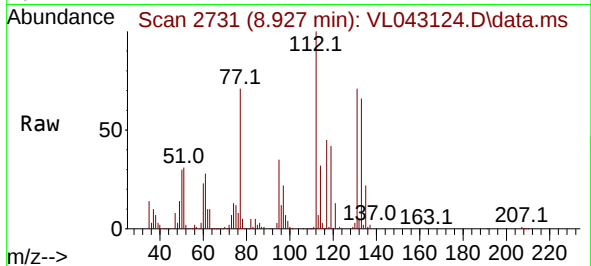
Ion	Ratio	Lower	Upper
131	100		
133	93.3	75.7	113.5
119	60.3	50.6	76.0





#57
Chlorobenzene
Concen: 9.221 ppbv
RT: 8.927 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

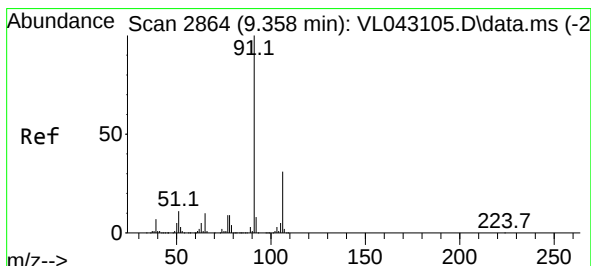
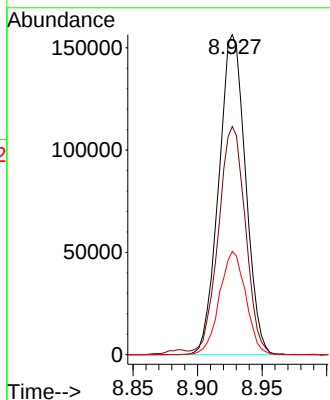
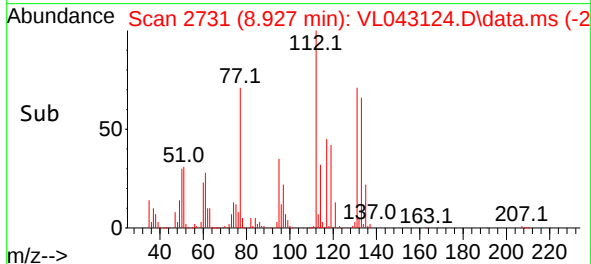
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:112 Resp: 22589
Ion Ratio Lower Upper
112 100
77 71.2 53.3 79.9
114 32.2 29.3 35.8

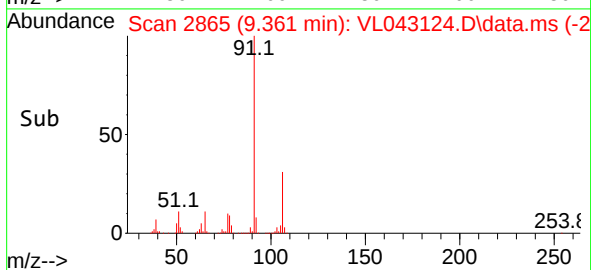
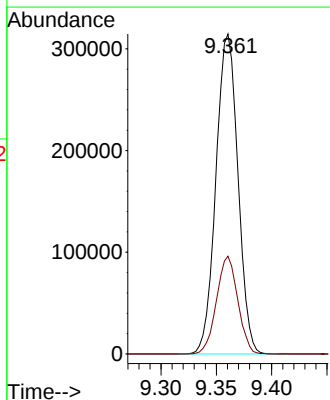
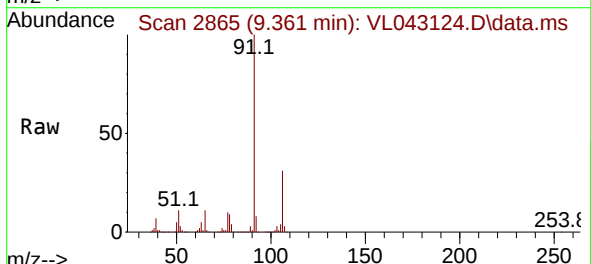
Manual Integrations
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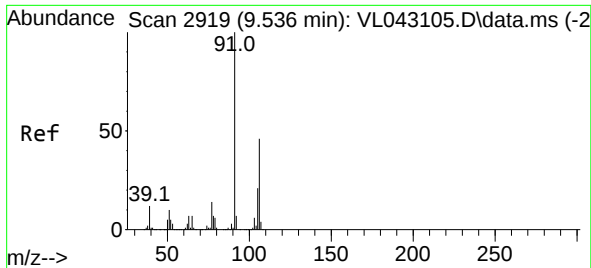
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#58
Ethyl Benzene
Concen: 9.670 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

Tgt Ion: 91 Resp: 434593
Ion Ratio Lower Upper
91 100
106 30.6 24.8 37.2





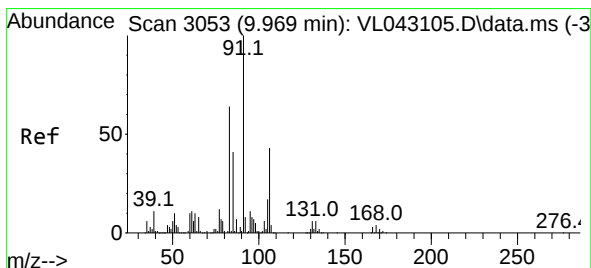
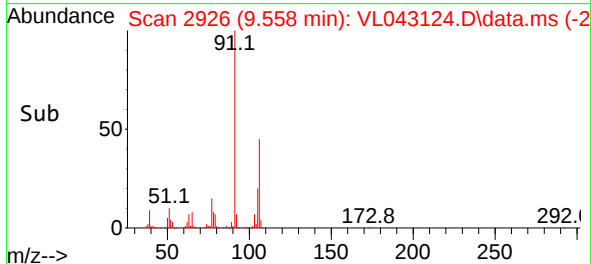
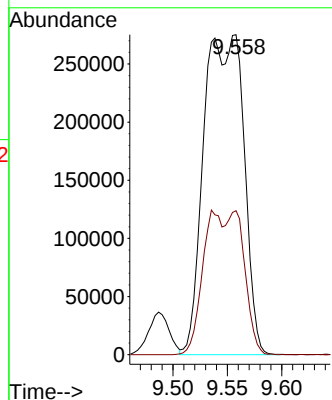
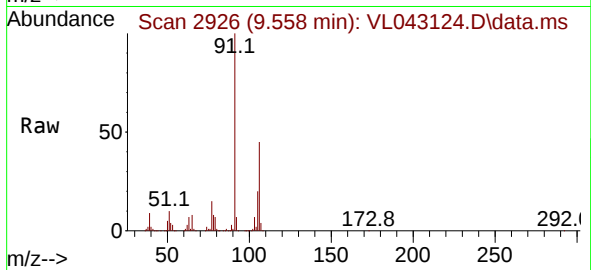
#59
m/p-Xylene
Concen: 19.630 ppbv m
RT: 9.558 min Scan# 2919
Delta R.T. 0.022 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 70369
Ion Ratio Lower Upper
91 100
106 44.7 38.0 57.0

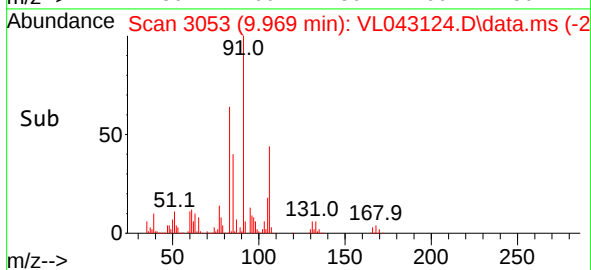
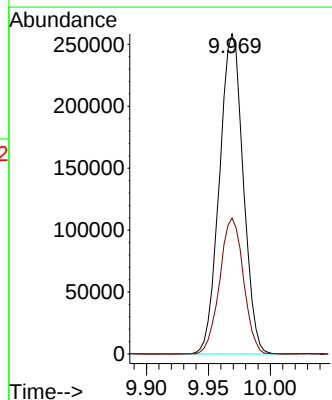
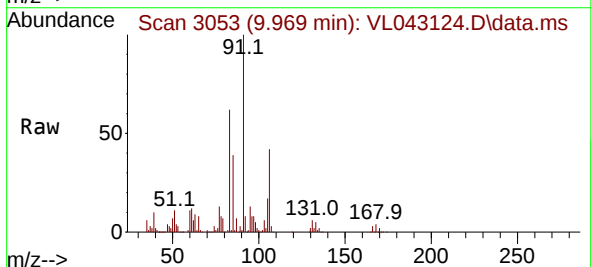
Manual Integrations
APPROVED

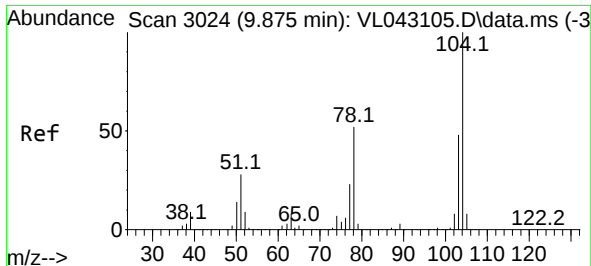
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#60
o-Xylene
Concen: 9.754 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

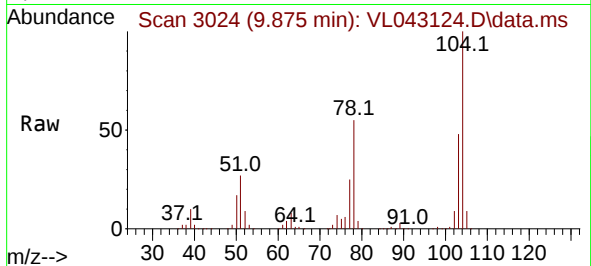
Tgt Ion: 91 Resp: 345330
Ion Ratio Lower Upper
91 100
106 42.5 21.9 65.8





#61
Styrene
Concen: 9.359 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

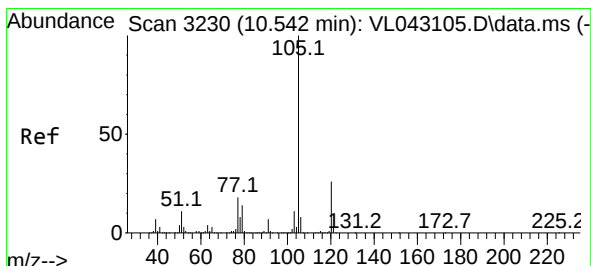
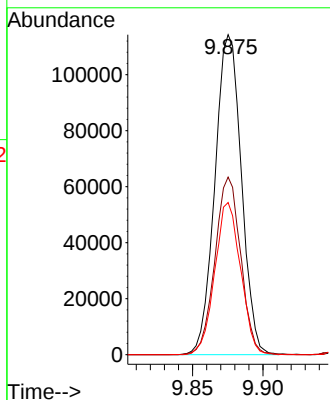
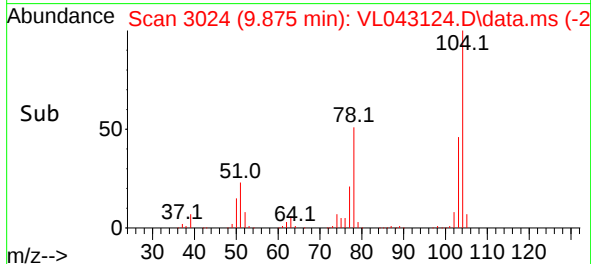
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



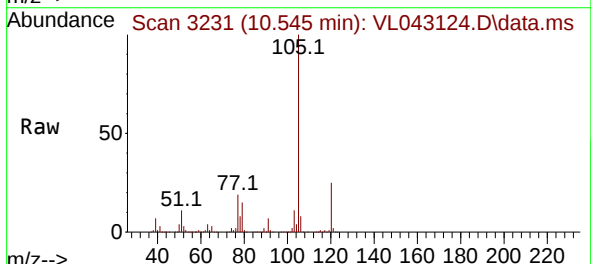
Tgt Ion:104 Resp: 14958
Ion Ratio Lower Upper
104 100
78 53.9 40.2 60.2
103 46.4 36.9 55.3

Manual Integrations
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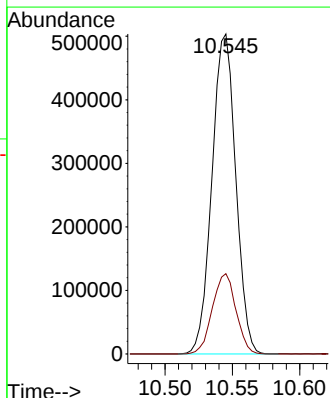
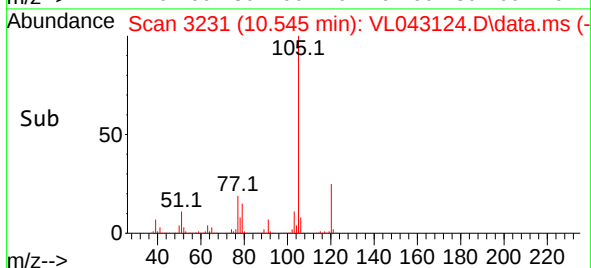
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

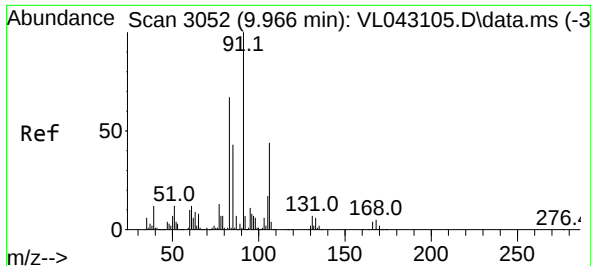


#62
Isopropylbenzene
Concen: 9.680 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14



Tgt Ion:105 Resp: 619283
Ion Ratio Lower Upper
105 100
120 24.8 20.2 30.4





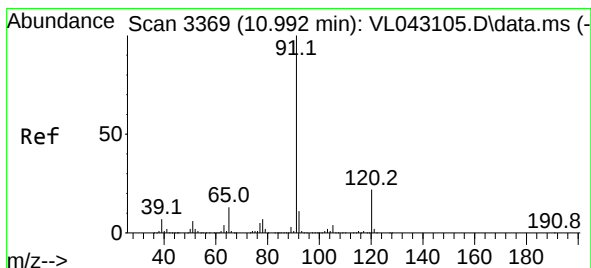
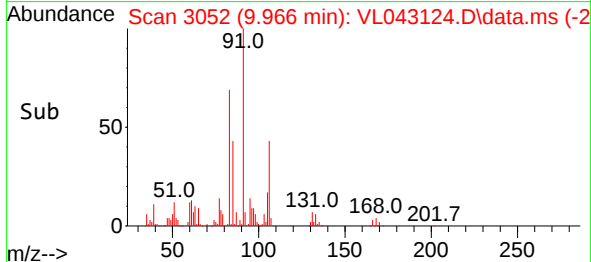
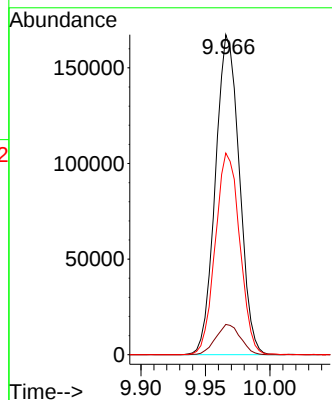
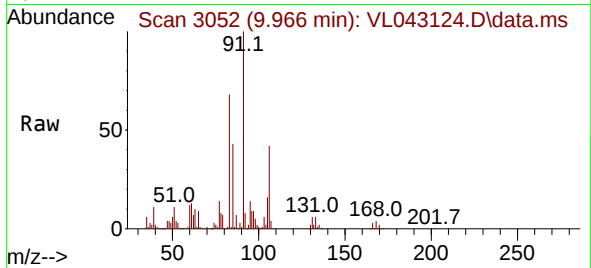
#63
1,1,2,2-Tetrachloroethane
Concen: 9.104 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 83 Resp: 21582
Ion Ratio Lower Upper
83 100
131 9.7 4.8 14.3
85 64.3 32.0 96.0

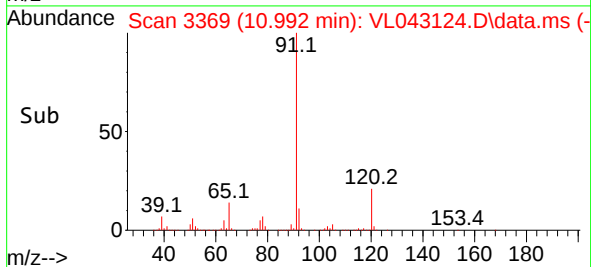
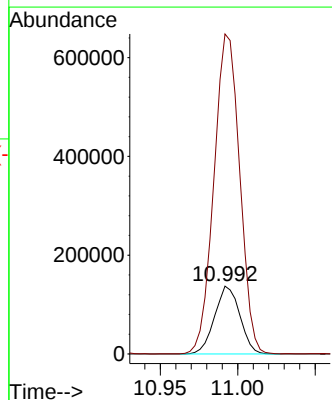
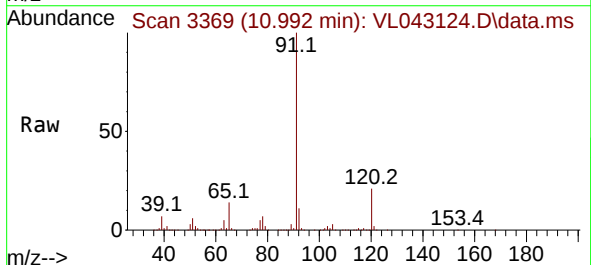
Manual Integrations
APPROVED

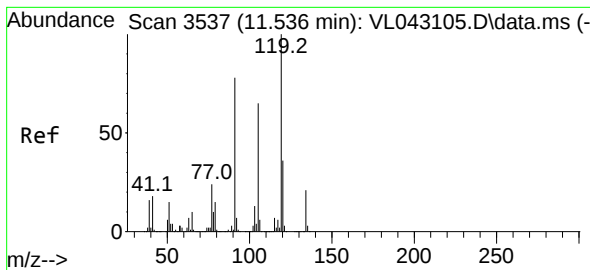
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#64
n-propylbenzene
Concen: 9.176 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

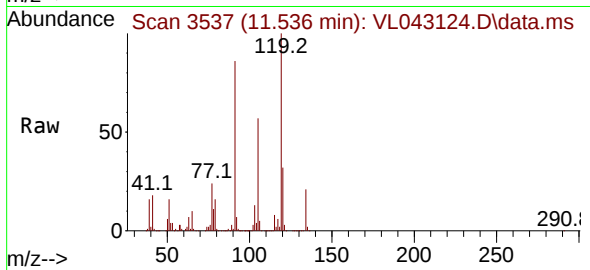
Tgt Ion:120 Resp: 155421
Ion Ratio Lower Upper
120 100
91 484.2 361.6 542.4





#65
tert-Butylbenzene
Concen: 9.377 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

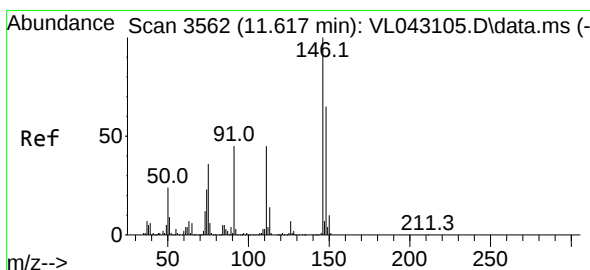
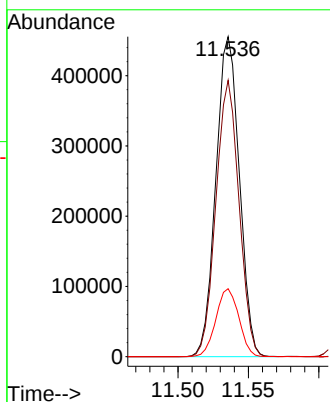
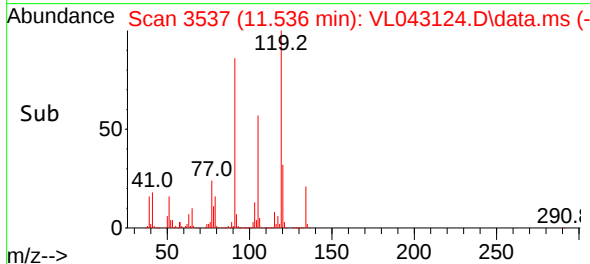
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



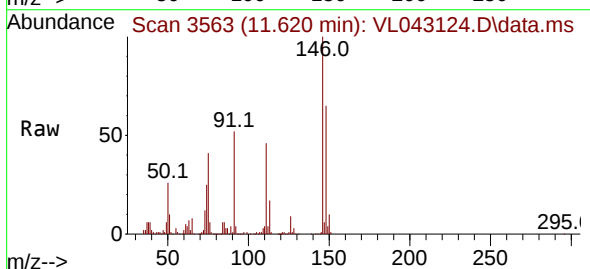
Tgt Ion: 119 Resp: 52973
Ion Ratio Lower Upper
119 100
91 84.8 63.4 95.0
134 20.8 17.3 25.9

Manual Integrations
APPROVED

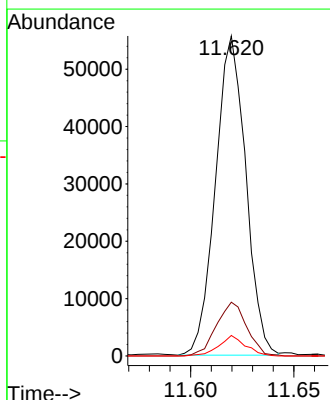
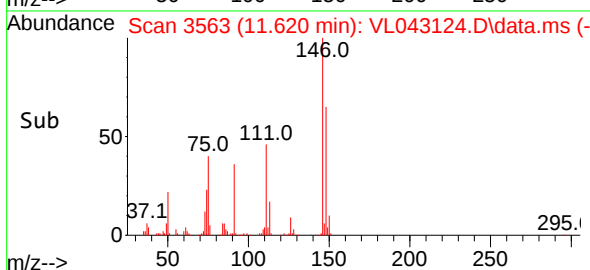
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

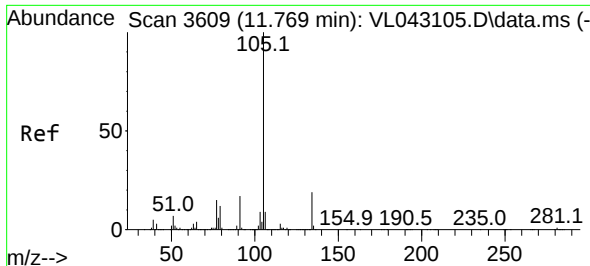


#66
Benzyl Chloride
Concen: 9.045 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14



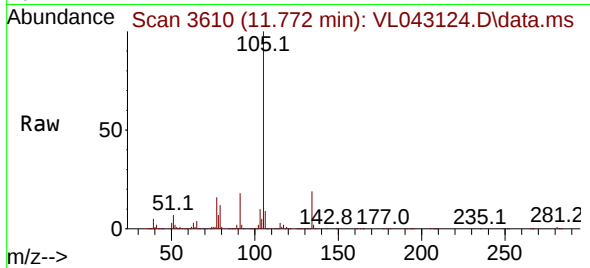
Tgt Ion: 91 Resp: 56872
Ion Ratio Lower Upper
91 100
126 16.9 14.6 22.0
128 5.6 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 9.476 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.003 min
 Lab File: VL043124.D
 Acq: 16 Oct 2025 09:14

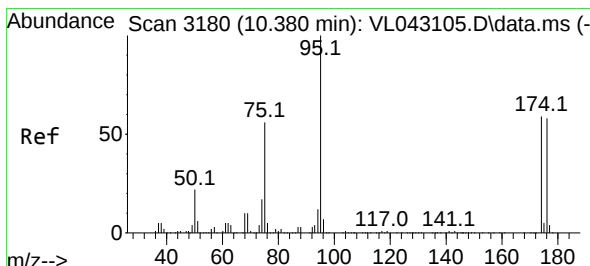
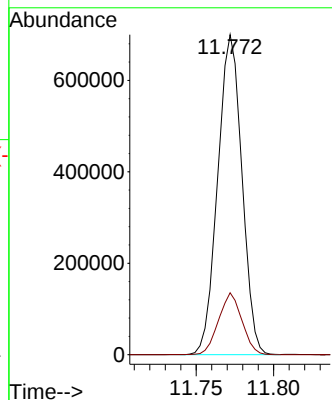
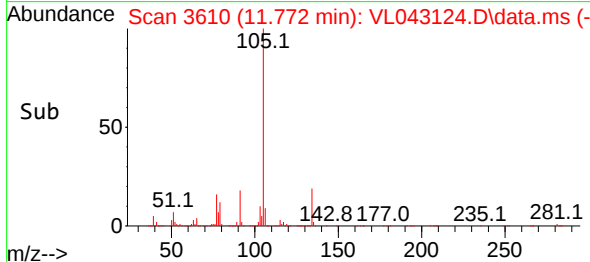
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:105 Resp: 759800
 Ion Ratio Lower Upper
 105 100
 134 18.7 15.5 23.3

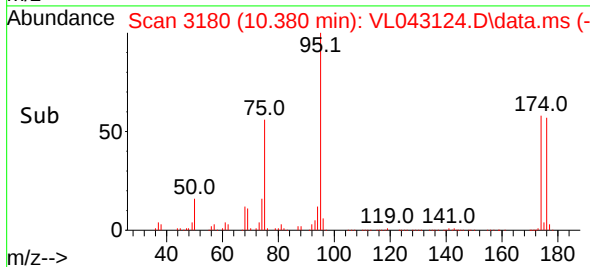
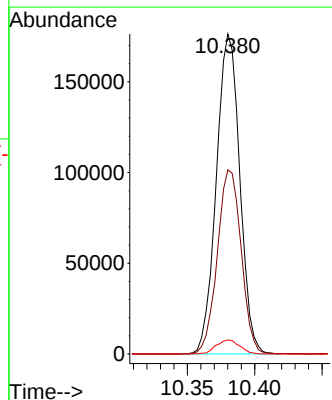
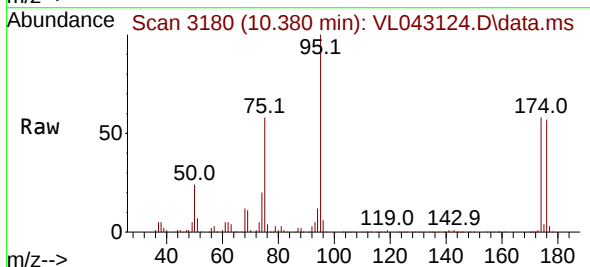
Manual Integrations
 APPROVED

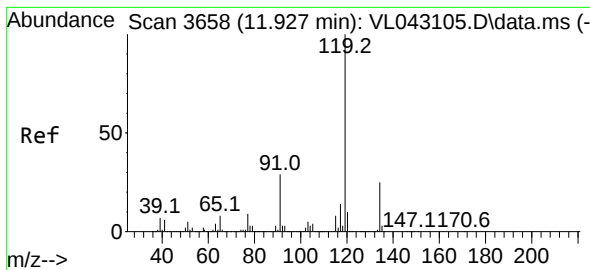
Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.490 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.000 min
 Lab File: VL043124.D
 Acq: 16 Oct 2025 09:14

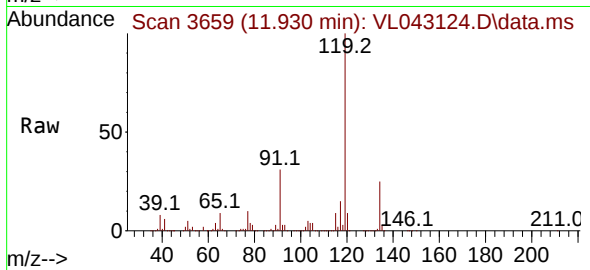
Tgt Ion: 95 Resp: 213533
 Ion Ratio Lower Upper
 95 100
 174 58.5 48.3 72.5
 175 4.4 3.8 5.8





#69
p-Isopropyltoluene
Concen: 9.417 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

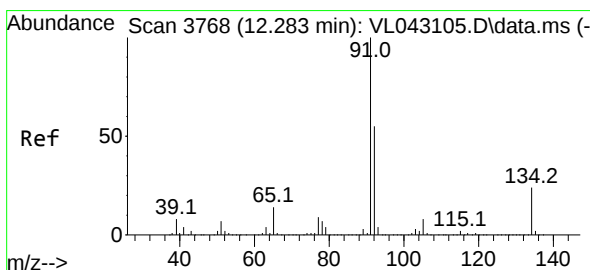
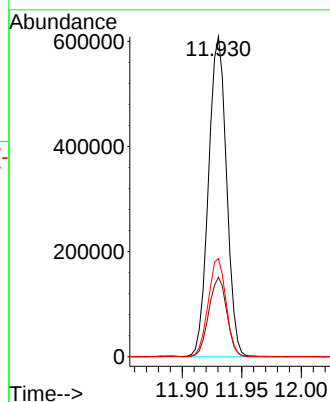
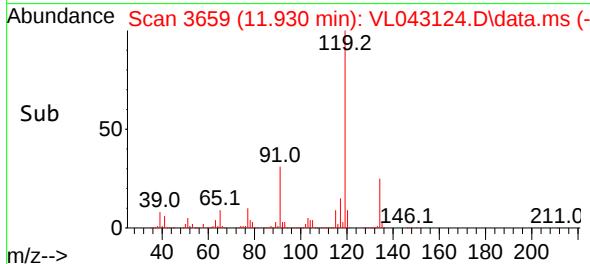
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



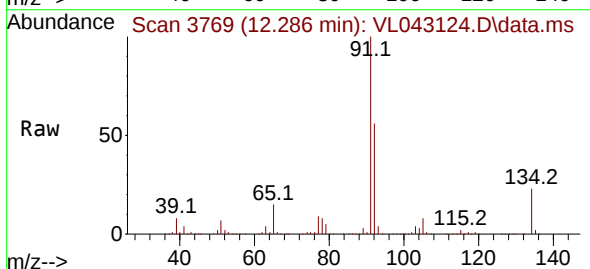
Tgt Ion: 119 Resp: 641630
Ion Ratio Lower Upper
119 100
134 24.8 20.3 30.5
91 30.6 22.6 33.8

Manual Integrations
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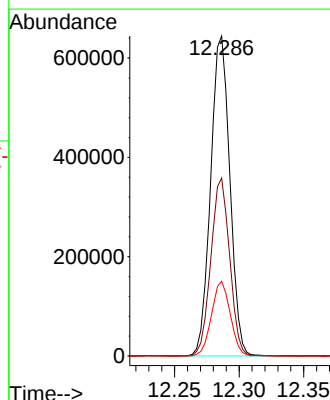
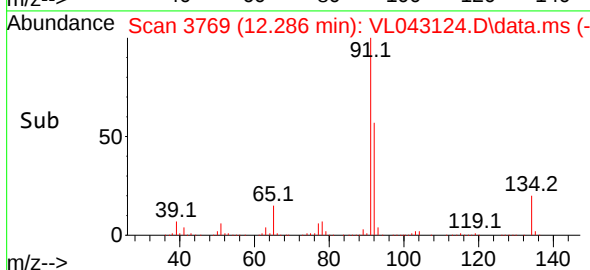
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

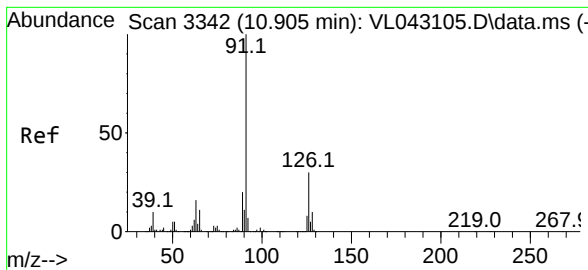


#70
n-Butylbenzene
Concen: 9.922 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14



Tgt Ion: 91 Resp: 666160
Ion Ratio Lower Upper
91 100
92 54.4 44.5 66.7
134 22.8 19.3 28.9





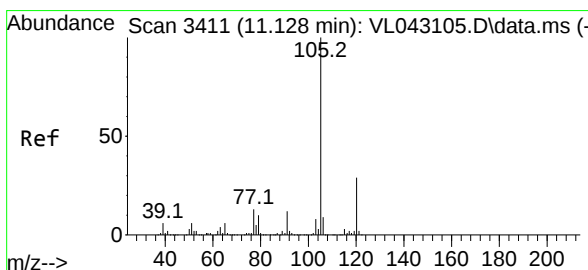
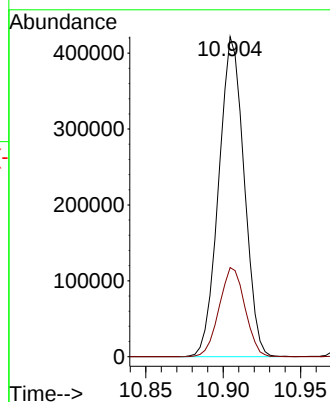
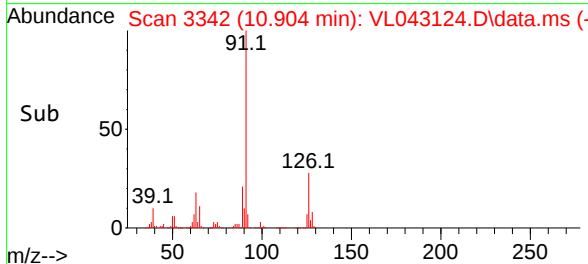
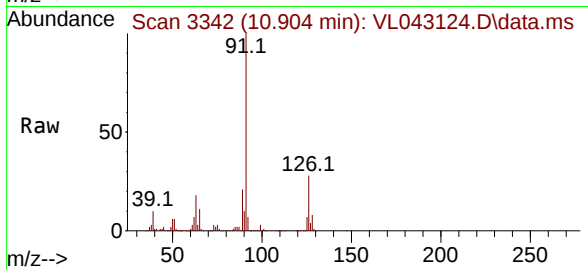
#71
2-Chlorotoluene
Concen: 9.853 ppbv
RT: 10.904 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 480779
Ion Ratio Lower Upper
91 100
126 28.2 12.0 48.0

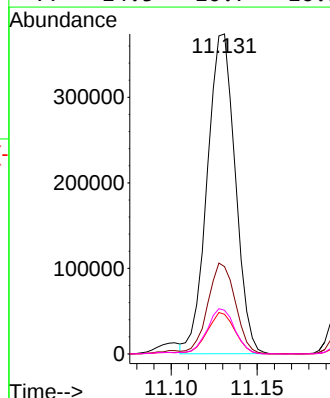
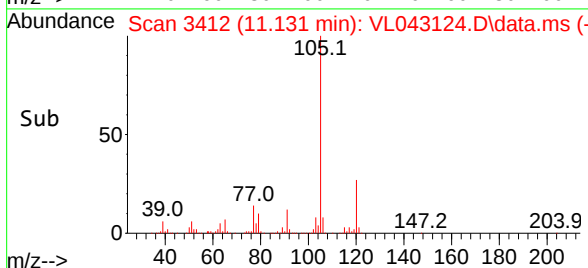
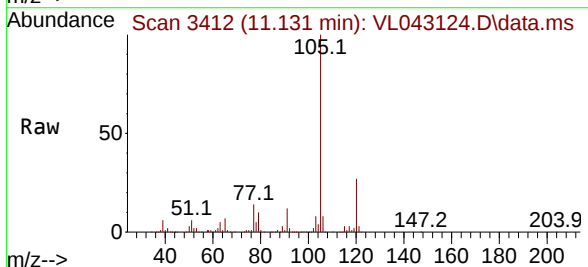
Manual Integrations
APPROVED

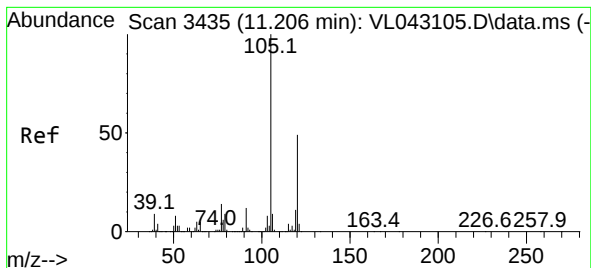
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#72
4-Ethyltoluene
Concen: 9.723 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.003 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

Tgt Ion:105 Resp: 423270
Ion Ratio Lower Upper
105 100
120 28.9 24.2 36.4
91 13.4 10.0 15.0
77 14.5 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 9.826 ppbv

RT: 11.209 min Scan# 3435

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 35279

Ion Ratio Lower Upper

105 100

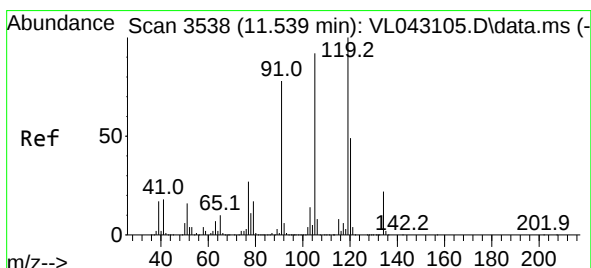
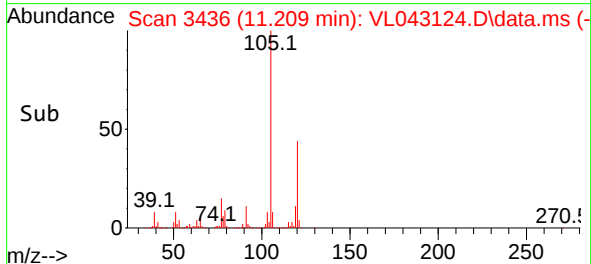
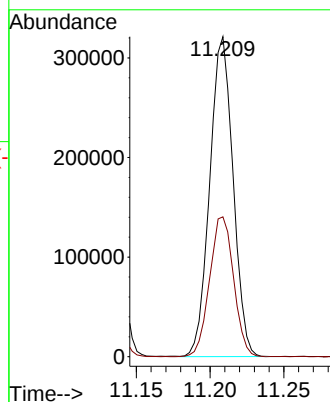
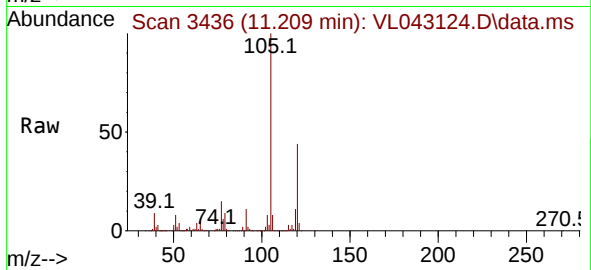
120 43.7 39.0 58.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#74

1,2,4-Trimethylbenzene

Concen: 9.539 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Tgt Ion:105 Resp: 383239

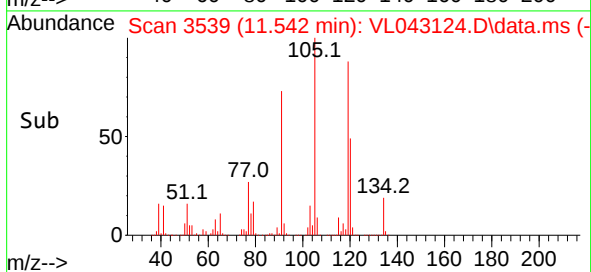
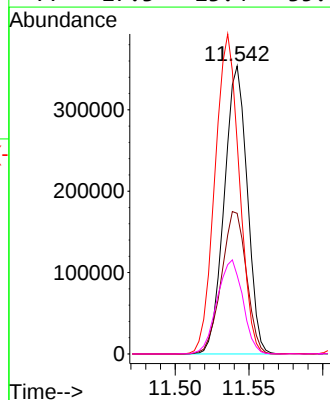
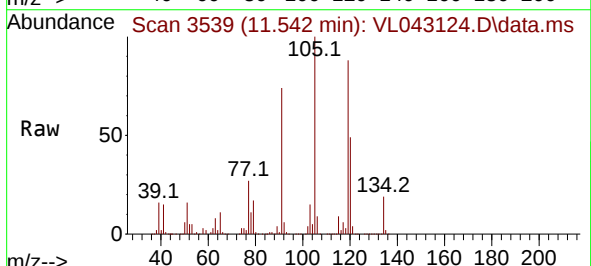
Ion Ratio Lower Upper

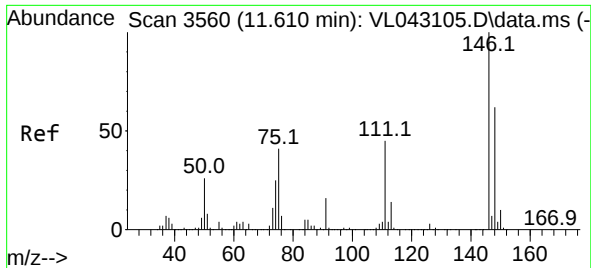
105 100

120 48.8 42.8 64.2

91 73.5 68.3 102.5

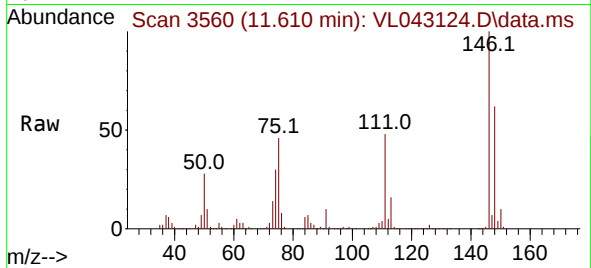
77 27.3 23.4 35.0





#75
1,3-Dichlorobenzene
Concen: 9.444 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14

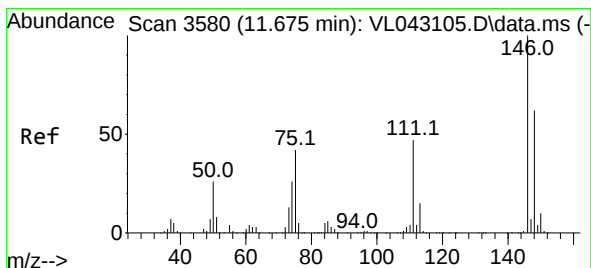
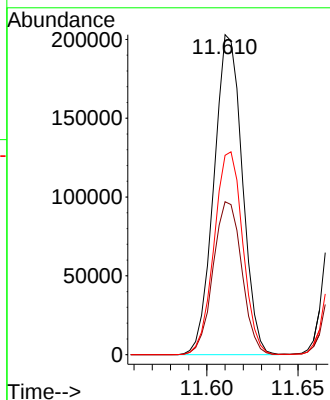
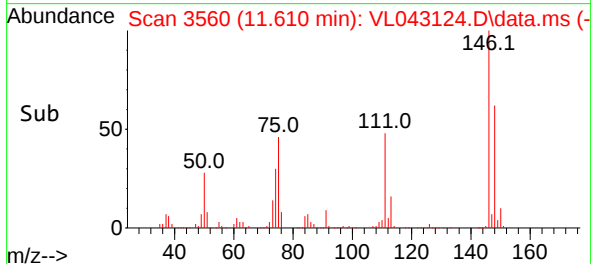
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



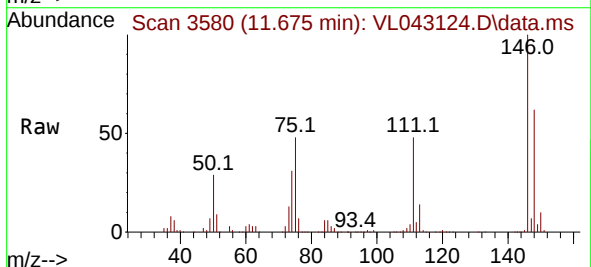
Tgt Ion:146 Resp: 220064
Ion Ratio Lower Upper
146 100
111 48.3 23.3 69.9
148 63.9 31.6 95.0

Manual Integrations
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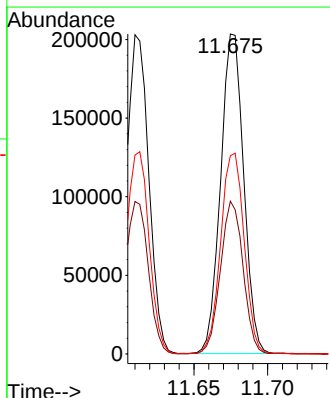
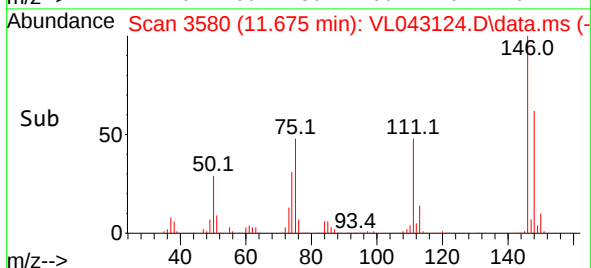
Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025

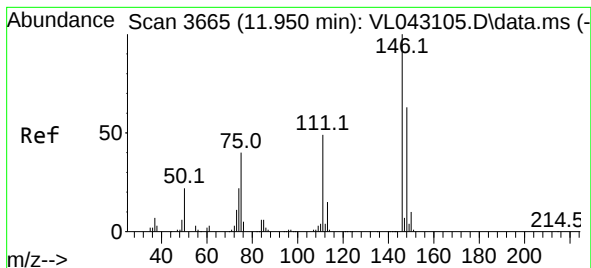


#76
1,4-Dichlorobenzene
Concen: 9.423 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL043124.D
Acq: 16 Oct 2025 09:14



Tgt Ion:146 Resp: 221416
Ion Ratio Lower Upper
146 100
111 47.1 22.4 67.0
148 64.4 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 9.262 ppbv

RT: 11.950 min Scan# 3665

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 20878

Ion Ratio Lower Upper

146 100

111 50.6 24.0 72.0

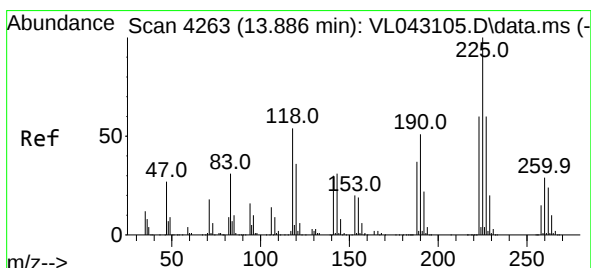
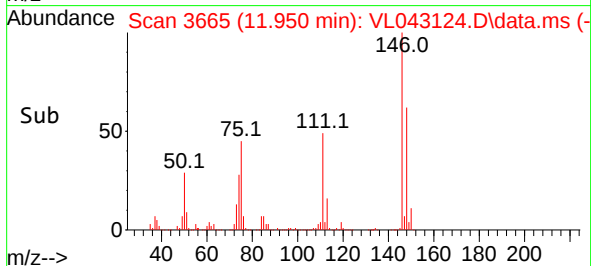
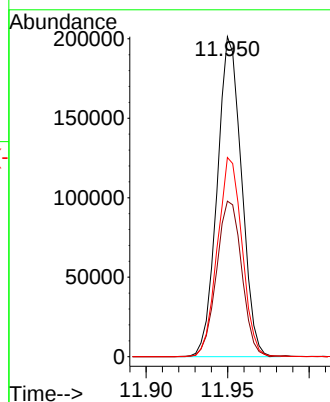
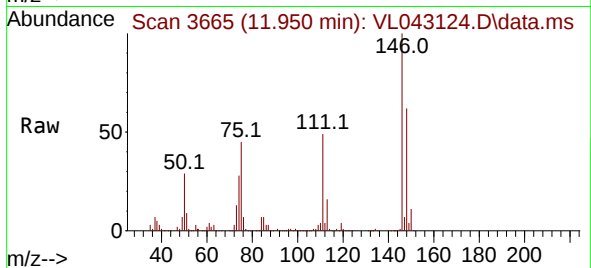
148 63.1 31.1 93.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025

Supervised By :Mahesh Dadoda 10/17/2025



#78

Hexachloro-1,3-Butadiene

Concen: 8.700 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

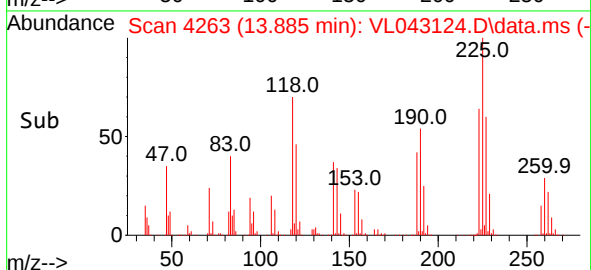
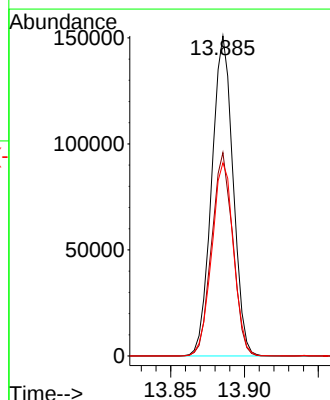
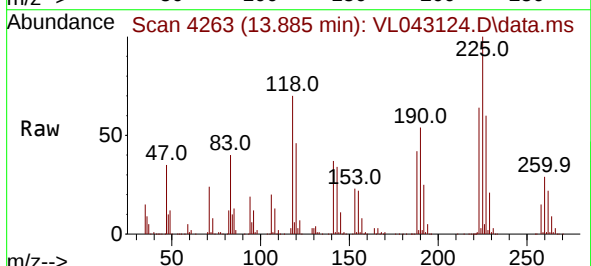
Tgt Ion:225 Resp: 151849

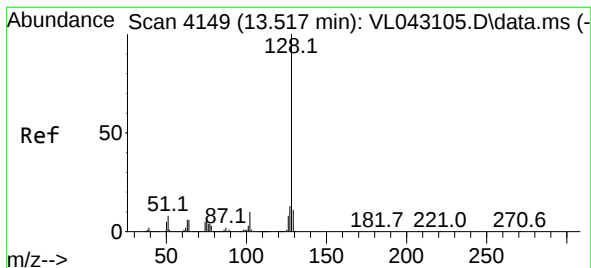
Ion Ratio Lower Upper

225 100

223 62.8 50.2 75.4

227 61.6 49.6 74.4





#79

Naphthalene

Concen: 10.148 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

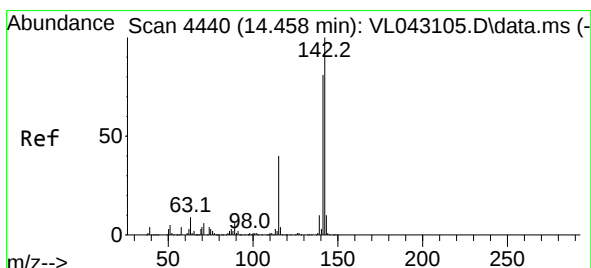
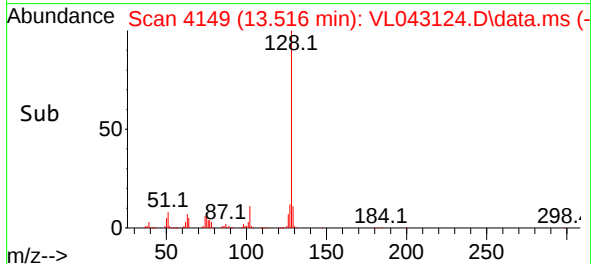
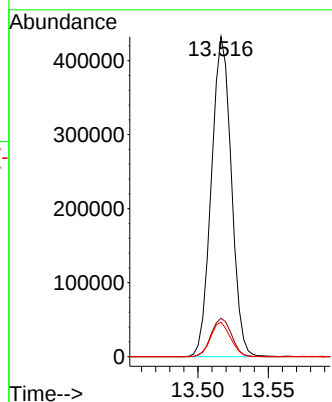
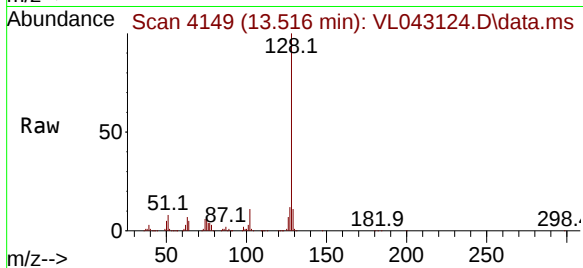
VSTDCCC010

Tgt Ion:	128	Resp:	42615
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.5	15.7
129	10.8	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025
Supervised By :Mahesh Dadoda 10/17/2025



#80

Naphthalene,2-methyl-

Concen: 11.080 ppbv

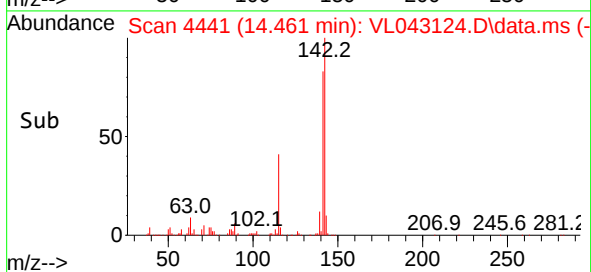
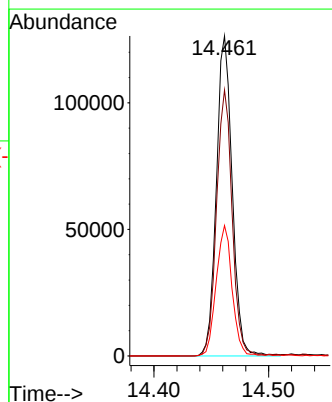
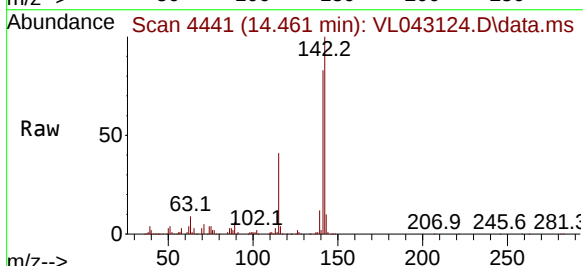
RT: 14.461 min Scan# 4441

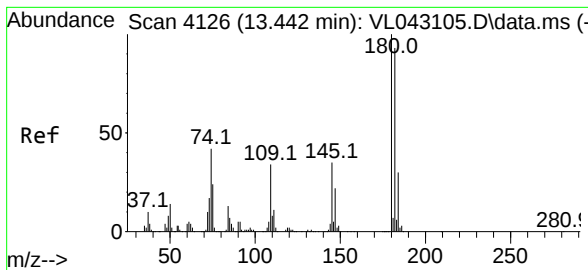
Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

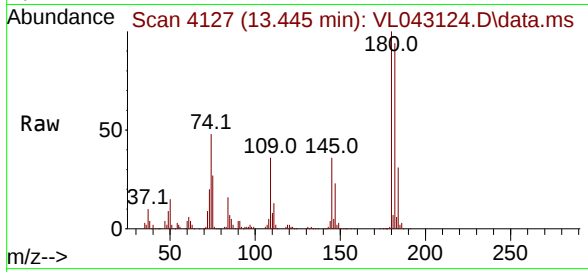
Tgt Ion:	142	Resp:	121228
Ion Ratio	Lower	Upper	
142	100		
141	82.4	64.6	97.0
115	41.7	30.2	45.4





#81
 1,2,4-Trichlorobenzene
 Concen: 9.793 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL043124.D
 Acq: 16 Oct 2025 09:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 17069
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.5 113.3
 184 29.5 23.9 35.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/17/2025
 Supervised By :Mahesh Dadoda 10/17/2025

