

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101525\
 Data File : VL043114.D
 Acq On : 15 Oct 2025 08:43
 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 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025

Quant Time: Oct 16 01:13:46 2025

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

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

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	2.790	49	98213	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	316115	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	288868	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 227182 10.118 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	134418	9.627	ppbv	97
3) Chlorodifluoromethane	1.479	51	135903	8.996	ppbv	98
4) Chloromethane	1.534	50	48684	8.801	ppbv	98
5) Vinyl Chloride	1.583	62	48129	8.871	ppbv	98
6) Bromomethane	1.670	94	27602	9.278	ppbv	99
7) Chloroethane	1.706	64	19136	8.627	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	109293	9.685	ppbv	99
9) Propene	1.486	41	56522	8.436	ppbv	98
10) Heptane	4.988	43	162470	8.423	ppbv	99
11) Trichlorofluoromethane	1.881	101	142862	10.460	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	109181	9.930	ppbv	100
13) Ethanol	1.722	45	18366	7.411	ppbv	96
14) Bromoethene	1.784	108	40048	9.804	ppbv	99
15) Acetone	1.835	43	113033	8.539	ppbv	99
16) 1,3-Butadiene	1.612	39	56426	8.944	ppbv	97
17) tert-Butyl alcohol	2.039	59	174816	9.621	ppbv	99
18) 1,1-Dichloroethene	2.036	96	48563	10.131	ppbv	85
19) Isopropyl Alcohol	1.887	45	72396	8.781	ppbv	98
20) Methylene Chloride	2.065	84	42819	8.183	ppbv	97
21) Allyl Chloride	2.101	41	91089	9.338	ppbv	95
22) trans-1,2-Dichloroethene	2.344	96	55471	9.681	ppbv	96
23) Vinyl Acetate	2.463	43	178708	9.216	ppbv	98
24) 1,1-Dichloroethane	2.411	63	109016	9.847	ppbv	99
25) Ethyl Acetate	2.835	43	290447	8.848	ppbv	99
26) Hexane	2.832	57	132602	8.766	ppbv	99
27) Carbon Disulfide	2.156	76	135963	9.810	ppbv #	88
28) Methyl tert-Butyl Ether	2.441	73	63933	9.290	ppbv	97
29) Chloroform	2.852	83	207291	9.458	ppbv	99
30) Cyclohexane	3.861	84	117130	8.872	ppbv	95
31) cis-1,2-Dichloroethene	2.725	61	137958	9.551	ppbv	95
32) 1,1,1-Trichloroethane	3.373	97	221109	9.688	ppbv	98
34) 2-Butanone	2.557	43	189478	8.917	ppbv	98
35) Carbon Tetrachloride	3.768	117	220510	9.702	ppbv	95
36) Benzene	3.661	78	280028	9.405	ppbv	98
37) 1,2-Dichloroethane	3.224	62	163041	9.506	ppbv	98
38) Trichloroethene	4.554	130	106893	8.597	ppbv	98
39) 1,2-Dichloropropane	4.318	63	98585	9.057	ppbv	93
40) 1,4-Dioxane	4.580	88	44526	9.142	ppbv #	93
41) Tetrahydrofuran	3.056	42	102758	8.646	ppbv	97
42) Bromodichloromethane	4.493	83	231006	9.731	ppbv	97
43) Methyl Methacrylate	4.881	69	137710	9.107	ppbv	97
44) 2,2,4-Trimethylpentane	4.645	57	444749	8.854	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	143812	9.477	ppbv	99

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Manual Integrations
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 Supervised By :Mahesh Dadoda 10/17/2025

Quant Time: Oct 16 01:13:46 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

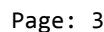
Response via : Initial Calibration

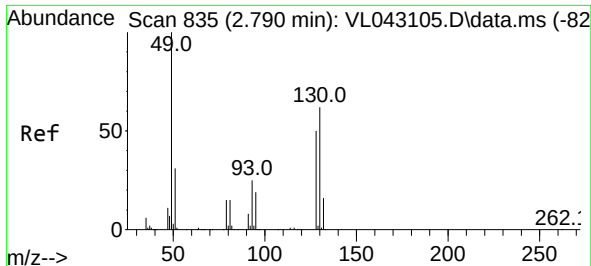
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	168699	9.306	ppbv	95
47) 1,1,2-Trichloroethane	6.583	97	107487	9.145	ppbv	98
48) Dibromochloromethane	7.389	129	186784	9.504	ppbv	100
49) Bromoform	9.487	173	152127	9.523	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	256116	8.734	ppbv	99
51) 2-Hexanone	7.438	43	199219	9.057	ppbv	99
52) Tetrachloroethene	8.231	164	94700	8.820	ppbv	96
53) Toluene	6.940	91	318262	9.007	ppbv	100
54) 1,2-Dibromoethane	7.658	107	169023	9.181	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	165210	9.073	ppbv	99
57) Chlorobenzene	8.927	112	236465	8.750	ppbv	99
58) Ethyl Benzene	9.357	91	448315	9.043	ppbv	98
59) m/p-Xylene	9.555	91	705380m	17.839	ppbv	
60) o-Xylene	9.969	91	344891	8.831	ppbv	99
61) Styrene	9.875	104	158625	8.997	ppbv	99
62) Isopropylbenzene	10.542	105	619844	8.784	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	219643	8.399	ppbv	99
64) n-propylbenzene	10.992	120	161656	8.652	ppbv	95
65) tert-Butylbenzene	11.536	119	525334	8.430	ppbv	96
66) Benzyl Chloride	11.620	91	59531	8.583	ppbv	100
67) sec-Butylbenzene	11.772	105	760584	8.600	ppbv	98
69) p-Isopropyltoluene	11.927	119	639817	8.513	ppbv	99
70) n-Butylbenzene	12.283	91	653616	8.825	ppbv	99
71) 2-Chlorotoluene	10.904	91	483141	8.976	ppbv	99
72) 4-Ethyltoluene	11.128	105	427201	8.896	ppbv	98
73) 1,3,5-Trimethylbenzene	11.205	105	354264	8.945	ppbv	95
74) 1,2,4-Trimethylbenzene	11.539	105	378357	8.537	ppbv	95
75) 1,3-Dichlorobenzene	11.610	146	220714	8.587	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	226777	8.750	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	210381	8.460	ppbv	98
78) Hexachloro-1,3-Butadiene	13.885	225	149878	7.784	ppbv	98
79) Naphthalene	13.516	128	427928	9.238	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	123398	10.225	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	168975	8.789	ppbv	99

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

Manual Integrations APPROVED

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration





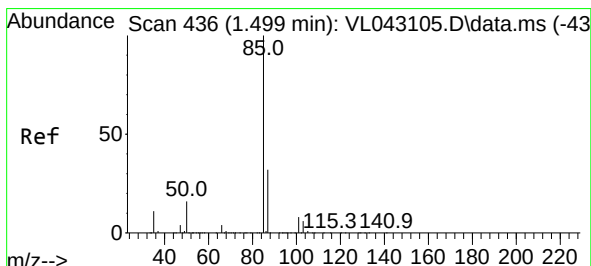
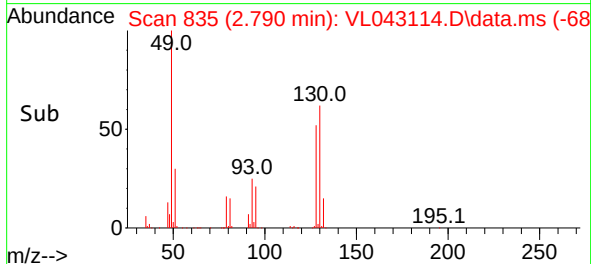
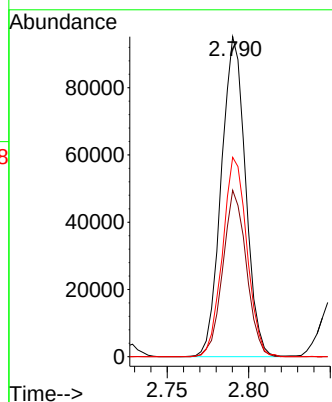
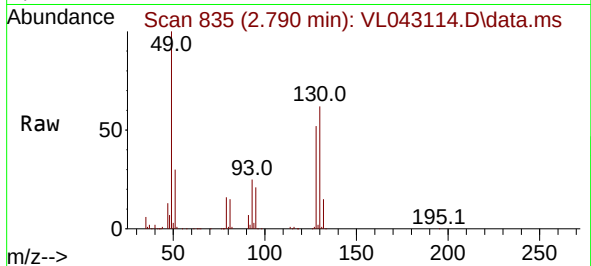
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 9821
Ion Ratio Lower Upper
49 100
128 50.4 24.4 73.4
130 62.6 31.0 93.0

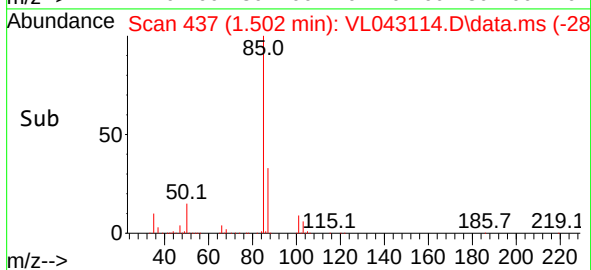
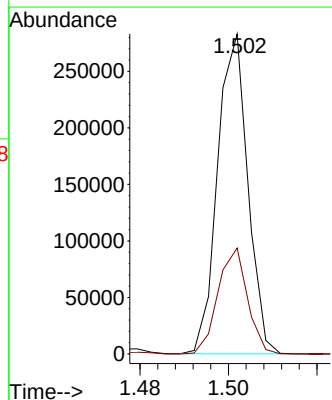
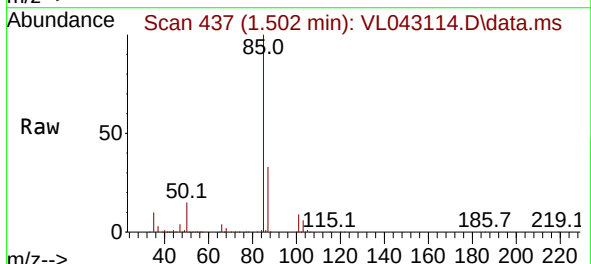
Manual Integrations
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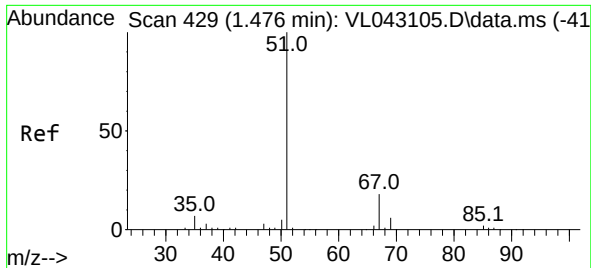
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#2
Dichlorodifluoromethane
Concen: 9.627 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 85 Resp: 134418
Ion Ratio Lower Upper
85 100
87 33.1 25.3 37.9





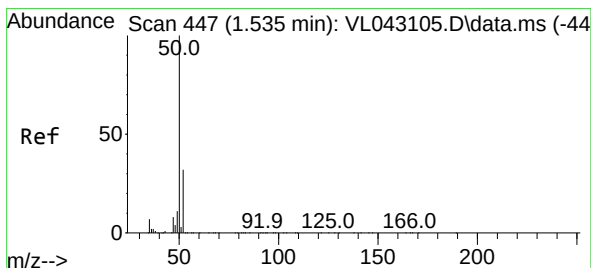
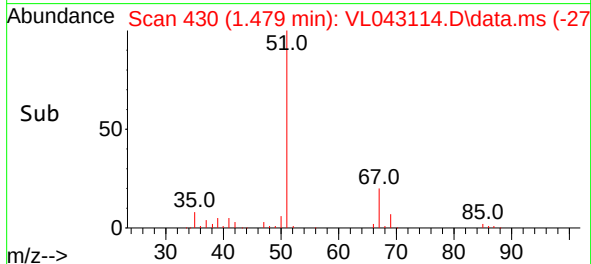
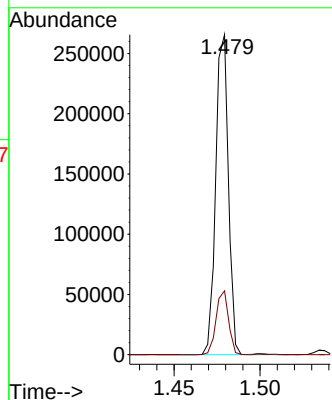
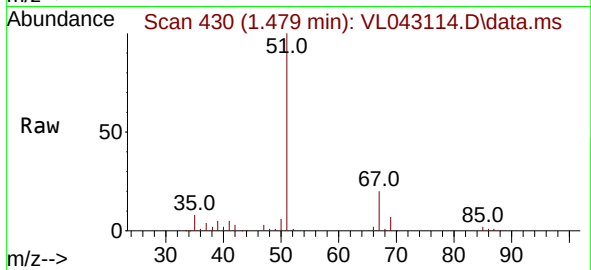
#3
Chlorodifluoromethane
Concen: 8.996 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 13590
Ion Ratio Lower Upper
51 100
67 19.9 15.1 22.7

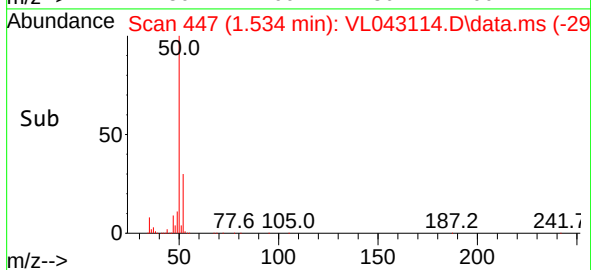
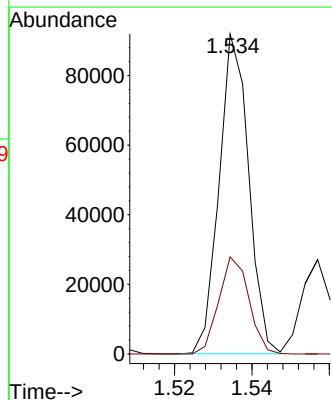
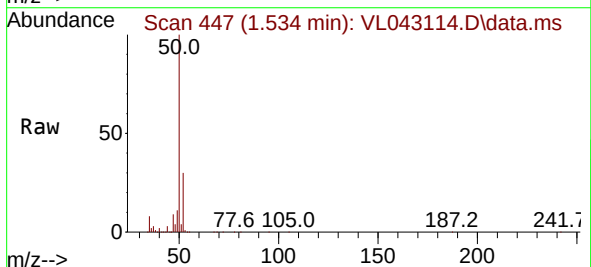
Manual Integrations
APPROVED

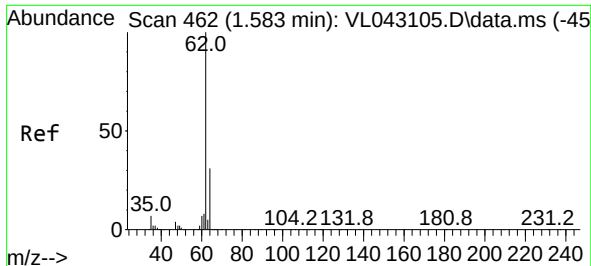
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#4
Chloromethane
Concen: 8.801 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

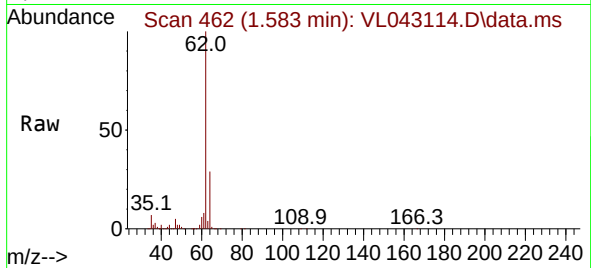
Tgt Ion: 50 Resp: 48684
Ion Ratio Lower Upper
50 100
52 30.4 25.2 37.8





#5
 Vinyl Chloride
 Concen: 8.871 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

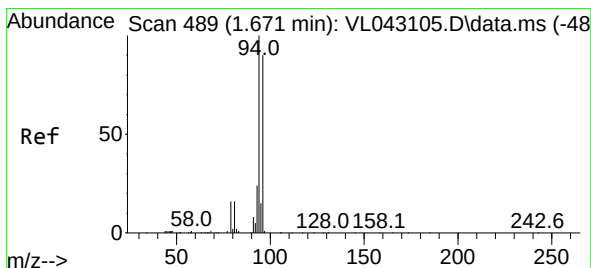
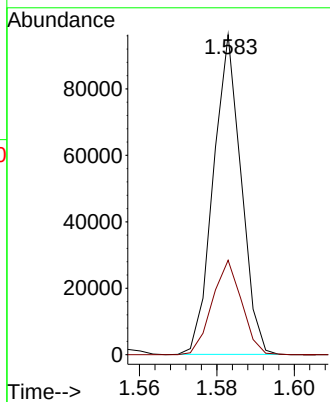
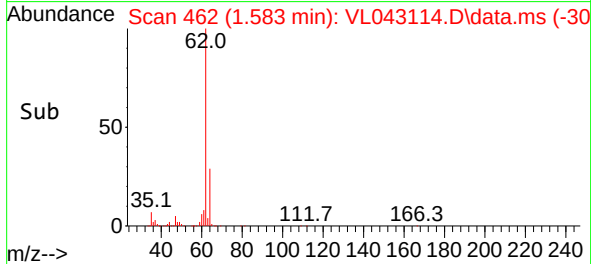
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



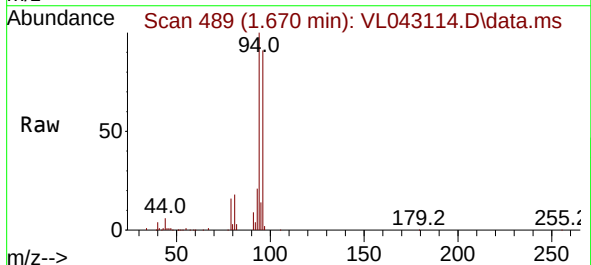
Tgt Ion: 62 Resp: 48129
 Ion Ratio Lower Upper
 62 100
 64 29.5 24.6 36.8

Manual Integrations
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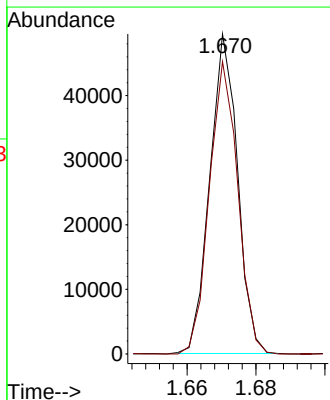
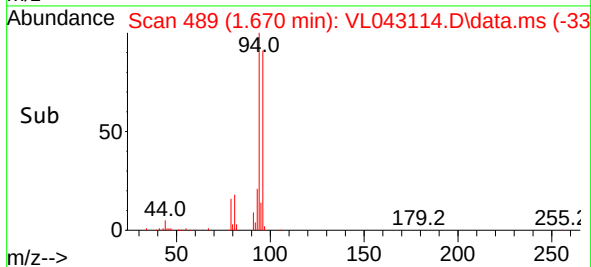
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025

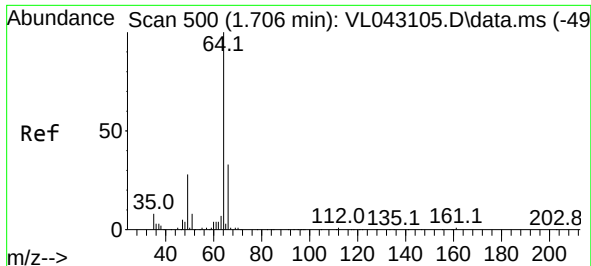


#6
 Bromomethane
 Concen: 9.278 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43



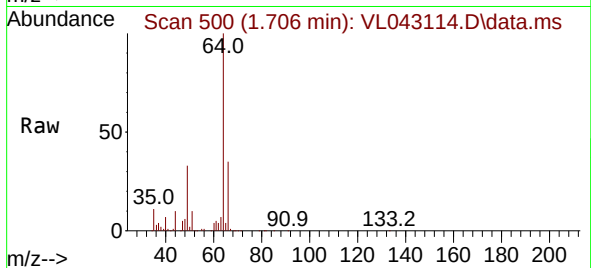
Tgt Ion: 94 Resp: 27602
 Ion Ratio Lower Upper
 94 100
 96 91.5 72.2 108.4





#7
Chloroethane
Concen: 8.627 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

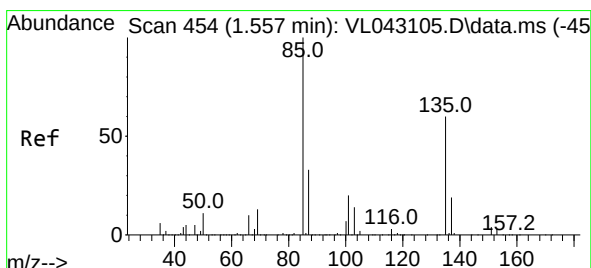
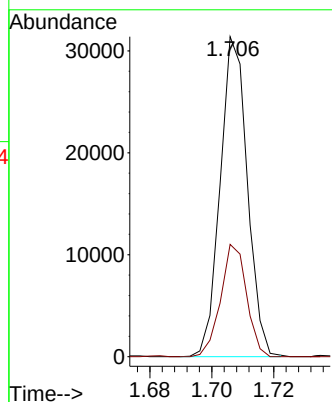
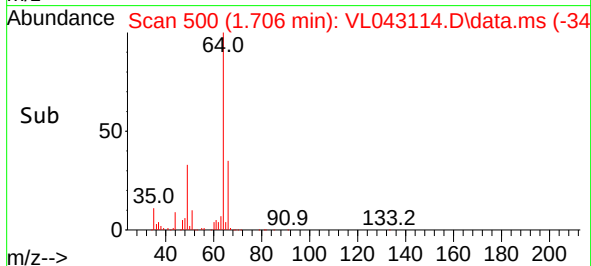
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 64 Resp: 19130
Ion Ratio Lower Upper
64 100
66 35.1 26.0 39.0

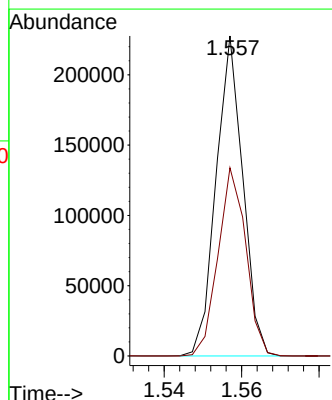
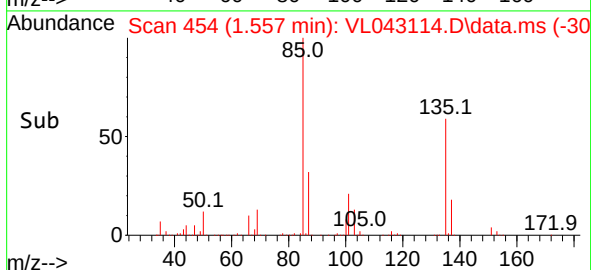
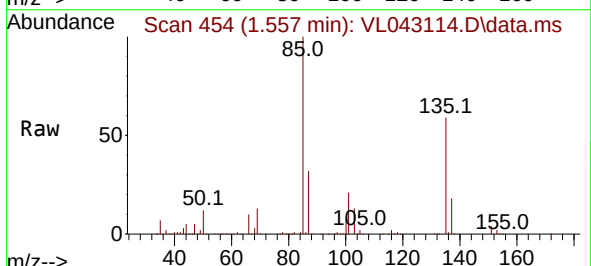
Manual Integrations
APPROVED

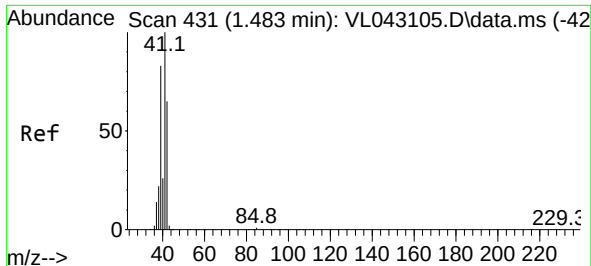
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#8
Dichlorotetrafluoroethane
Concen: 9.685 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

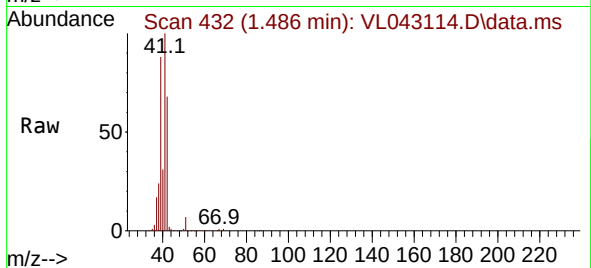
Tgt Ion: 85 Resp: 109293
Ion Ratio Lower Upper
85 100
135 61.2 48.2 72.4





#9
Propene
Concen: 8.436 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

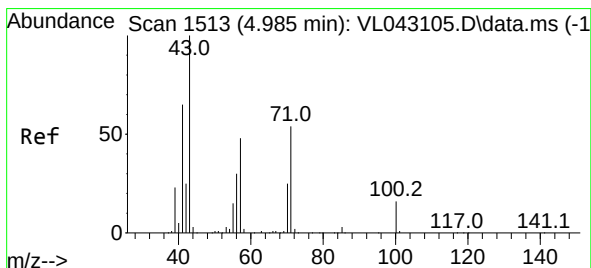
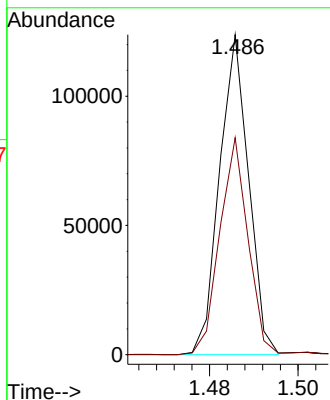
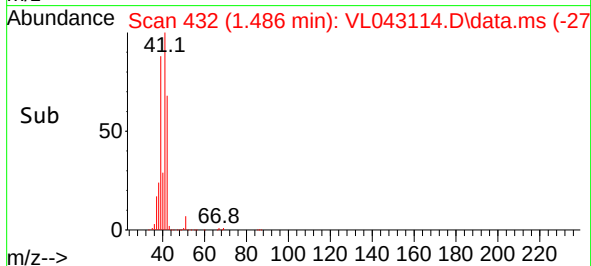
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 41 Resp: 5652
Ion Ratio Lower Upper
41 100
42 66.9 55.1 82.7

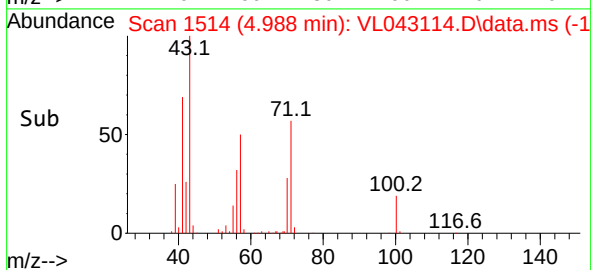
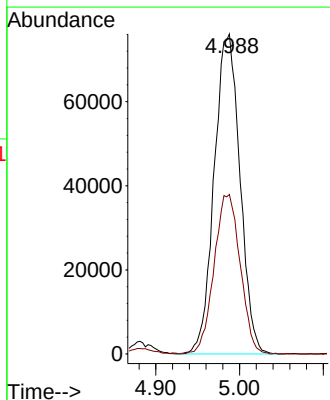
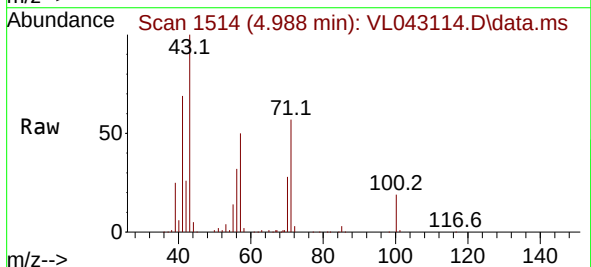
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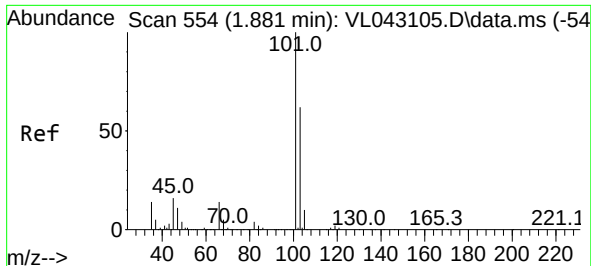
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#10
Heptane
Concen: 8.423 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

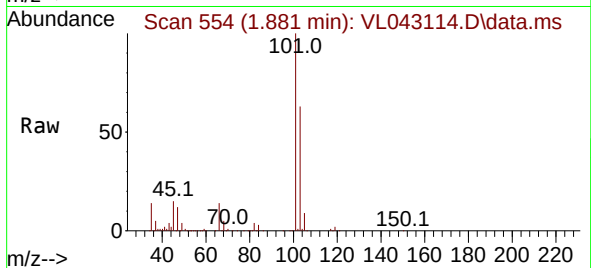
Tgt Ion: 43 Resp: 162470
Ion Ratio Lower Upper
43 100
57 50.5 40.8 61.2





#11
 Trichlorofluoromethane
 Concen: 10.460 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

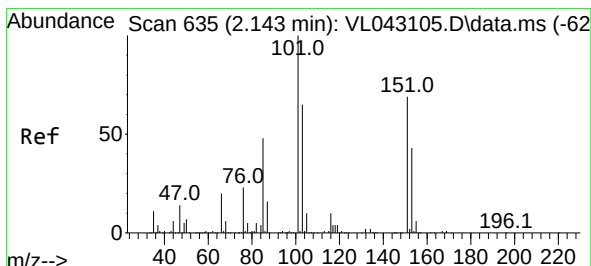
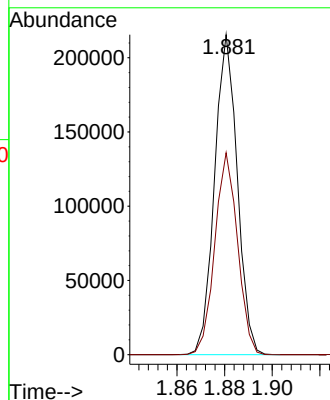
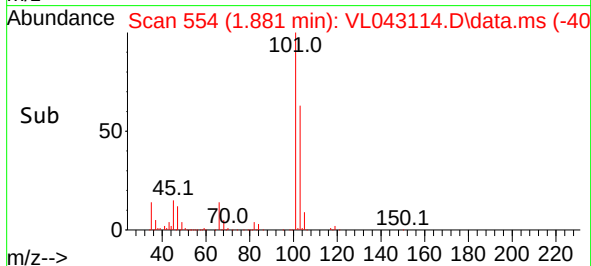
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



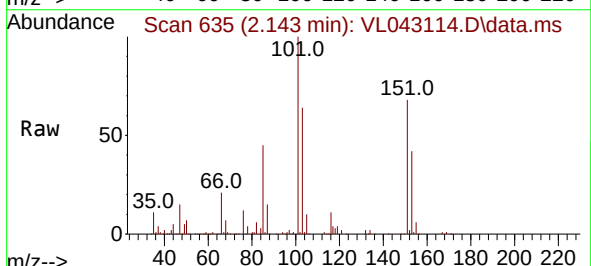
Tgt Ion:101 Resp: 142862
 Ion Ratio Lower Upper
 101 100
 103 63.1 49.3 73.9

Manual Integrations
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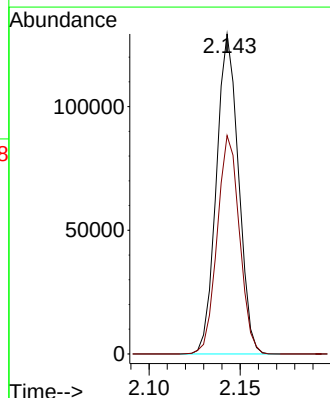
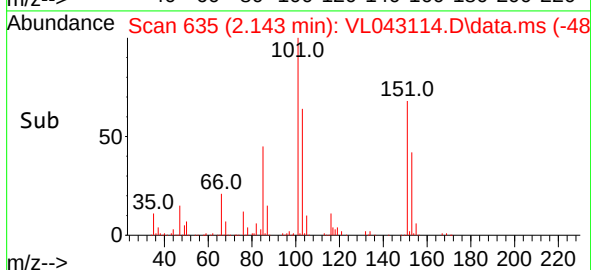
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025

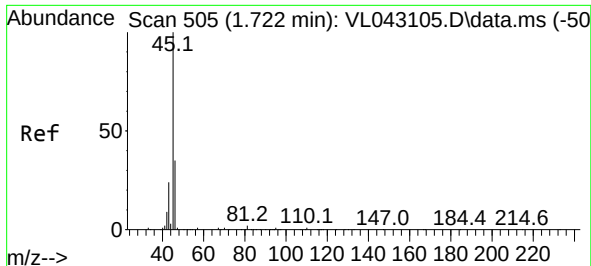


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.930 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43



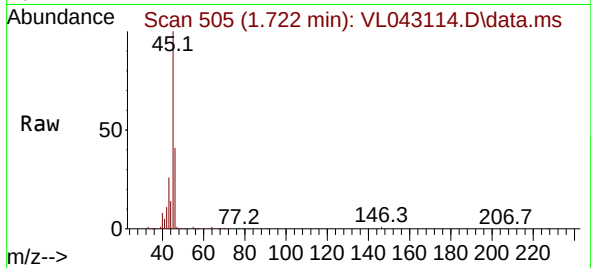
Tgt Ion:101 Resp: 109181
 Ion Ratio Lower Upper
 101 100
 151 68.7 54.7 82.1





#13
Ethanol
Concen: 7.411 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

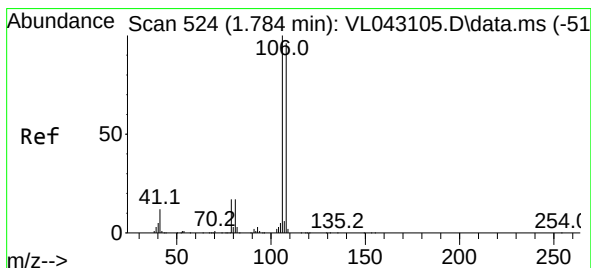
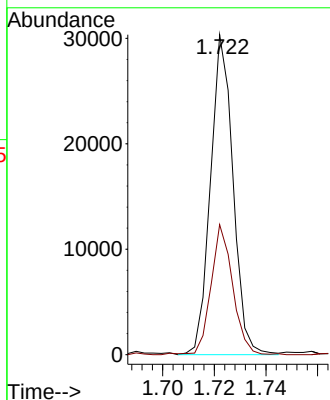
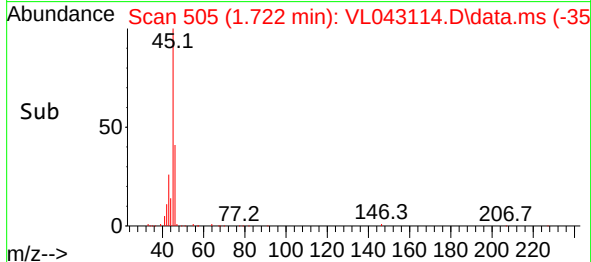
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



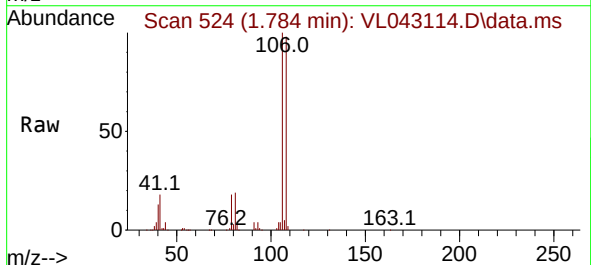
Tgt Ion: 45 Resp: 18360
Ion Ratio Lower Upper
45 100
46 39.3 14.7 58.9

Manual Integrations
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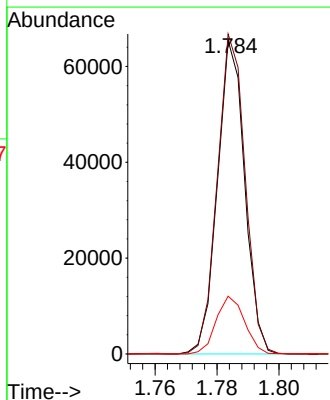
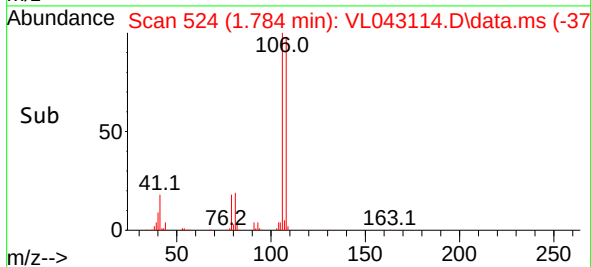
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

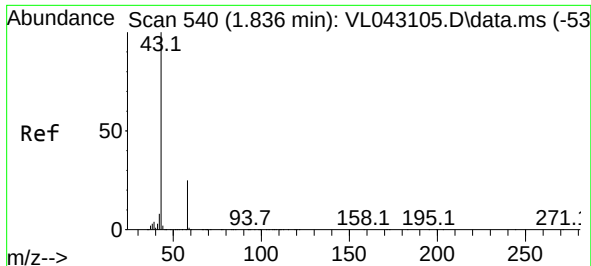


#14
Bromoethene
Concen: 9.804 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43



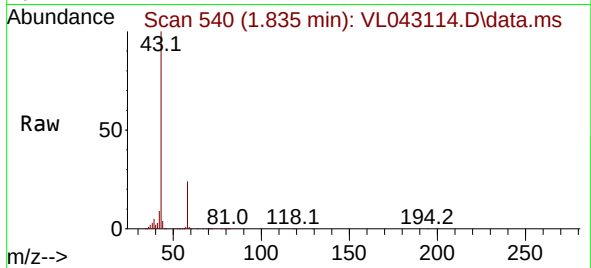
Tgt Ion:108 Resp: 40048
Ion Ratio Lower Upper
108 100
106 104.0 84.4 126.6
79 19.4 15.3 22.9





#15
Acetone
Concen: 8.539 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

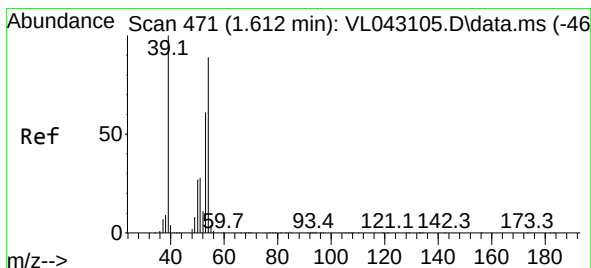
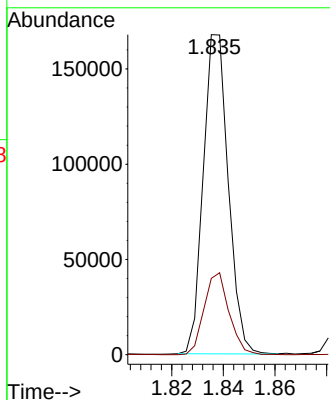
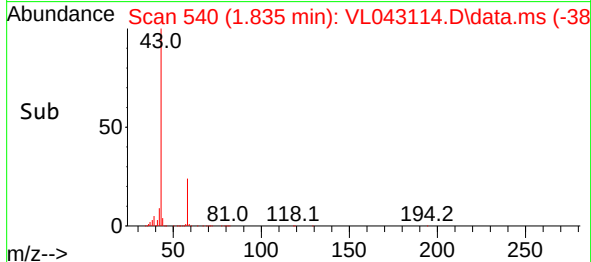
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



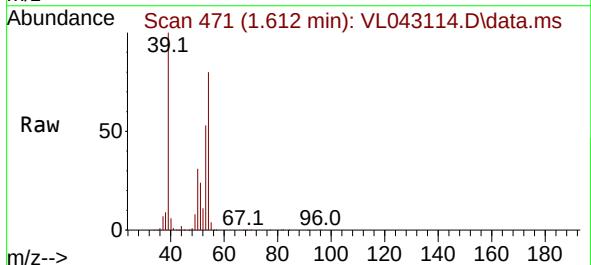
Tgt Ion: 43 Resp: 11303
Ion Ratio Lower Upper
43 100
58 25.6 20.8 31.2

Manual Integrations
APPROVED

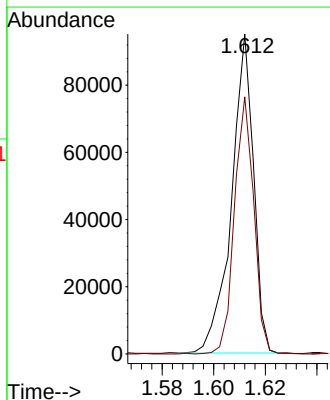
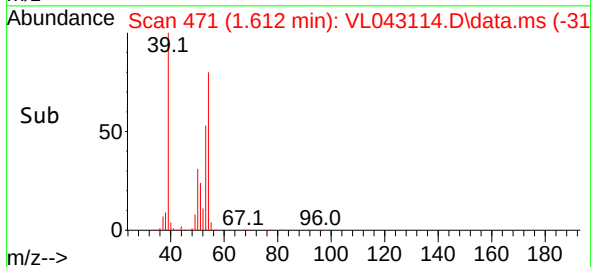
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

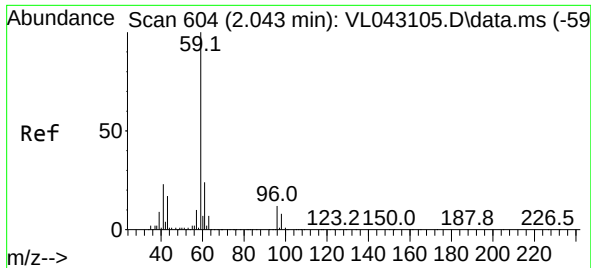


#16
1,3-Butadiene
Concen: 8.944 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43



Tgt Ion: 39 Resp: 56426
Ion Ratio Lower Upper
39 100
54 70.9 59.0 88.4





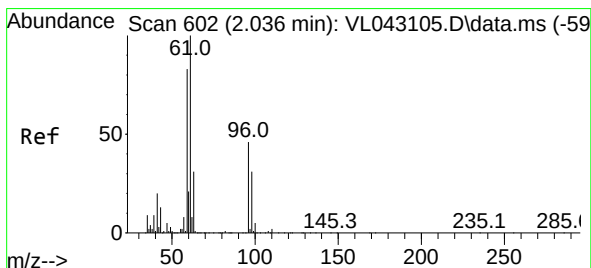
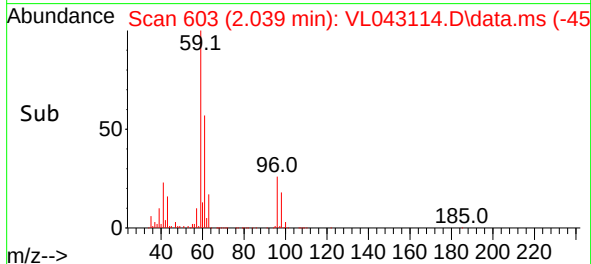
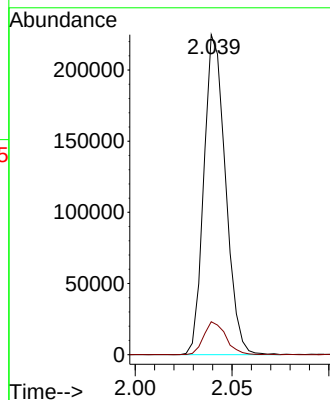
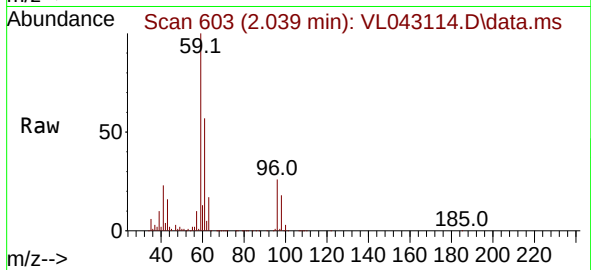
#17
tert-Butyl alcohol
Concen: 9.621 ppbv
RT: 2.039 min Scan# 604
Delta R.T. -0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 174810
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4

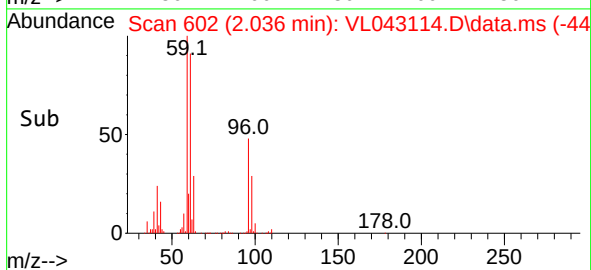
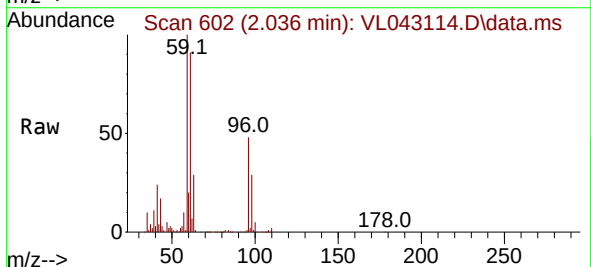
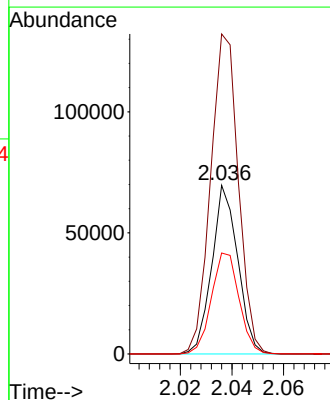
Manual Integrations
APPROVED

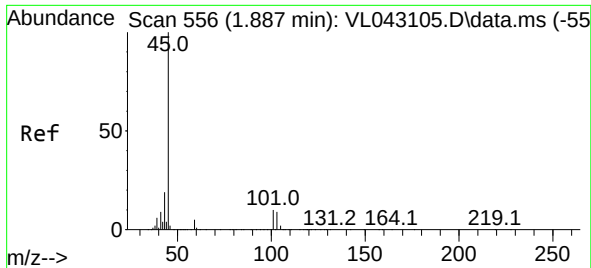
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#18
1,1-Dichloroethene
Concen: 10.131 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 96 Resp: 48563
Ion Ratio Lower Upper
96 100
61 189.6 173.4 260.0
98 59.9 53.2 79.8





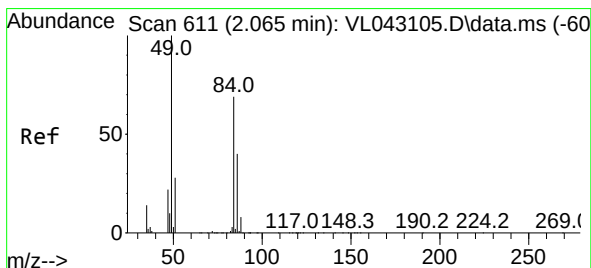
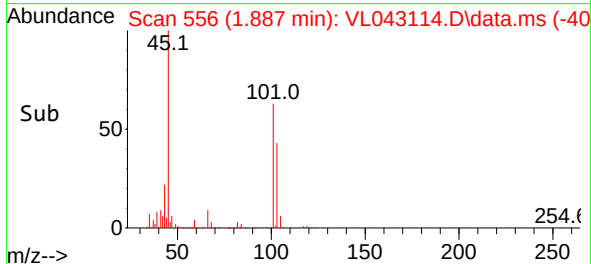
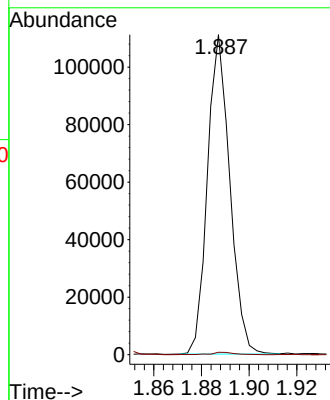
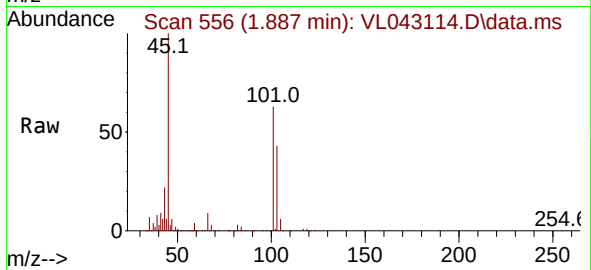
#19
Isopropyl Alcohol
Concen: 8.781 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 72390
Ion Ratio Lower Upper
45 100
58 40.0 31.3 46.9

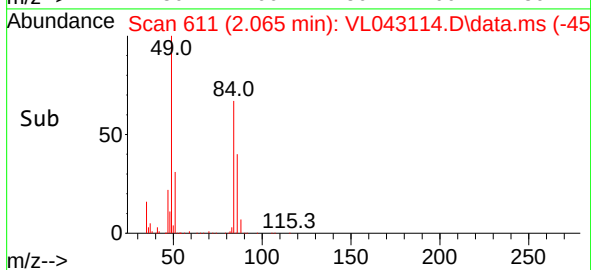
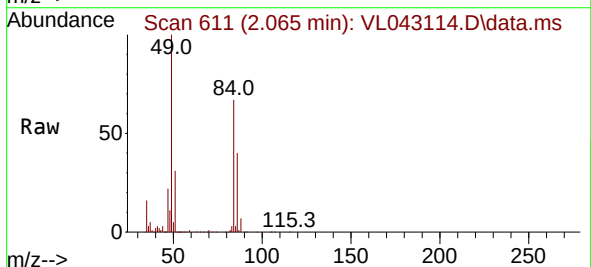
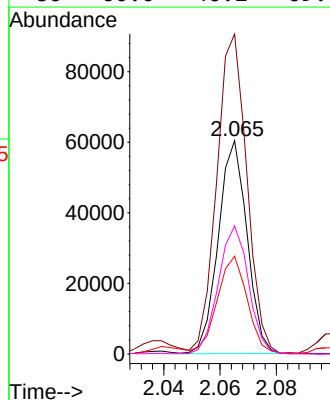
Manual Integrations
APPROVED

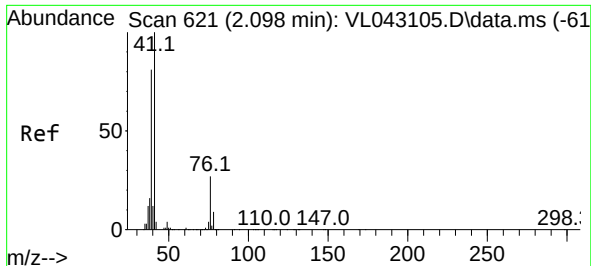
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#20
Methylene Chloride
Concen: 8.183 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 84 Resp: 42819
Ion Ratio Lower Upper
84 100
49 150.2 116.6 175.0
51 45.4 34.8 52.2
86 60.0 46.2 69.4





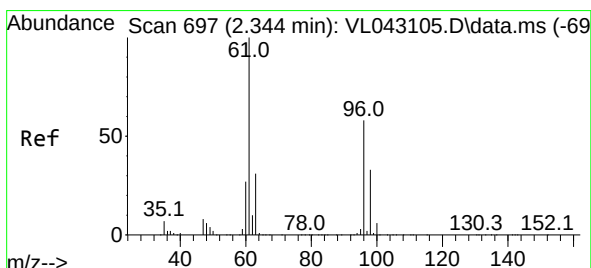
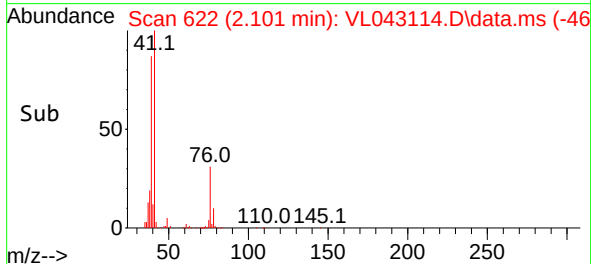
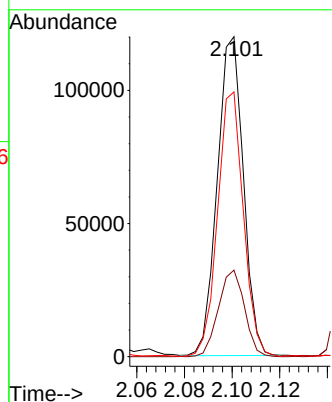
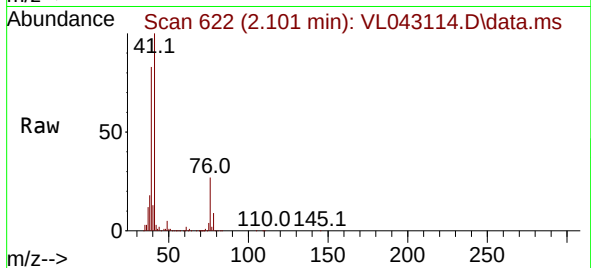
#21
 Allyl Chloride
 Concen: 9.338 ppbv
 RT: 2.101 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 91089
 Ion Ratio Lower Upper
 41 100
 76 27.1 21.5 32.3
 39 81.7 60.8 91.2

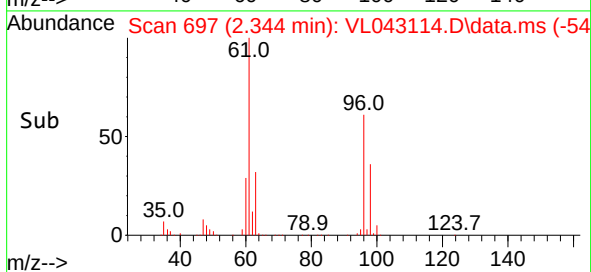
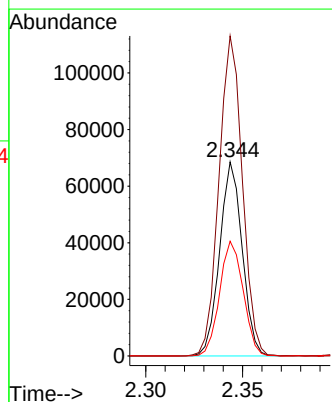
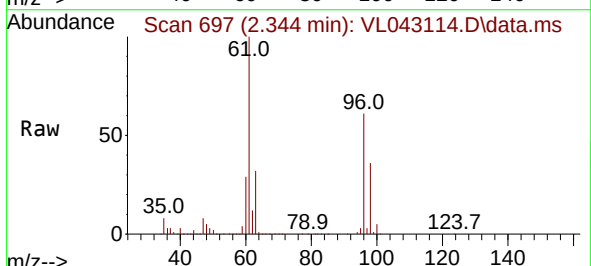
Manual Integrations
 APPROVED

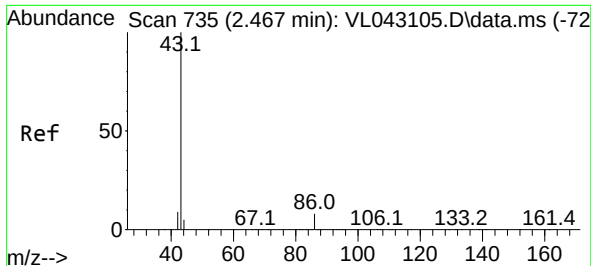
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.681 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

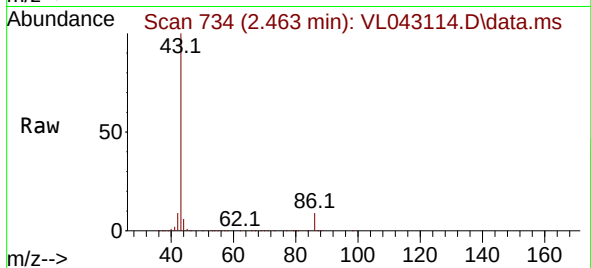
Tgt Ion: 96 Resp: 55471
 Ion Ratio Lower Upper
 96 100
 61 164.9 137.0 205.6
 98 59.1 45.5 68.3





#23
 Vinyl Acetate
 Concen: 9.216 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. -0.004 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

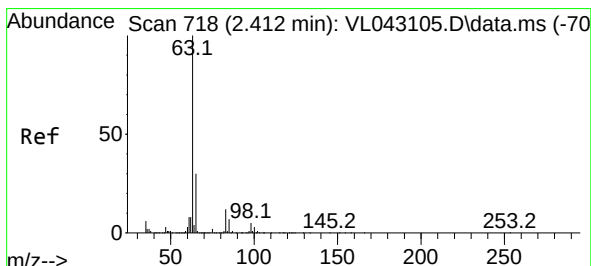
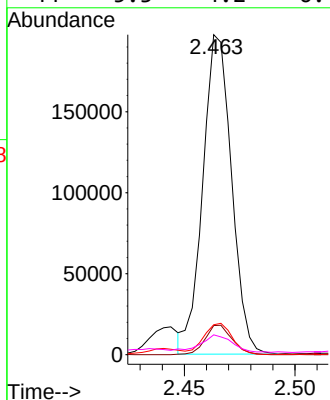
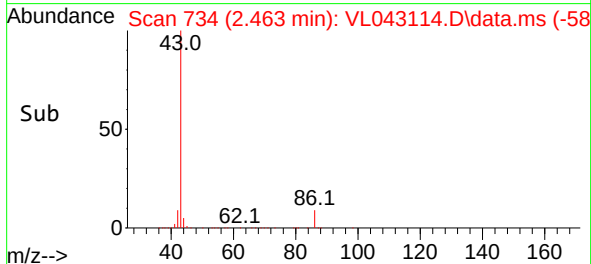
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 43 Resp: 178708
 Ion Ratio Lower Upper
 43 100
 86 9.1 6.2 9.2
 42 9.3 7.6 11.4
 44 5.3 4.2 6.4

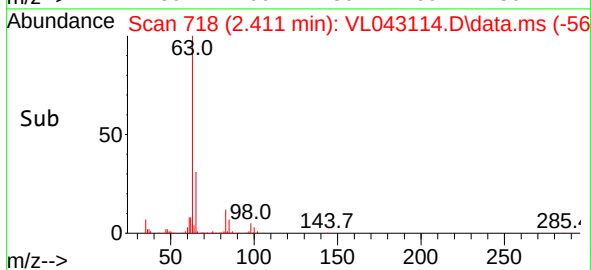
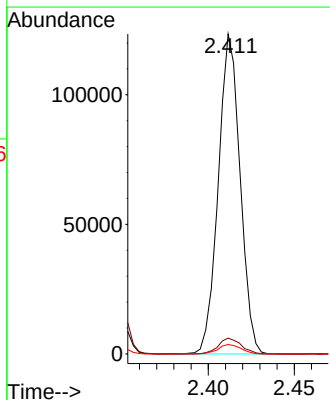
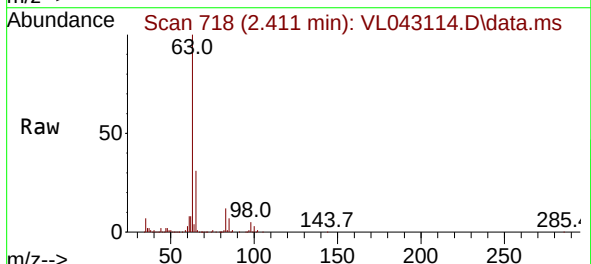
Manual Integrations
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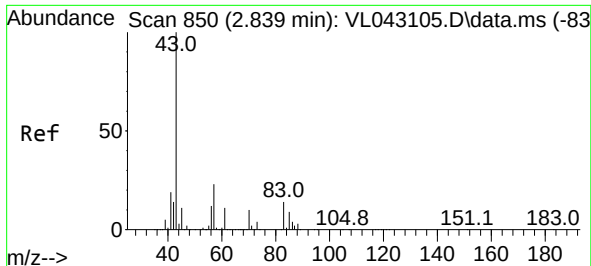
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#24
 1,1-Dichloroethane
 Concen: 9.847 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

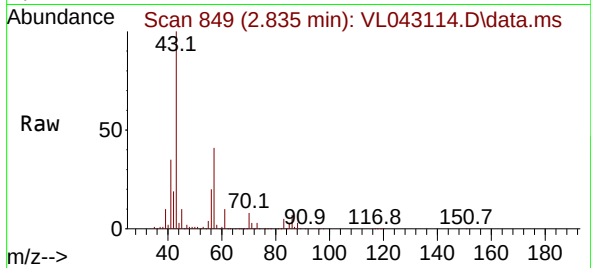
Tgt Ion: 63 Resp: 109016
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.6 7.8
 100 2.9 1.5 4.4





#25
Ethyl Acetate
Concen: 8.848 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

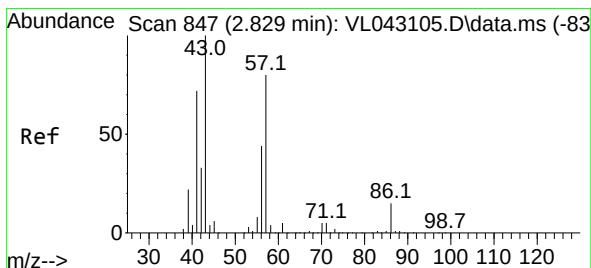
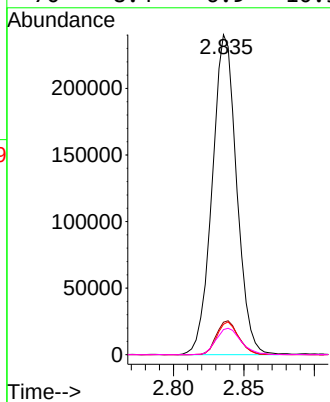
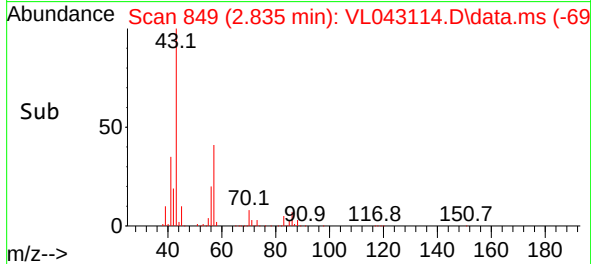
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 29044
Ion Ratio Lower Upper
43 100
45 9.7 7.8 11.8
61 9.2 7.0 10.6
70 8.4 6.9 10.3

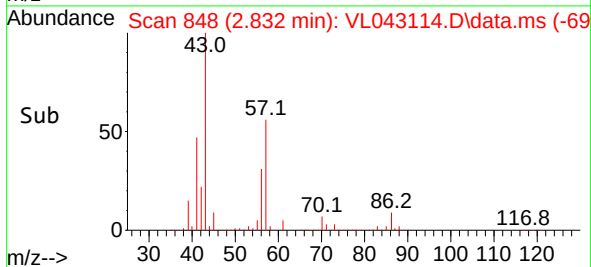
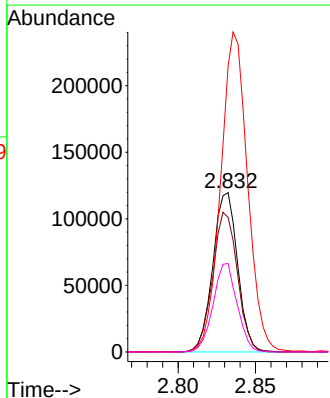
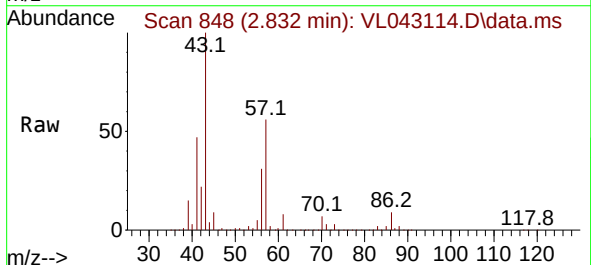
Manual Integrations
APPROVED

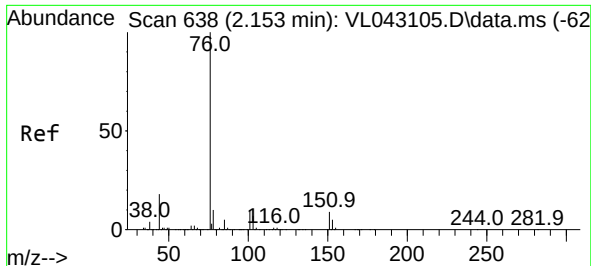
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#26
Hexane
Concen: 8.766 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

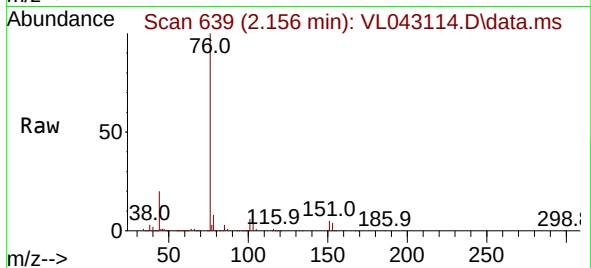
Tgt Ion: 57 Resp: 132602
Ion Ratio Lower Upper
57 100
41 88.8 71.4 107.0
43 220.5 178.5 267.7
56 54.0 42.2 63.4





#27
Carbon Disulfide
Concen: 9.810 ppbv
RT: 2.156 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

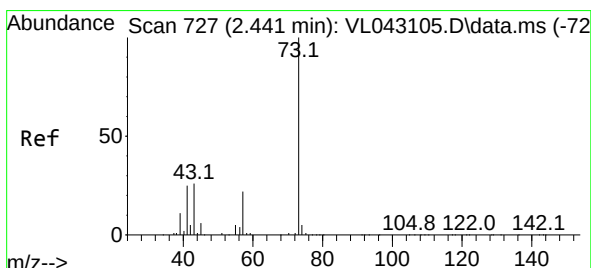
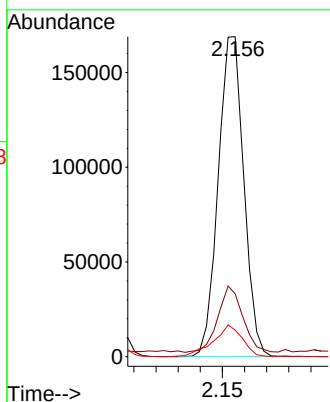
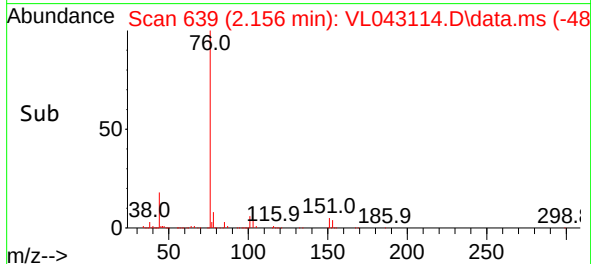
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 76 Resp: 135963
Ion Ratio Lower Upper
76 100
44 29.5 16.7 25.1
78 11.4 9.3 13.9

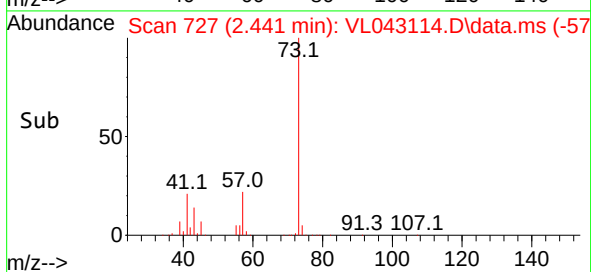
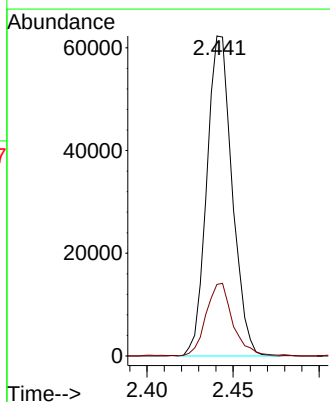
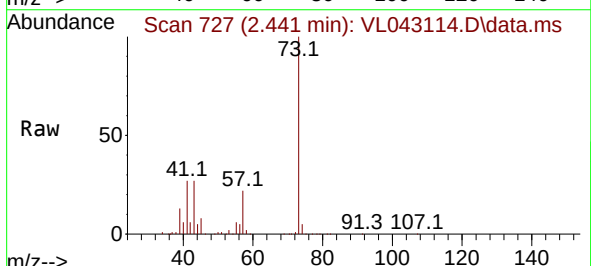
Manual Integrations
APPROVED

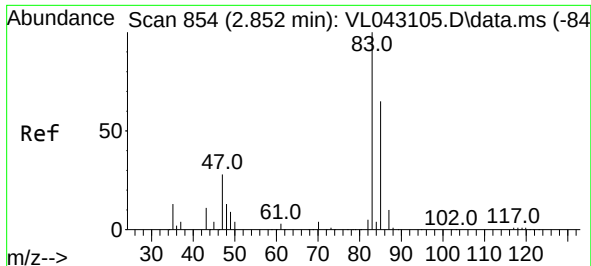
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#28
Methyl tert-Butyl Ether
Concen: 9.290 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 73 Resp: 63933
Ion Ratio Lower Upper
73 100
57 24.3 20.5 30.7





#29

Chloroform

Concen: 9.458 ppbv

RT: 2.852 min Scan# 854

Delta R.T. -0.000 min

Lab File: VL043114.D

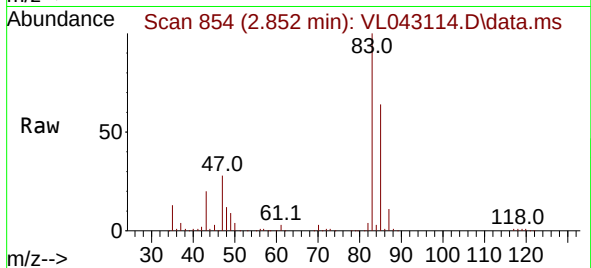
Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 83 Resp: 20729

Ion Ratio Lower Upper

83 100

85 64.2 51.8 77.6

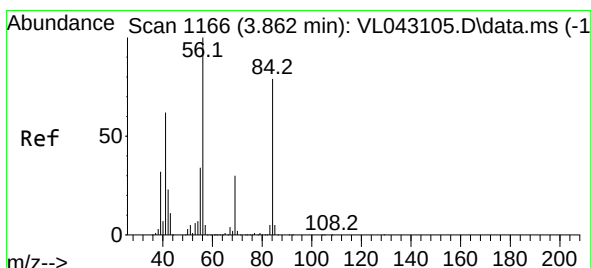
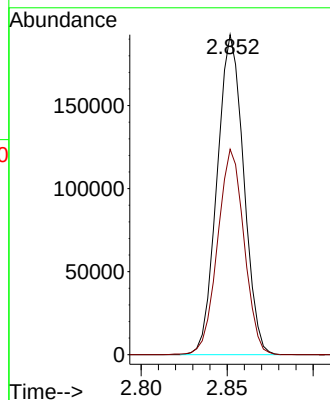
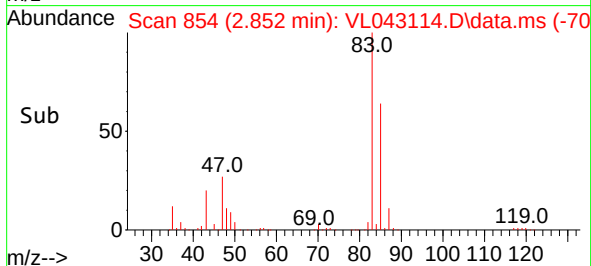
Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda

10/17/2025



#30

Cyclohexane

Concen: 8.872 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

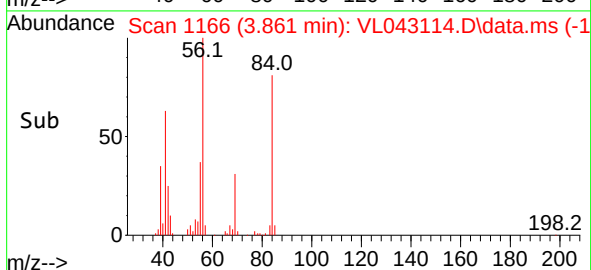
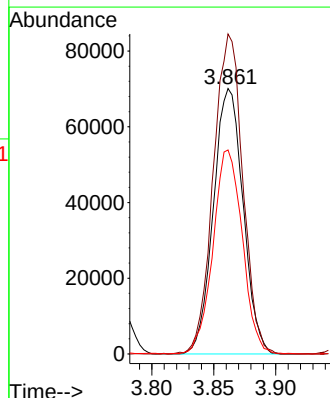
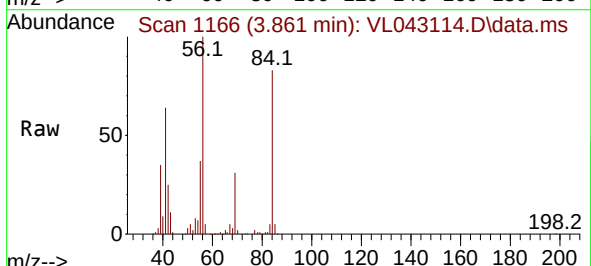
Tgt Ion: 84 Resp: 117130

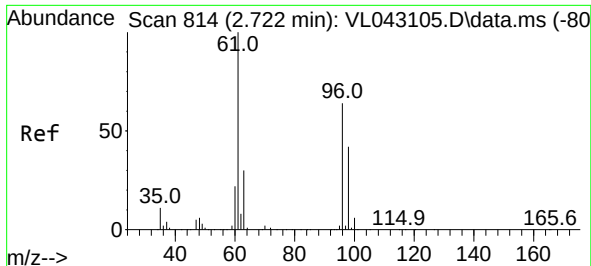
Ion Ratio Lower Upper

84 100

56 119.7 100.9 151.3

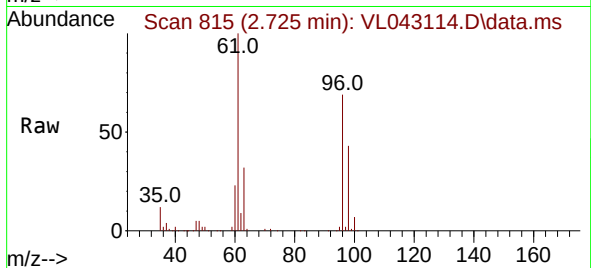
41 76.0 63.8 95.6





#31
 cis-1,2-Dichloroethene
 Concen: 9.551 ppbv
 RT: 2.725 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

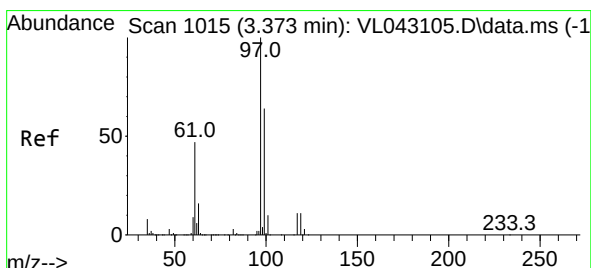
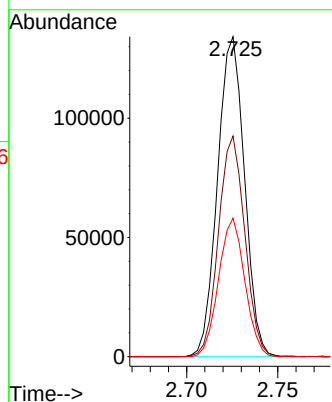
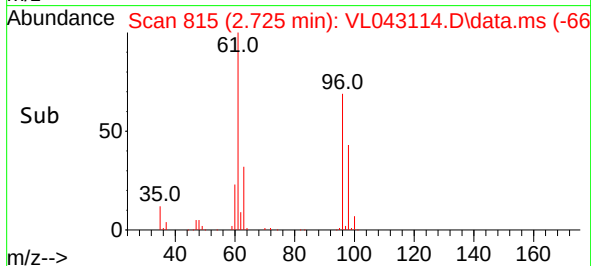
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 61 Resp: 137958
 Ion Ratio Lower Upper
 61 100
 96 68.9 51.0 76.6
 98 43.3 33.5 50.3

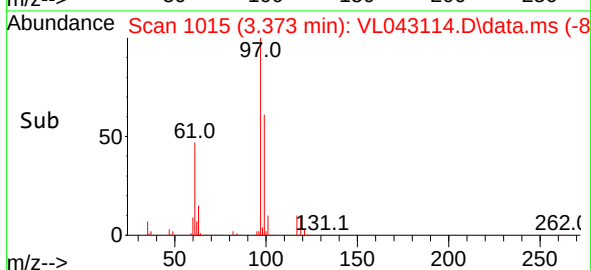
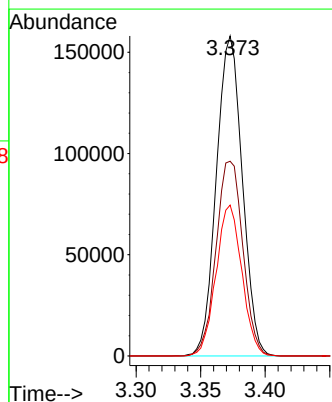
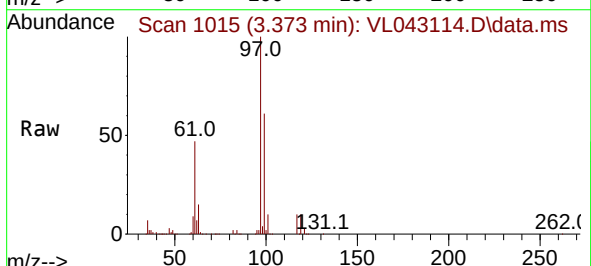
Manual Integrations
 APPROVED

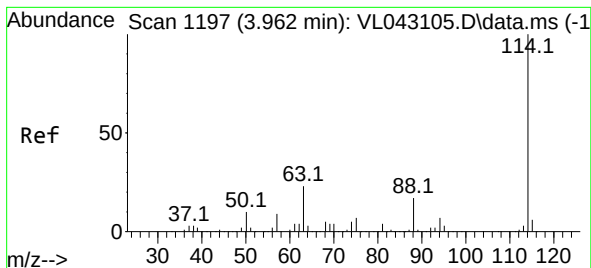
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#32
 1,1,1-Trichloroethane
 Concen: 9.688 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

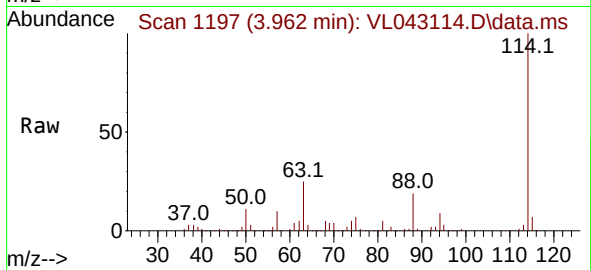
Tgt Ion: 97 Resp: 221109
 Ion Ratio Lower Upper
 97 100
 99 62.9 51.3 76.9
 61 46.9 38.4 57.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

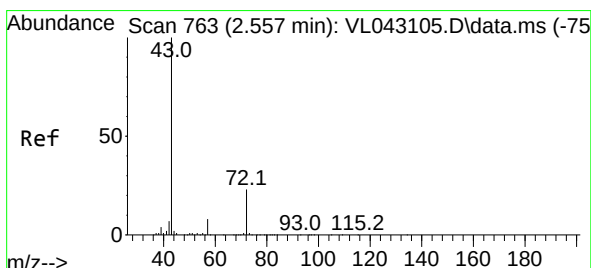
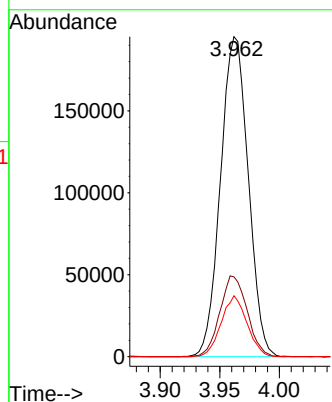
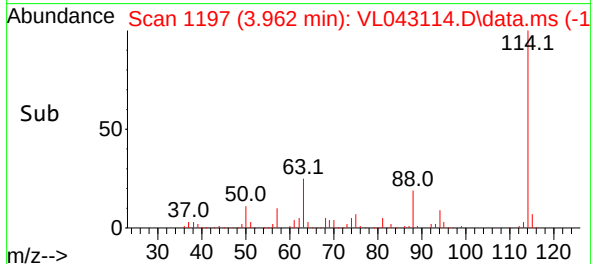
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:114 Resp: 31611
Ion Ratio Lower Upper
114 100
63 24.8 19.3 28.9
88 17.7 13.9 20.9

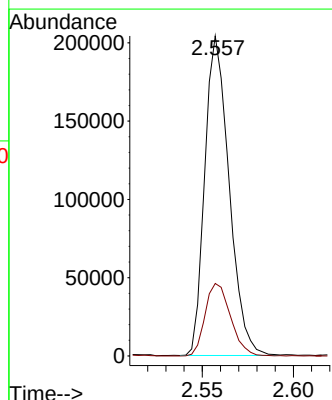
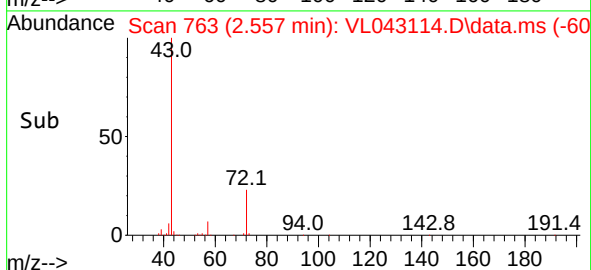
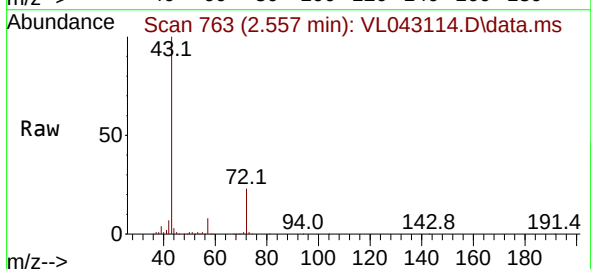
Manual Integrations
APPROVED

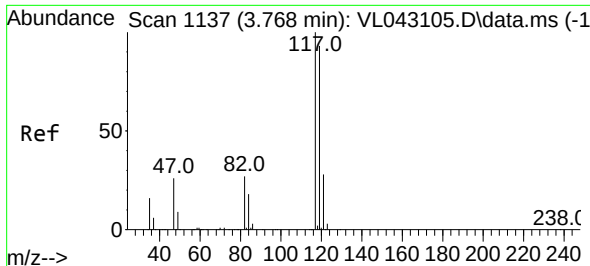
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#34
2-Butanone
Concen: 8.917 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

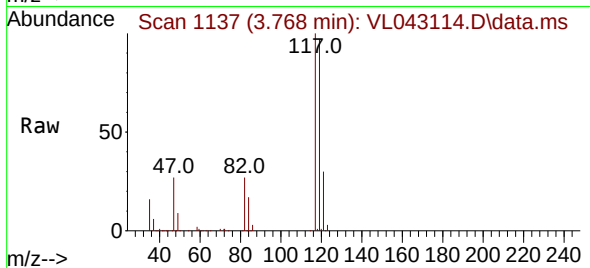
Tgt Ion: 43 Resp: 189478
Ion Ratio Lower Upper
43 100
72 23.7 18.4 27.6





#35
Carbon Tetrachloride
Concen: 9.702 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

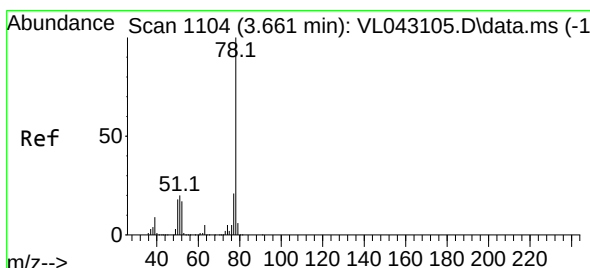
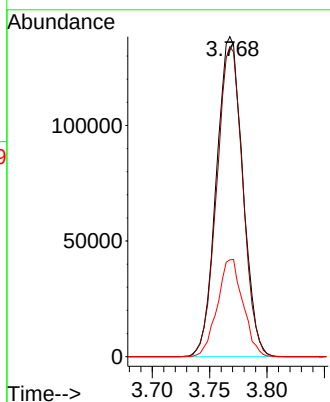
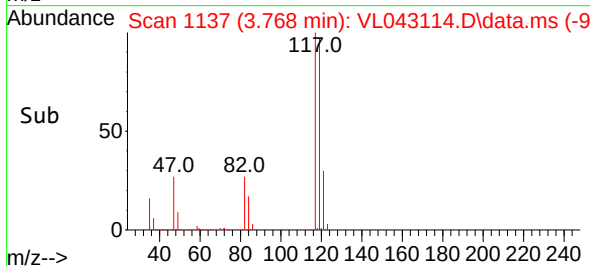
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 117 Resp: 220510
Ion Ratio Lower Upper
117 100
119 96.9 74.1 111.1
121 30.2 22.2 33.2

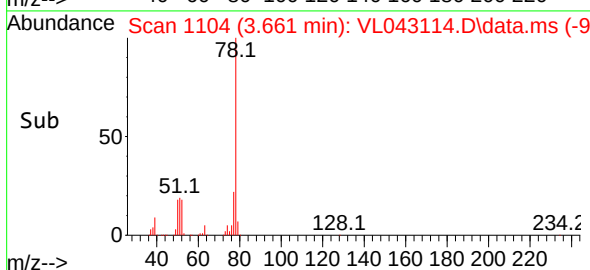
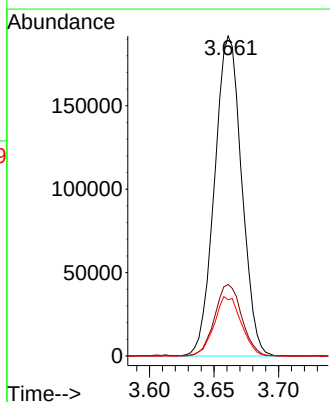
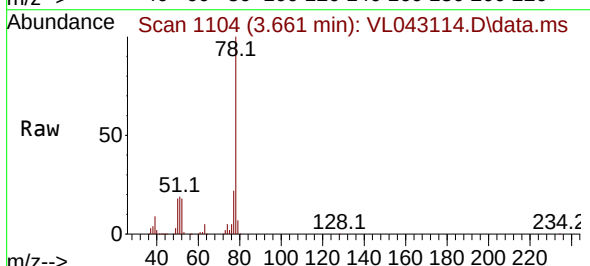
Manual Integrations
APPROVED

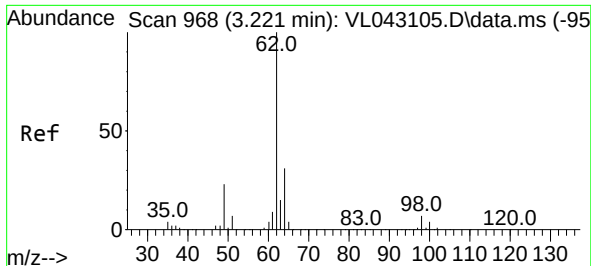
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#36
Benzene
Concen: 9.405 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 78 Resp: 280028
Ion Ratio Lower Upper
78 100
77 22.3 17.0 25.6
50 17.6 14.6 22.0





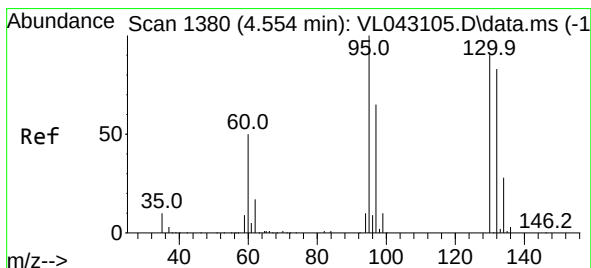
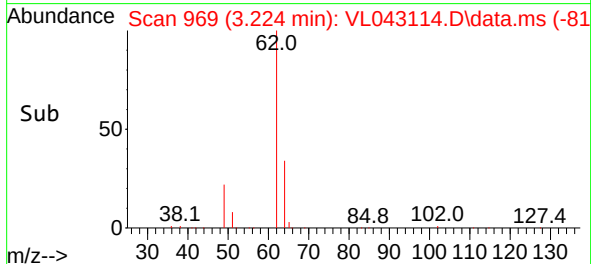
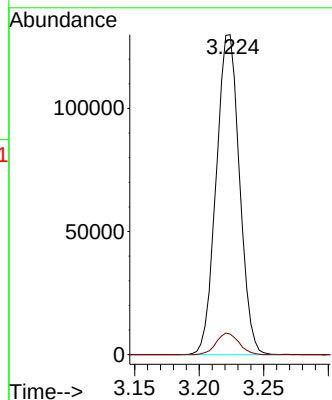
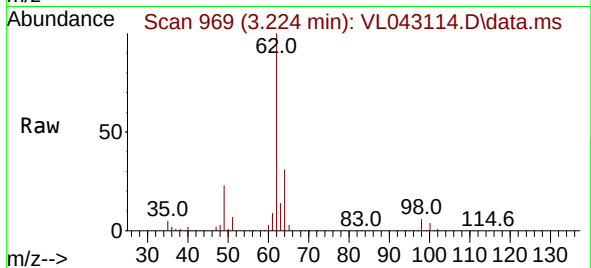
#37
1,2-Dichloroethane
Concen: 9.506 ppbv
RT: 3.224 min Scan# 969
Delta R.T. 0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 16304
Ion Ratio Lower Upper
62 100
98 6.6 5.8 8.6

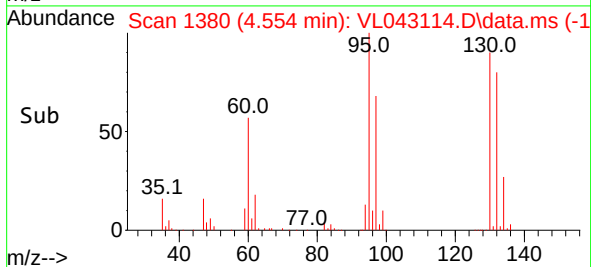
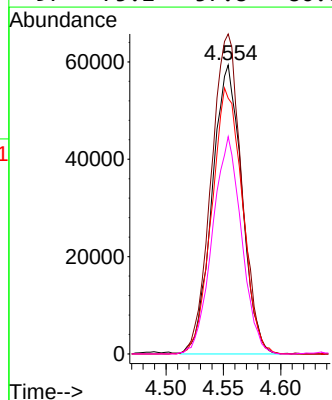
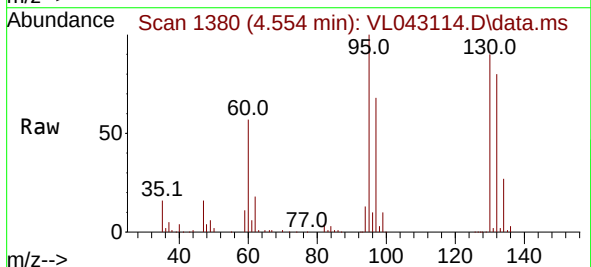
Manual Integrations
APPROVED

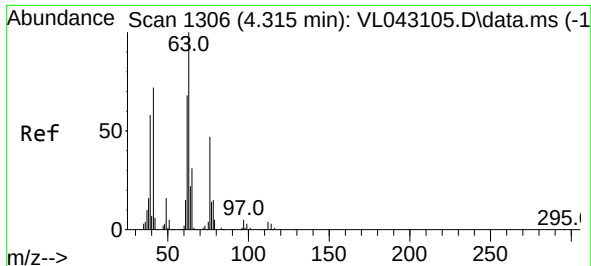
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#38
Trichloroethene
Concen: 8.597 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion:130 Resp: 106893
Ion Ratio Lower Upper
130 100
95 110.5 88.6 133.0
132 88.4 73.4 110.0
97 75.2 57.8 86.6





#39

1,2-Dichloropropane

Concen: 9.057 ppbv

RT: 4.318 min Scan# 1306

Delta R.T. 0.003 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

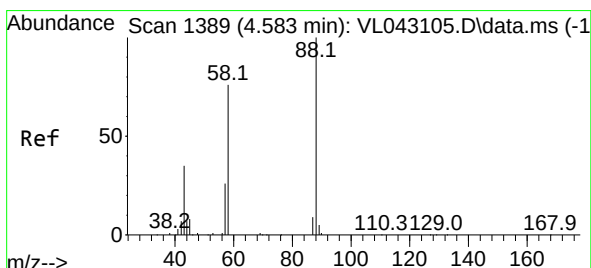
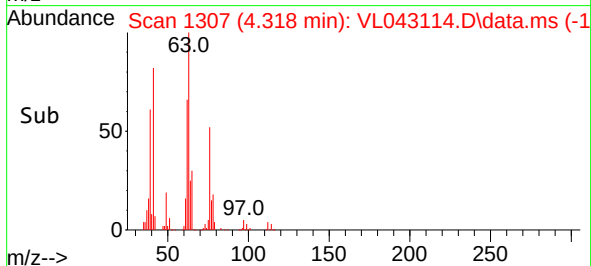
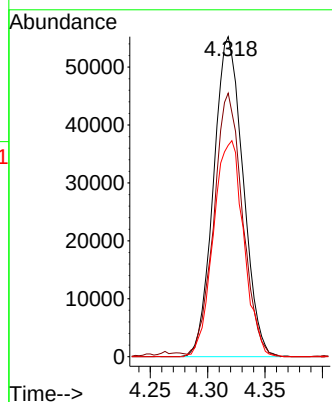
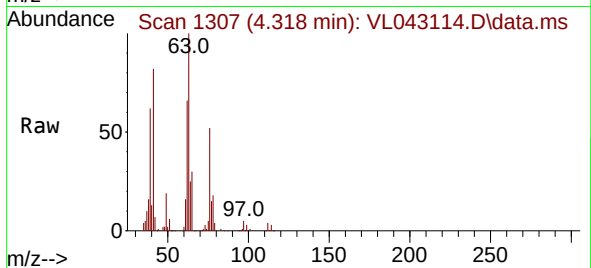
Tgt Ion: 63 Resp: 9858

Ion	Ratio	Lower	Upper
63	100		
41	82.2	58.0	87.0
62	66.0	54.7	82.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#40

1,4-Dioxane

Concen: 9.142 ppbv

RT: 4.580 min Scan# 1388

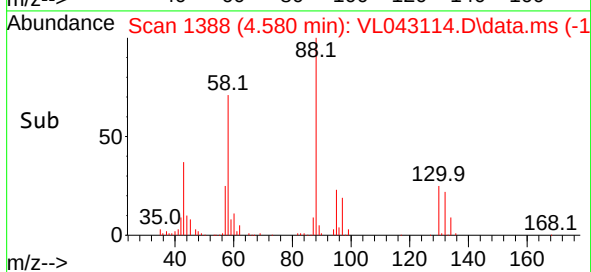
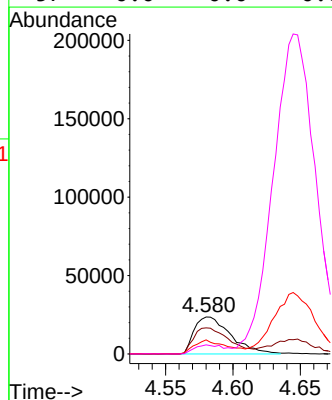
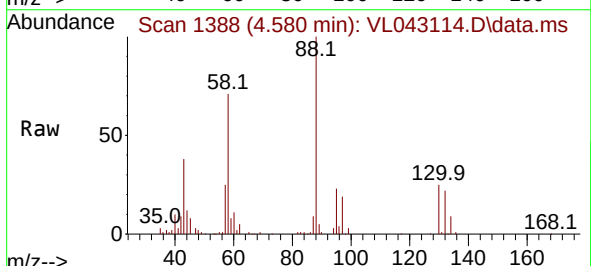
Delta R.T. -0.003 min

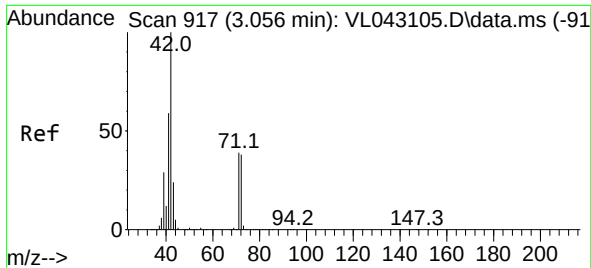
Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Tgt Ion: 88 Resp: 44526

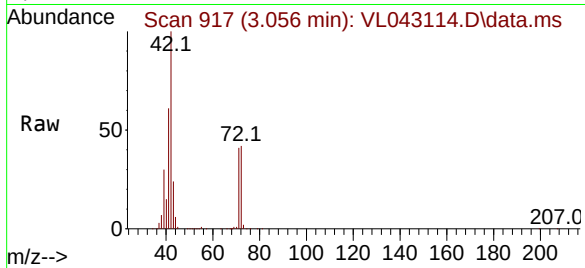
Ion	Ratio	Lower	Upper
88	100		
58	70.6	61.1	91.7
43	34.9	24.0	36.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 8.646 ppbv
RT: 3.056 min Scan# 917
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

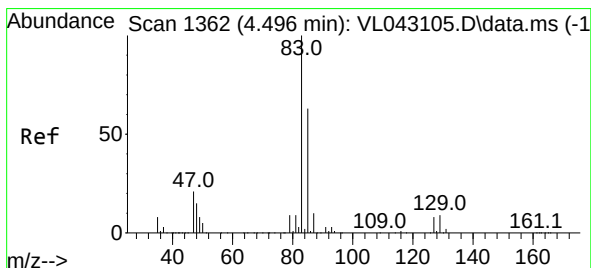
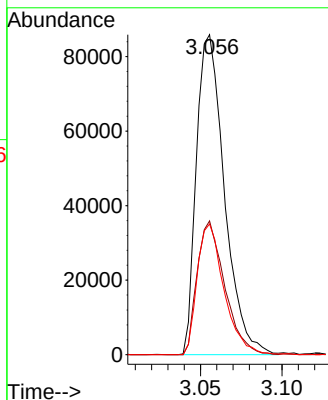
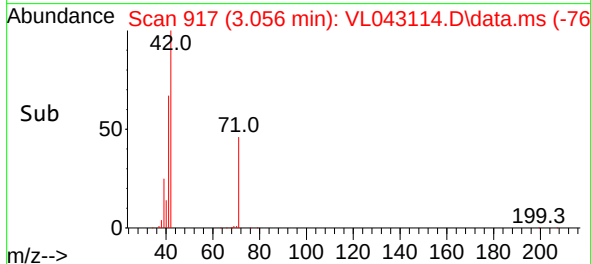
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



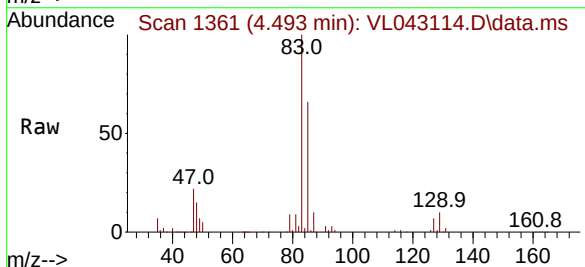
Tgt Ion: 42 Resp: 102758
Ion Ratio Lower Upper
42 100
72 41.2 31.3 46.9
71 39.2 30.4 45.6

Manual Integrations
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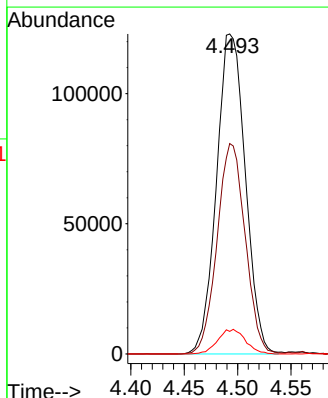
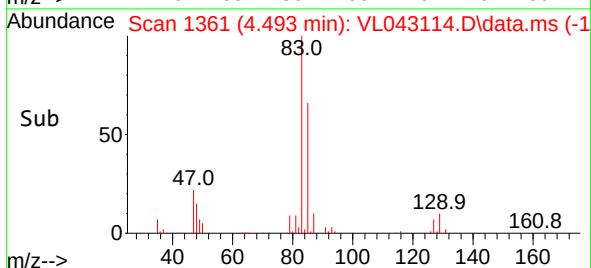
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

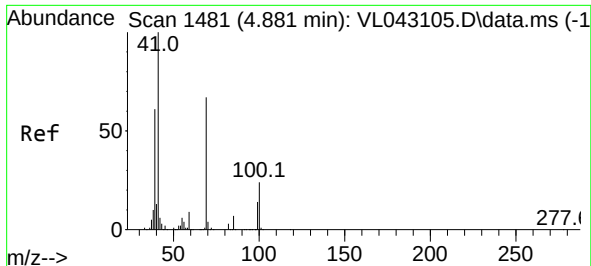


#42
Bromodichloromethane
Concen: 9.731 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43



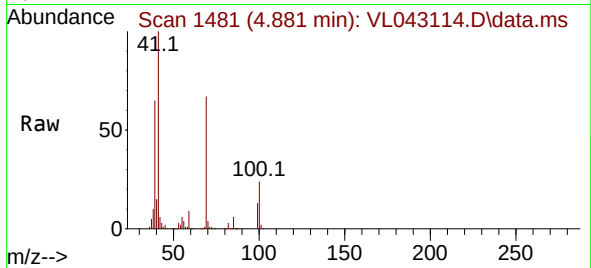
Tgt Ion: 83 Resp: 231006
Ion Ratio Lower Upper
83 100
85 65.7 50.6 75.8
127 7.0 6.3 9.5





#43
Methyl Methacrylate
Concen: 9.107 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

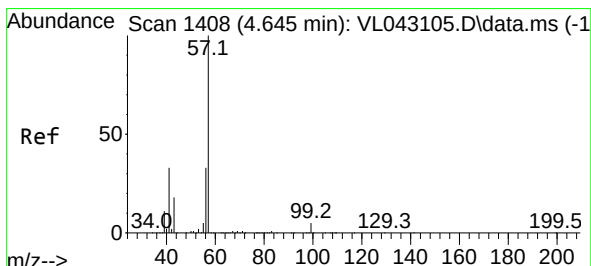
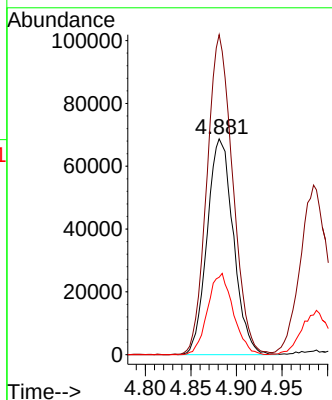
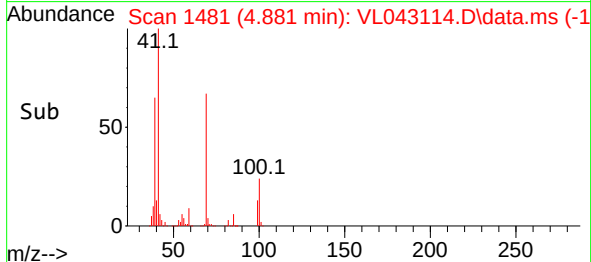
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



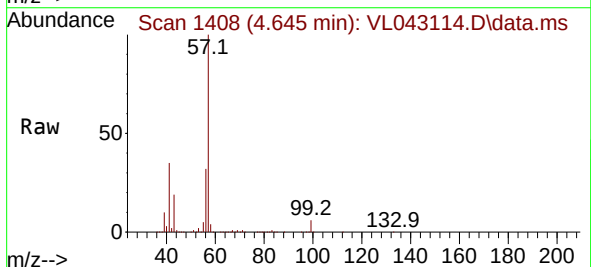
Tgt Ion: 69 Resp: 137710
Ion Ratio Lower Upper
69 100
41 145.9 120.5 180.7
100 36.7 29.0 43.4

Manual Integrations
APPROVED

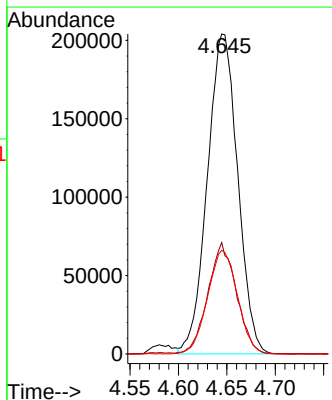
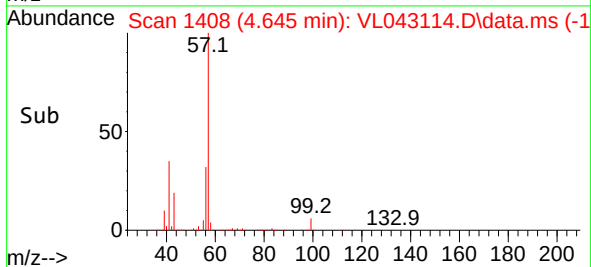
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

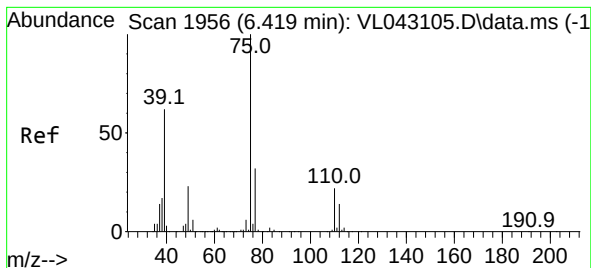


#44
2,2,4-Trimethylpentane
Concen: 8.854 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43



Tgt Ion: 57 Resp: 444749
Ion Ratio Lower Upper
57 100
41 33.1 26.3 39.5
56 32.0 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 9.477 ppbv

RT: 6.418 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 143812

Ion Ratio Lower Upper

75 100

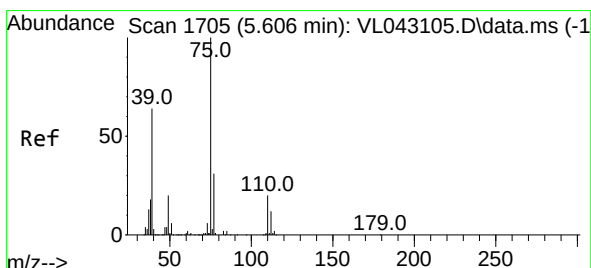
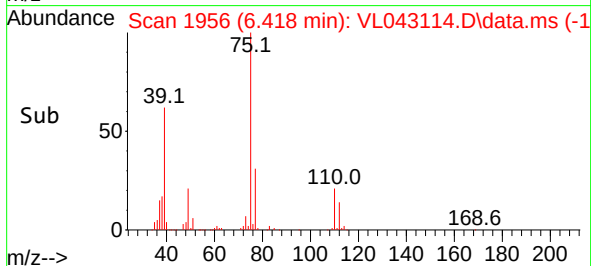
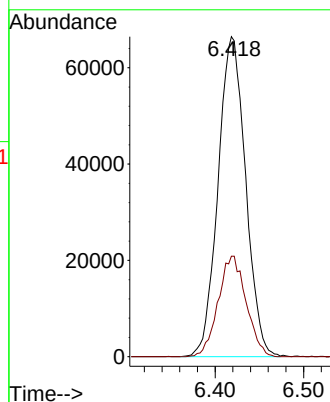
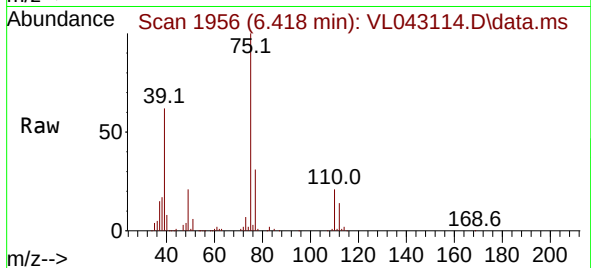
77 31.4 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/17/2025



#46

cis-1,3-Dichloropropene

Concen: 9.306 ppbv

RT: 5.603 min Scan# 1704

Delta R.T. -0.004 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

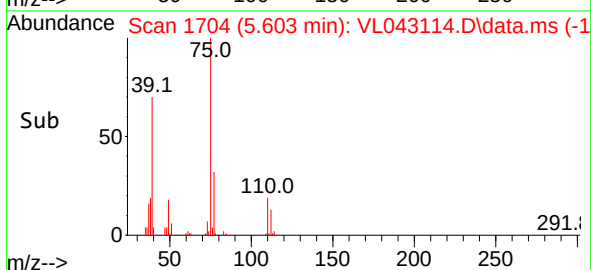
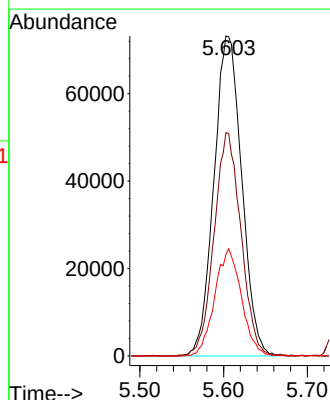
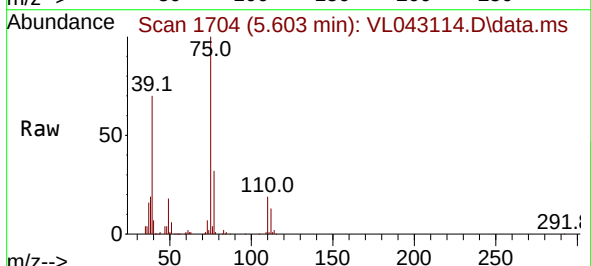
Tgt Ion: 75 Resp: 168699

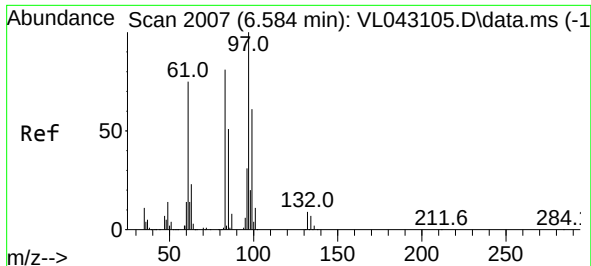
Ion Ratio Lower Upper

75 100

39 69.5 51.0 76.6

77 31.8 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 9.145 ppbv

RT: 6.583 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 10748

Ion Ratio Lower Upper

97 100

83 80.3 64.6 96.8

85 53.0 40.6 60.8

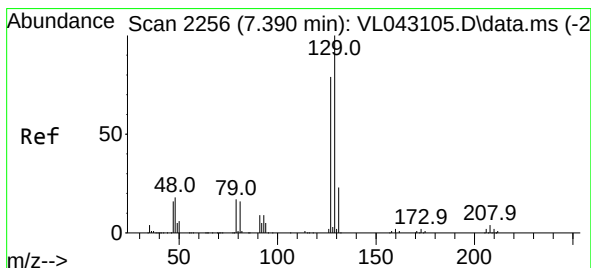
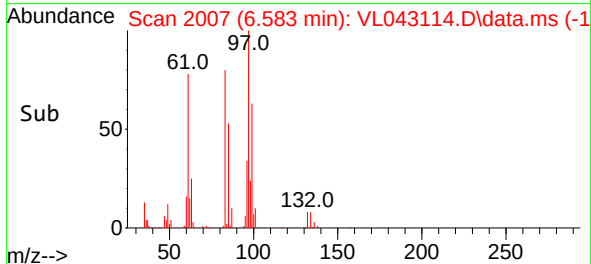
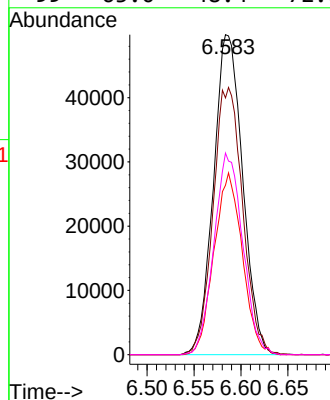
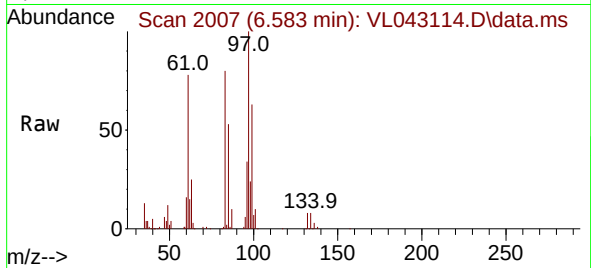
99 63.0 48.4 72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/17/2025



#48

Dibromochloromethane

Concen: 9.504 ppbv

RT: 7.389 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VL043114.D

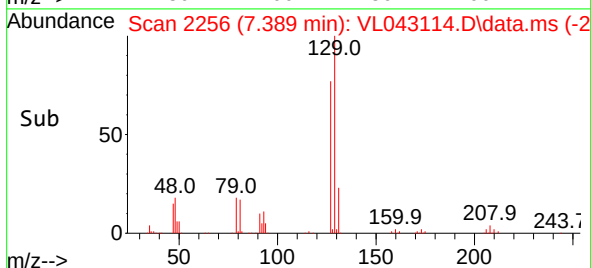
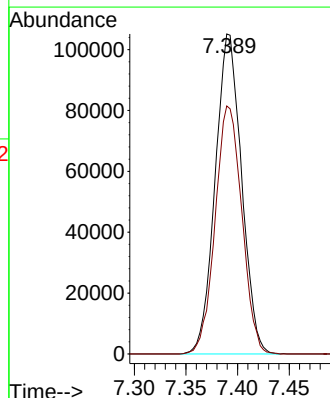
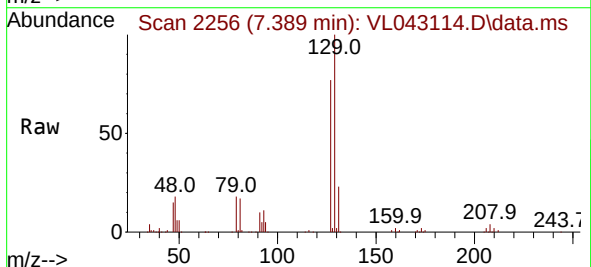
Acq: 15 Oct 2025 08:43

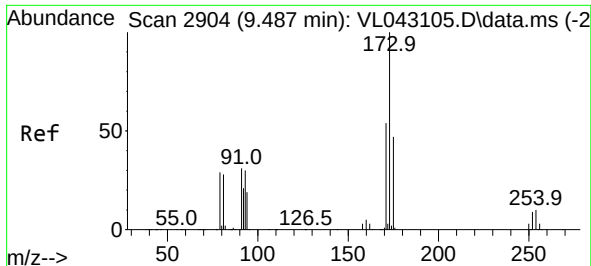
Tgt Ion:129 Resp: 186784

Ion Ratio Lower Upper

129 100

127 78.5 39.3 117.9





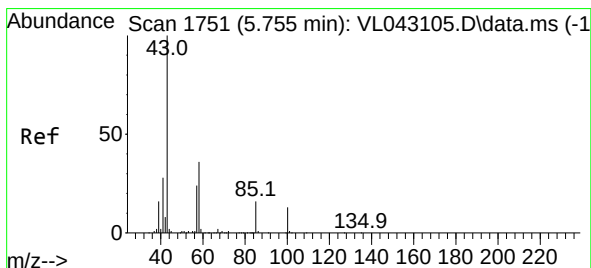
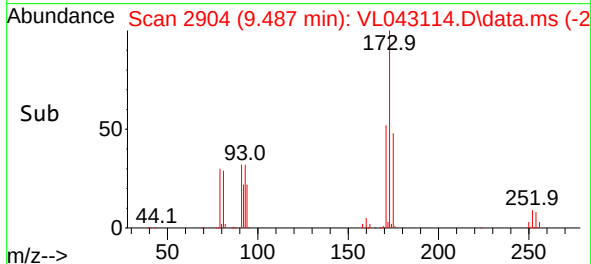
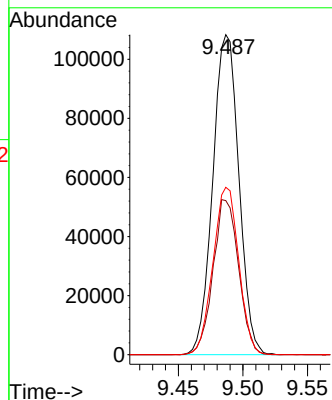
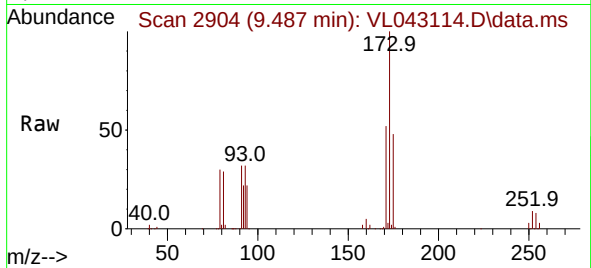
#49
Bromoform
Concen: 9.523 ppbv
RT: 9.487 min Scan# 2904
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 15212
Ion Ratio Lower Upper
173 100
175 47.6 38.8 58.2
171 51.6 41.7 62.5

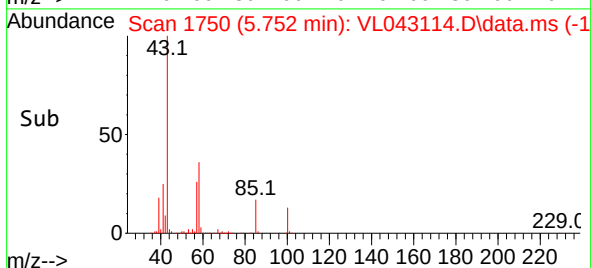
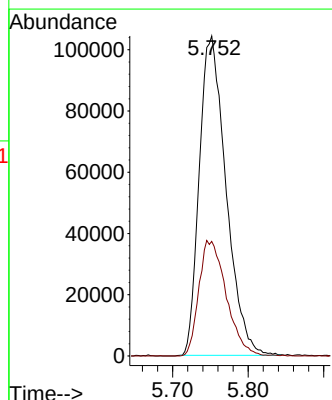
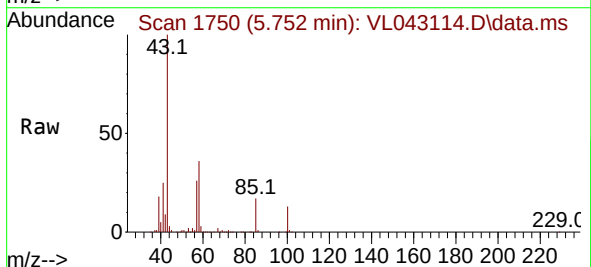
Manual Integrations
APPROVED

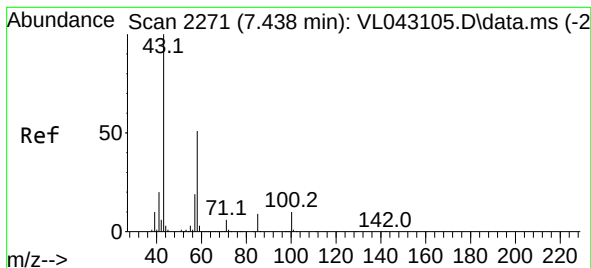
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#50
4-Methyl-2-Pentanone
Concen: 8.734 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. -0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 43 Resp: 256116
Ion Ratio Lower Upper
43 100
58 37.1 29.1 43.7





#51

2-Hexanone

Concen: 9.057 ppbv

RT: 7.438 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 199219

Ion Ratio Lower Upper

43 100

58 51.1 40.4 60.6

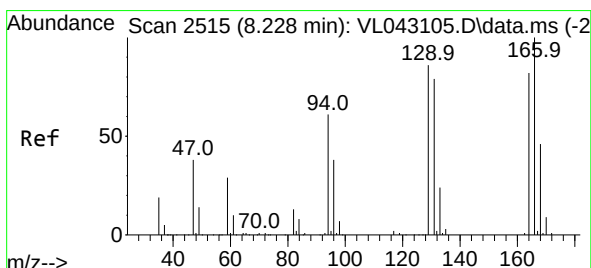
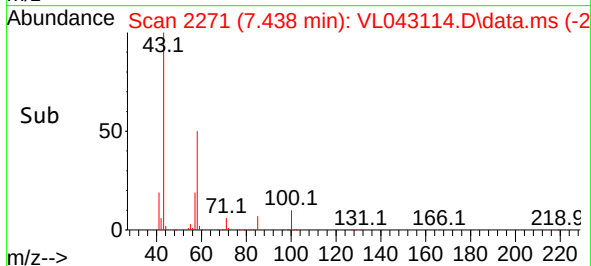
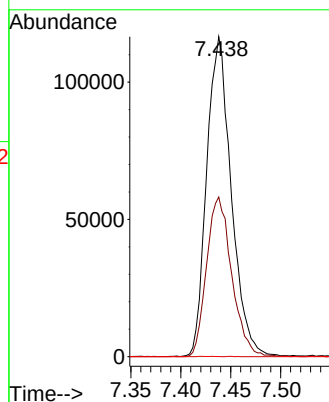
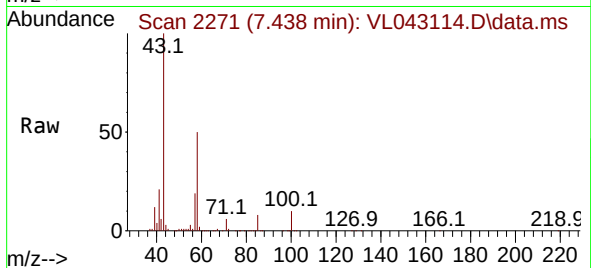
98 0.1 0.1 0.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/17/2025



#52

Tetrachloroethene

Concen: 8.820 ppbv

RT: 8.231 min Scan# 2516

Delta R.T. 0.003 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Tgt Ion:164 Resp: 94700

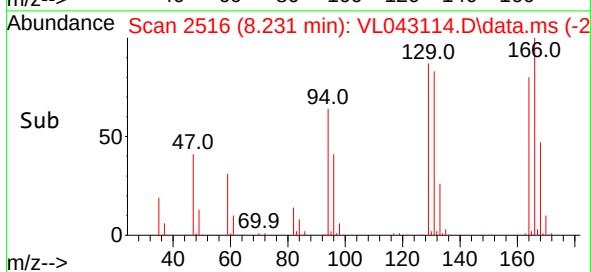
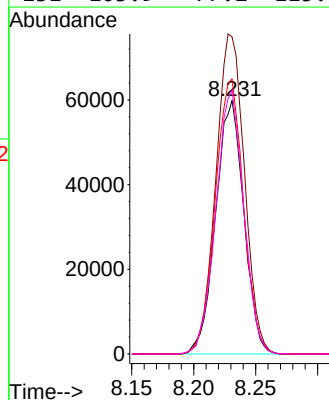
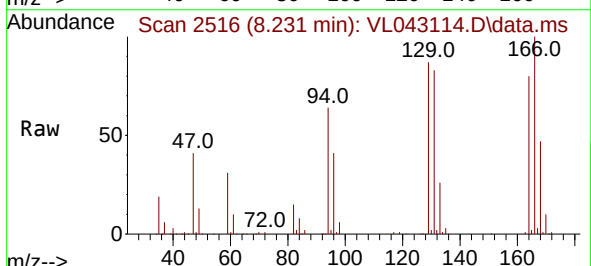
Ion Ratio Lower Upper

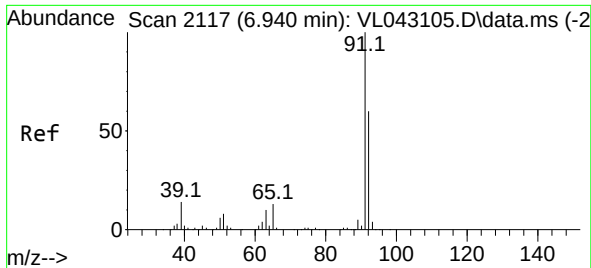
164 100

166 125.2 97.6 146.4

129 108.5 84.5 126.7

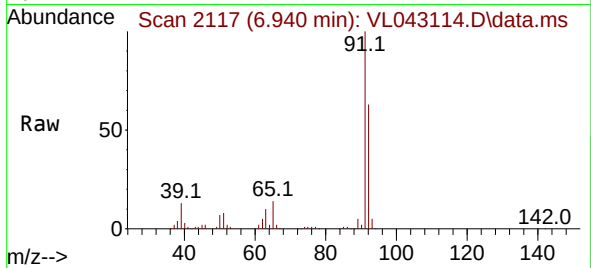
131 103.9 77.2 115.8





#53
Toluene
Concen: 9.007 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

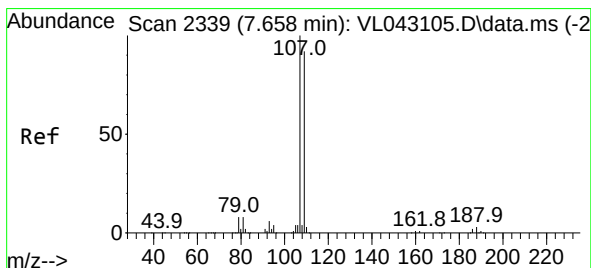
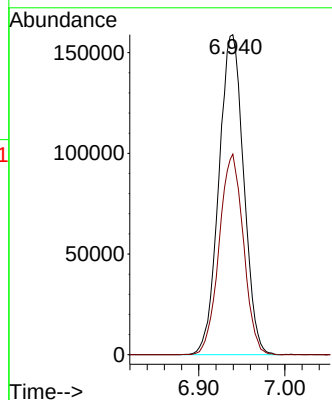
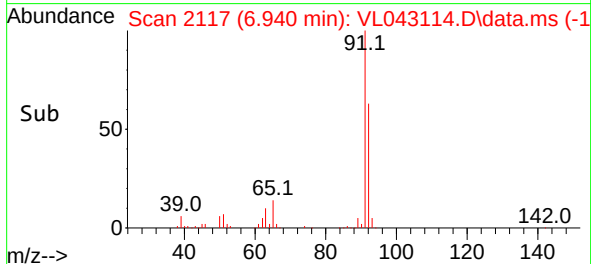
Instrument : MSVOA_L
ClientSampleId : VSTDCCC010



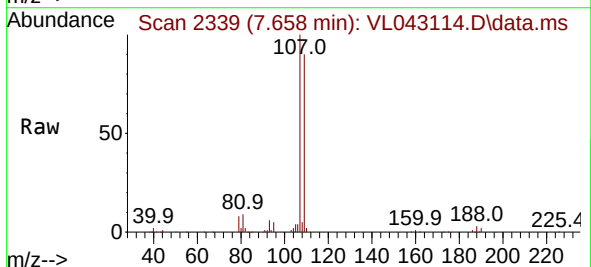
Tgt Ion: 91 Resp: 31826
Ion Ratio Lower Upper
91 100
92 61.3 48.8 73.2

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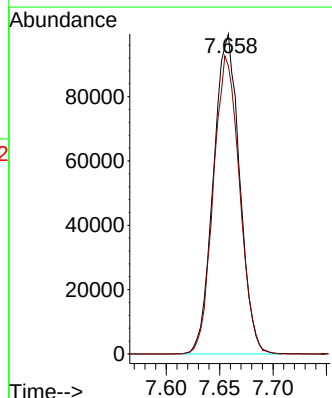
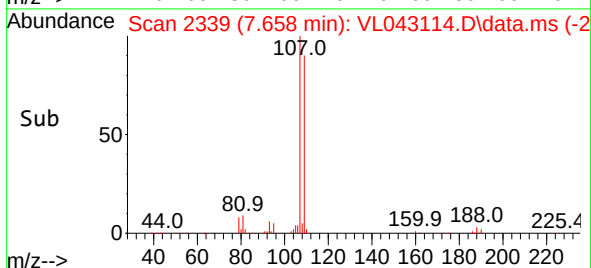
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

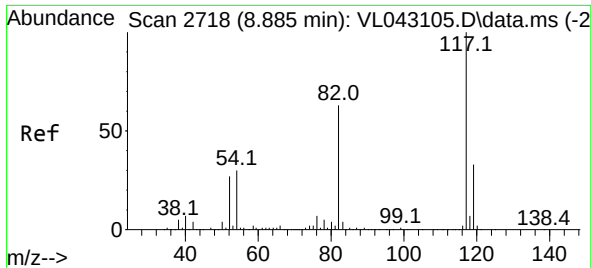


#54
1,2-Dibromoethane
Concen: 9.181 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43



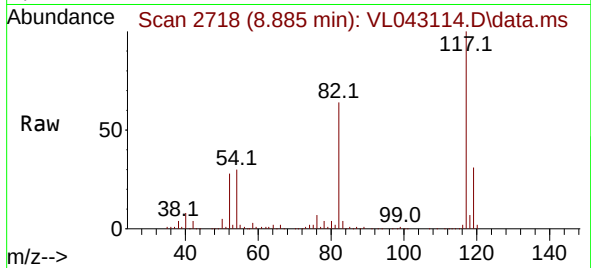
Tgt Ion:107 Resp: 169023
Ion Ratio Lower Upper
107 100
109 90.1 73.4 110.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

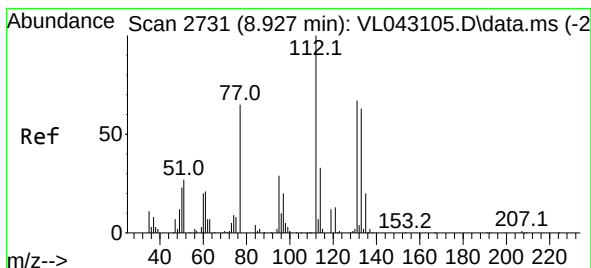
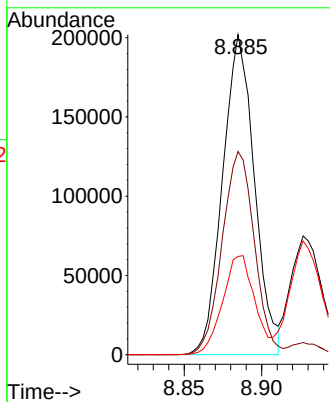
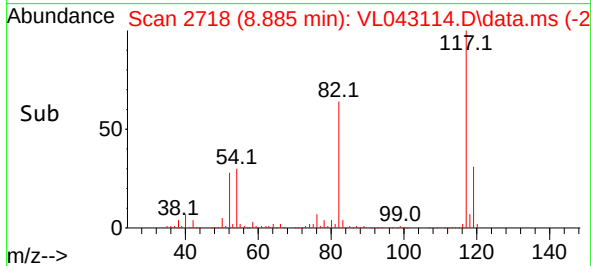
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:117 Resp: 28886
Ion Ratio Lower Upper
117 100
82 67.9 53.8 80.8
119 31.6 25.4 38.0

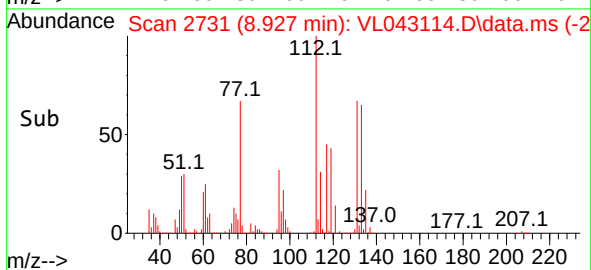
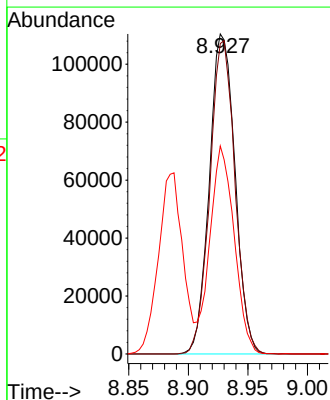
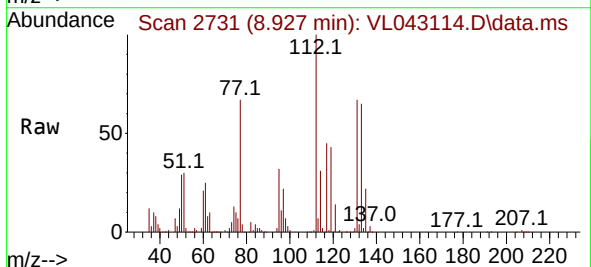
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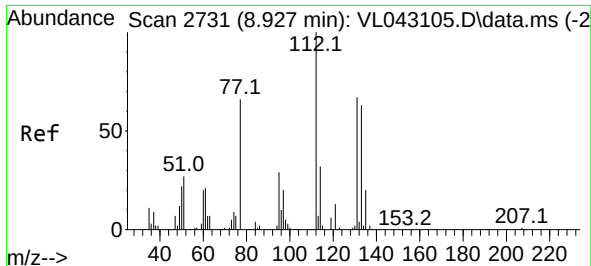
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 9.073 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

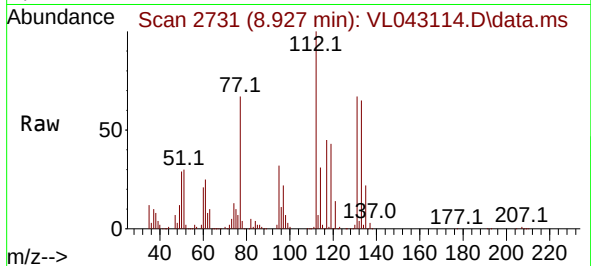
Tgt Ion:131 Resp: 165210
Ion Ratio Lower Upper
131 100
133 96.1 75.7 113.5
119 62.3 50.6 76.0





#57
Chlorobenzene
Concen: 8.750 ppbv
RT: 8.927 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

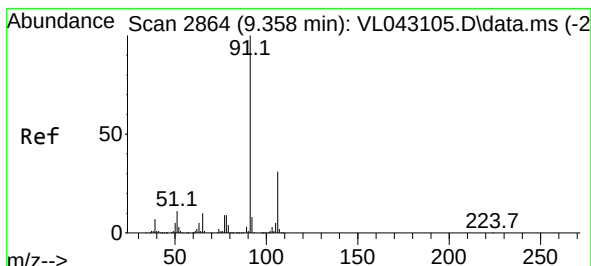
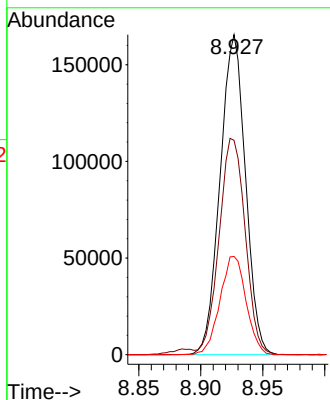
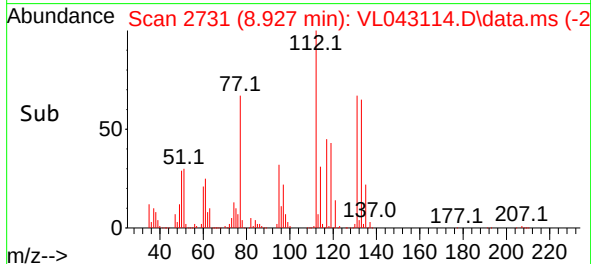
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 112 Resp: 23646
Ion Ratio Lower Upper
112 100
77 66.9 53.3 79.9
114 30.7 29.3 35.8

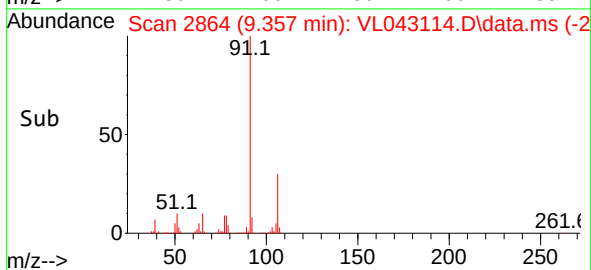
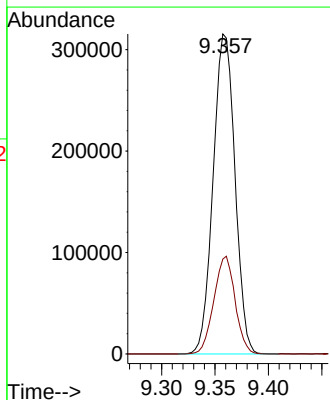
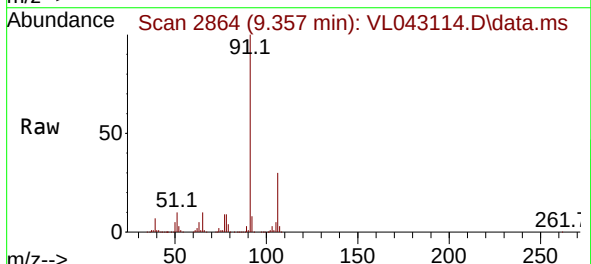
Manual Integrations
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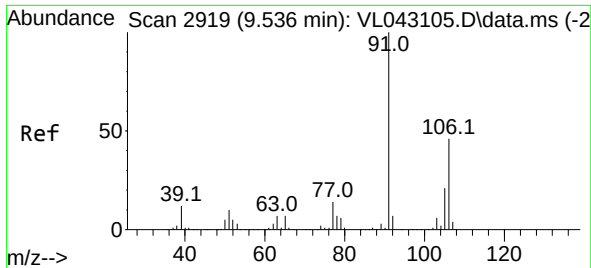
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#58
Ethyl Benzene
Concen: 9.043 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 91 Resp: 448315
Ion Ratio Lower Upper
91 100
106 29.6 24.8 37.2





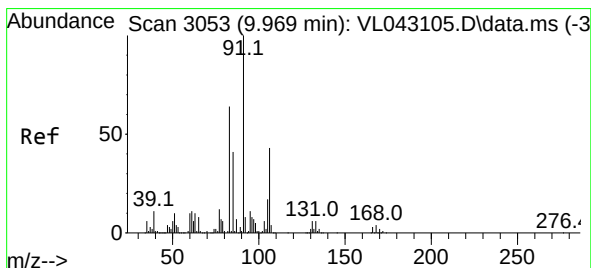
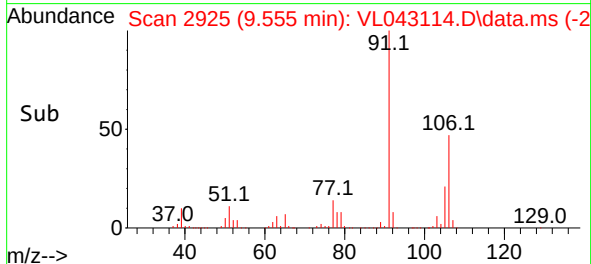
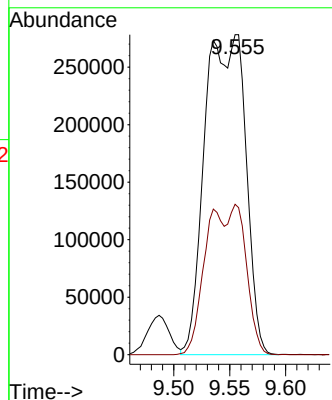
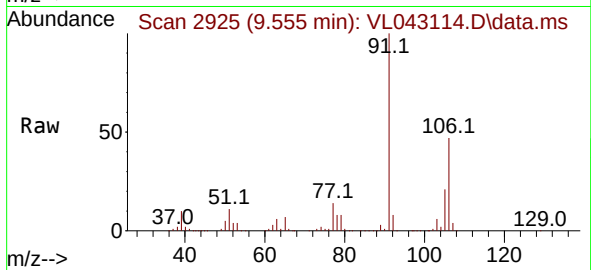
#59
m/p-Xylene
Concen: 17.839 ppbv m
RT: 9.555 min Scan# 2919
Delta R.T. 0.019 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 705380
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0

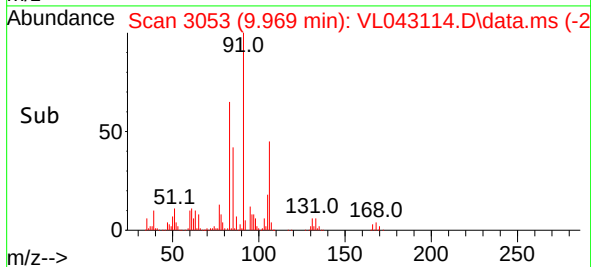
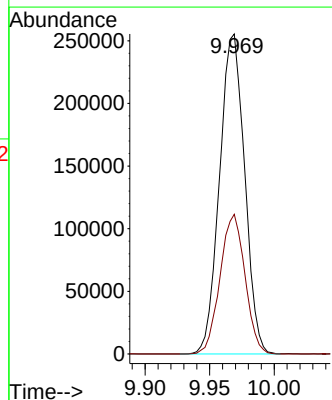
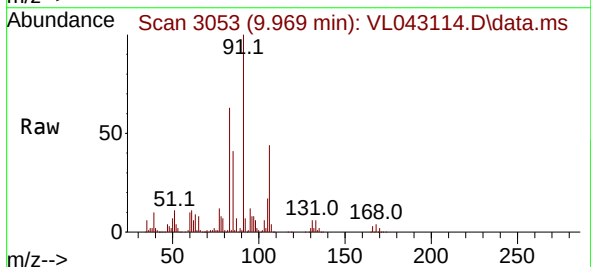
Manual Integrations
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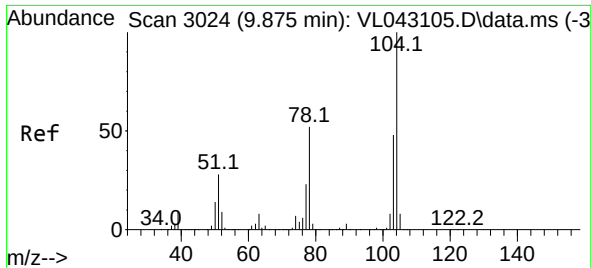
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#60
o-Xylene
Concen: 8.831 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 91 Resp: 344891
Ion Ratio Lower Upper
91 100
106 43.3 21.9 65.8





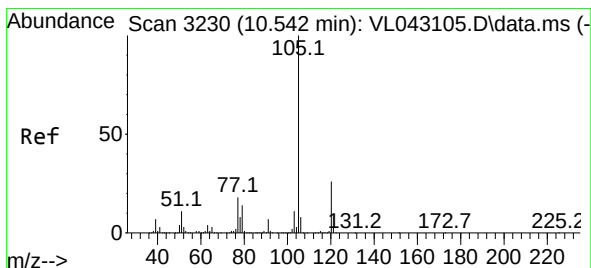
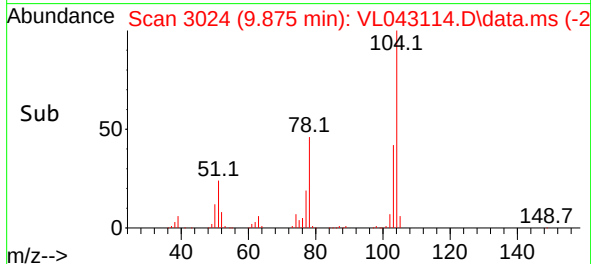
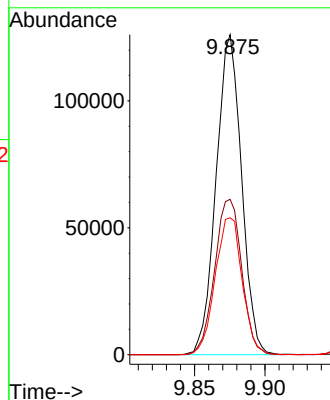
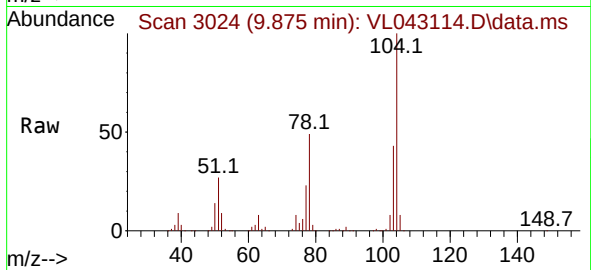
#61
Styrene
Concen: 8.997 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 158629
Ion Ratio Lower Upper
104 100
78 51.5 40.2 60.2
103 45.6 36.9 55.3

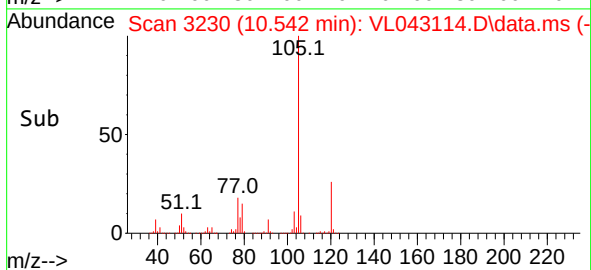
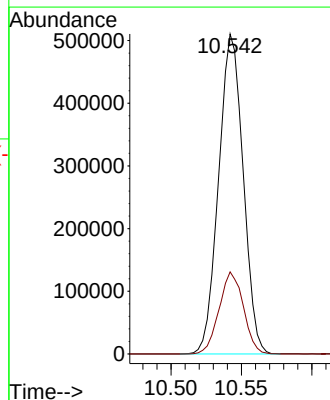
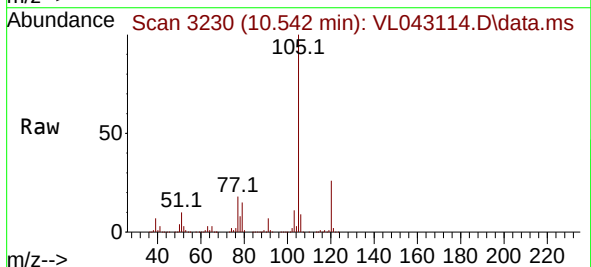
Manual Integrations
APPROVED

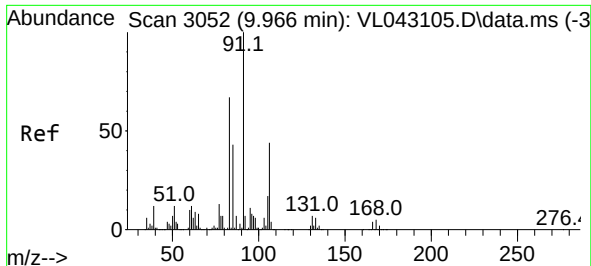
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#62
Isopropylbenzene
Concen: 8.784 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion:105 Resp: 619844
Ion Ratio Lower Upper
105 100
120 25.4 20.2 30.4





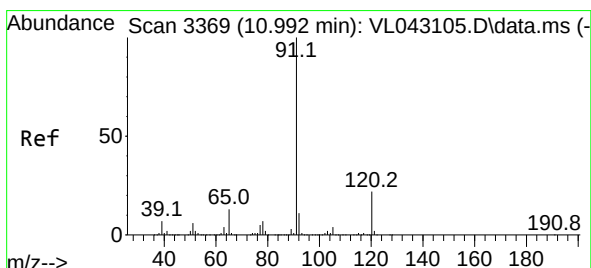
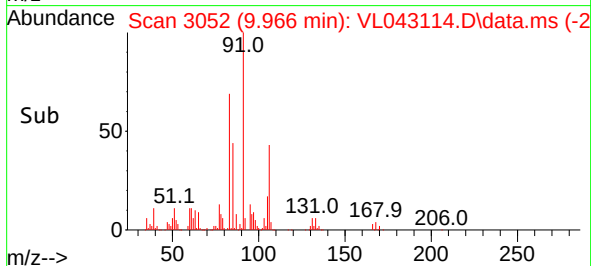
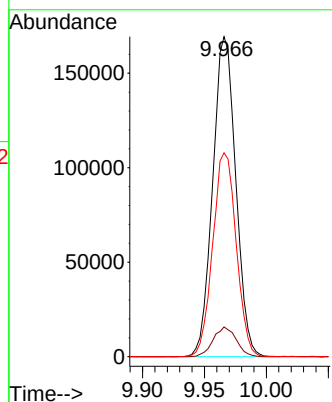
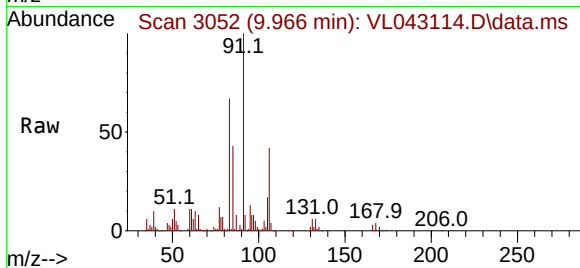
#63
1,1,2,2-Tetrachloroethane
Concen: 8.399 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 83 Resp: 21964
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.3
85 64.9 32.0 96.0

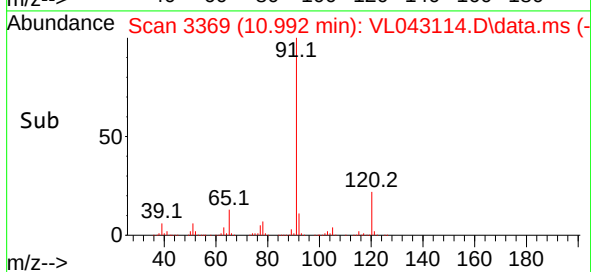
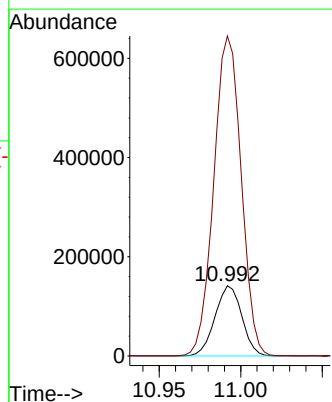
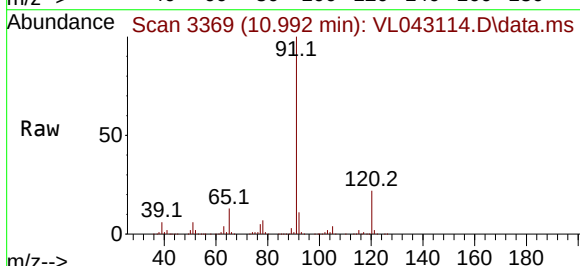
Manual Integrations
APPROVED

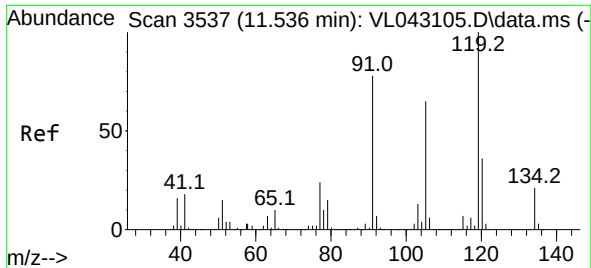
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#64
n-propylbenzene
Concen: 8.652 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

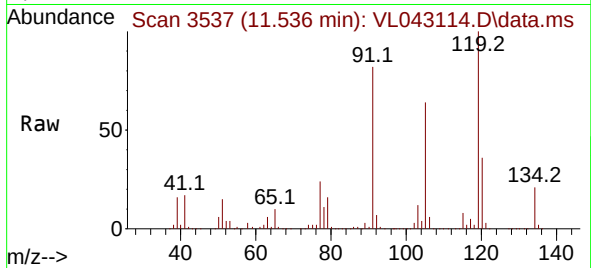
Tgt Ion:120 Resp: 161656
Ion Ratio Lower Upper
120 100
91 465.5 361.6 542.4





#65
tert-Butylbenzene
Concen: 8.430 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

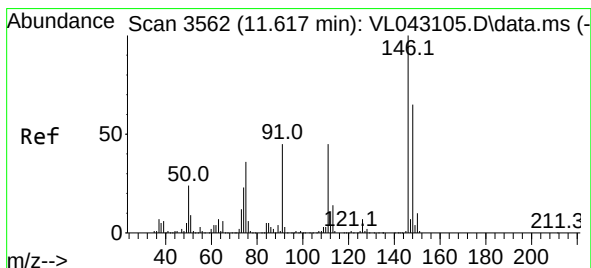
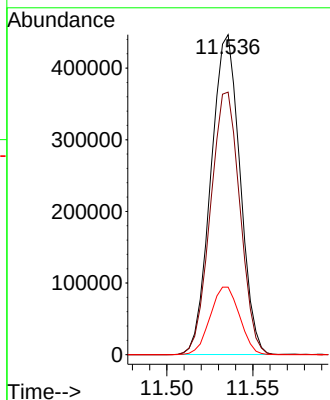
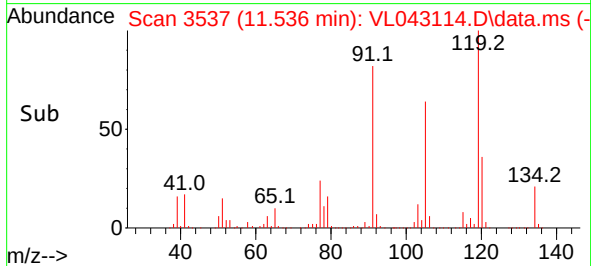
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



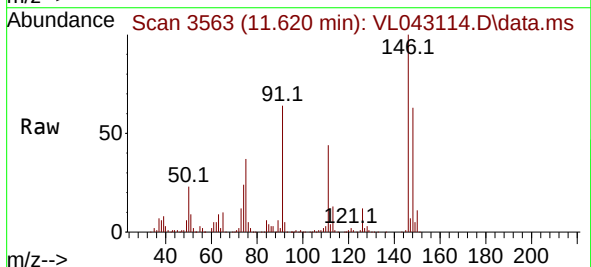
Tgt Ion: 119 Resp: 525334
Ion Ratio Lower Upper
119 100
91 83.2 63.4 95.0
134 21.4 17.3 25.9

Manual Integrations
APPROVED

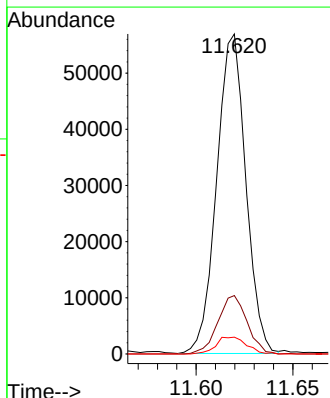
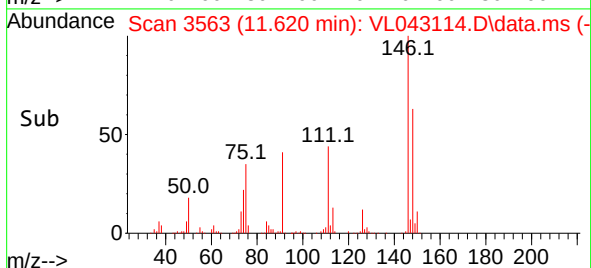
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

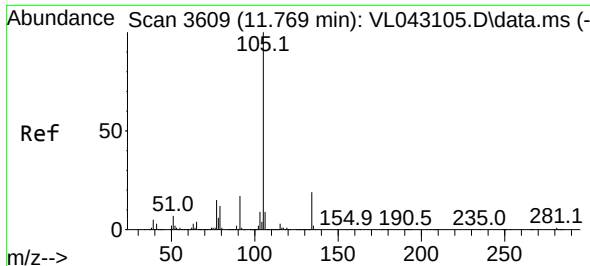


#66
Benzyl Chloride
Concen: 8.583 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43



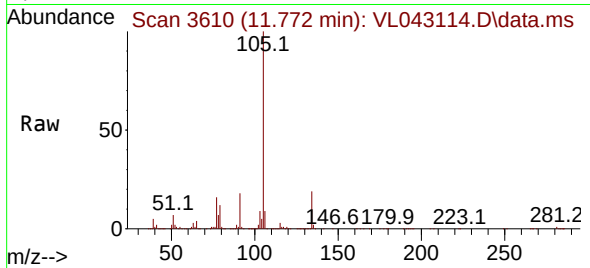
Tgt Ion: 91 Resp: 59531
Ion Ratio Lower Upper
91 100
126 18.3 14.6 22.0
128 5.5 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 8.600 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.003 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

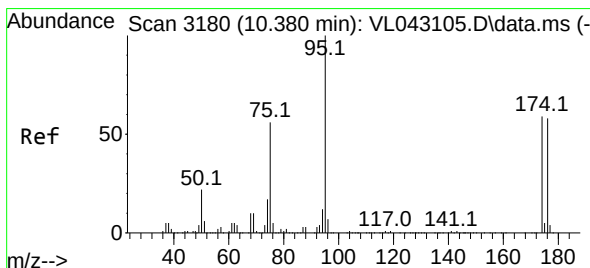
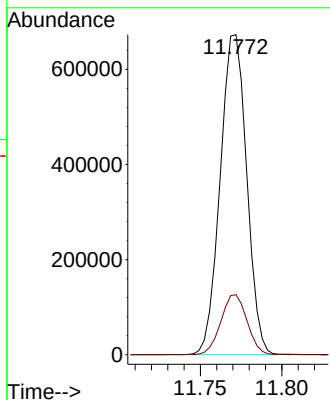
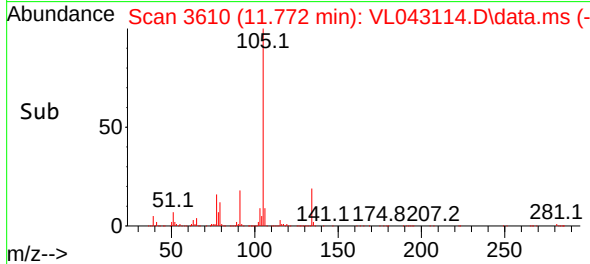
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010



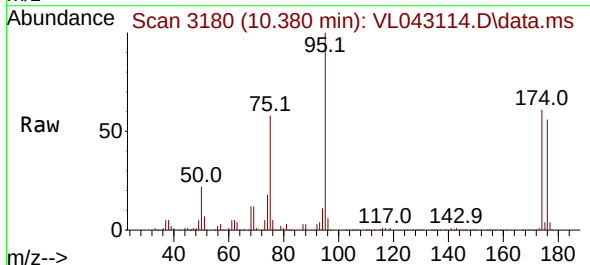
Tgt Ion:105 Resp: 760584
 Ion Ratio Lower Upper
 105 100
 134 18.5 15.5 23.3

Manual Integrations
 APPROVED

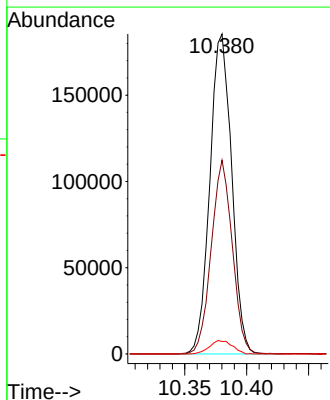
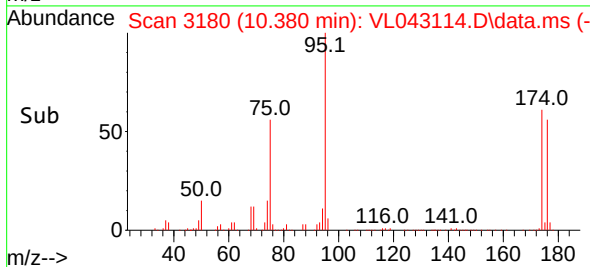
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025

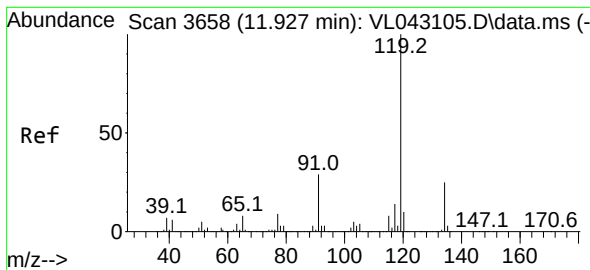


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.118 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43



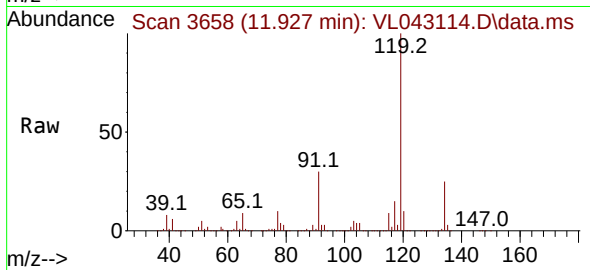
Tgt Ion: 95 Resp: 227182
 Ion Ratio Lower Upper
 95 100
 174 58.5 48.3 72.5
 175 4.4 3.8 5.8





#69
p-Isopropyltoluene
Concen: 8.513 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

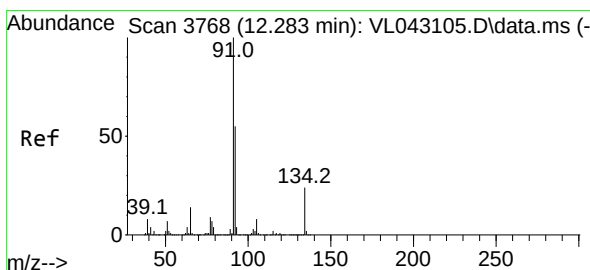
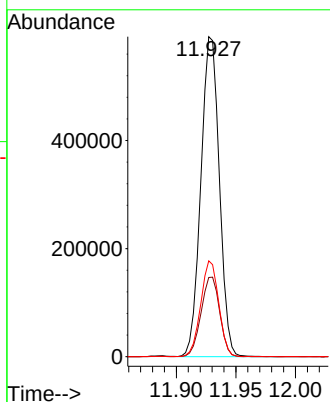
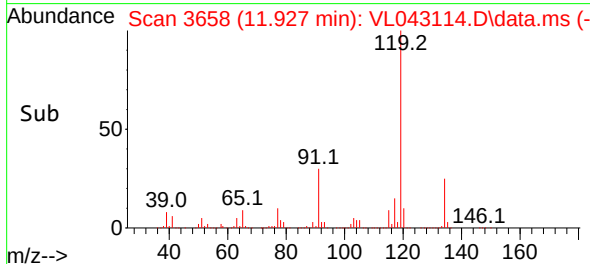
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



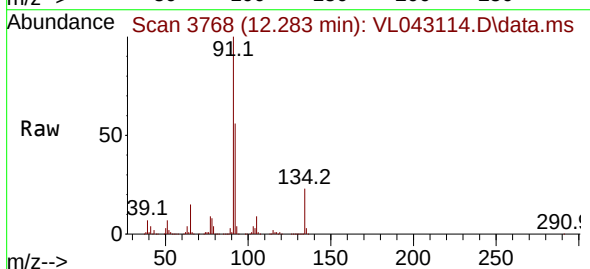
Tgt Ion:119 Resp: 639817
Ion Ratio Lower Upper
119 100
134 25.2 20.3 30.5
91 29.3 22.6 33.8

Manual Integrations
APPROVED

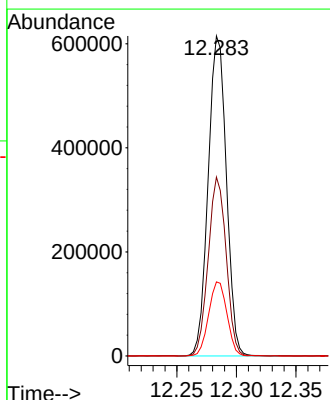
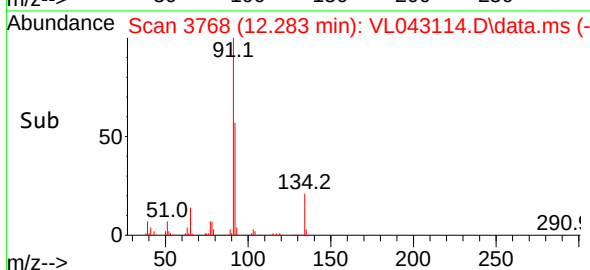
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

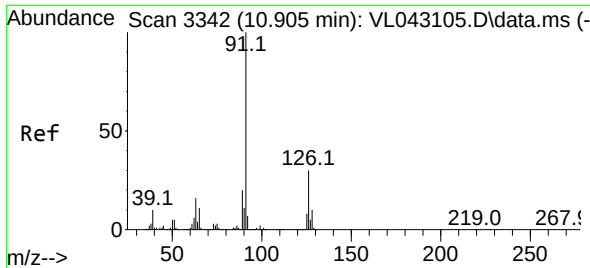


#70
n-Butylbenzene
Concen: 8.825 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43



Tgt Ion: 91 Resp: 653616
Ion Ratio Lower Upper
91 100
92 55.3 44.5 66.7
134 23.3 19.3 28.9





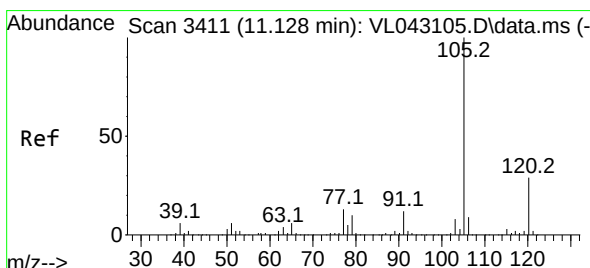
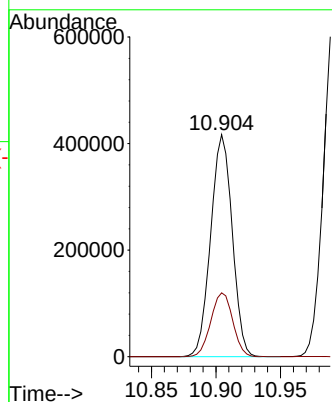
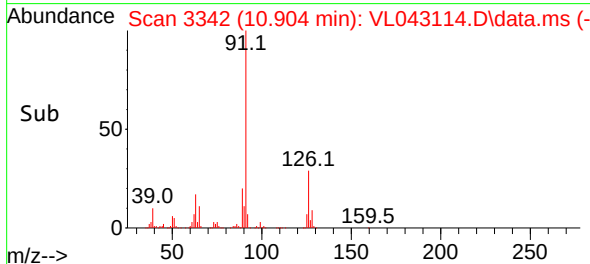
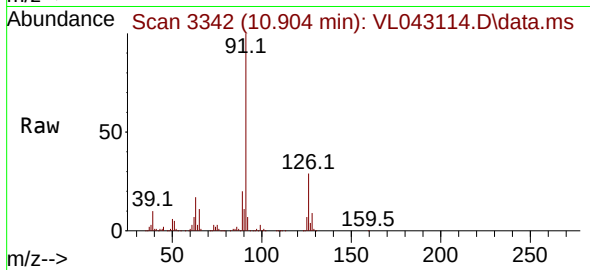
#71
2-Chlorotoluene
Concen: 8.976 ppbv
RT: 10.904 min Scan# 311
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 48314
Ion Ratio Lower Upper
91 100
126 29.2 12.0 48.0

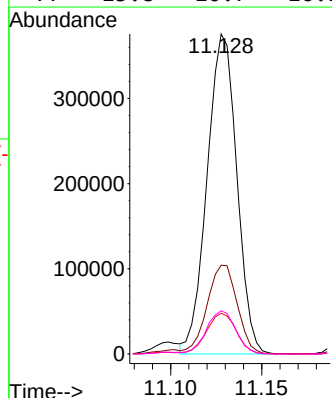
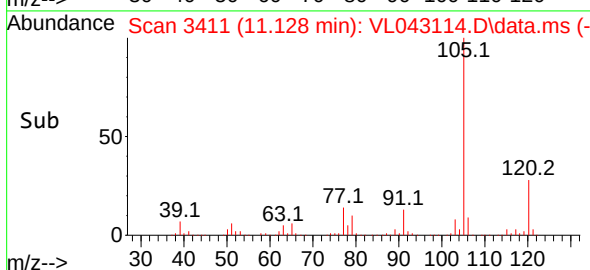
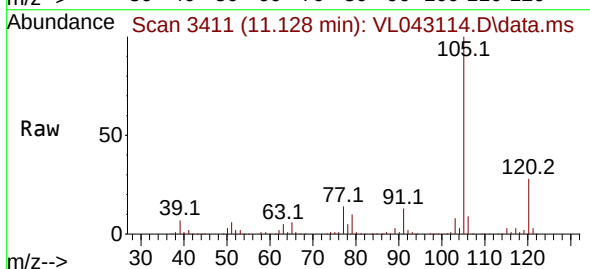
Manual Integrations
APPROVED

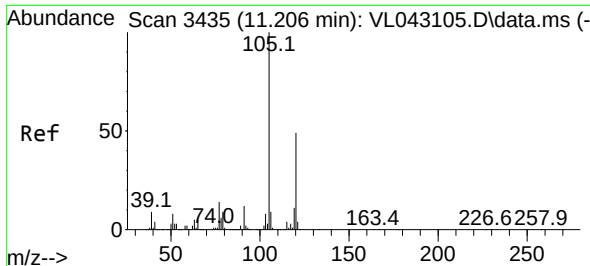
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#72
4-Ethyltoluene
Concen: 8.896 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

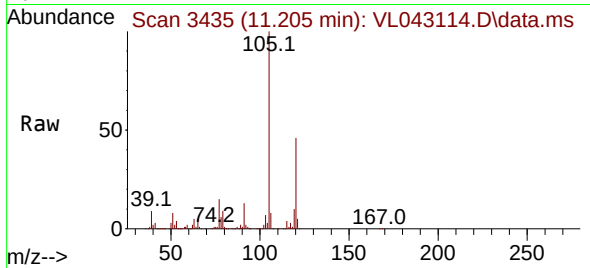
Tgt Ion:105 Resp: 427201
Ion Ratio Lower Upper
105 100
120 29.2 24.2 36.4
91 13.1 10.0 15.0
77 13.8 10.7 16.1





#73
 1,3,5-Trimethylbenzene
 Concen: 8.945 ppbv
 RT: 11.205 min Scan# 3435
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

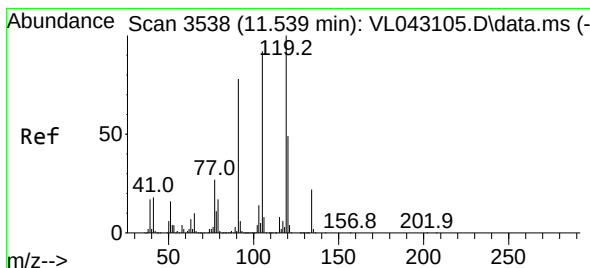
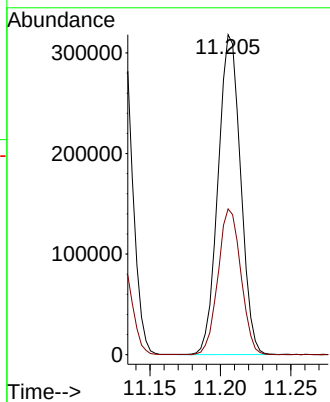
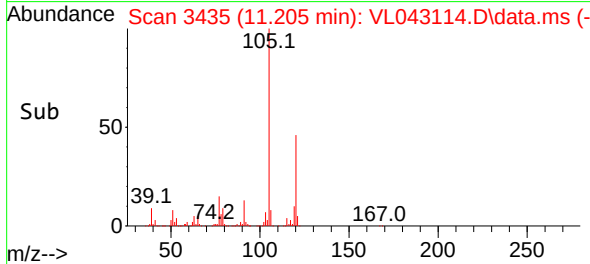
Instrument : MSVOA_L
 ClientSampleId : VSTDCCC010



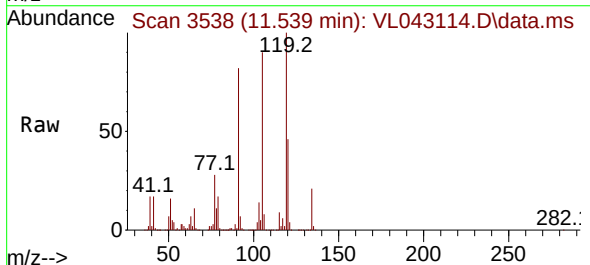
Tgt Ion:105 Resp: 354264
 Ion Ratio Lower Upper
 105 100
 120 45.6 39.0 58.6

Manual Integrations
 APPROVED

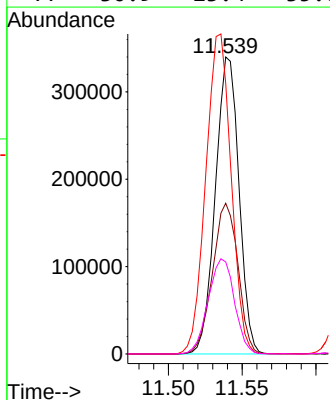
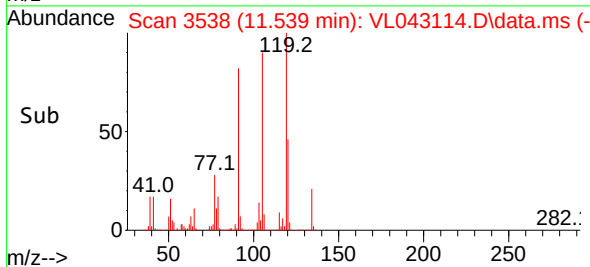
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025

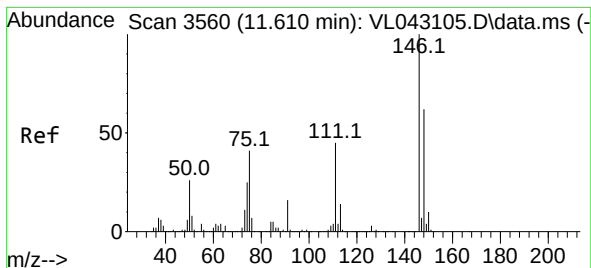


#74
 1,2,4-Trimethylbenzene
 Concen: 8.537 ppbv
 RT: 11.539 min Scan# 3538
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43



Tgt Ion:105 Resp: 378357
 Ion Ratio Lower Upper
 105 100
 120 50.7 42.8 64.2
 91 91.0 68.3 102.5
 77 30.9 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 8.587 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

ClientSampleId :

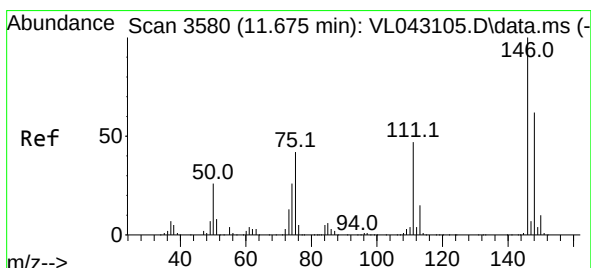
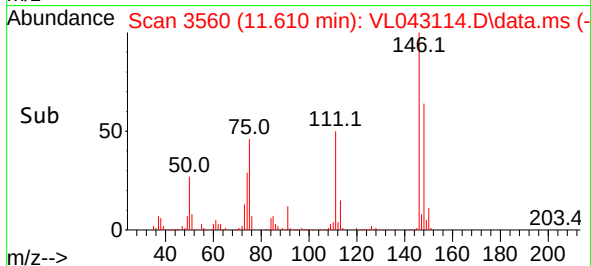
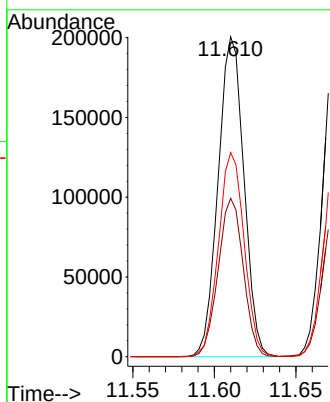
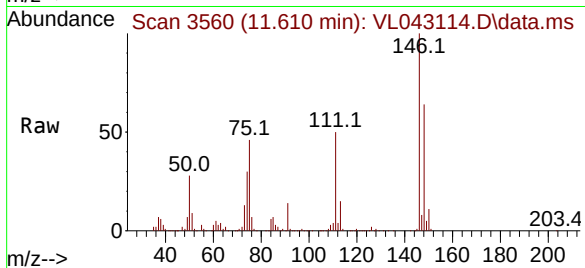
VSTDCCC010

Tgt Ion:146 Resp: 220714
 Ion Ratio Lower Upper
 146 100
 111 48.2 23.3 69.9
 148 63.5 31.6 95.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#76

1,4-Dichlorobenzene

Concen: 8.750 ppbv

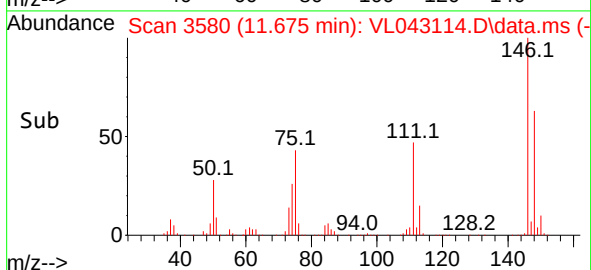
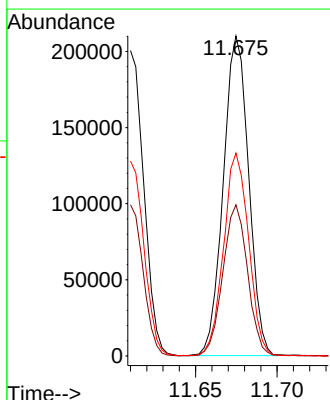
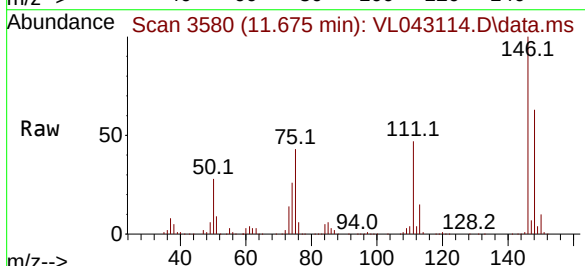
RT: 11.675 min Scan# 3580

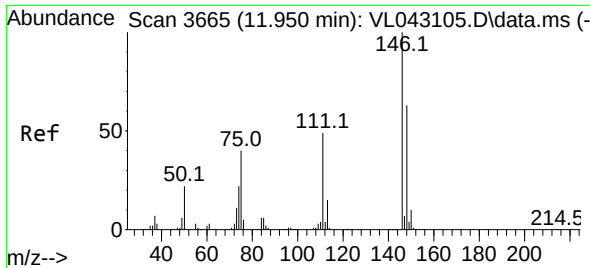
Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

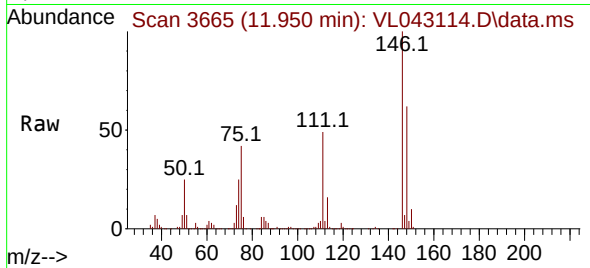
Tgt Ion:146 Resp: 226777
 Ion Ratio Lower Upper
 146 100
 111 46.4 22.4 67.0
 148 63.0 31.6 94.7





#77
1,2-Dichlorobenzene
Concen: 8.460 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

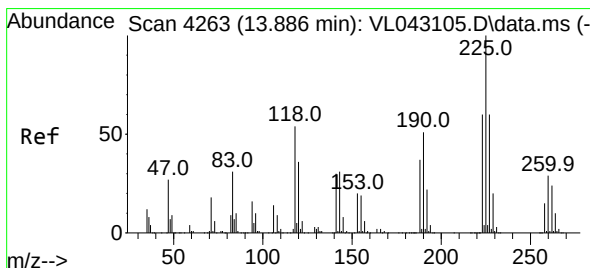
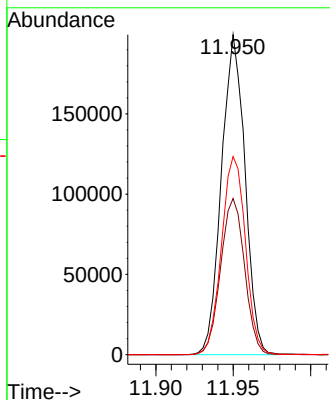
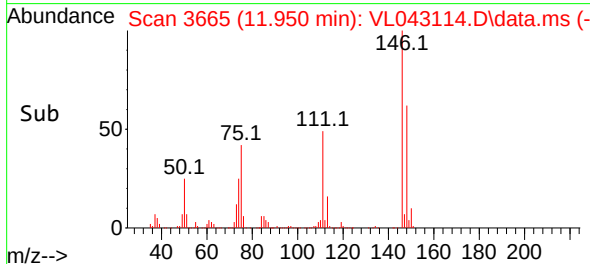
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



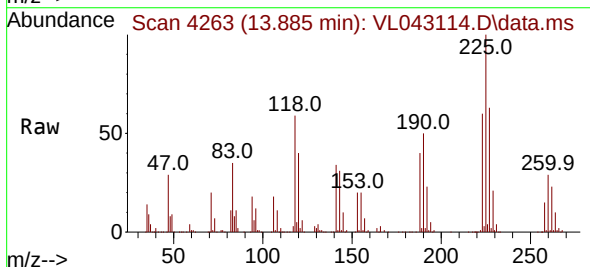
Tgt Ion:146 Resp: 210381
Ion Ratio Lower Upper
146 100
111 49.8 24.0 72.0
148 63.3 31.1 93.3

Manual Integrations
APPROVED

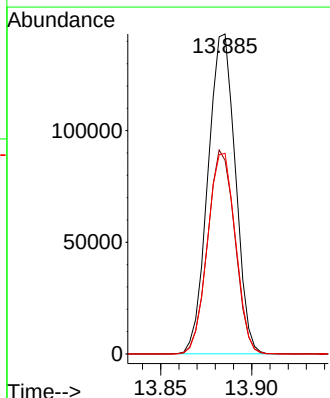
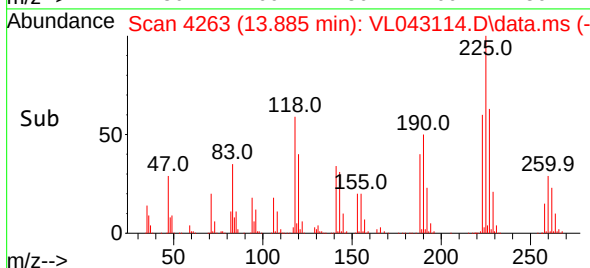
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

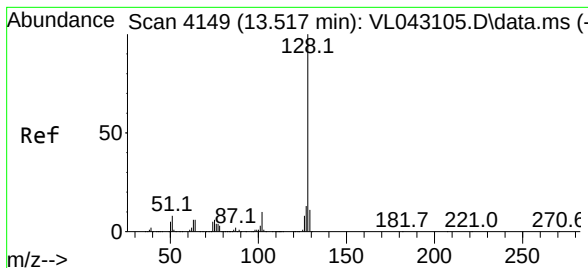


#78
Hexachloro-1,3-Butadiene
Concen: 7.784 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43



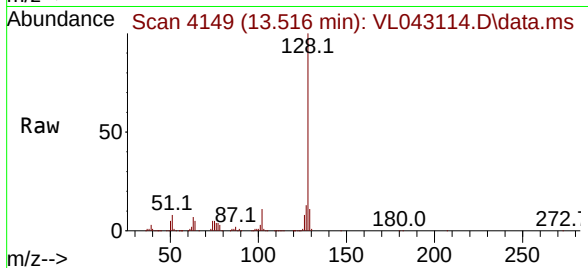
Tgt Ion:225 Resp: 149878
Ion Ratio Lower Upper
225 100
223 63.3 50.2 75.4
227 63.9 49.6 74.4





#79
Naphthalene
Concen: 9.238 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

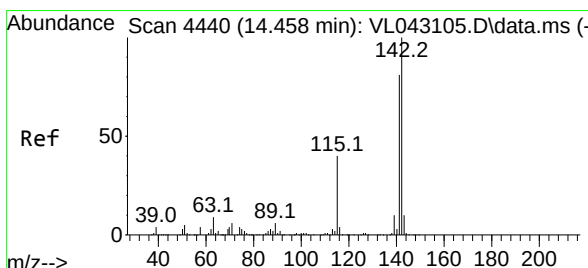
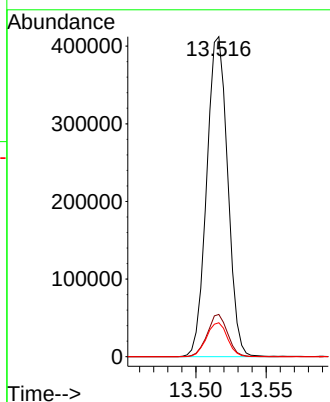
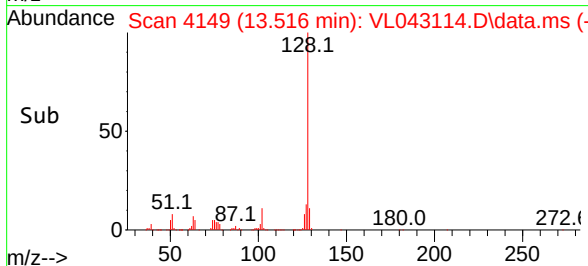
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



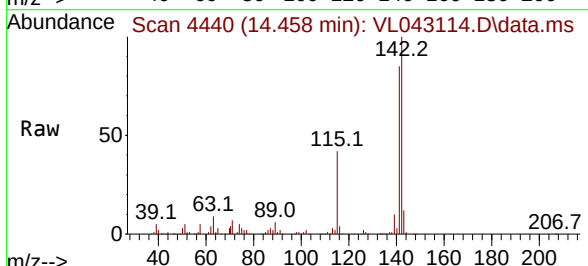
Tgt Ion:128 Resp: 427928
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.6 9.1 13.7

Manual Integrations
APPROVED

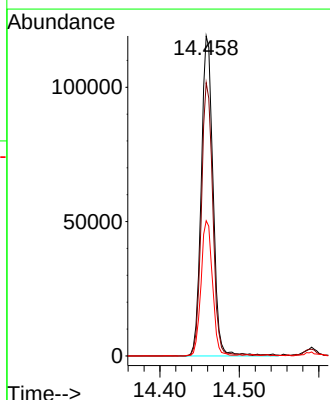
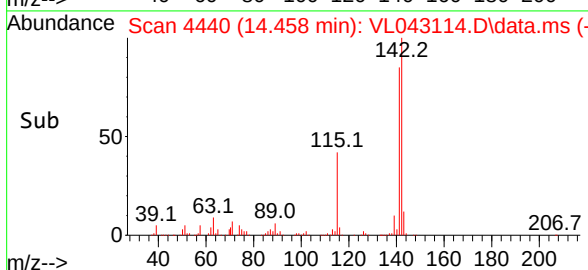
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

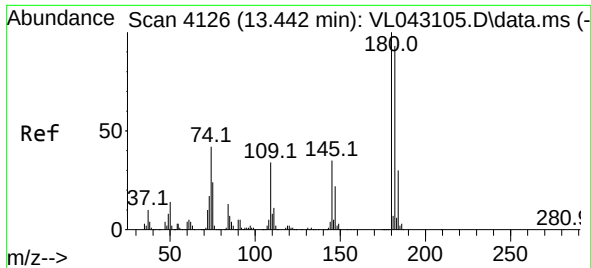


#80
Naphthalene,2-methyl-
Concen: 10.225 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43



Tgt Ion:142 Resp: 123398
Ion Ratio Lower Upper
142 100
141 83.4 64.6 97.0
115 42.0 30.2 45.4





#81

1,2,4-Trichlorobenzene

Concen: 8.789 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL043114.D

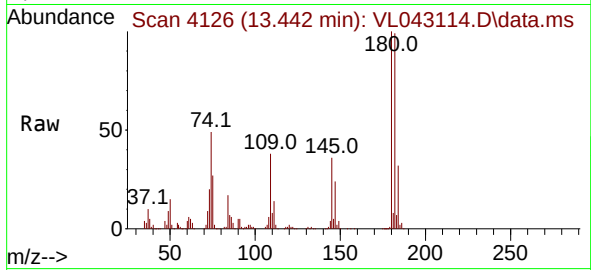
Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 168979

Ion Ratio Lower Upper

180 100

182 95.6 75.5 113.3

184 30.7 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/17/2025

