

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043105.D
 Acq On : 14 Oct 2025 10:31
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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

Quant Time: Oct 15 01:51:07 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 01:49:43 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	103971	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	341790	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	309230	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 241468 10.046 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	132845	8.987	ppbv	100
3) Chlorodifluoromethane	1.476	51	150832	9.431	ppbv	100
4) Chloromethane	1.535	50	51934	8.869	ppbv	100
5) Vinyl Chloride	1.583	62	50044	8.713	ppbv	100
6) Bromomethane	1.671	94	27062	8.593	ppbv	100
7) Chloroethane	1.706	64	19941	8.492	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	108109	9.049	ppbv	100
9) Propene	1.483	41	68116	9.602	ppbv	100
10) Heptane	4.985	43	187423	9.217	ppbv	100
11) Trichlorofluoromethane	1.881	101	129180	8.935	ppbv	100
12) 1,1,2-Trichlorotrifluoro...	2.143	101	101442	8.715	ppbv	100
13) Ethanol	1.722	45	20045	7.640	ppbv	100
14) Bromoethene	1.784	108	38553	8.916	ppbv	100
15) Acetone	1.836	43	113399	8.047	ppbv	100
16) 1,3-Butadiene	1.612	39	57406	8.596	ppbv	100
17) tert-Butyl alcohol	2.043	59	175630	9.130	ppbv	100
18) 1,1-Dichloroethene	2.036	96	45413	8.949	ppbv	100
19) Isopropyl Alcohol	1.887	45	75355	8.634	ppbv	97
20) Methylene Chloride	2.065	84	42212	7.620	ppbv	100
21) Allyl Chloride	2.098	41	94625	9.145	ppbv	100
22) trans-1,2-Dichloroethene	2.344	96	53146	8.761	ppbv	100
23) Vinyl Acetate	2.467	43	168706	8.218	ppbv	100
24) 1,1-Dichloroethane	2.412	63	107153	9.143	ppbv	100
25) Ethyl Acetate	2.839	43	325662	9.371	ppbv	100
26) Hexane	2.829	57	146168	9.128	ppbv	99
27) Carbon Disulfide	2.153	76	136729	9.319	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	61076	8.384	ppbv	98
29) Chloroform	2.852	83	211071	9.097	ppbv	100
30) Cyclohexane	3.862	84	126226	9.037	ppbv	100
31) cis-1,2-Dichloroethene	2.722	61	146072	9.553	ppbv	100
32) 1,1,1-Trichloroethane	3.373	97	222043	9.189	ppbv	100
34) 2-Butanone	2.557	43	207274	8.971	ppbv	100
35) Carbon Tetrachloride	3.768	117	221937	9.032	ppbv	100
36) Benzene	3.661	78	297653	9.246	ppbv	100
37) 1,2-Dichloroethane	3.221	62	165898	8.946	ppbv	100
38) Trichloroethene	4.554	130	116947	8.708	ppbv	100
39) 1,2-Dichloropropane	4.315	63	108446	9.207	ppbv	100
40) 1,4-Dioxane	4.583	88	48201	9.153	ppbv #	97
41) Tetrahydrofuran	3.056	42	117069	9.076	ppbv	100
42) Bromodichloromethane	4.496	83	238353	9.286	ppbv	100
43) Methyl Methacrylate	4.881	69	153927	9.371	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	499148	9.273	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	157856	9.620	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043105.D
 Acq On : 14 Oct 2025 10:31
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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

Quant Time: Oct 15 01:51:07 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 01:49:43 2025

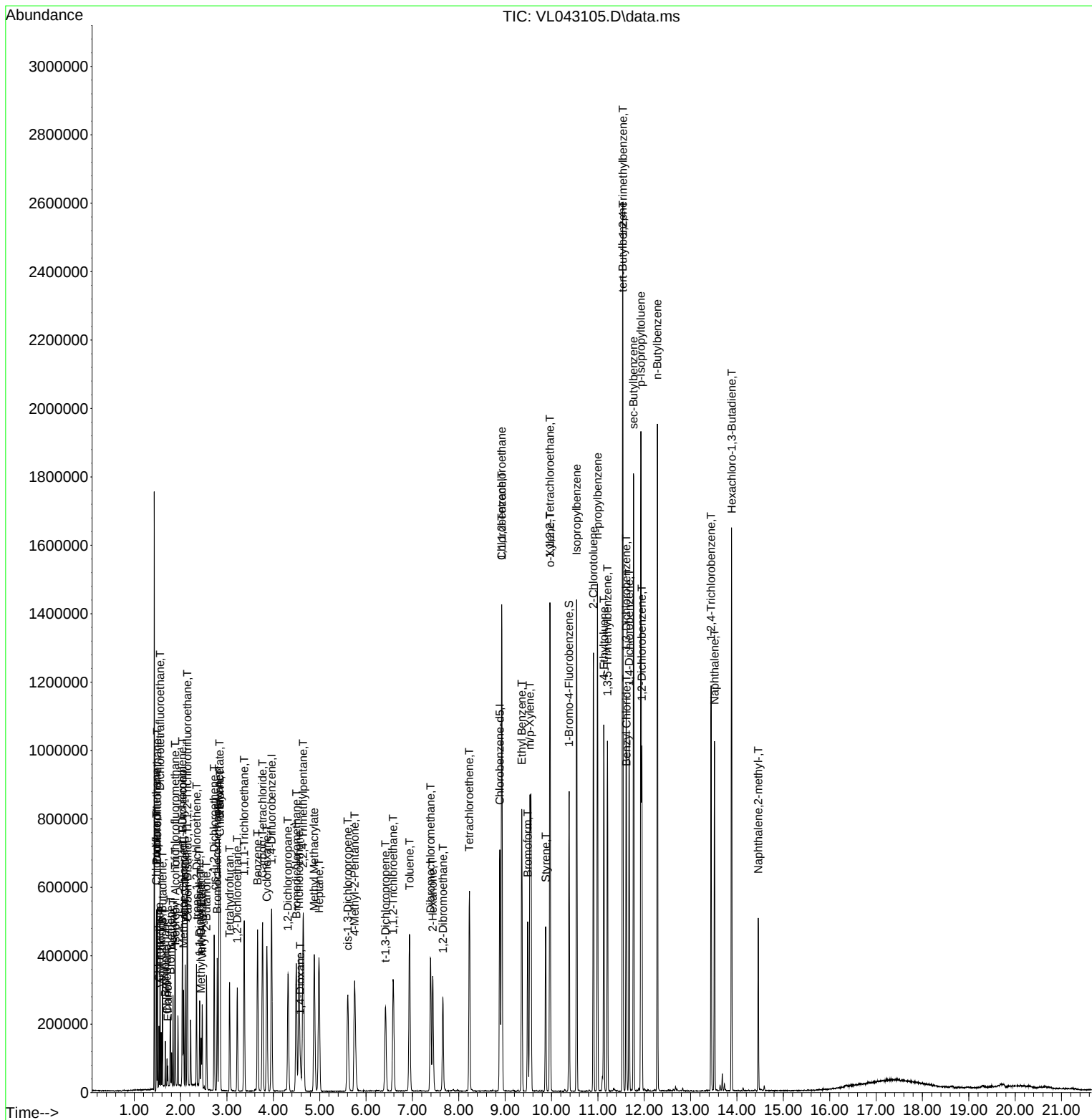
Response via : Initial Calibration

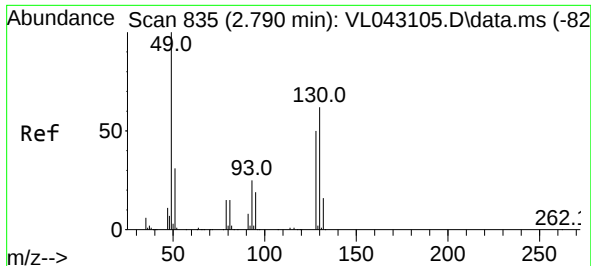
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	186533	9.525	ppbv	100
47) 1,1,2-Trichloroethane	6.584	97	115419	9.082	ppbv	100
48) Dibromochloromethane	7.390	129	201349	9.476	ppbv	100
49) Bromoform	9.487	173	166377	9.633	ppbv	100
50) 4-Methyl-2-Pentanone	5.755	43	298401	9.362	ppbv	100
51) 2-Hexanone	7.438	43	236391	9.940	ppbv	100
52) Tetrachloroethene	8.228	164	106710	9.192	ppbv	100
53) Toluene	6.940	91	354007	9.266	ppbv	100
54) 1,2-Dibromoethane	7.658	107	182074	9.080	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.927	131	182585	9.367	ppbv	100
57) Chlorobenzene	8.927	112	262566	9.076	ppbv	100
58) Ethyl Benzene	9.358	91	494344	9.241	ppbv	100
59) m/p-Xylene	9.536	91	765374m	18.067	ppbv	
60) o-Xylene	9.969	91	378462	9.053	ppbv	100
61) Styrene	9.875	104	178859	9.477	ppbv	100
62) Isopropylbenzene	10.542	105	692992	9.173	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	240245	8.582	ppbv	100
64) n-propylbenzene	10.992	120	182233	9.112	ppbv	100
65) tert-Butylbenzene	11.536	119	587750	8.810	ppbv	100
66) Benzyl Chloride	11.617	91	74574	10.009	ppbv	100
67) sec-Butylbenzene	11.769	105	834052	8.809	ppbv	100
69) p-Isopropyltoluene	11.927	119	720433	8.955	ppbv	100
70) n-Butylbenzene	12.283	91	717743	9.053	ppbv	100
71) 2-Chlorotoluene	10.905	91	524961	9.111	ppbv	100
72) 4-Ethyltoluene	11.128	105	473042	9.202	ppbv	100
73) 1,3,5-Trimethylbenzene	11.206	105	389818	9.195	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	411619	8.676	ppbv	100
75) 1,3-Dichlorobenzene	11.610	146	252926	9.192	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	254461	9.171	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	236724	8.893	ppbv	100
78) Hexachloro-1,3-Butadiene	13.886	225	171777	8.334	ppbv	100
79) Naphthalene	13.517	128	488672	9.972	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	147897	11.431	ppbv	100
81) 1,2,4-Trichlorobenzene	13.442	180	197210	9.582	ppbv	100

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

Manual Integrations

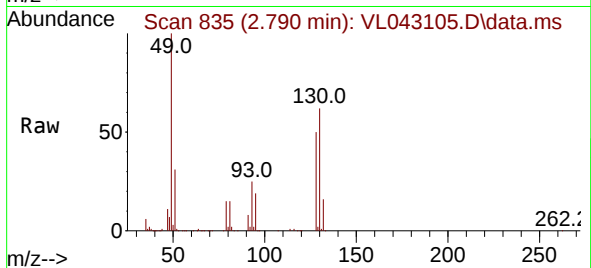
Quant Time: Oct 15 01:51:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

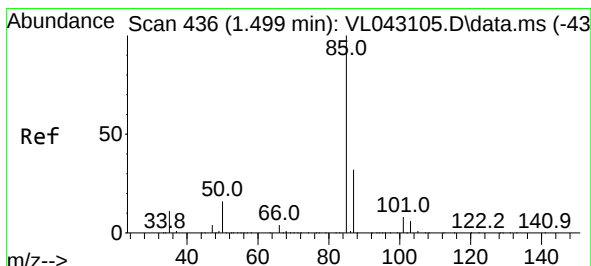
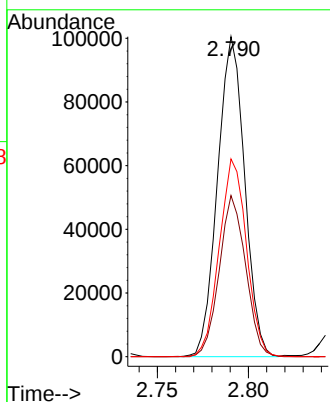
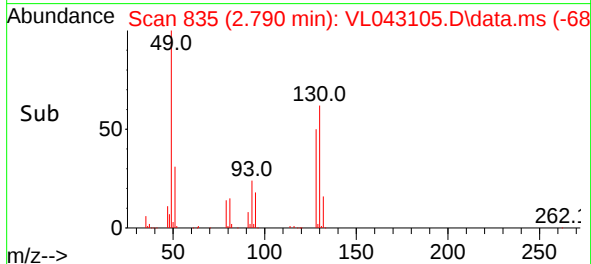
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



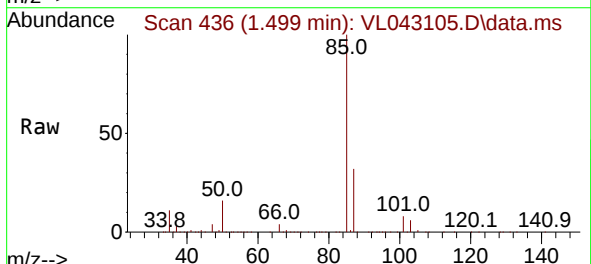
Tgt Ion: 49 Resp: 10397
Ion Ratio Lower Upper
49 100
128 48.9 24.4 73.4
130 62.0 31.0 93.0

Manual Integrations
APPROVED

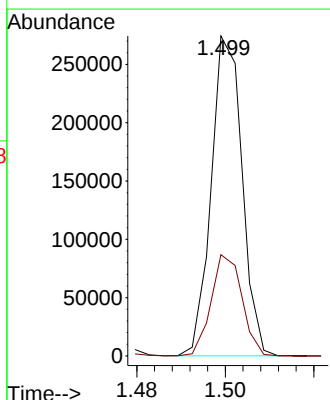
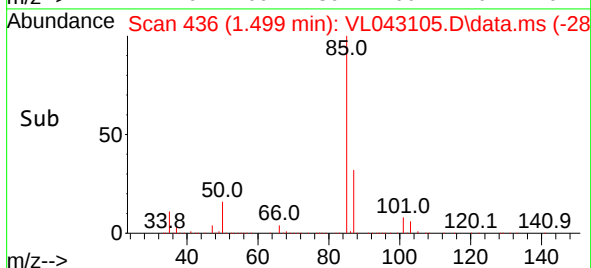
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

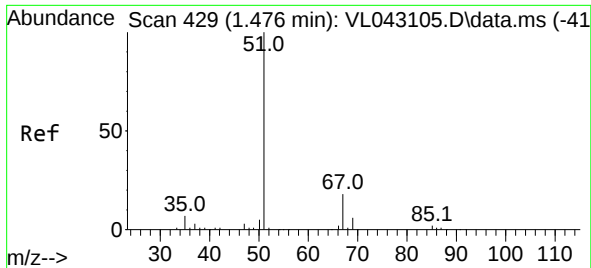


#2
Dichlorodifluoromethane
Concen: 8.987 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31



Tgt Ion: 85 Resp: 132845
Ion Ratio Lower Upper
85 100
87 31.6 25.3 37.9





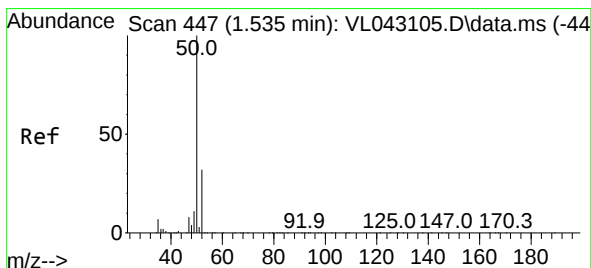
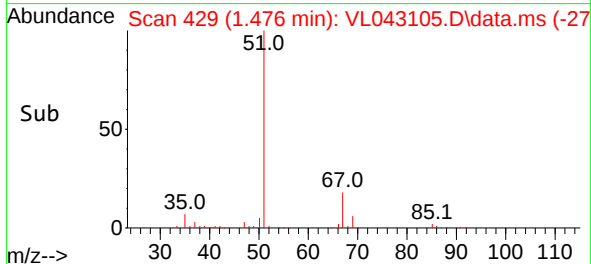
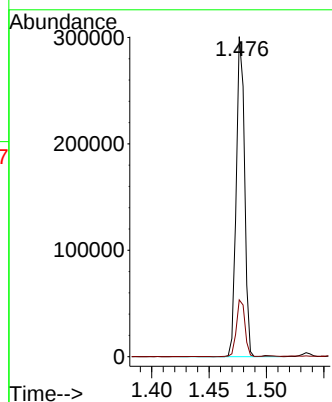
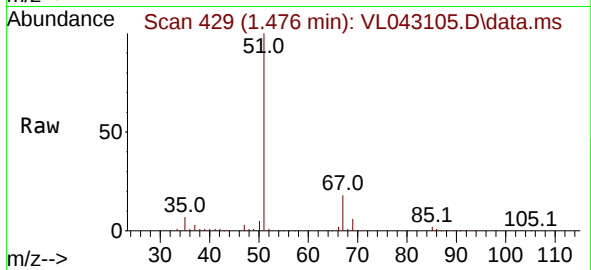
#3
Chlorodifluoromethane
Concen: 9.431 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 150832
Ion Ratio Lower Upper
51 100
67 18.9 15.1 22.7

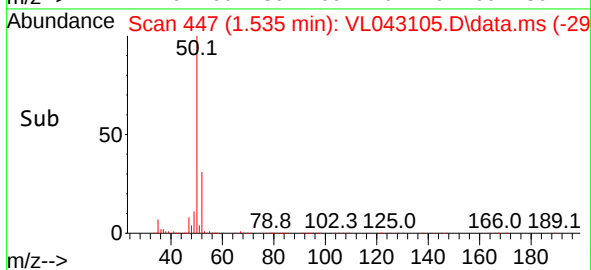
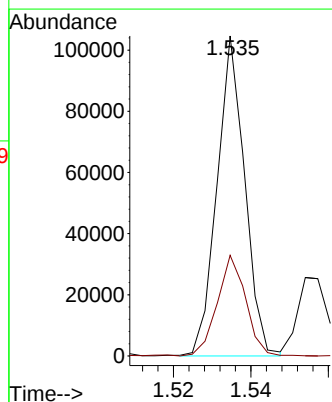
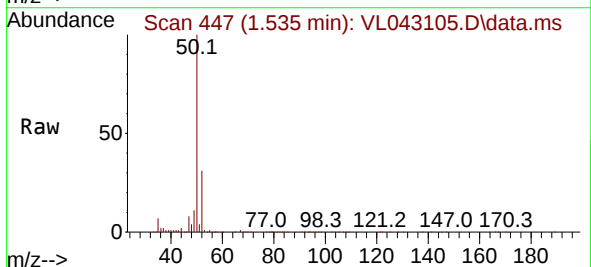
Manual Integrations
APPROVED

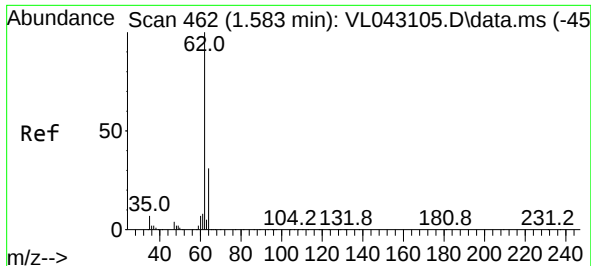
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#4
Chloromethane
Concen: 8.869 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

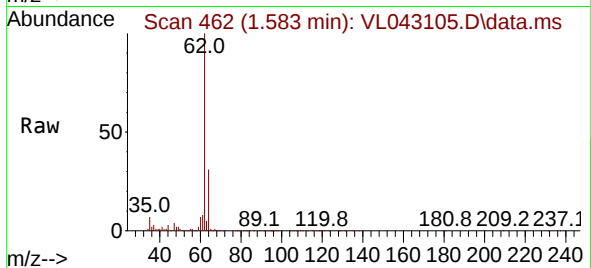
Tgt Ion: 50 Resp: 51934
Ion Ratio Lower Upper
50 100
52 31.5 25.2 37.8





#5
 Vinyl Chloride
 Concen: 8.713 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL043105.D
 Acq: 14 Oct 2025 10:31

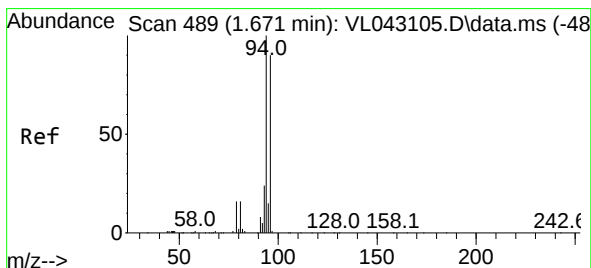
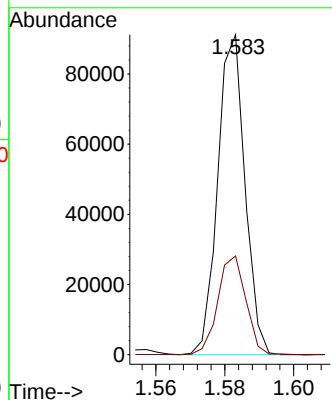
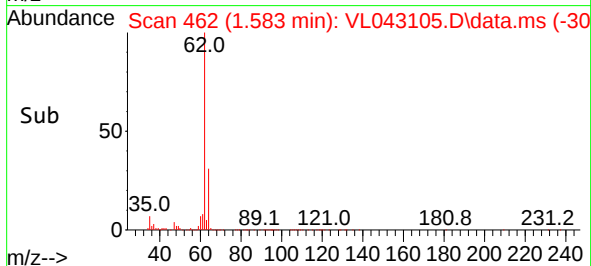
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



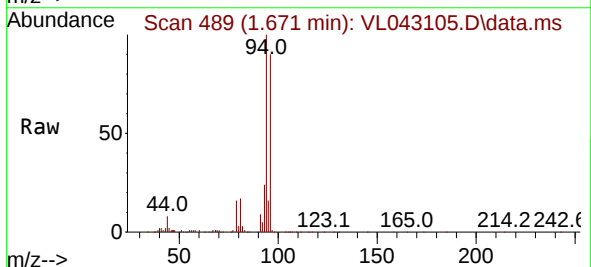
Tgt Ion: 62 Resp: 50044
 Ion Ratio Lower Upper
 62 100
 64 30.7 24.6 36.8

Manual Integrations
 APPROVED

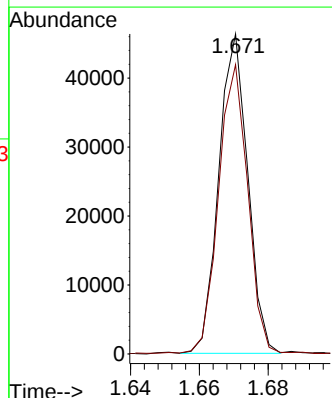
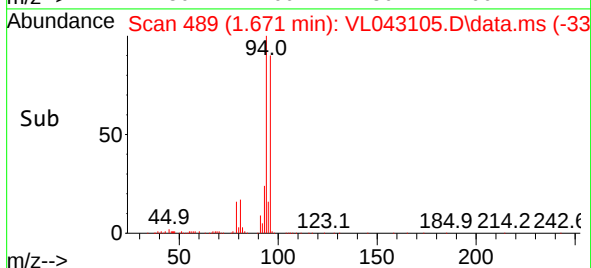
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

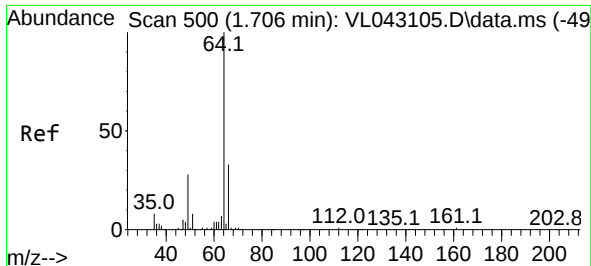


#6
 Bromomethane
 Concen: 8.593 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL043105.D
 Acq: 14 Oct 2025 10:31



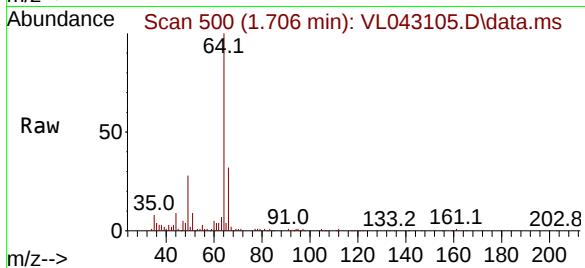
Tgt Ion: 94 Resp: 27062
 Ion Ratio Lower Upper
 94 100
 96 90.3 72.2 108.4





#7
Chloroethane
Concen: 8.492 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

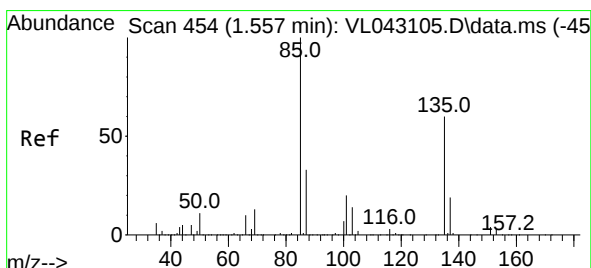
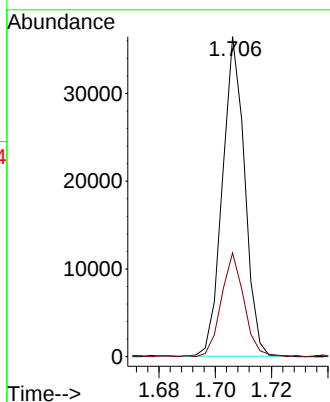
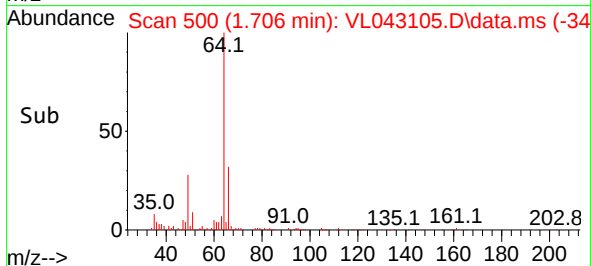
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 64 Resp: 1994
Ion Ratio Lower Upper
64 100
66 32.5 26.0 39.0

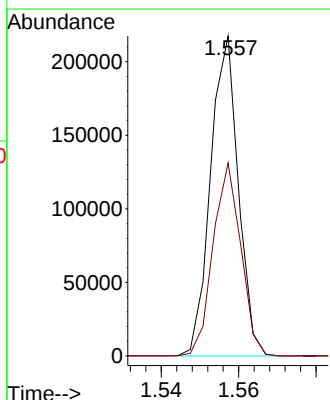
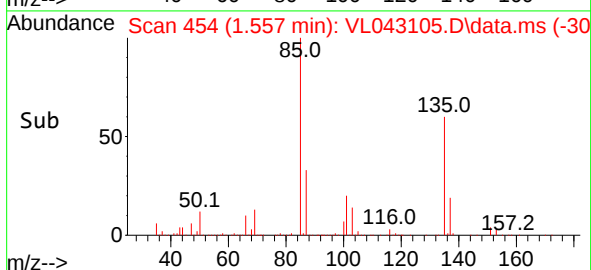
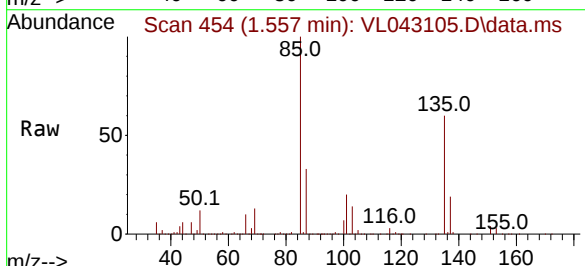
Manual Integrations
APPROVED

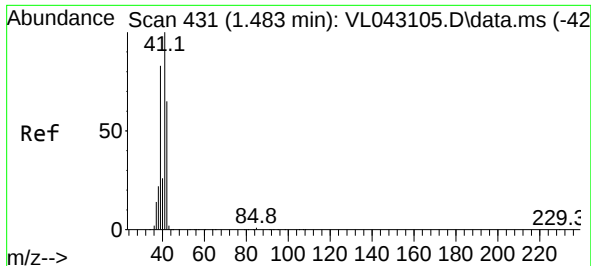
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#8
Dichlorotetrafluoroethane
Concen: 9.049 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

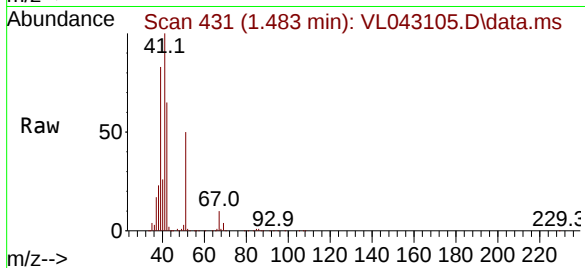
Tgt Ion: 85 Resp: 108109
Ion Ratio Lower Upper
85 100
135 60.3 48.2 72.4





#9
Propene
Concen: 9.602 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

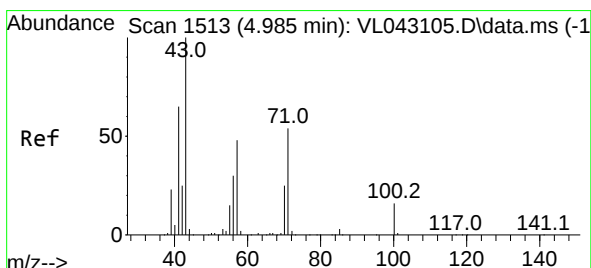
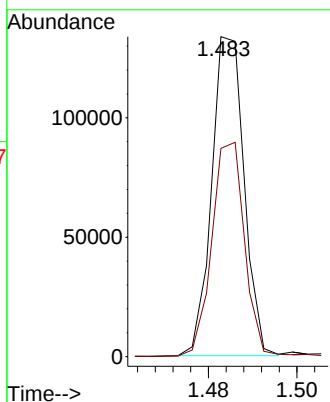
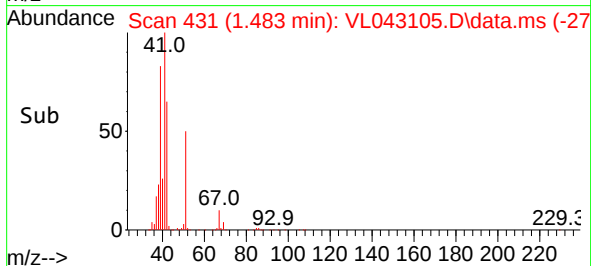
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 41 Resp: 68110
Ion Ratio Lower Upper
41 100
42 68.9 55.1 82.7

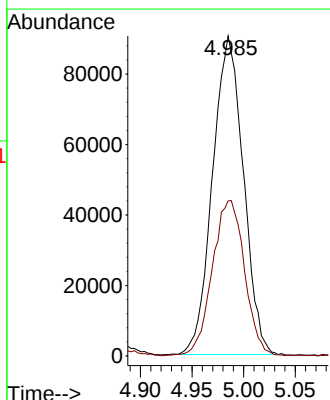
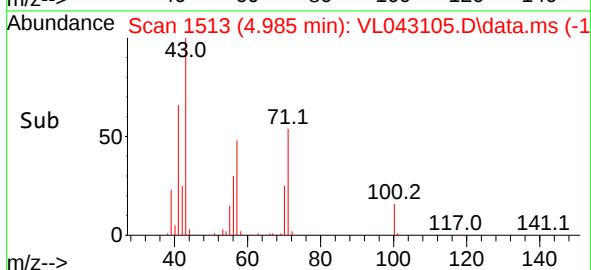
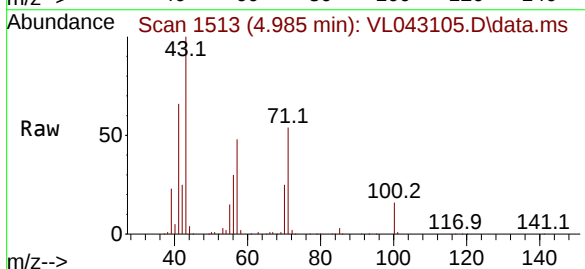
Manual Integrations
APPROVED

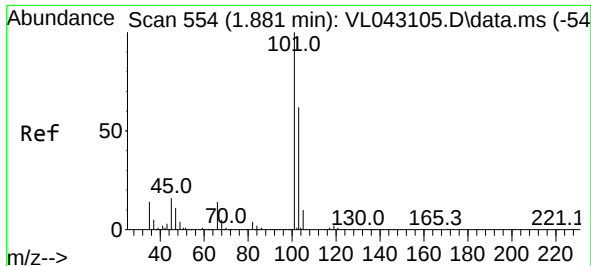
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#10
Heptane
Concen: 9.217 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

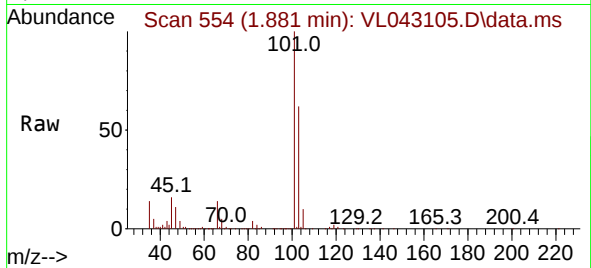
Tgt Ion: 43 Resp: 187423
Ion Ratio Lower Upper
43 100
57 50.9 40.8 61.2





#11
Trichlorofluoromethane
Concen: 8.935 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

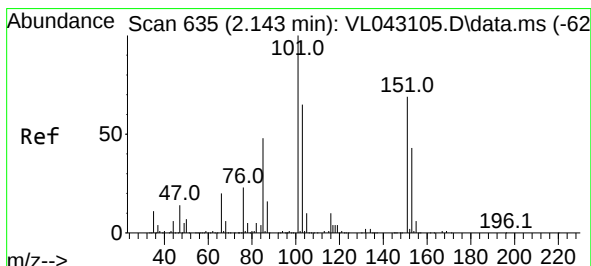
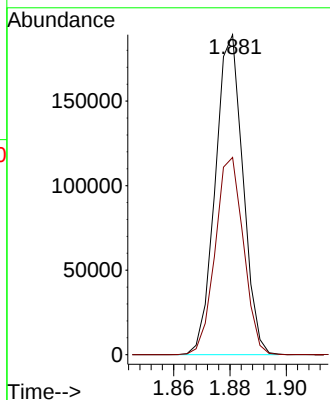
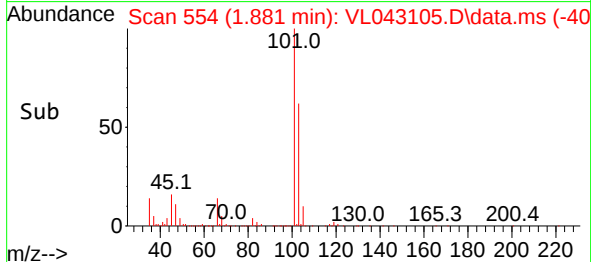
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



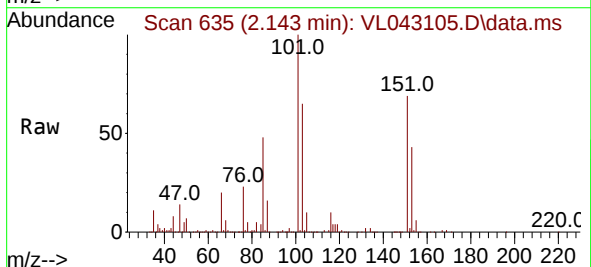
Tgt Ion:101 Resp: 129180
Ion Ratio Lower Upper
101 100
103 61.6 49.3 73.9

Manual Integrations
APPROVED

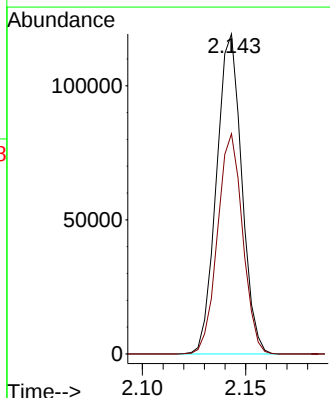
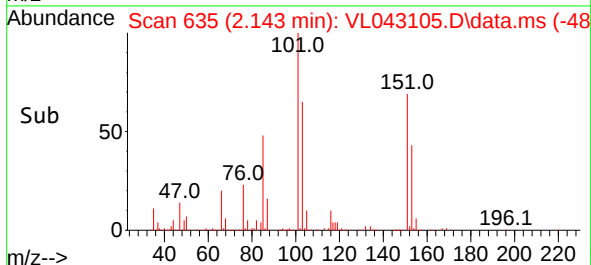
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

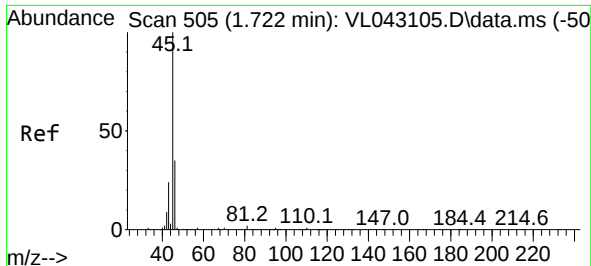


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.715 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31



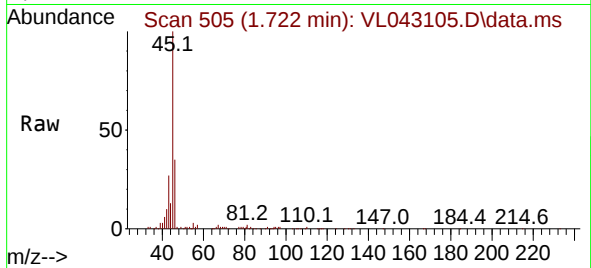
Tgt Ion:101 Resp: 101442
Ion Ratio Lower Upper
101 100
151 68.4 54.7 82.1





#13
Ethanol
Concen: 7.640 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

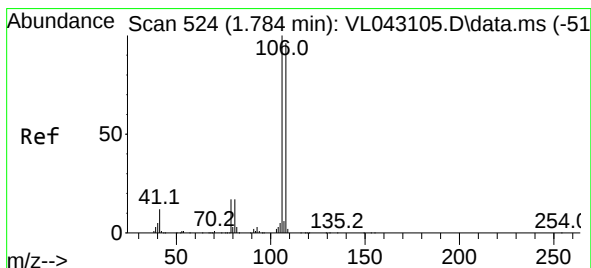
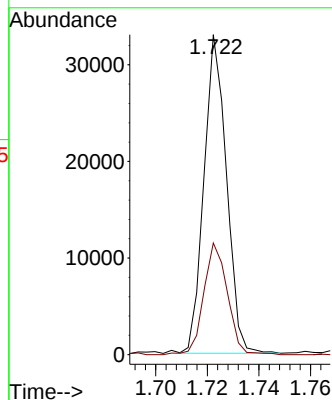
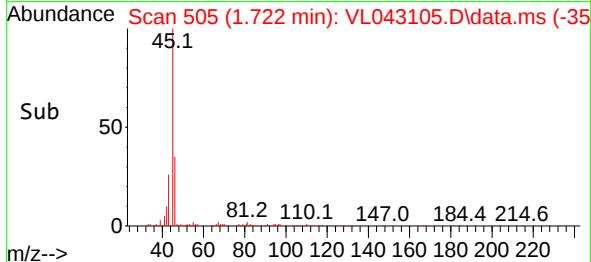
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



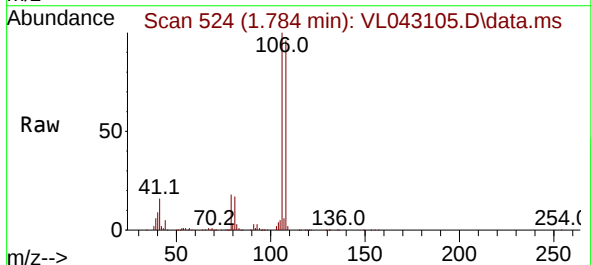
Tgt Ion: 45 Resp: 20045
Ion Ratio Lower Upper
45 100
46 36.8 14.7 58.9

Manual Integrations
APPROVED

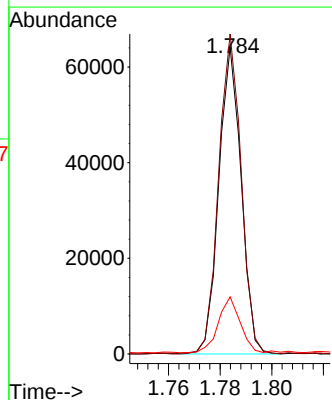
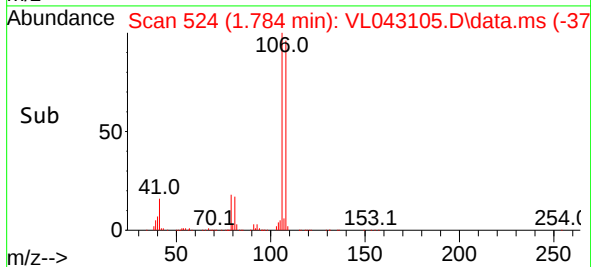
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

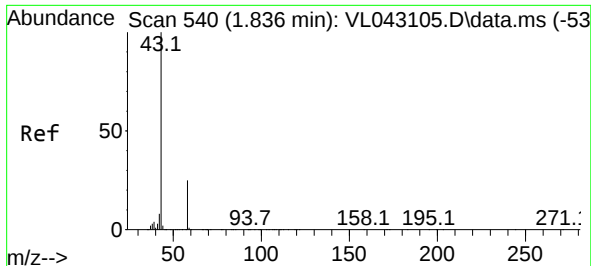


#14
Bromoethene
Concen: 8.916 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31



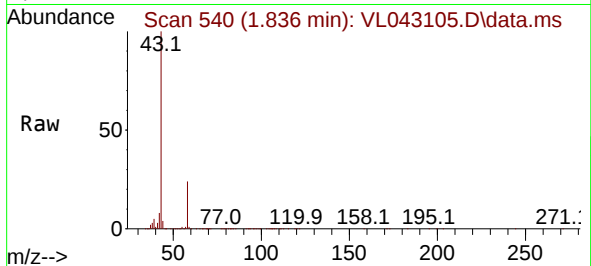
Tgt Ion:108 Resp: 38553
Ion Ratio Lower Upper
108 100
106 105.5 84.4 126.6
79 19.1 15.3 22.9





#15
Acetone
Concen: 8.047 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

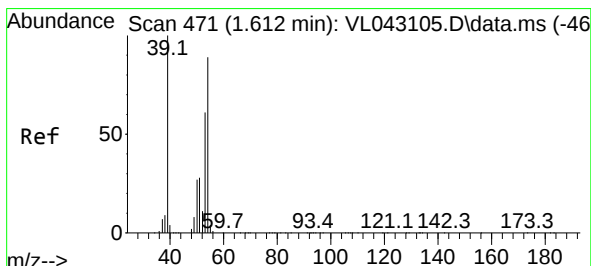
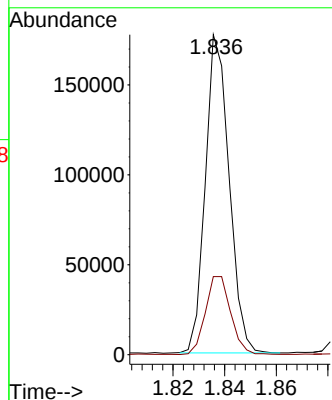
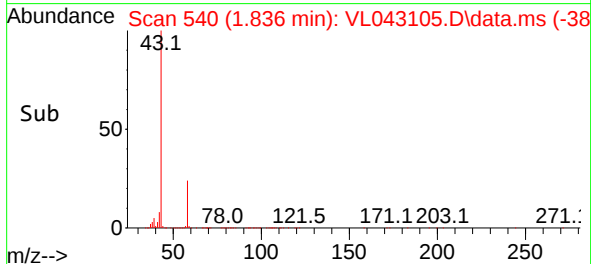
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



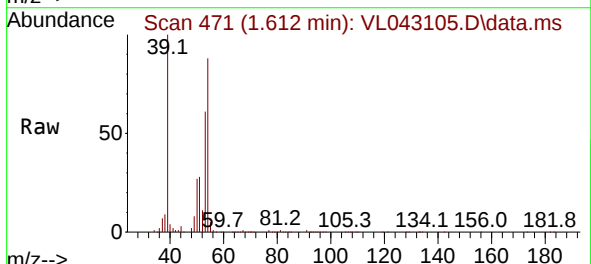
Tgt Ion: 43 Resp: 113399
Ion Ratio Lower Upper
43 100
58 26.0 20.8 31.2

Manual Integrations
APPROVED

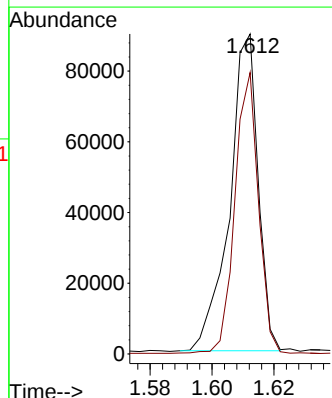
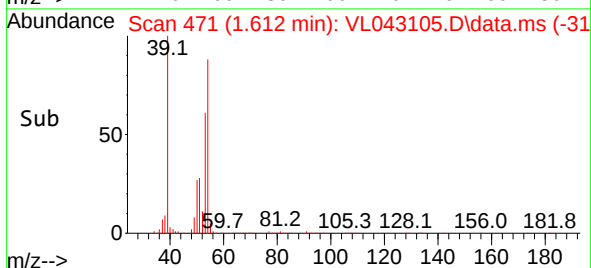
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

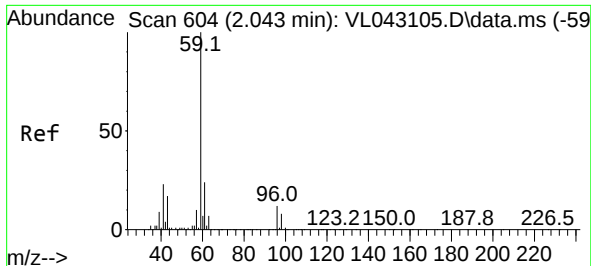


#16
1,3-Butadiene
Concen: 8.596 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31



Tgt Ion: 39 Resp: 57406
Ion Ratio Lower Upper
39 100
54 73.7 59.0 88.4





#17

tert-Butyl alcohol

Concen: 9.130 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 59 Resp: 175630

Ion Ratio Lower Upper

59 100

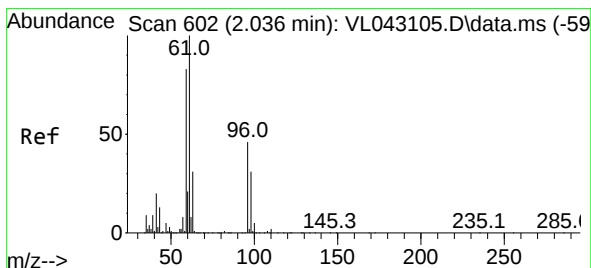
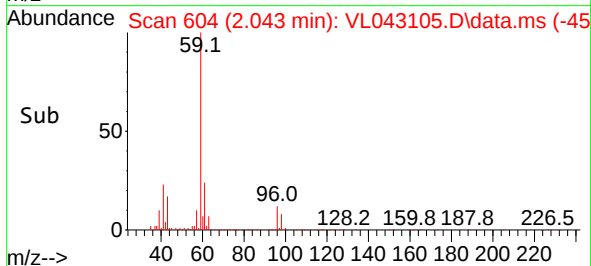
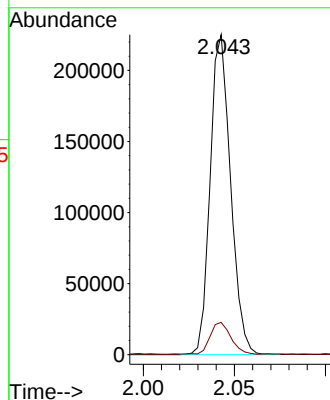
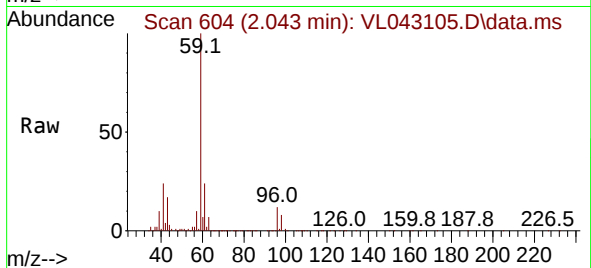
57 10.3 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#18

1,1-Dichloroethene

Concen: 8.949 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

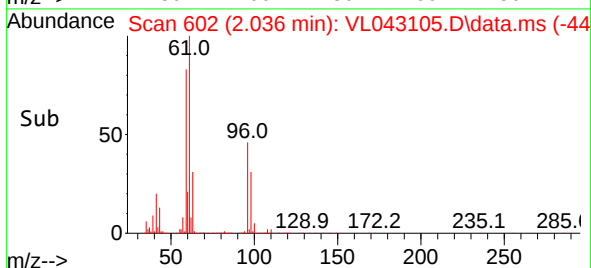
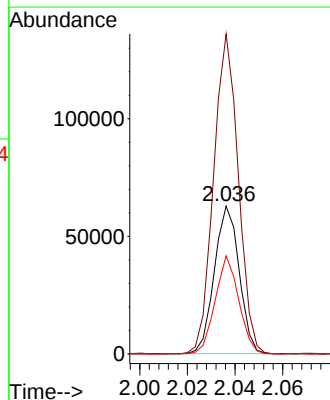
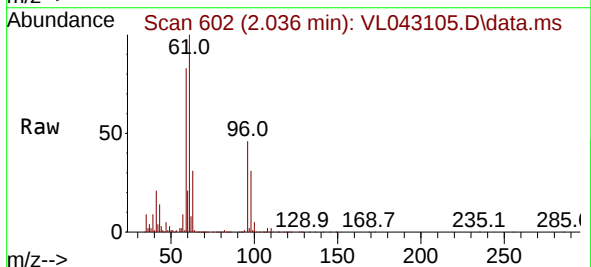
Tgt Ion: 96 Resp: 45413

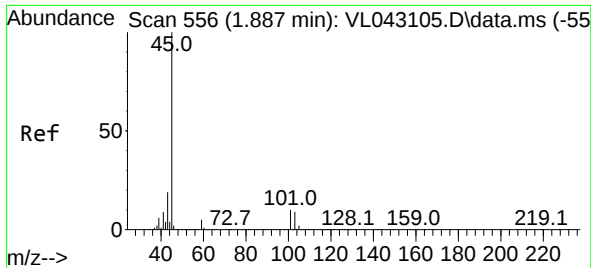
Ion Ratio Lower Upper

96 100

61 216.7 173.4 260.0

98 66.5 53.2 79.8





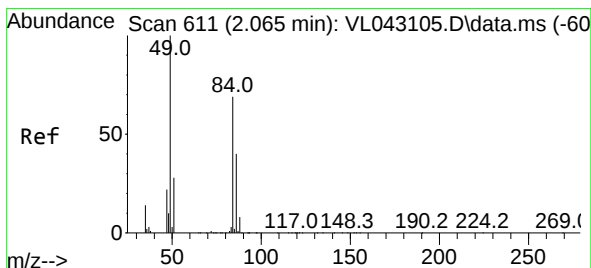
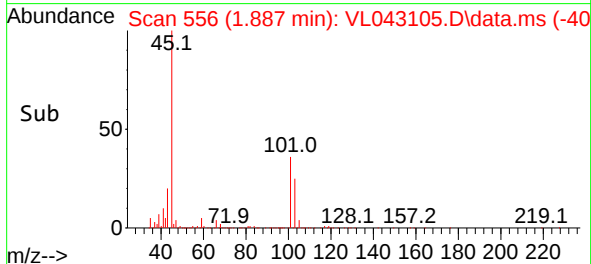
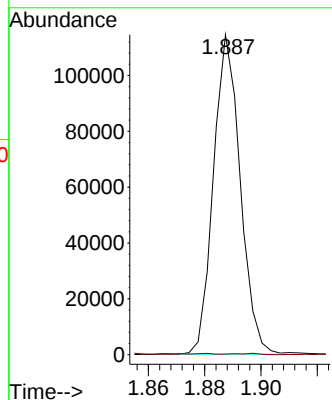
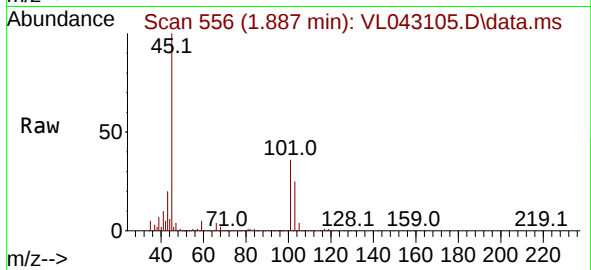
#19
Isopropyl Alcohol
Concen: 8.634 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 7535
Ion Ratio Lower Upper
45 100
58 41.1 31.3 46.9

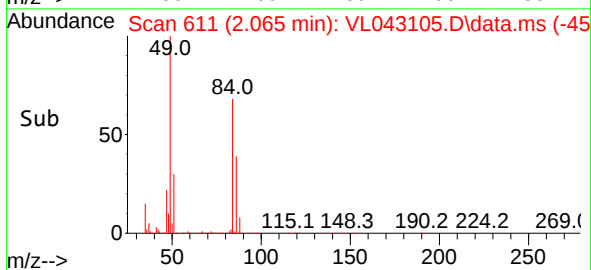
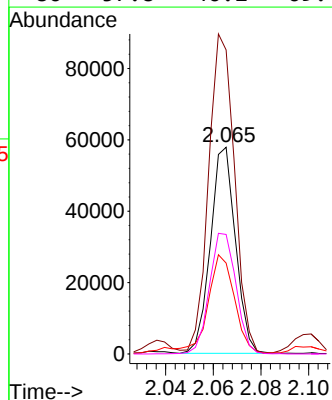
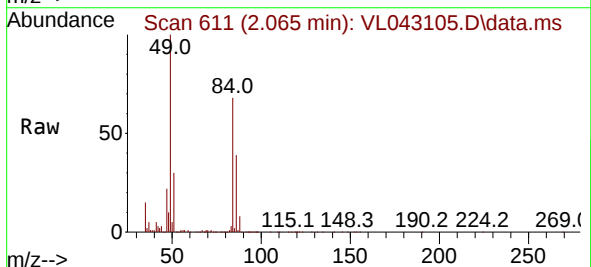
Manual Integrations
APPROVED

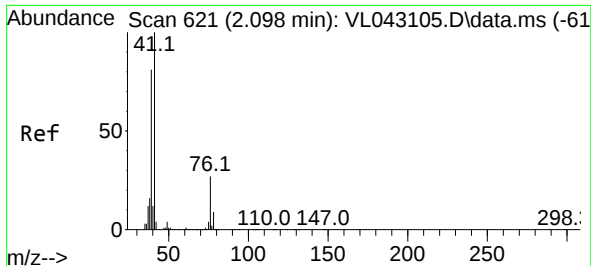
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#20
Methylene Chloride
Concen: 7.620 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 84 Resp: 42212
Ion Ratio Lower Upper
84 100
49 145.8 116.6 175.0
51 43.5 34.8 52.2
86 57.8 46.2 69.4





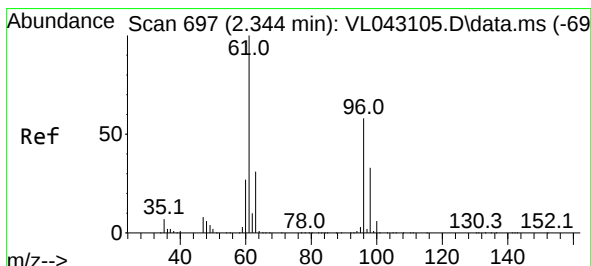
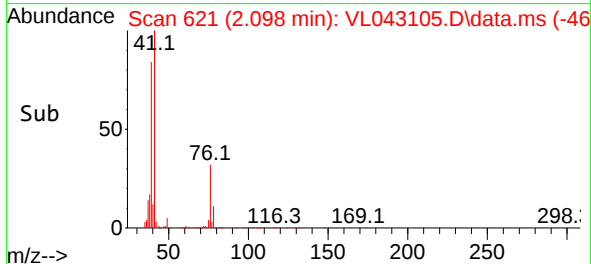
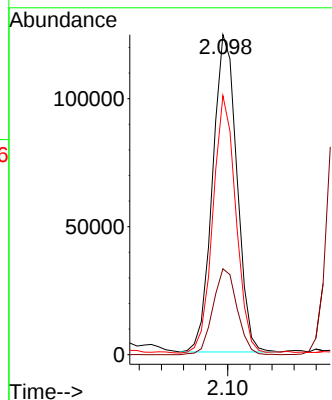
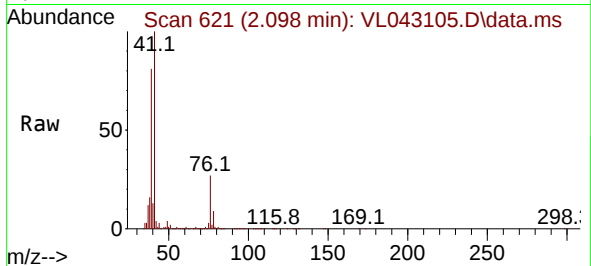
#21
 Allyl Chloride
 Concen: 9.145 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL043105.D
 Acq: 14 Oct 2025 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 41 Resp: 9462
 Ion Ratio Lower Upper
 41 100
 76 26.9 21.5 32.3
 39 76.4 60.8 91.2

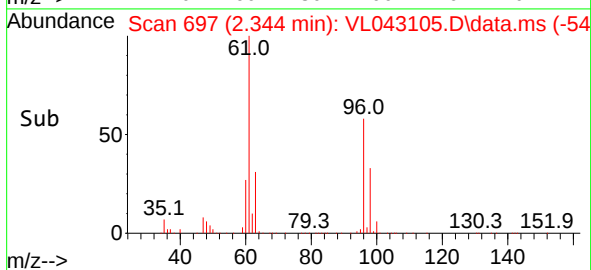
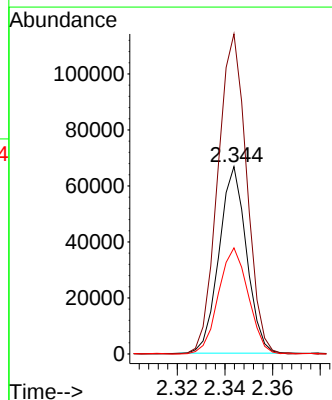
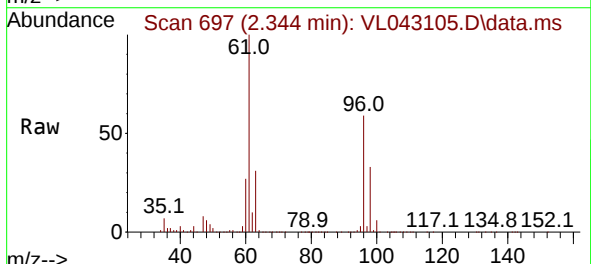
Manual Integrations
 APPROVED

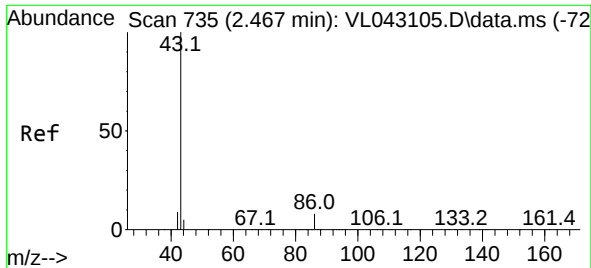
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#22
 trans-1,2-Dichloroethene
 Concen: 8.761 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL043105.D
 Acq: 14 Oct 2025 10:31

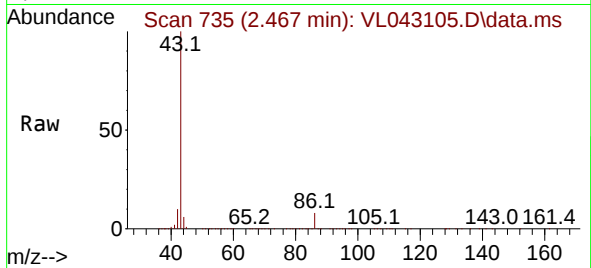
Tgt Ion: 96 Resp: 53146
 Ion Ratio Lower Upper
 96 100
 61 171.3 137.0 205.6
 98 56.9 45.5 68.3





#23
 Vinyl Acetate
 Concen: 8.218 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL043105.D
 Acq: 14 Oct 2025 10:31

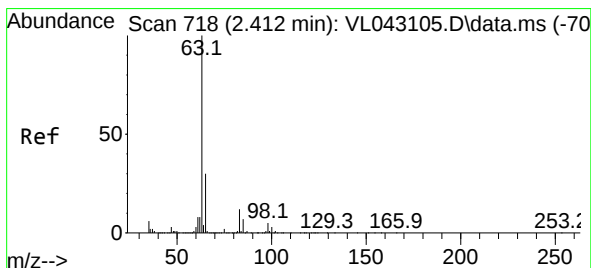
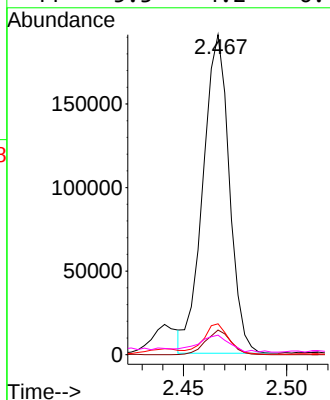
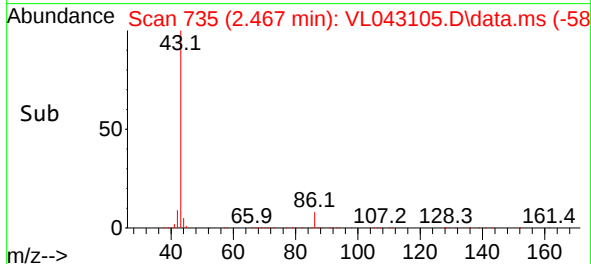
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010



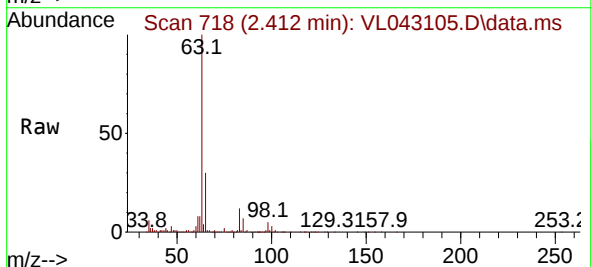
Tgt Ion: 43 Resp: 168700
 Ion Ratio Lower Upper
 43 100
 86 7.7 6.2 9.2
 42 9.5 7.6 11.4
 44 5.3 4.2 6.4

Manual Integrations
 APPROVED

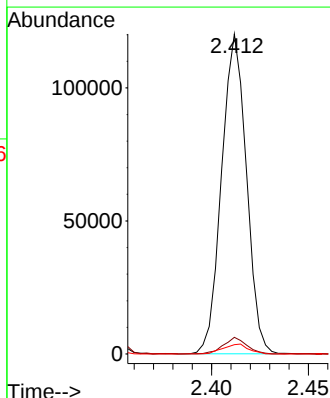
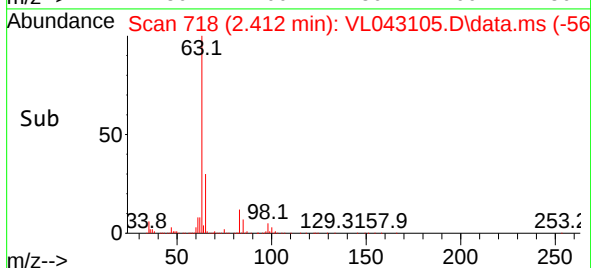
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

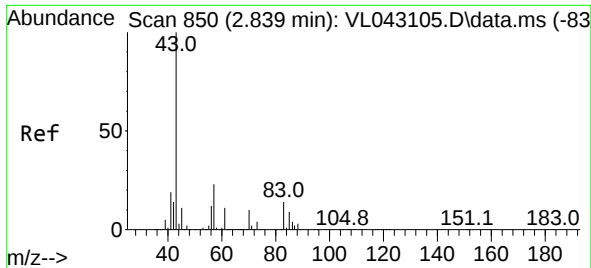


#24
 1,1-Dichloroethane
 Concen: 9.143 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL043105.D
 Acq: 14 Oct 2025 10:31



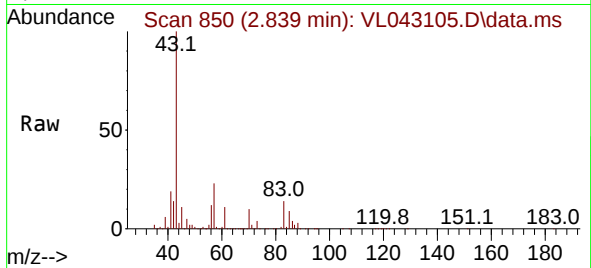
Tgt Ion: 63 Resp: 107153
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.6 7.8
 100 2.9 1.5 4.4





#25
Ethyl Acetate
Concen: 9.371 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

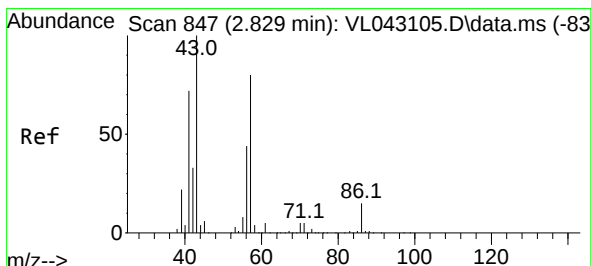
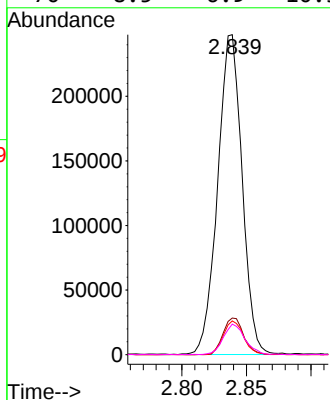
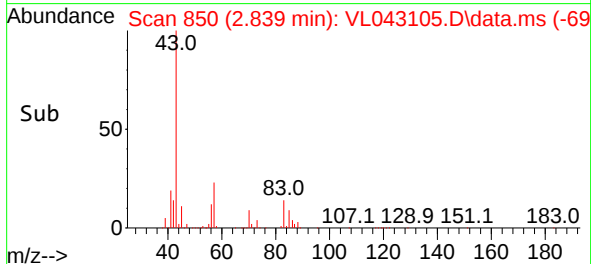
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 43 Resp: 325662
Ion Ratio Lower Upper
43 100
45 9.8 7.8 11.8
61 8.8 7.0 10.6
70 8.5 6.9 10.3

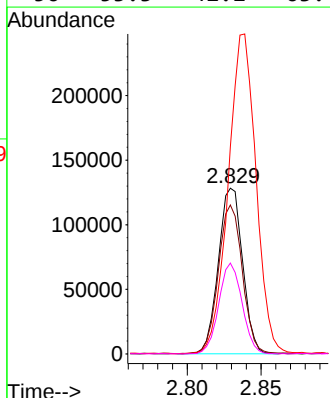
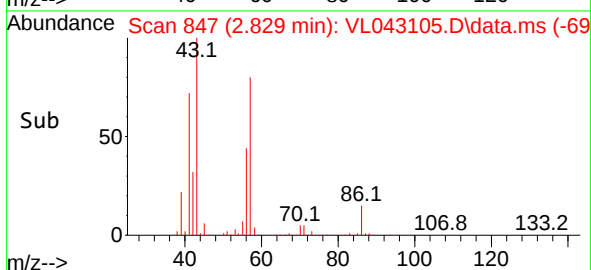
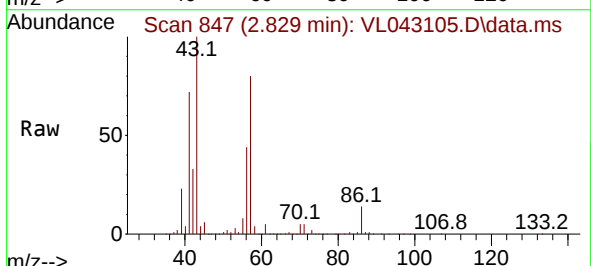
Manual Integrations
APPROVED

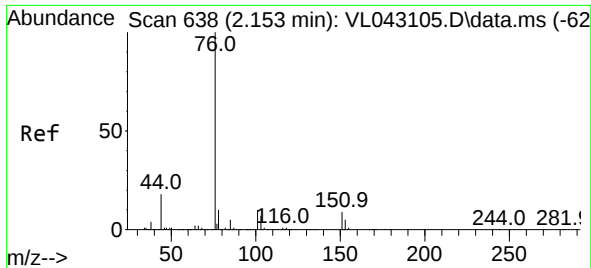
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#26
Hexane
Concen: 9.128 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

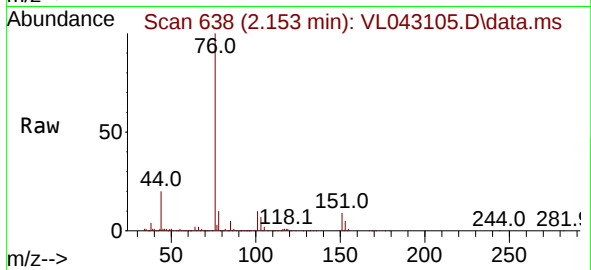
Tgt Ion: 57 Resp: 146168
Ion Ratio Lower Upper
57 100
41 90.2 71.4 107.0
43 222.4 178.5 267.7
56 53.3 42.2 63.4





#27
Carbon Disulfide
Concen: 9.319 ppbv
RT: 2.153 min Scan# 638
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

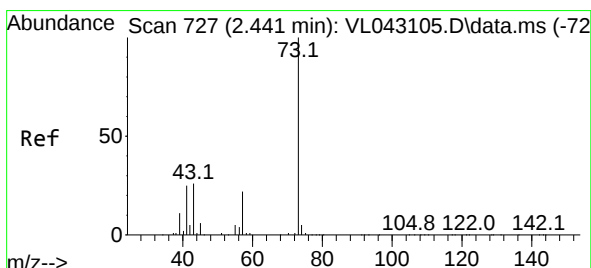
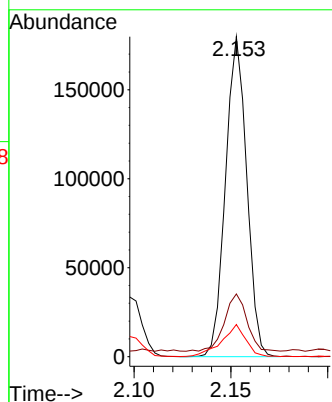
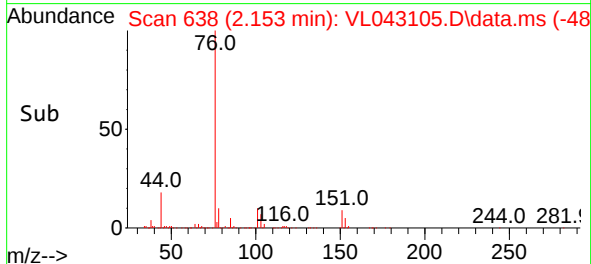
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



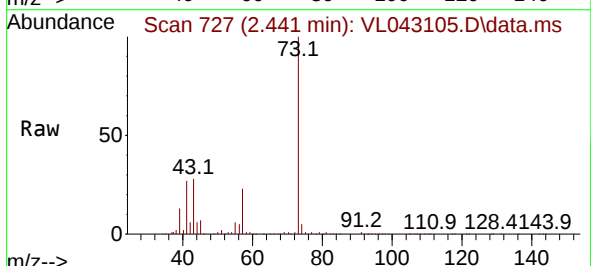
Tgt Ion: 76 Resp: 136729
Ion Ratio Lower Upper
76 100
44 20.1 16.7 25.1
78 11.5 9.3 13.9

Manual Integrations
APPROVED

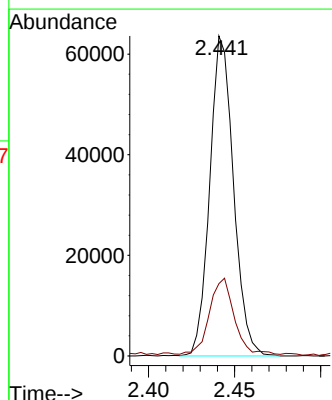
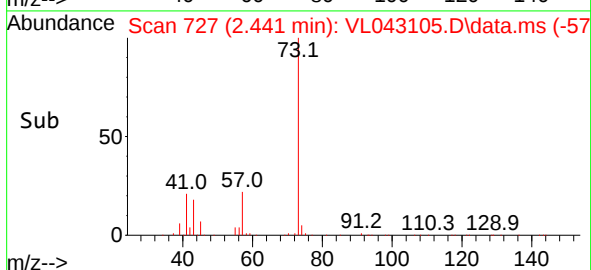
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

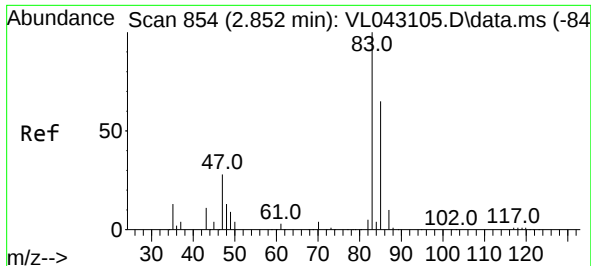


#28
Methyl tert-Butyl Ether
Concen: 8.384 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31



Tgt Ion: 73 Resp: 61076
Ion Ratio Lower Upper
73 100
57 24.8 20.5 30.7





#29

Chloroform

Concen: 9.097 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 21107

Ion Ratio Lower Upper

83 100

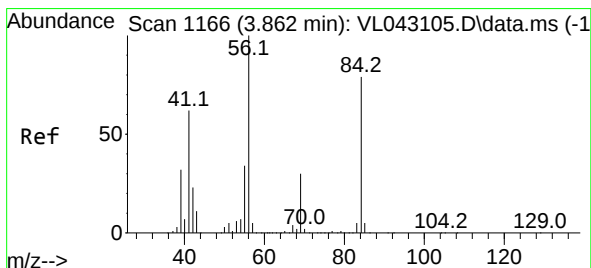
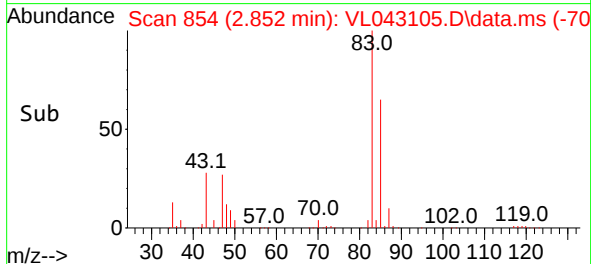
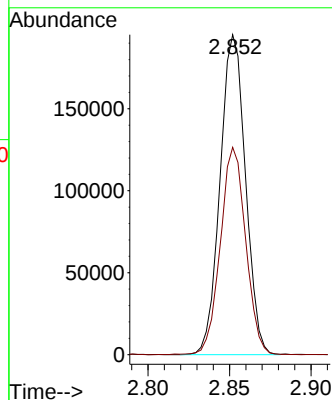
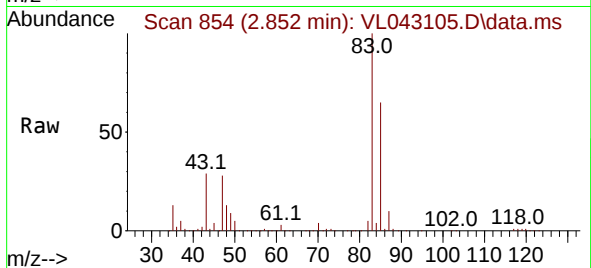
85 64.7 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#30

Cyclohexane

Concen: 9.037 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

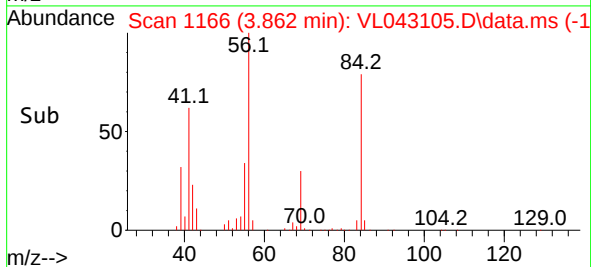
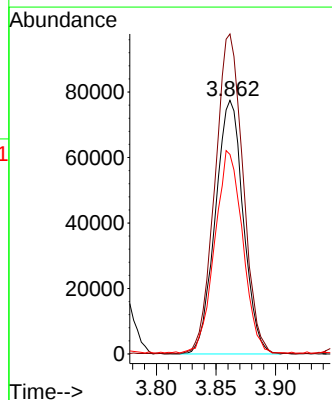
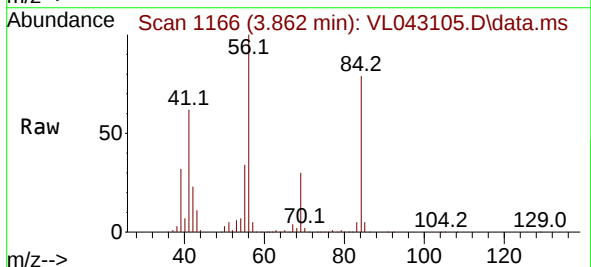
Tgt Ion: 84 Resp: 126226

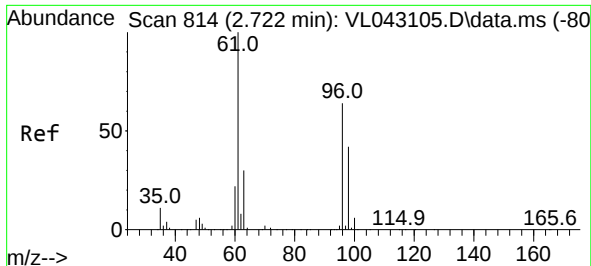
Ion Ratio Lower Upper

84 100

56 126.5 100.9 151.3

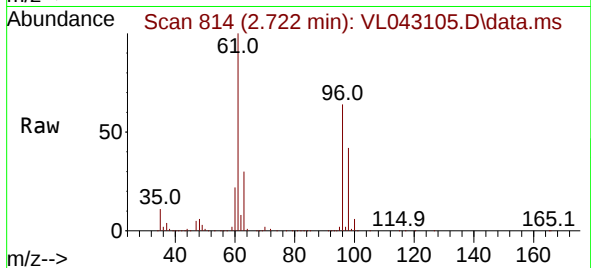
41 79.8 63.8 95.6





#31
 cis-1,2-Dichloroethene
 Concen: 9.553 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. 0.000 min
 Lab File: VL043105.D
 Acq: 14 Oct 2025 10:31

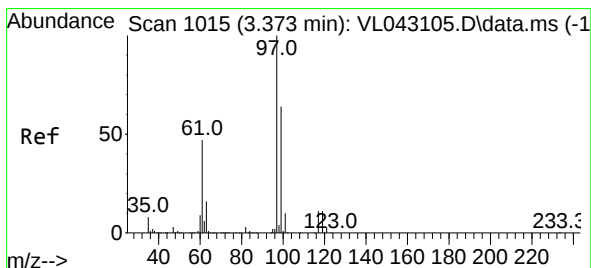
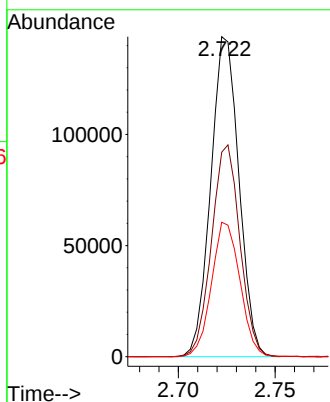
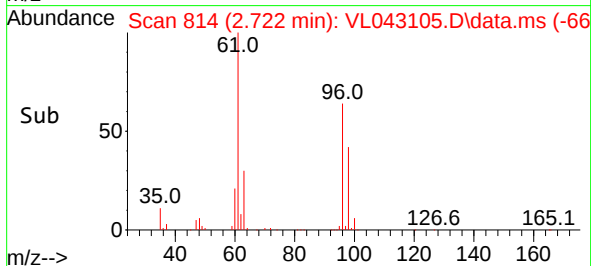
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion: 61 Resp: 146072
 Ion Ratio Lower Upper
 61 100
 96 63.8 51.0 76.6
 98 41.9 33.5 50.3

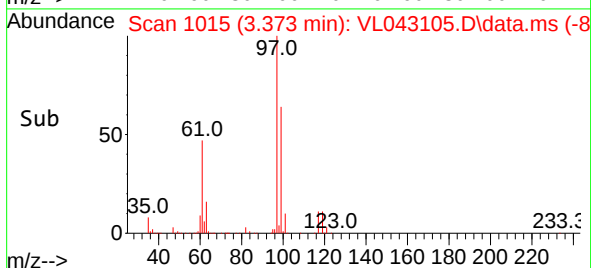
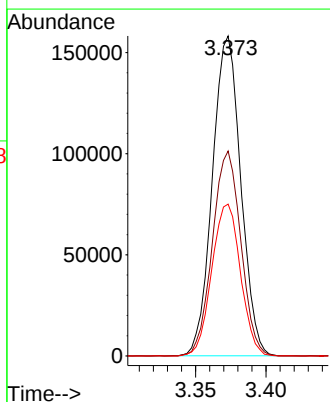
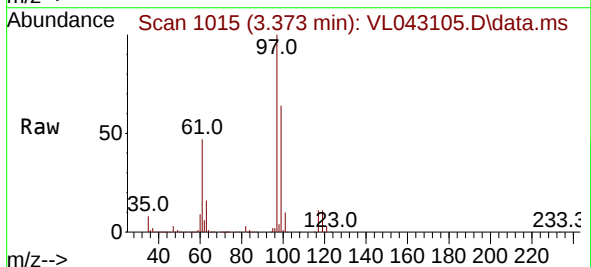
Manual Integrations
 APPROVED

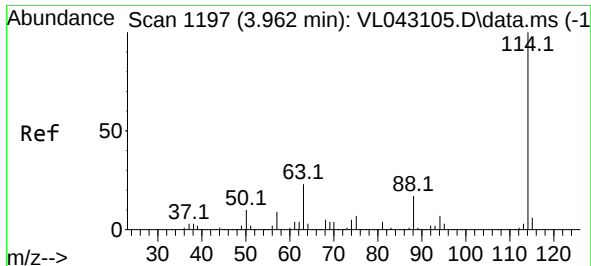
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#32
 1,1,1-Trichloroethane
 Concen: 9.189 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.000 min
 Lab File: VL043105.D
 Acq: 14 Oct 2025 10:31

Tgt Ion: 97 Resp: 222043
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.3 76.9
 61 48.0 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: VL043105.D

Acq: 14 Oct 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

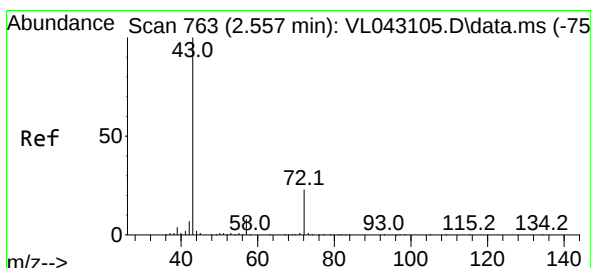
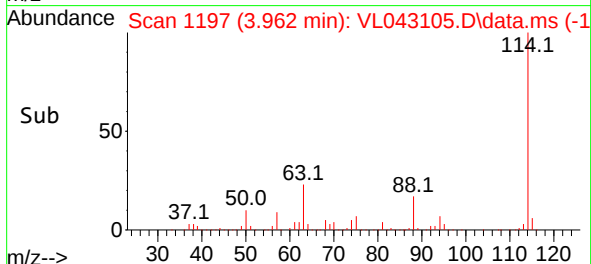
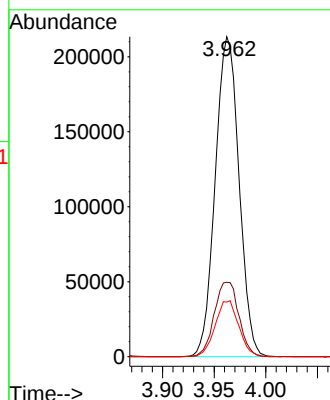
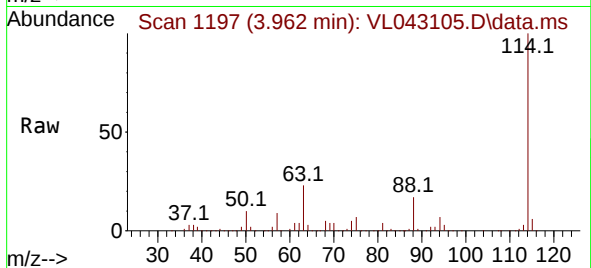
Tgt Ion:114 Resp: 341790

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.3	28.9
88	17.4	13.9	20.9

Manual Integrations

APPROVED

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



#34

2-Butanone

Concen: 8.971 ppbv

RT: 2.557 min Scan# 763

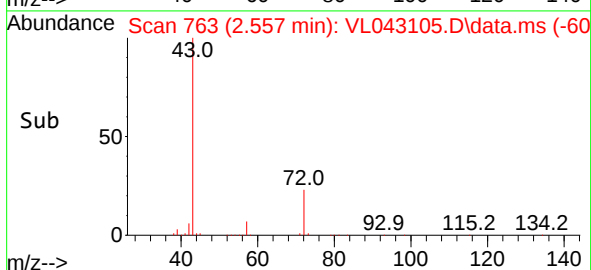
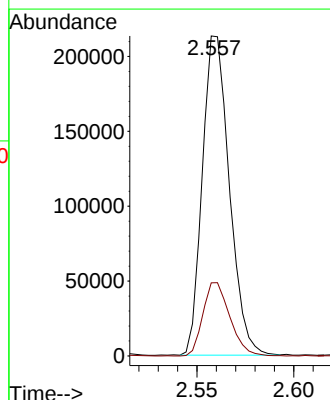
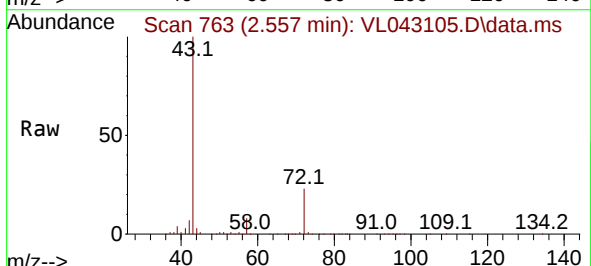
Delta R.T. 0.000 min

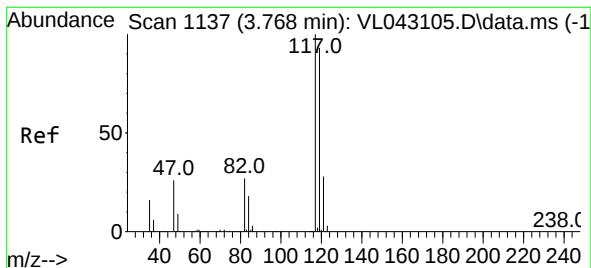
Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

Tgt Ion: 43 Resp: 207274

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.4	27.6





#35

Carbon Tetrachloride

Concen: 9.032 ppbv

RT: 3.768 min Scan# 1137

Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

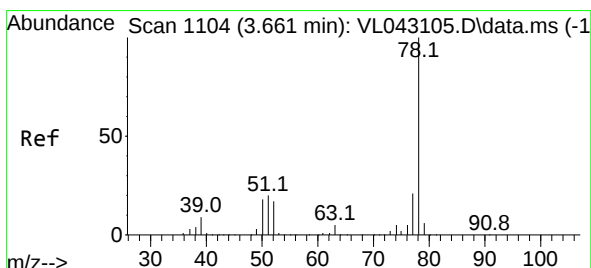
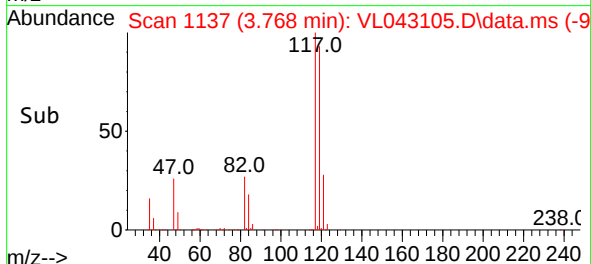
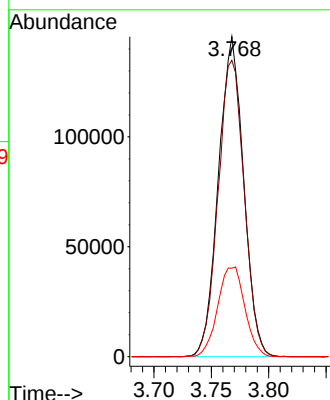
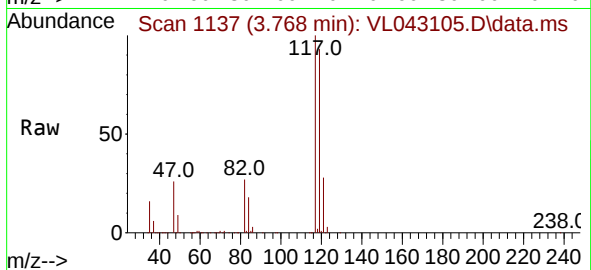
VSTDICCC010

Tgt Ion: 117	Resp: 22193
Ion Ratio	Lower Upper
117 100	
119 92.6	74.1 111.1
121 27.7	22.2 33.2

Manual Integrations

APPROVED

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



#36

Benzene

Concen: 9.246 ppbv

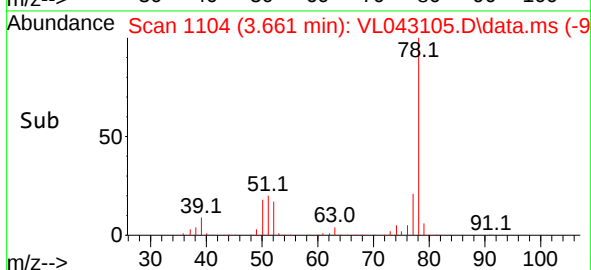
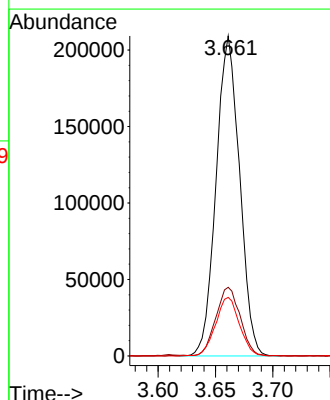
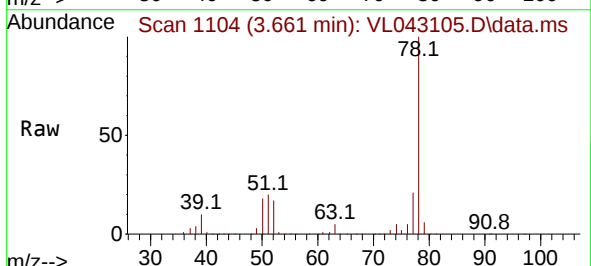
RT: 3.661 min Scan# 1104

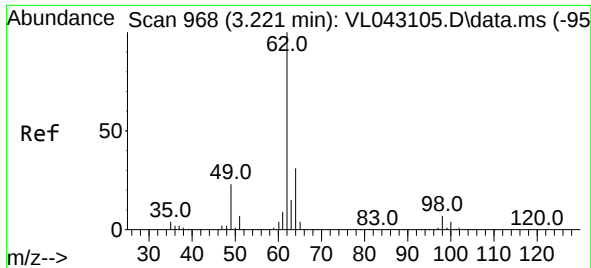
Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

Tgt Ion: 78	Resp: 297653
Ion Ratio	Lower Upper
78 100	
77 21.3	17.0 25.6
50 18.3	14.6 22.0





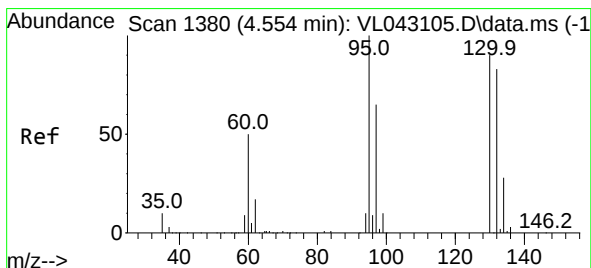
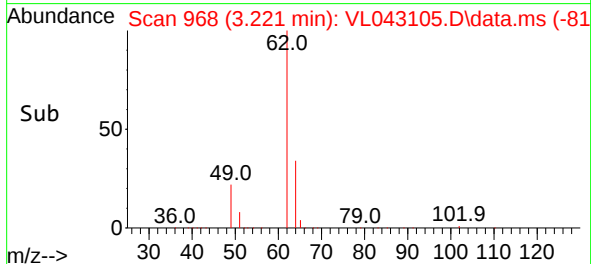
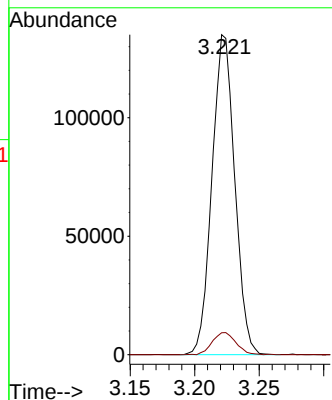
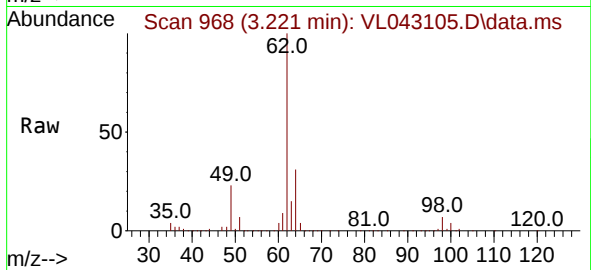
#37
1,2-Dichloroethane
Concen: 8.946 ppbv
RT: 3.221 min Scan# 968
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 165898
Ion Ratio Lower Upper
62 100
98 7.2 5.8 8.6

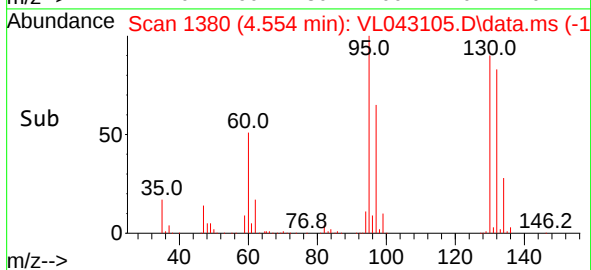
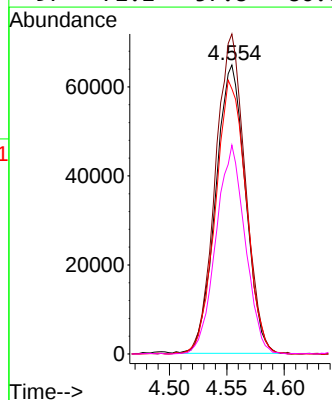
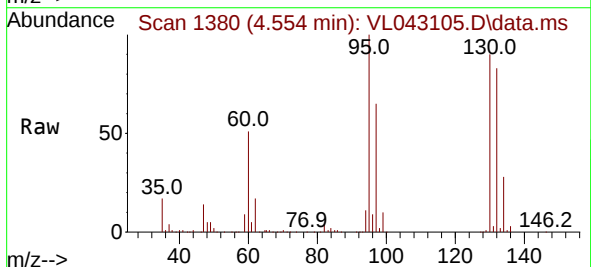
Manual Integrations
APPROVED

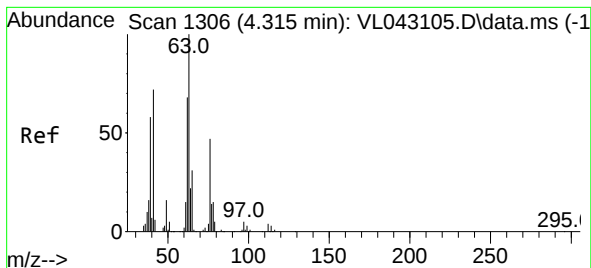
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#38
Trichloroethene
Concen: 8.708 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:130 Resp: 116947
Ion Ratio Lower Upper
130 100
95 110.8 88.6 133.0
132 91.7 73.4 110.0
97 72.2 57.8 86.6





#39

1,2-Dichloropropane

Concen: 9.207 ppbv

RT: 4.315 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 63 Resp: 108440

Ion Ratio Lower Upper

63 100

41 72.5 58.0 87.0

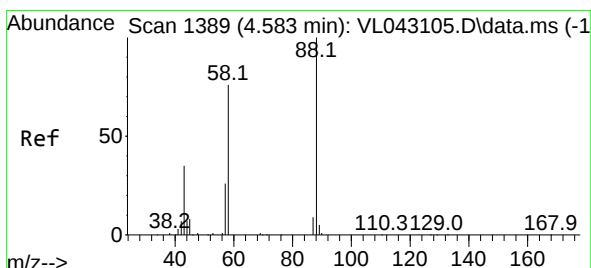
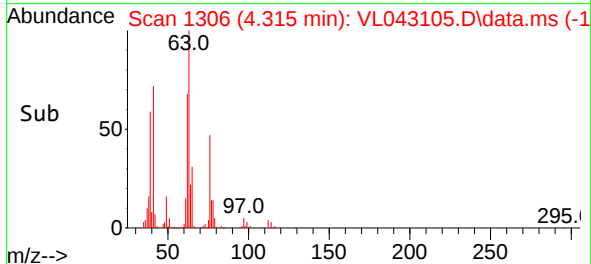
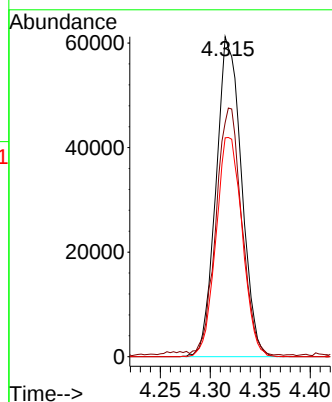
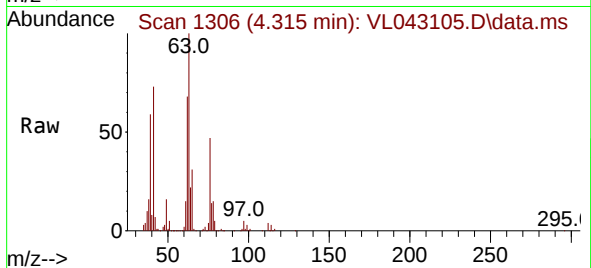
62 68.4 54.7 82.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#40

1,4-Dioxane

Concen: 9.153 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

Tgt Ion: 88 Resp: 48201

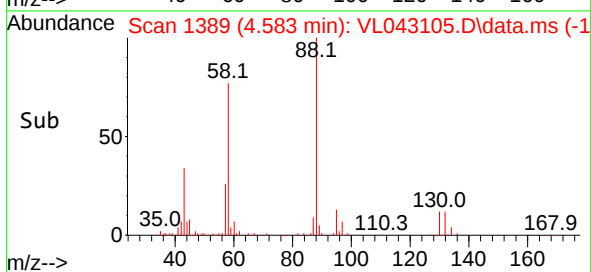
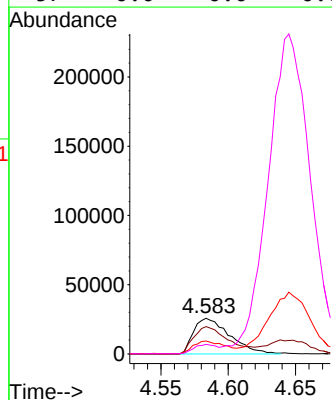
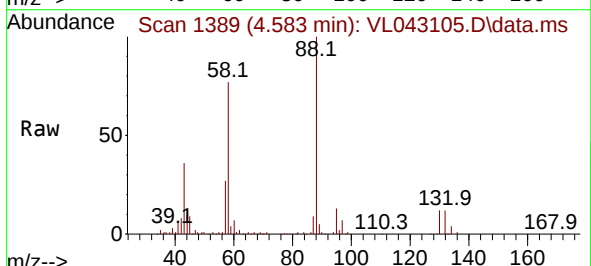
Ion Ratio Lower Upper

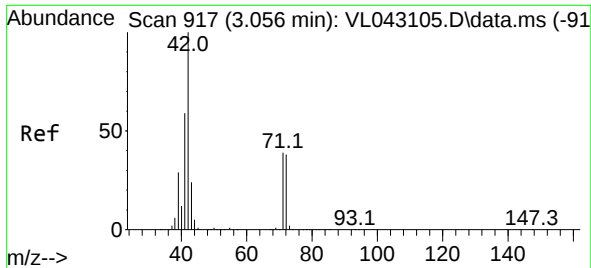
88 100

58 74.3 61.1 91.7

43 33.3 24.0 36.0

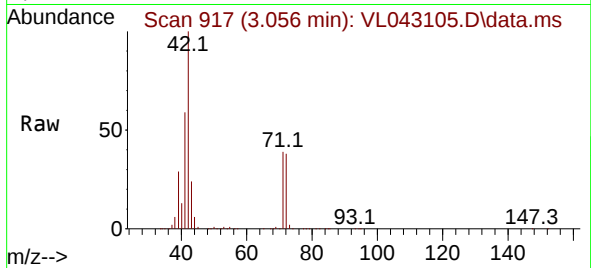
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.076 ppbv
RT: 3.056 min Scan# 917
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

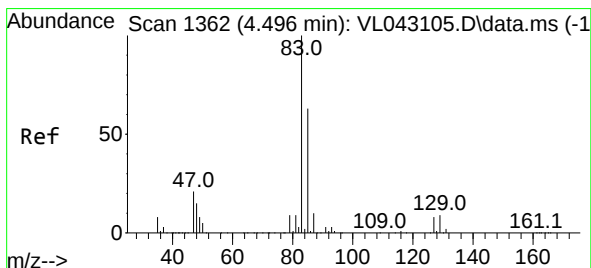
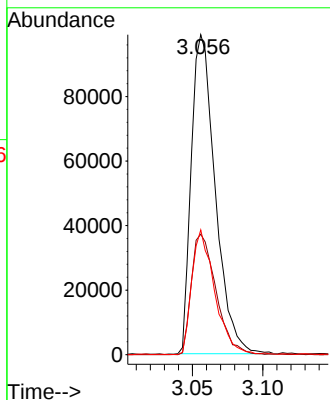
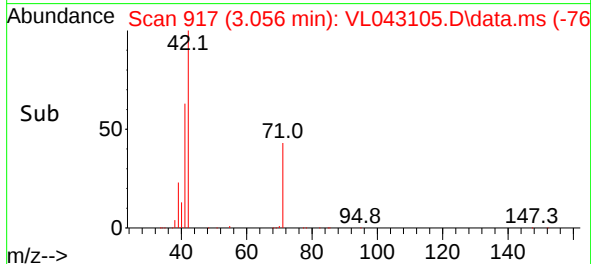
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



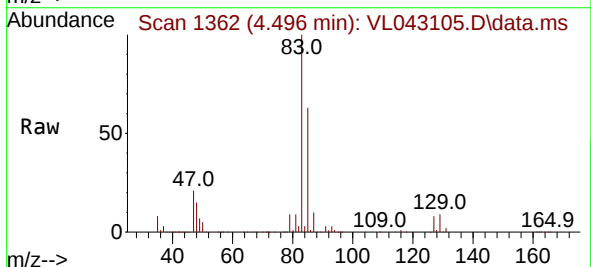
Tgt Ion: 42 Resp: 117069
Ion Ratio Lower Upper
42 100
72 39.1 31.3 46.9
71 37.8 30.4 45.6

Manual Integrations
APPROVED

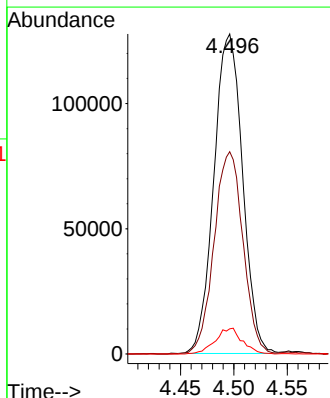
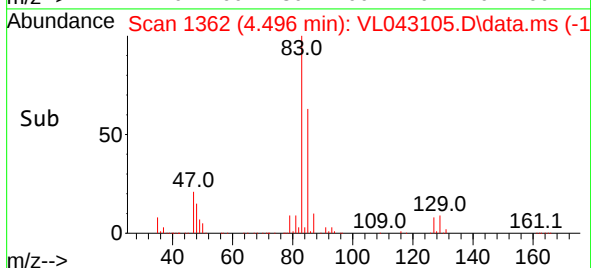
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#42
Bromodichloromethane
Concen: 9.286 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31



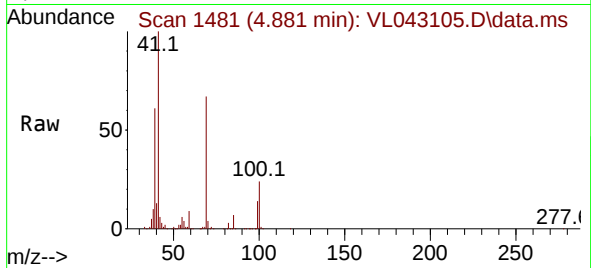
Tgt Ion: 83 Resp: 238353
Ion Ratio Lower Upper
83 100
85 63.2 50.6 75.8
127 7.9 6.3 9.5





#43
Methyl Methacrylate
Concen: 9.371 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

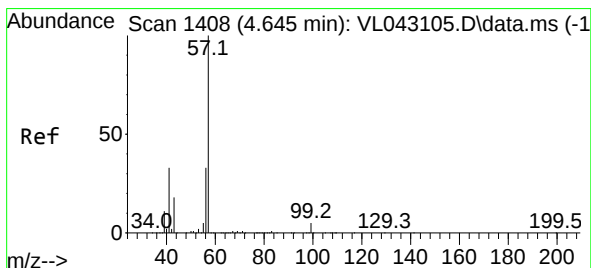
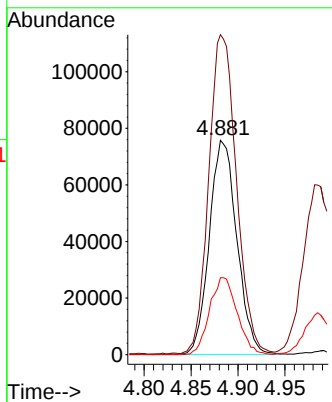
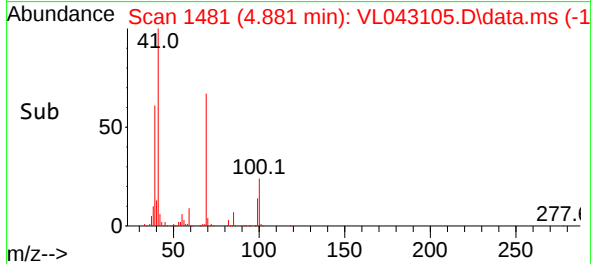
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 69 Resp: 15392
Ion Ratio Lower Upper
69 100
41 149.8 120.5 180.7
100 36.2 29.0 43.4

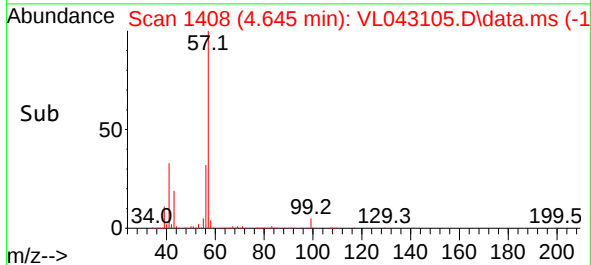
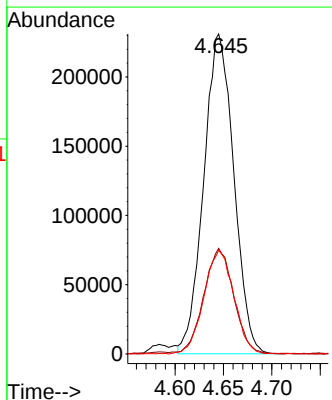
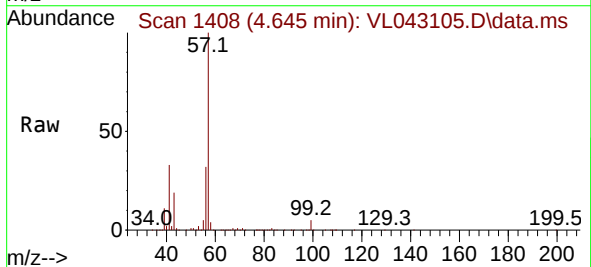
Manual Integrations
APPROVED

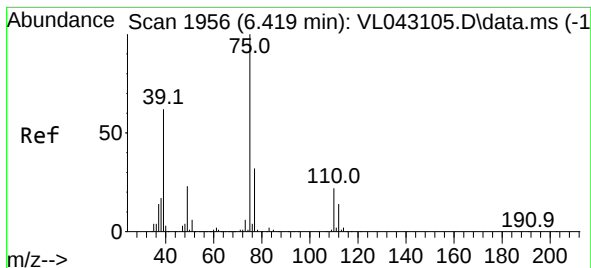
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#44
2,2,4-Trimethylpentane
Concen: 9.273 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 57 Resp: 499148
Ion Ratio Lower Upper
57 100
41 33.2 26.3 39.5
56 32.1 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 9.620 ppbv

RT: 6.419 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 75 Resp: 157850

Ion Ratio Lower Upper

75 100

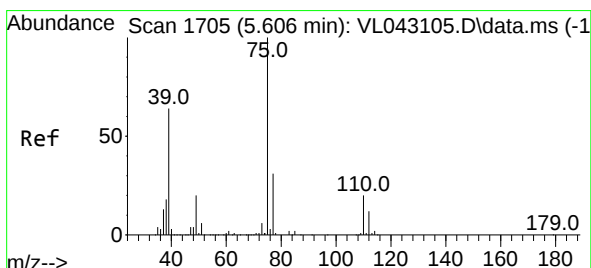
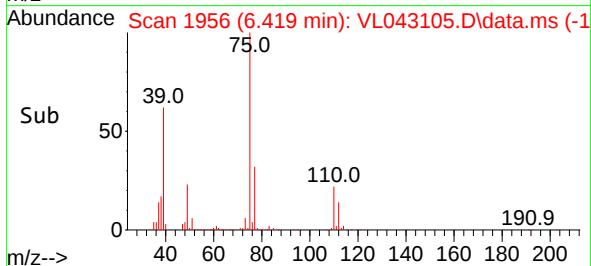
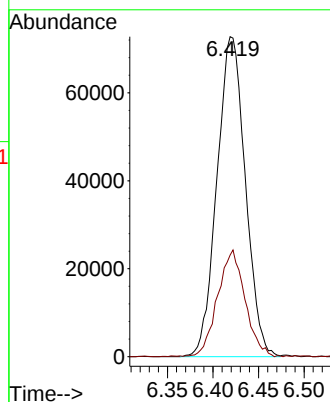
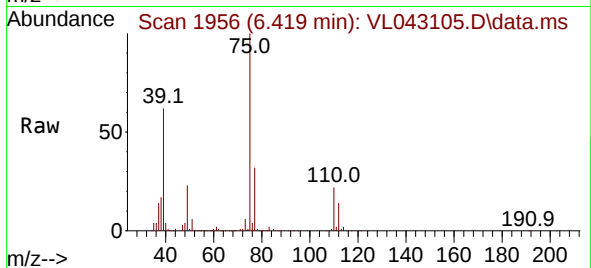
77 31.8 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#46

cis-1,3-Dichloropropene

Concen: 9.525 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

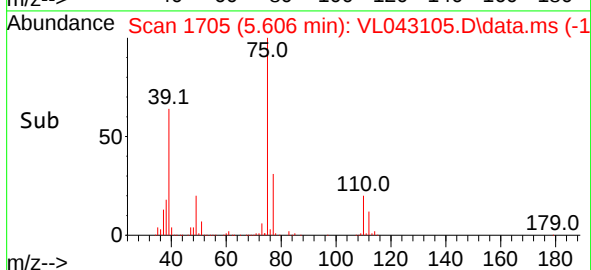
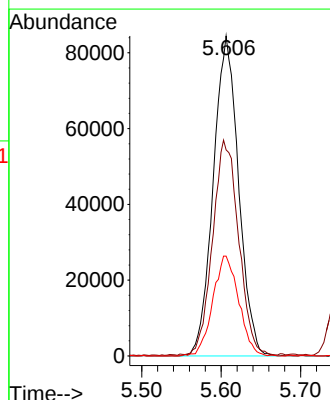
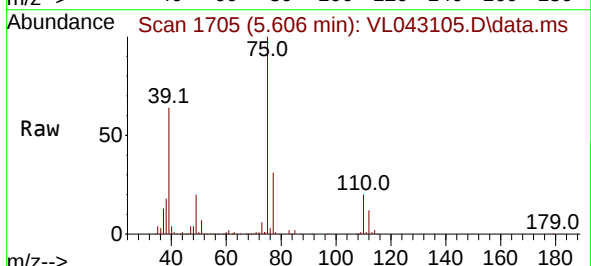
Tgt Ion: 75 Resp: 186533

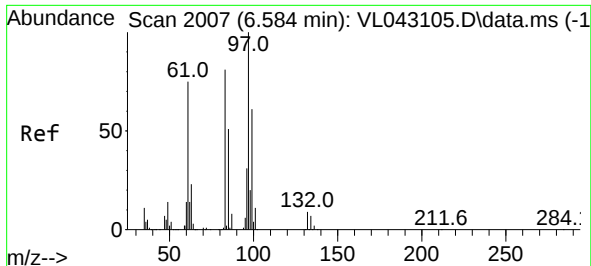
Ion Ratio Lower Upper

75 100

39 63.8 51.0 76.6

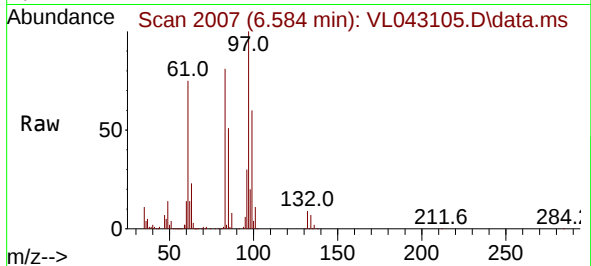
77 31.2 25.0 37.4





#47
1,1,2-Trichloroethane
Concen: 9.082 ppbv
RT: 6.584 min Scan# 2007
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

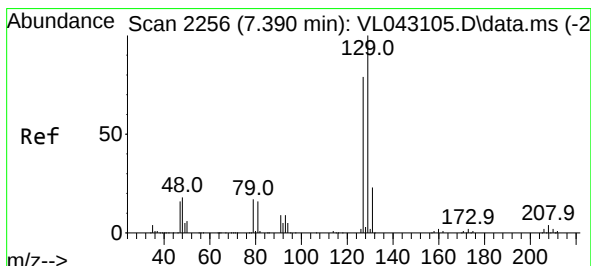
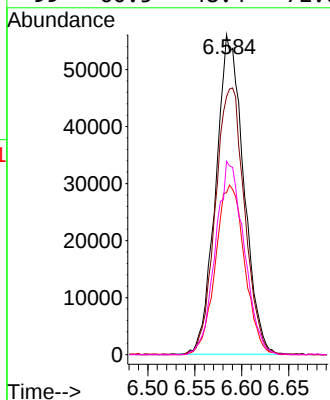
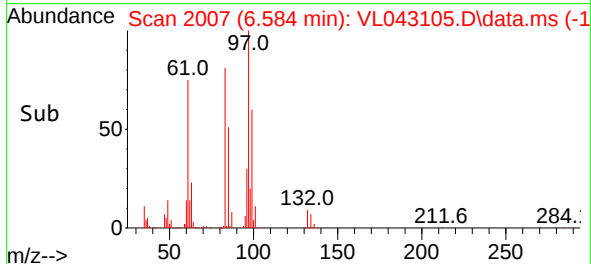
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 97 Resp: 115419
Ion Ratio Lower Upper
97 100
83 80.7 64.6 96.8
85 50.7 40.6 60.8
99 60.5 48.4 72.6

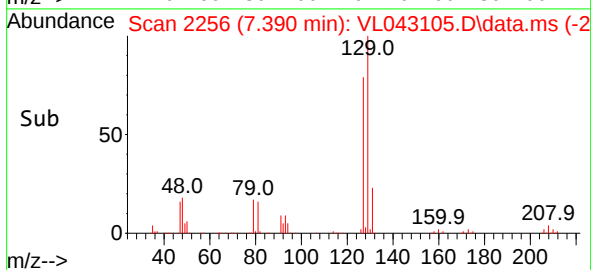
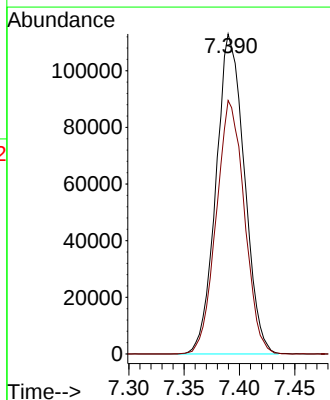
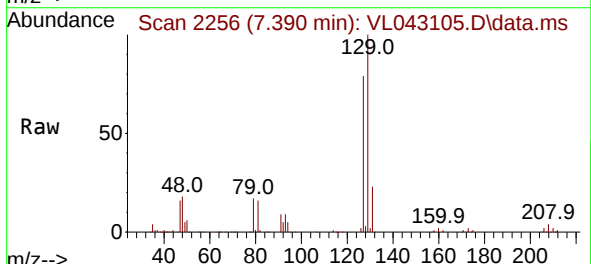
Manual Integrations
APPROVED

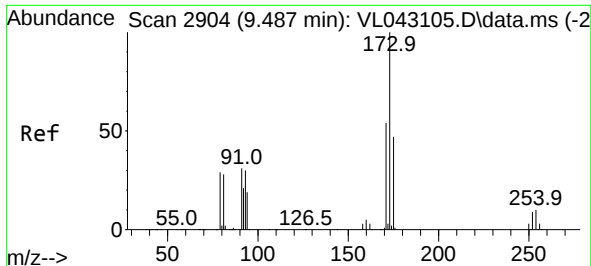
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#48
Dibromochloromethane
Concen: 9.476 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:129 Resp: 201349
Ion Ratio Lower Upper
129 100
127 78.6 39.3 117.9





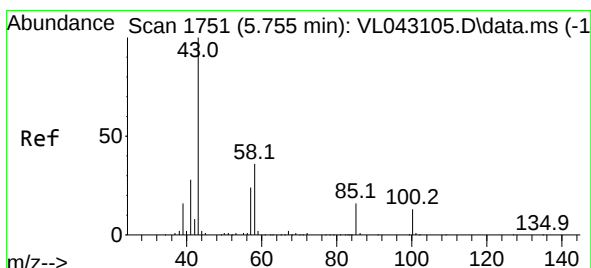
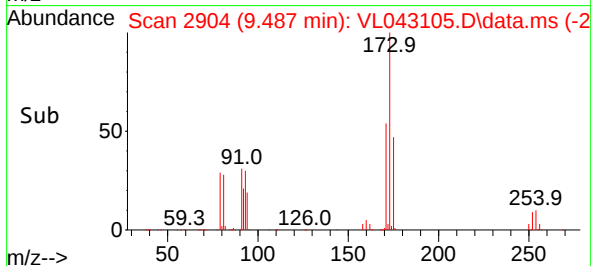
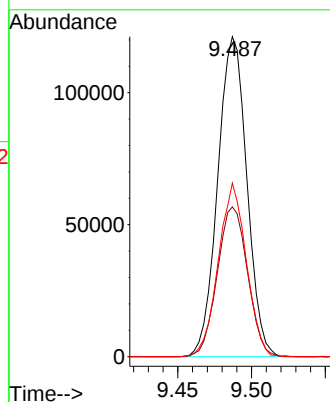
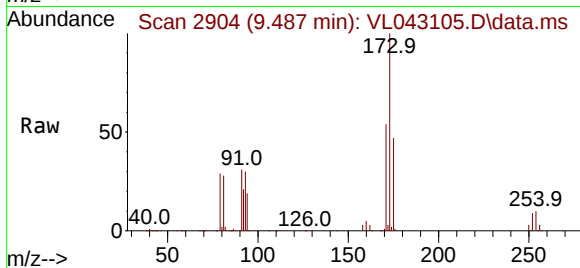
#49
Bromoform
Concen: 9.633 ppbv
RT: 9.487 min Scan# 2904
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 16637
Ion Ratio Lower Upper
173 100
175 48.5 38.8 58.2
171 52.1 41.7 62.5

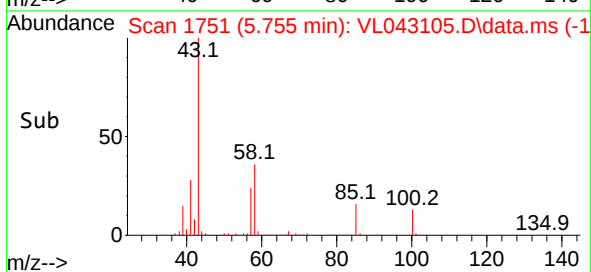
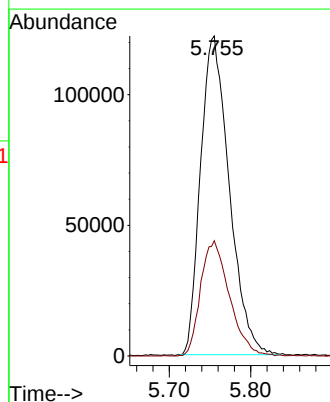
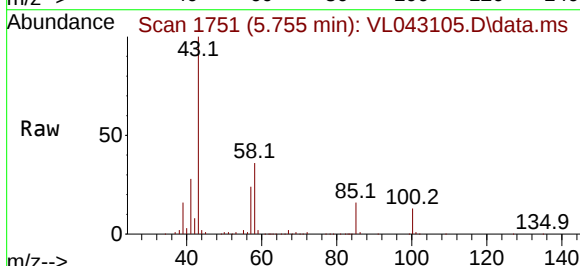
Manual Integrations
APPROVED

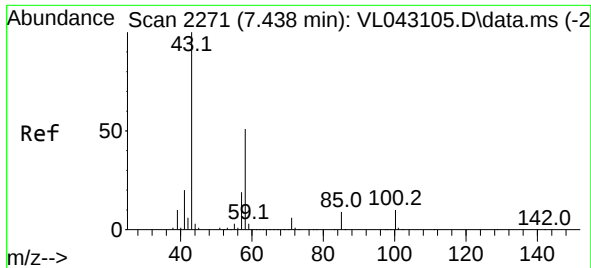
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#50
4-Methyl-2-Pentanone
Concen: 9.362 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

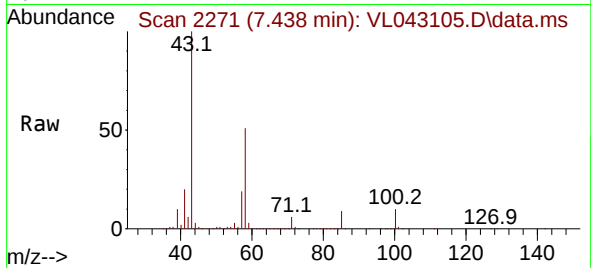
Tgt Ion: 43 Resp: 298401
Ion Ratio Lower Upper
43 100
58 36.3 29.1 43.7





#51
2-Hexanone
Concen: 9.940 ppbv
RT: 7.438 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

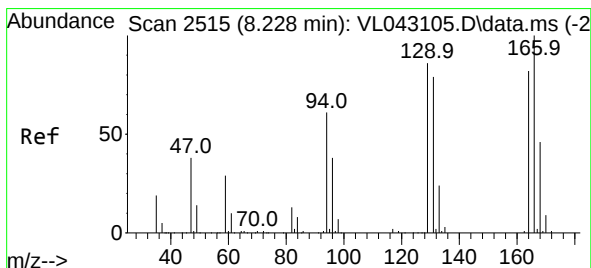
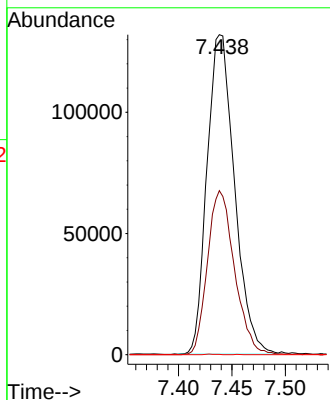
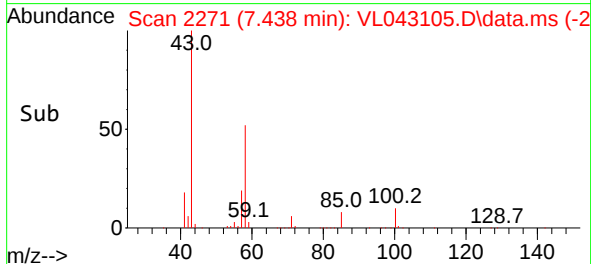
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 43 Resp: 23639
Ion Ratio Lower Upper
43 100
58 50.6 40.4 60.6
98 0.1 0.1 0.1

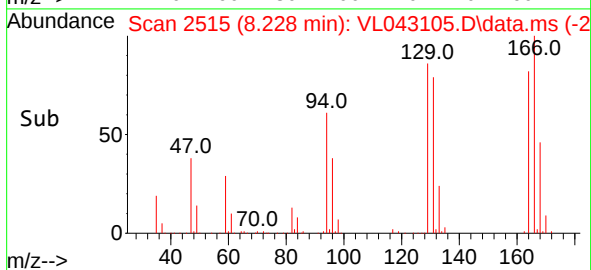
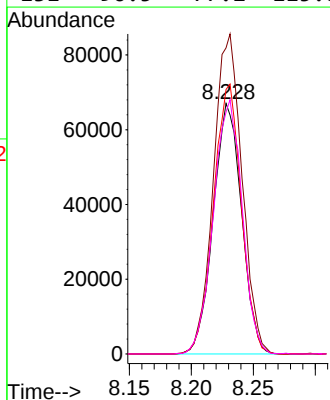
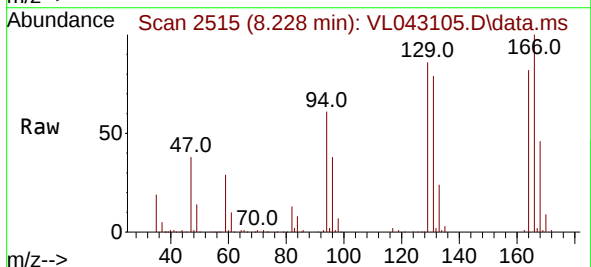
Manual Integrations
APPROVED

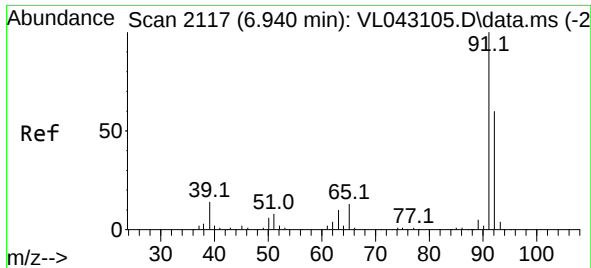
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#52
Tetrachloroethene
Concen: 9.192 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

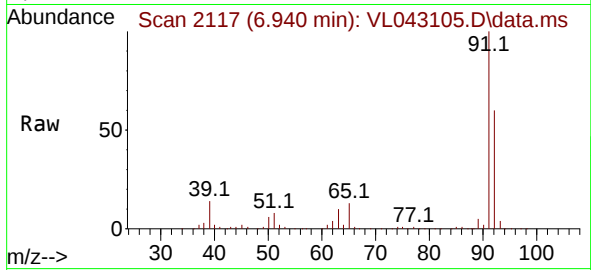
Tgt Ion:164 Resp: 106710
Ion Ratio Lower Upper
164 100
166 122.0 97.6 146.4
129 105.6 84.5 126.7
131 96.5 77.2 115.8





#53
Toluene
Concen: 9.266 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

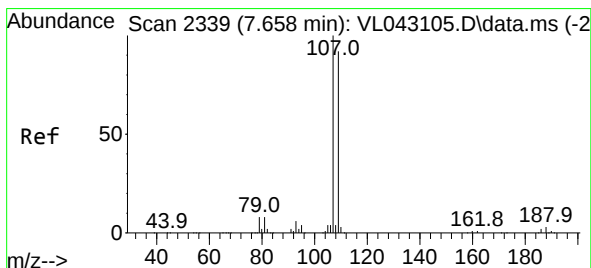
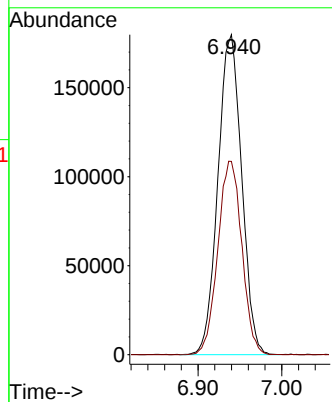
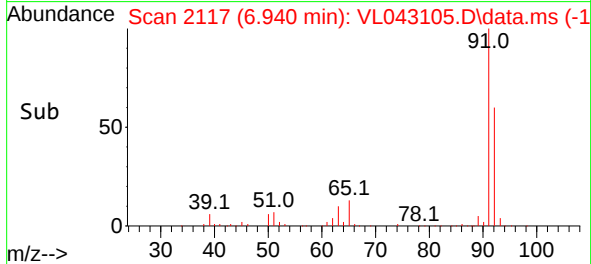
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



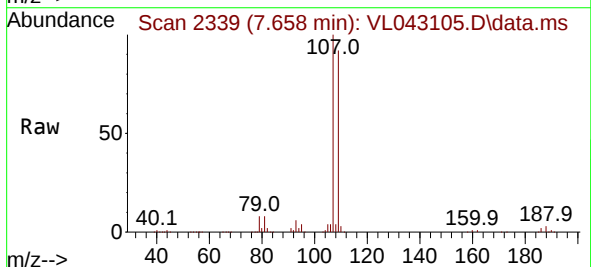
Tgt Ion: 91 Resp: 35400
Ion Ratio Lower Upper
91 100
92 61.0 48.8 73.2

Manual Integrations
APPROVED

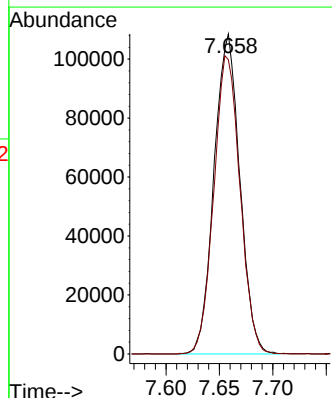
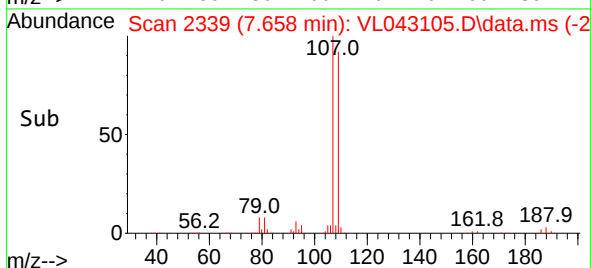
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

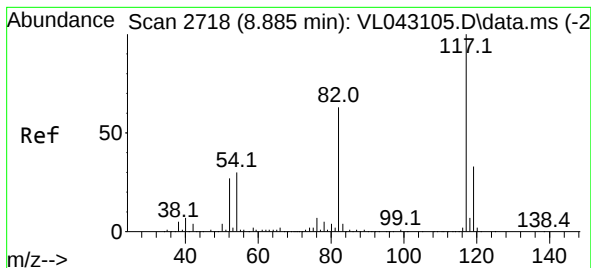


#54
1,2-Dibromoethane
Concen: 9.080 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31



Tgt Ion:107 Resp: 182074
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: VL043105.D

Acq: 14 Oct 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

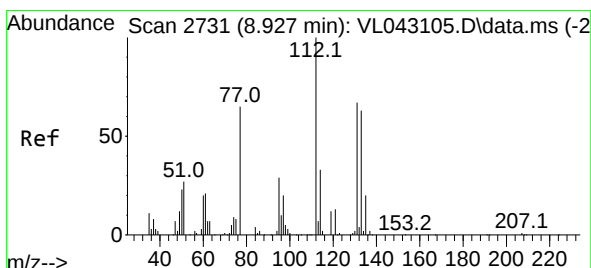
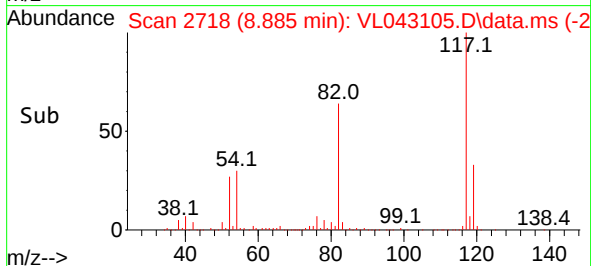
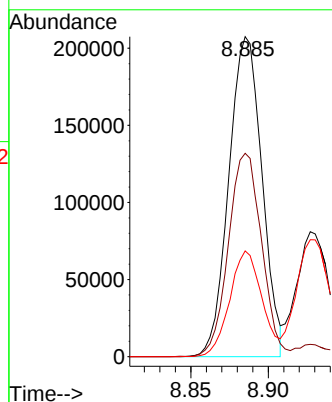
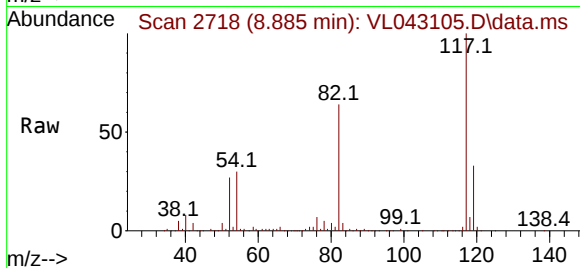
Tgt Ion:117 Resp: 309230

Ion	Ratio	Lower	Upper
117	100		
82	67.3	53.8	80.8
119	33.4	25.4	38.0

Manual Integrations

APPROVED

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



#56

1,1,1,2-Tetrachloroethane

Concen: 9.367 ppbv

RT: 8.927 min Scan# 2731

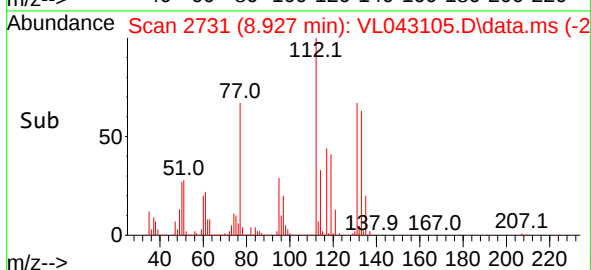
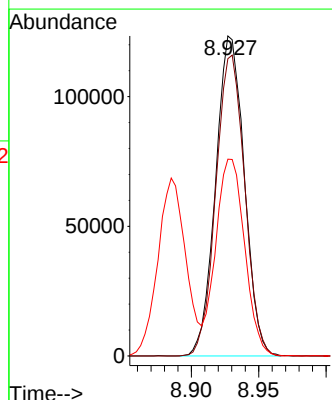
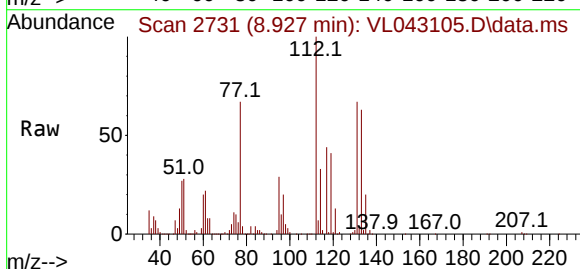
Delta R.T. 0.000 min

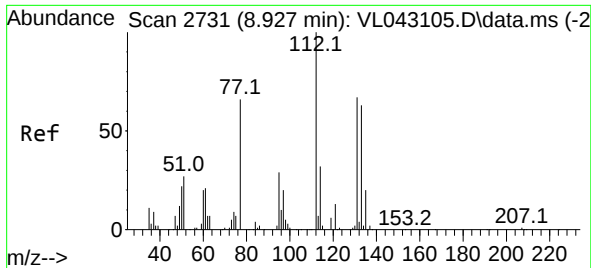
Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

Tgt Ion:131 Resp: 182585

Ion	Ratio	Lower	Upper
131	100		
133	94.6	75.7	113.5
119	63.3	50.6	76.0





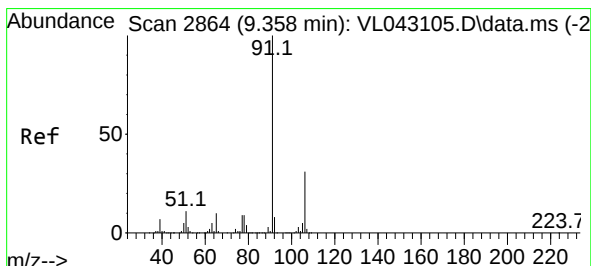
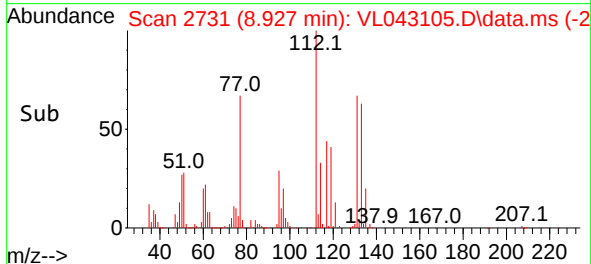
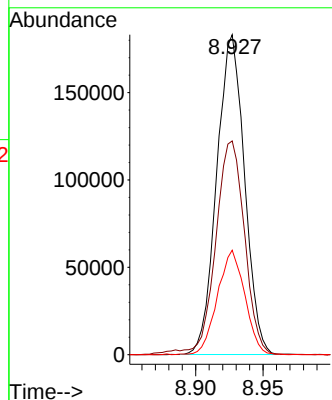
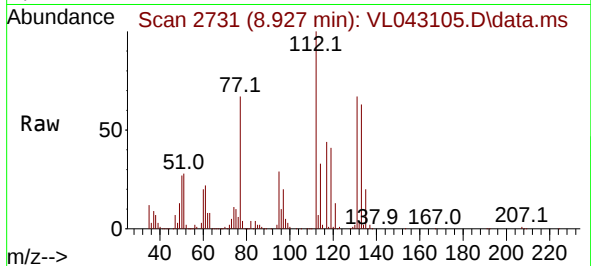
#57
Chlorobenzene
Concen: 9.076 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 262560
Ion Ratio Lower Upper
112 100
77 66.6 53.3 79.9
114 32.5 29.3 35.8

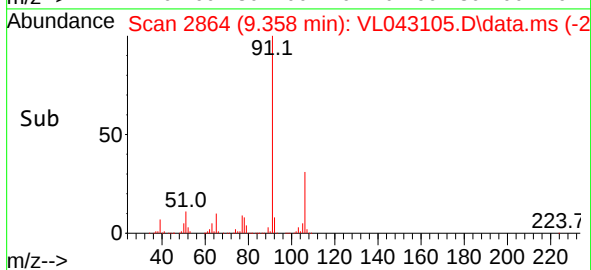
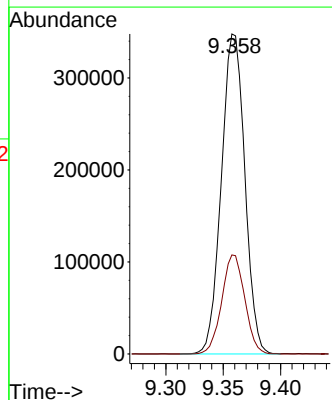
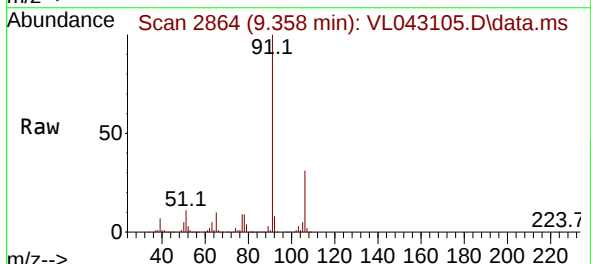
Manual Integrations
APPROVED

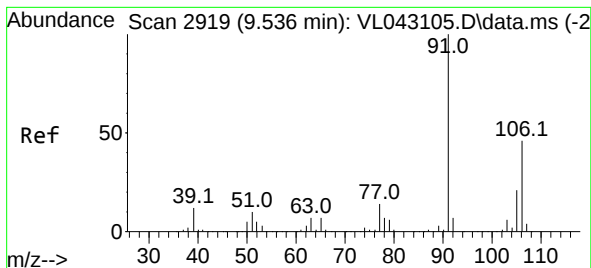
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#58
Ethyl Benzene
Concen: 9.241 ppbv
RT: 9.358 min Scan# 2864
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 494344
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2





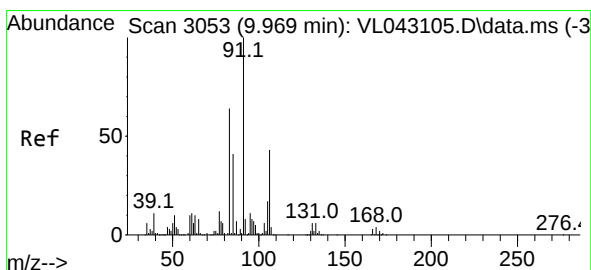
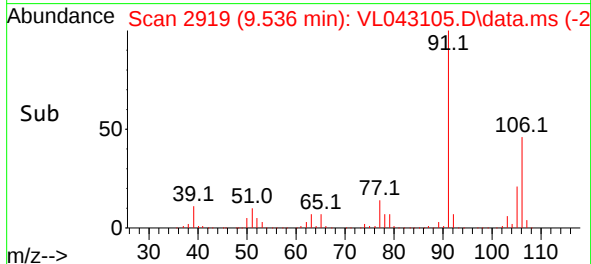
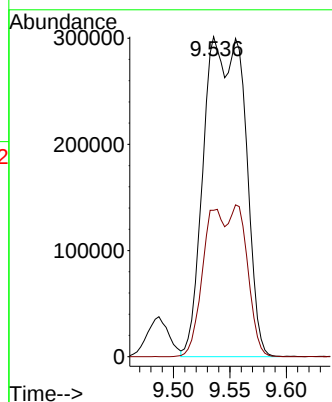
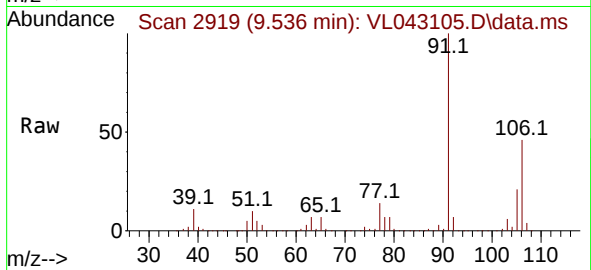
#59
m/p-Xylene
Concen: 18.067 ppbv m
RT: 9.536 min Scan# 2919
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 765374
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0

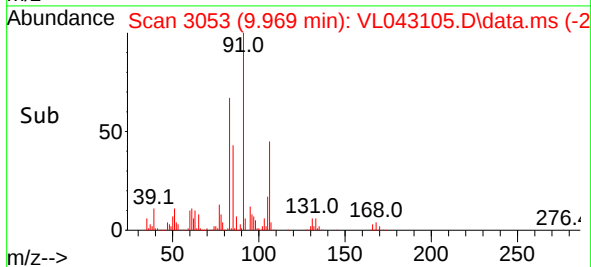
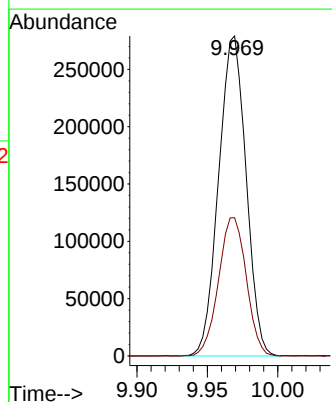
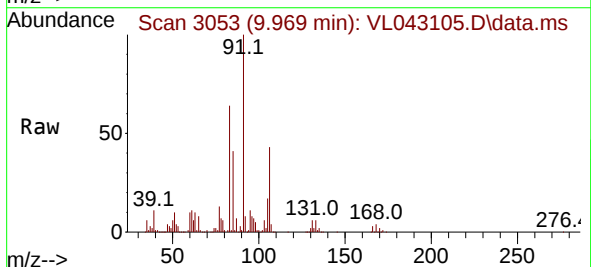
Manual Integrations
APPROVED

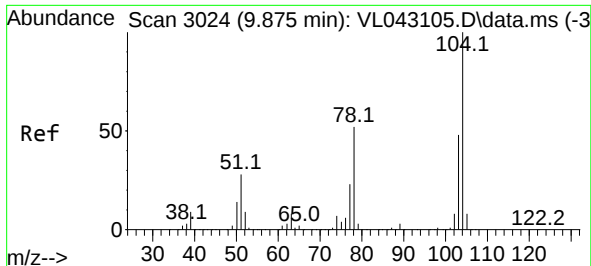
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#60
o-Xylene
Concen: 9.053 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 378462
Ion Ratio Lower Upper
91 100
106 43.9 21.9 65.8





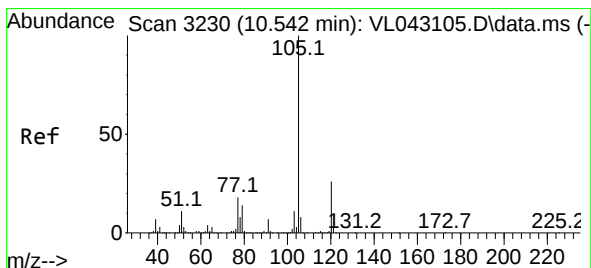
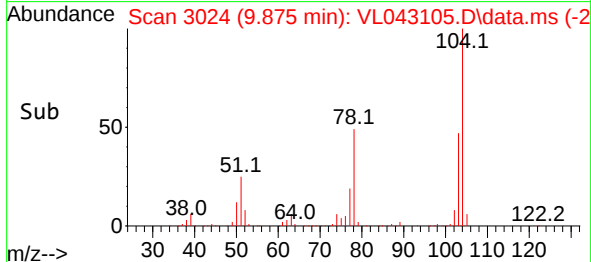
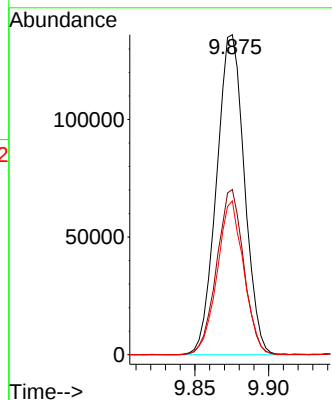
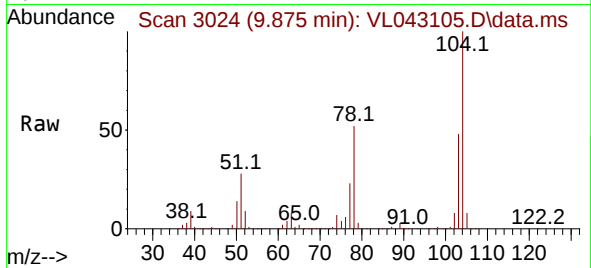
#61
Styrene
Concen: 9.477 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 17885
Ion Ratio Lower Upper
104 100
78 50.2 40.2 60.2
103 46.1 36.9 55.3

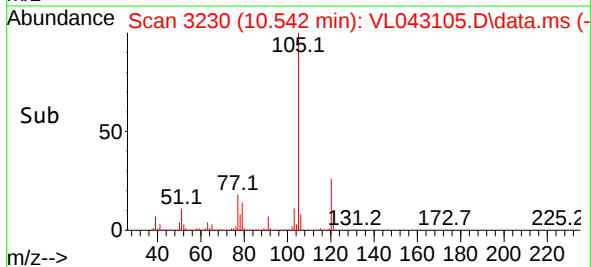
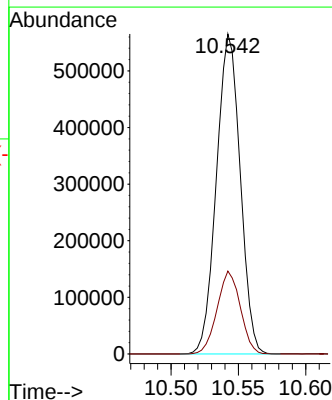
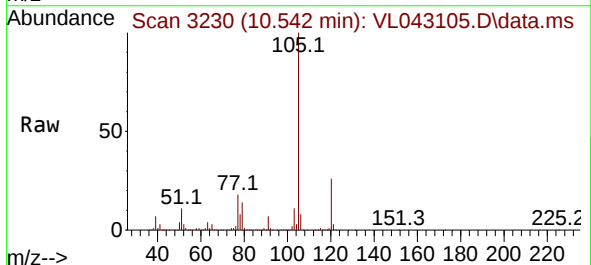
Manual Integrations
APPROVED

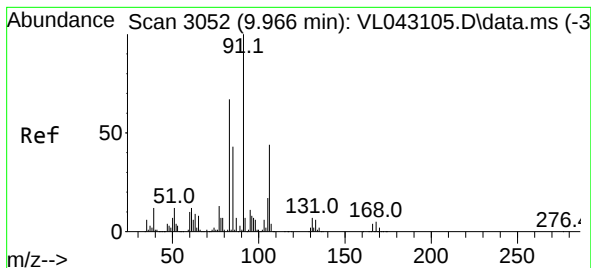
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#62
Isopropylbenzene
Concen: 9.173 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:105 Resp: 692992
Ion Ratio Lower Upper
105 100
120 25.3 20.2 30.4





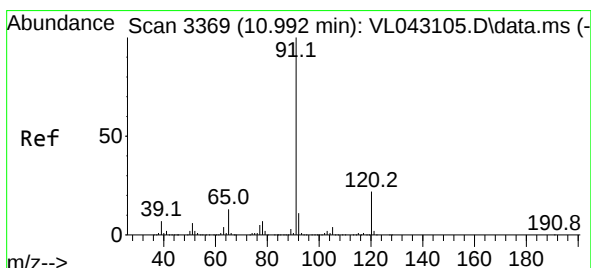
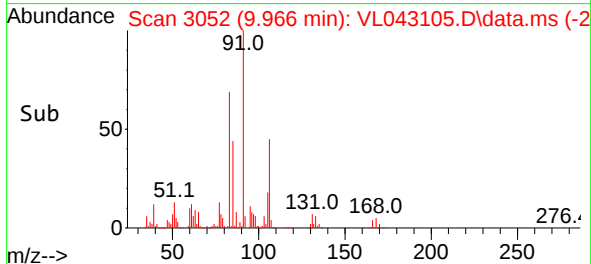
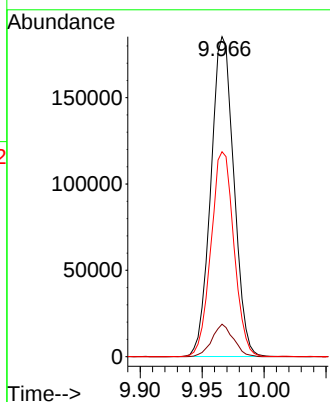
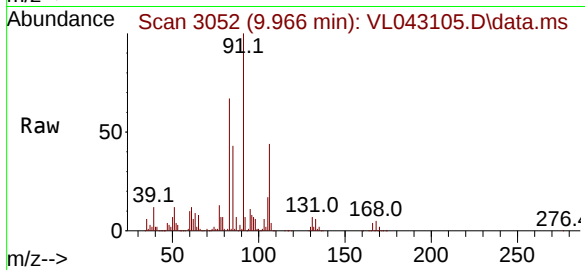
#63
1,1,2,2-Tetrachloroethane
Concen: 8.582 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 83 Resp: 240245
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.3
85 64.0 32.0 96.0

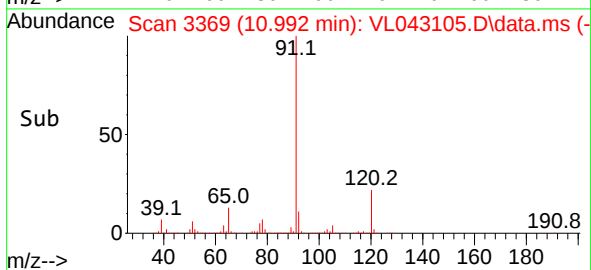
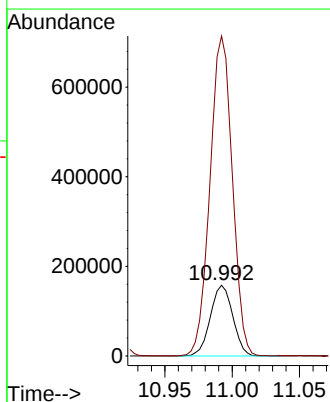
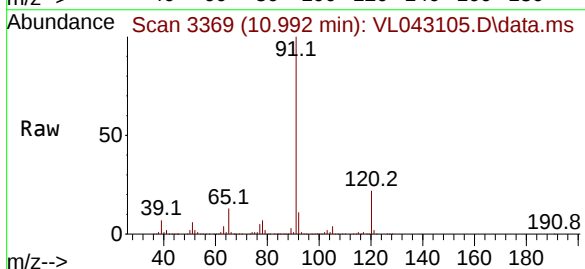
Manual Integrations
APPROVED

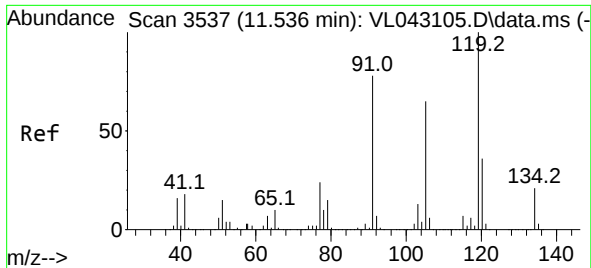
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#64
n-propylbenzene
Concen: 9.112 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:120 Resp: 182233
Ion Ratio Lower Upper
120 100
91 452.0 361.6 542.4





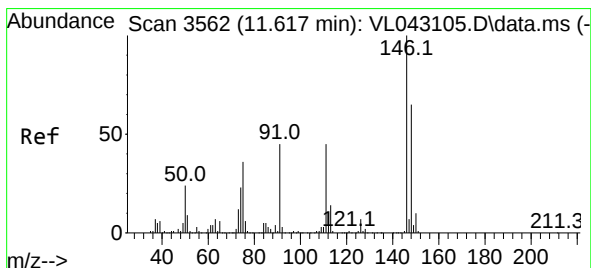
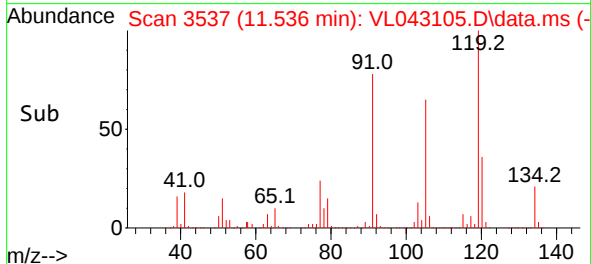
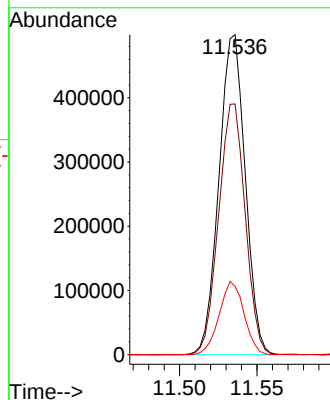
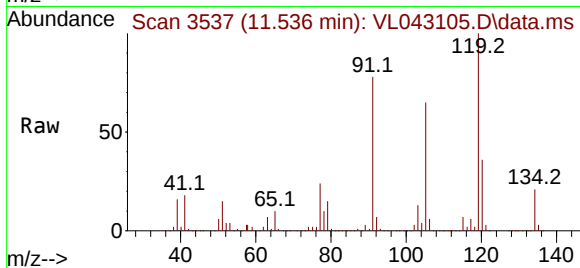
#65
tert-Butylbenzene
Concen: 8.810 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 119 Resp: 587750
Ion Ratio Lower Upper
119 100
91 79.1 63.4 95.0
134 21.6 17.3 25.9

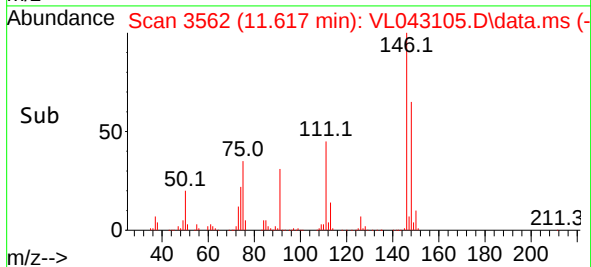
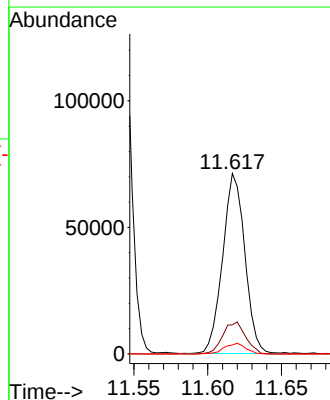
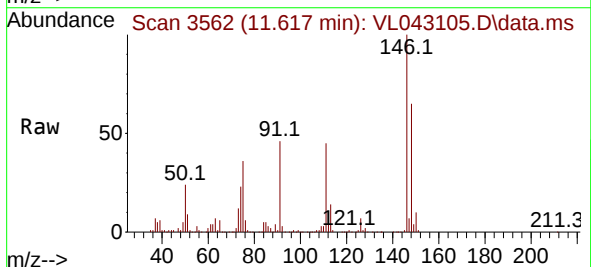
Manual Integrations
APPROVED

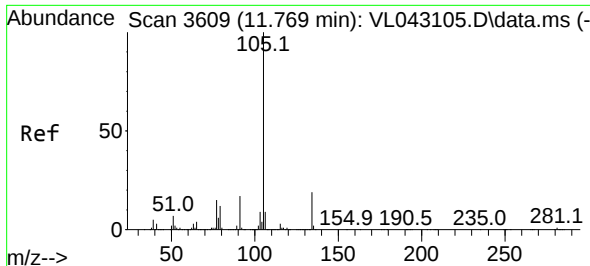
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#66
Benzyl Chloride
Concen: 10.009 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

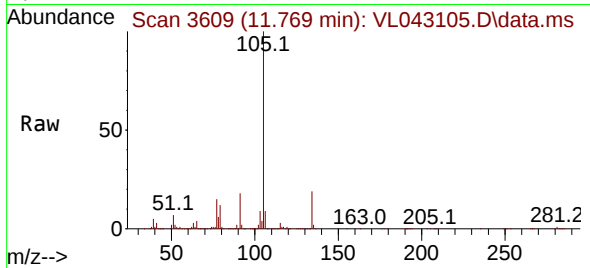
Tgt Ion: 91 Resp: 74574
Ion Ratio Lower Upper
91 100
126 18.3 14.6 22.0
128 5.7 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 8.809 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VL043105.D
 Acq: 14 Oct 2025 10:31

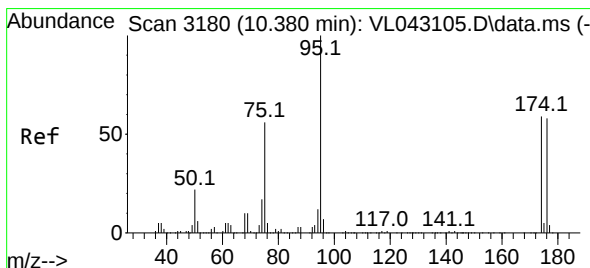
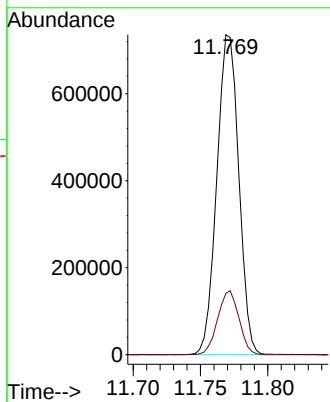
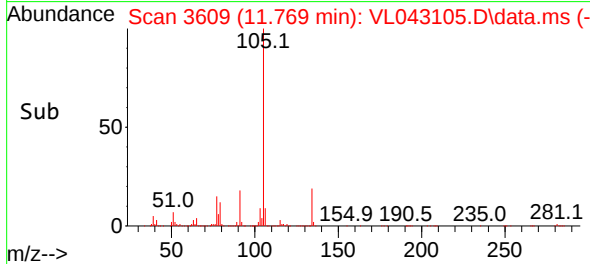
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion:105 Resp: 834052
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.5 23.3

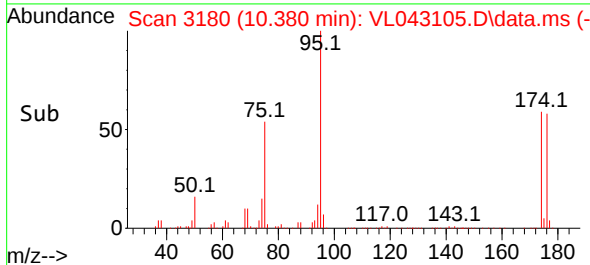
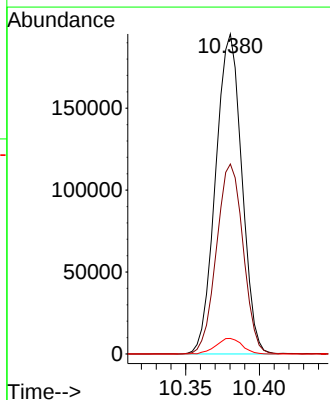
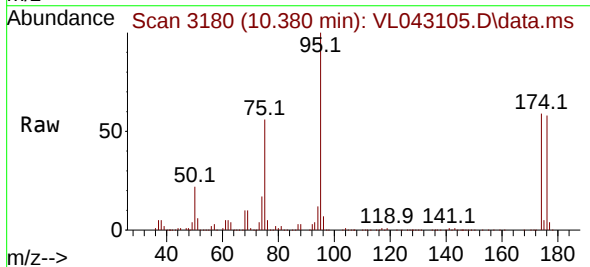
Manual Integrations
 APPROVED

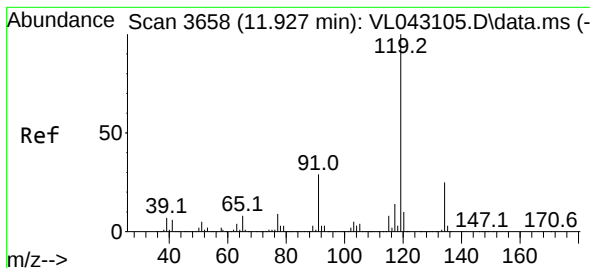
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.046 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.000 min
 Lab File: VL043105.D
 Acq: 14 Oct 2025 10:31

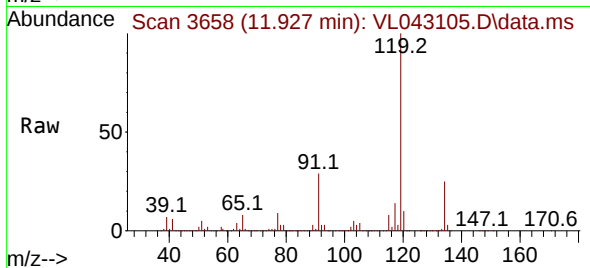
Tgt Ion: 95 Resp: 241468
 Ion Ratio Lower Upper
 95 100
 174 60.4 48.3 72.5
 175 4.8 3.8 5.8





#69
p-Isopropyltoluene
Concen: 8.955 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

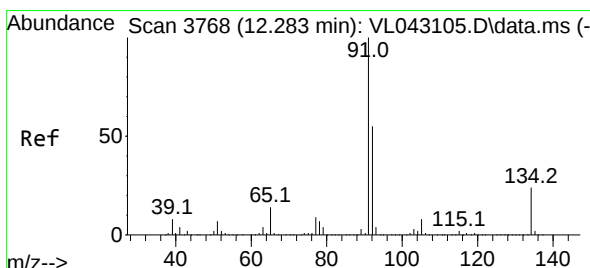
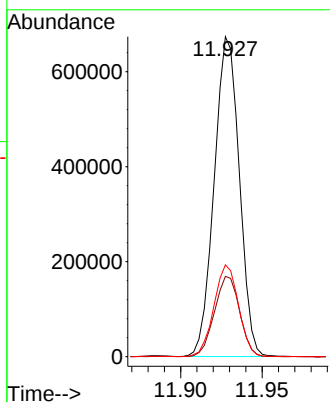
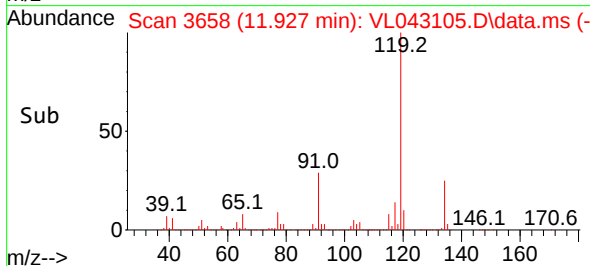
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



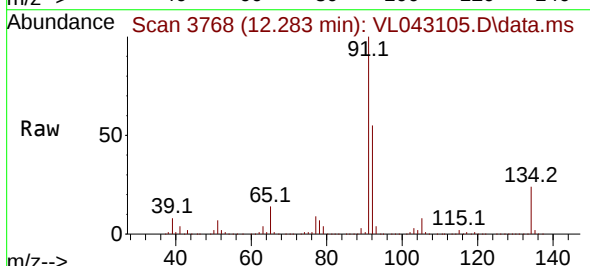
Tgt Ion:119 Resp: 720431
Ion Ratio Lower Upper
119 100
134 25.4 20.3 30.5
91 28.3 22.6 33.8

Manual Integrations
APPROVED

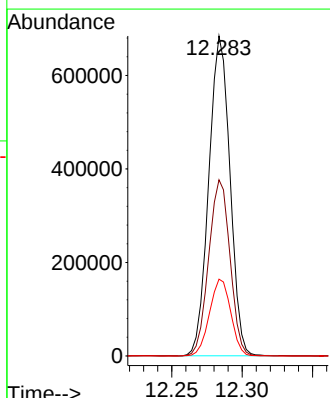
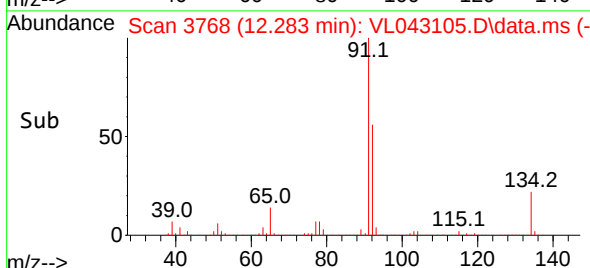
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

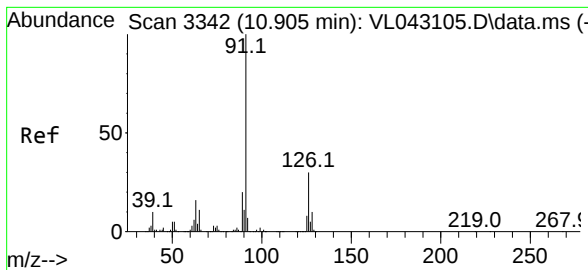


#70
n-Butylbenzene
Concen: 9.053 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31



Tgt Ion: 91 Resp: 717743
Ion Ratio Lower Upper
91 100
92 55.6 44.5 66.7
134 24.1 19.3 28.9





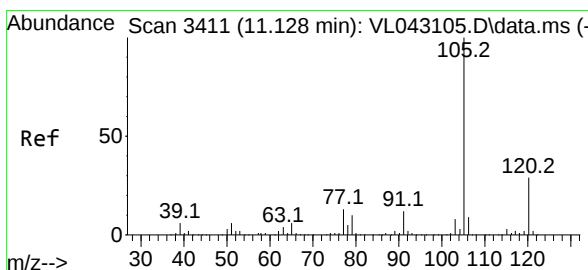
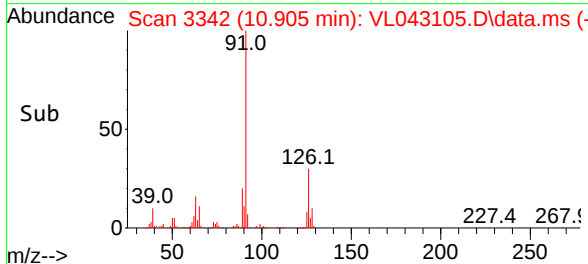
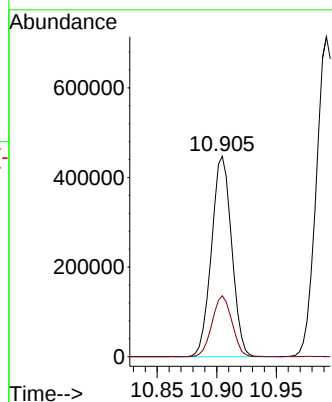
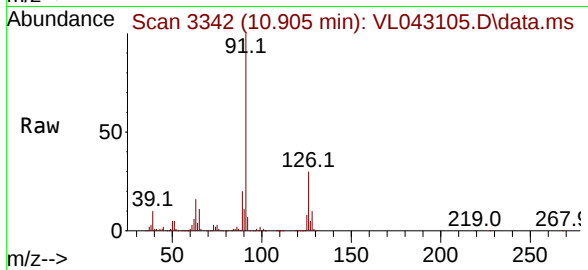
#71
2-Chlorotoluene
Concen: 9.111 ppbv
RT: 10.905 min Scan# 3342
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 52496
Ion Ratio Lower Upper
91 100
126 30.0 12.0 48.0

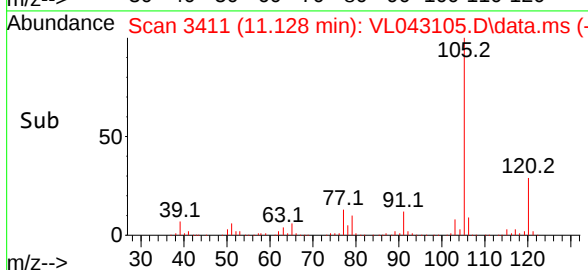
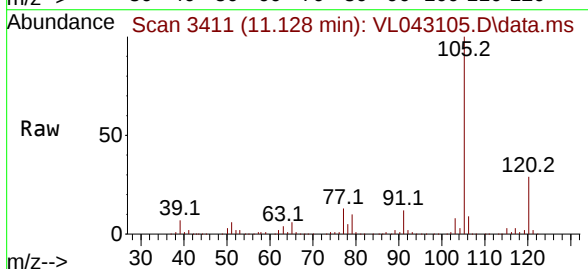
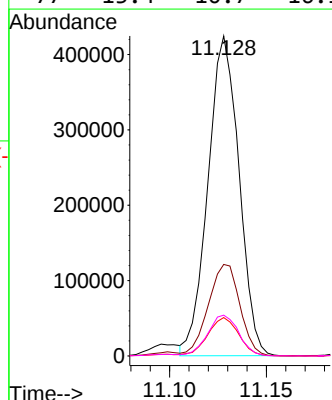
Manual Integrations
APPROVED

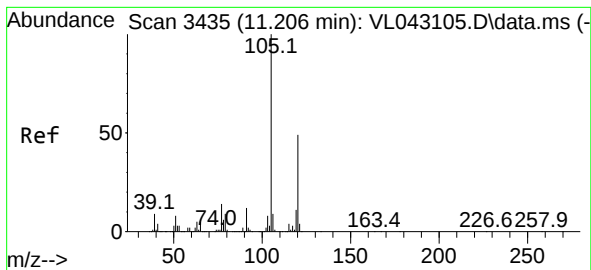
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#72
4-Ethyltoluene
Concen: 9.202 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:105 Resp: 473042
Ion Ratio Lower Upper
105 100
120 30.3 24.2 36.4
91 12.5 10.0 15.0
77 13.4 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 9.195 ppbv

RT: 11.206 min Scan# 3435

Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 389818

Ion Ratio Lower Upper

105 100

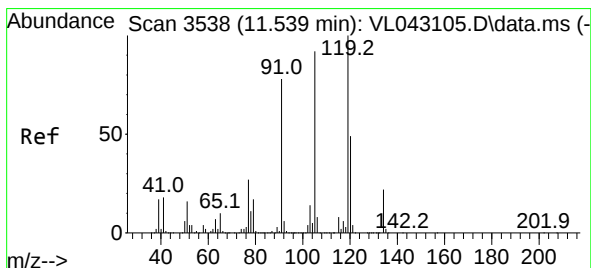
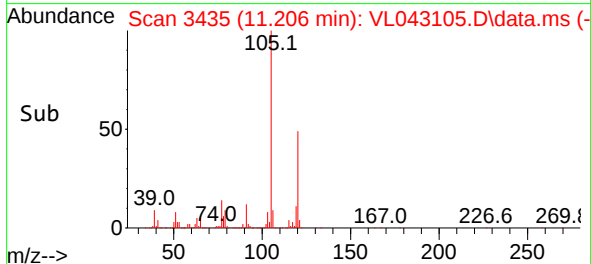
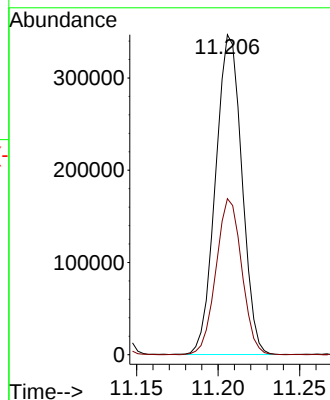
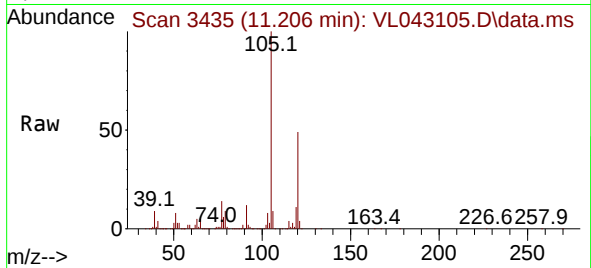
120 48.8 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#74

1,2,4-Trimethylbenzene

Concen: 8.676 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

Tgt Ion:105 Resp: 411619

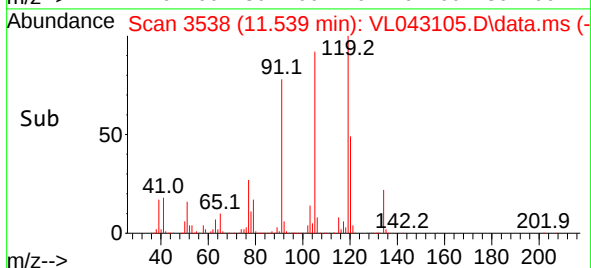
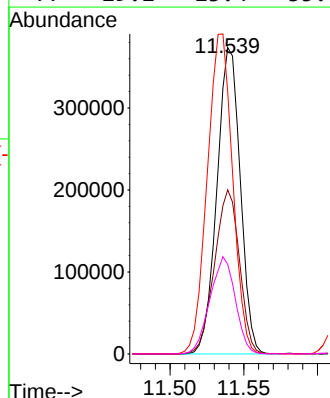
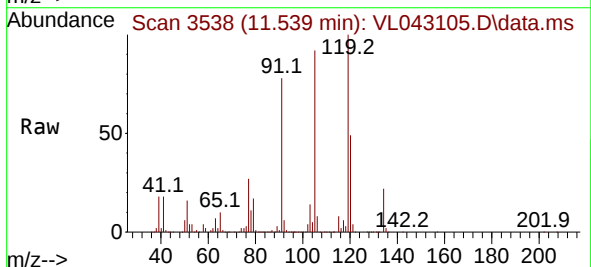
Ion Ratio Lower Upper

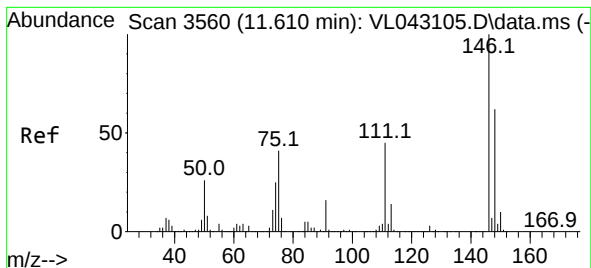
105 100

120 53.5 42.8 64.2

91 85.4 68.3 102.5

77 29.2 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 9.192 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:146 Resp: 252920

Ion Ratio Lower Upper

146 100

111 46.6 23.3 69.9

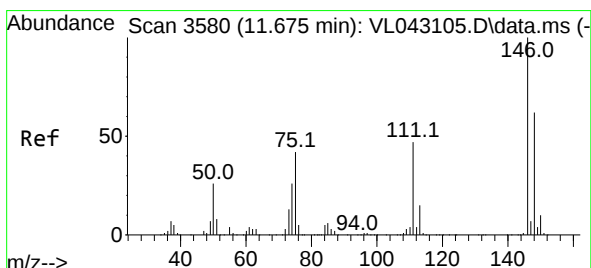
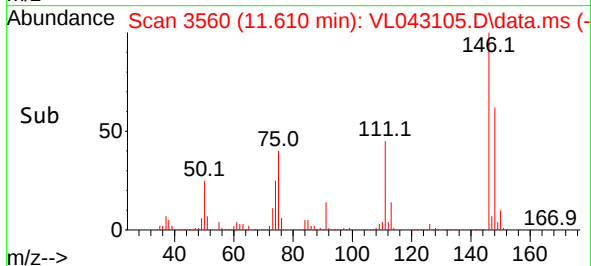
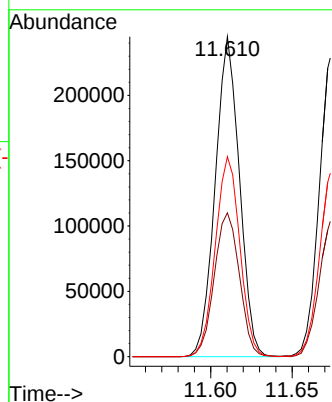
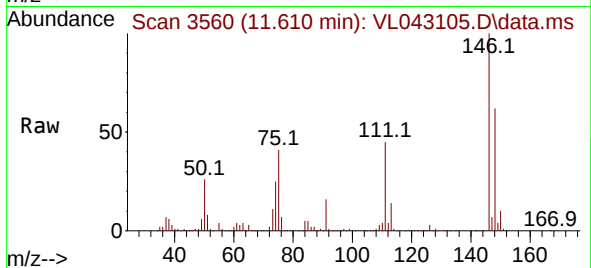
148 63.3 31.6 95.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#76

1,4-Dichlorobenzene

Concen: 9.171 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

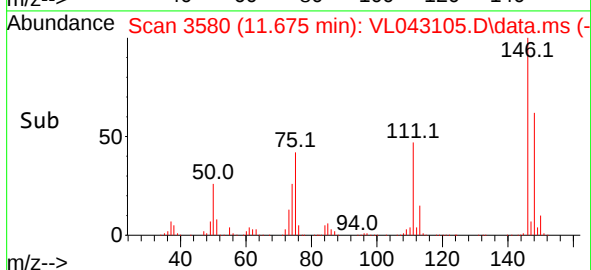
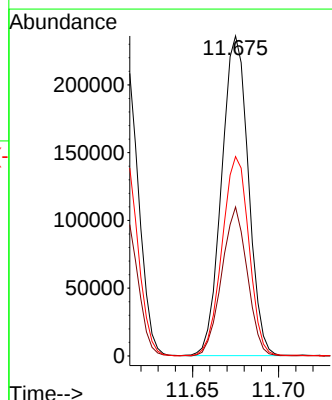
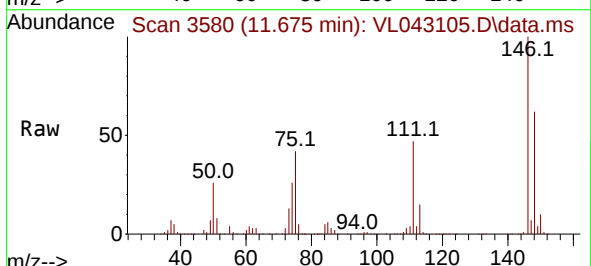
Tgt Ion:146 Resp: 254461

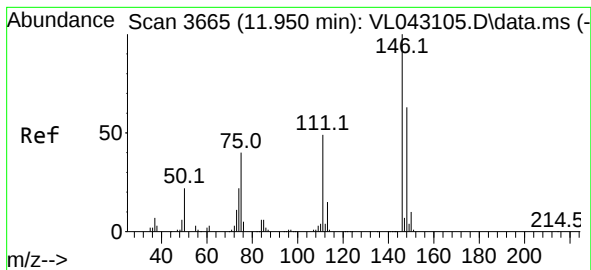
Ion Ratio Lower Upper

146 100

111 44.7 22.4 67.0

148 63.1 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 8.893 ppbv

RT: 11.950 min Scan# 3665

Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:146 Resp: 236724

Ion Ratio Lower Upper

146 100

111 48.0 24.0 72.0

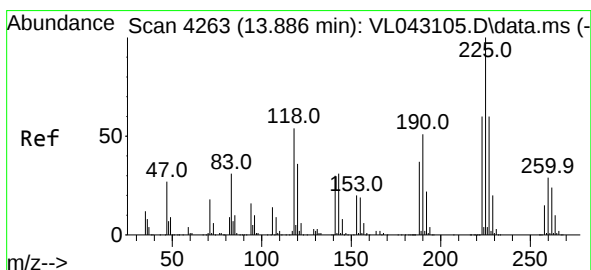
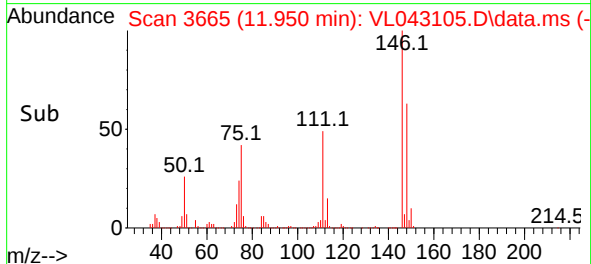
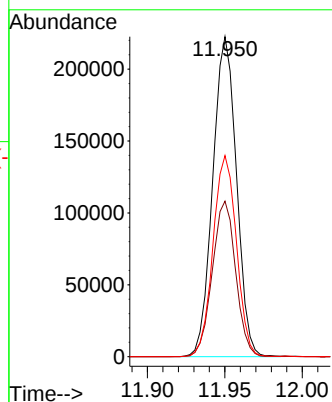
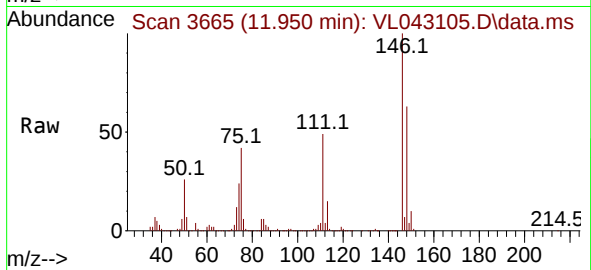
148 62.2 31.1 93.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#78

Hexachloro-1,3-Butadiene

Concen: 8.334 ppbv

RT: 13.886 min Scan# 4263

Delta R.T. 0.000 min

Lab File: VL043105.D

Acq: 14 Oct 2025 10:31

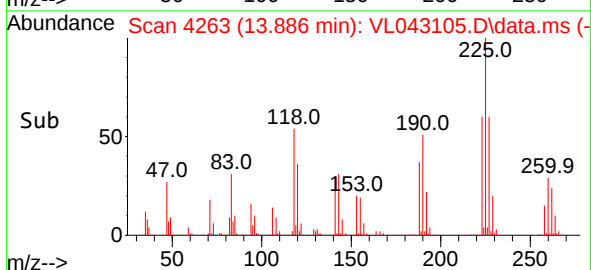
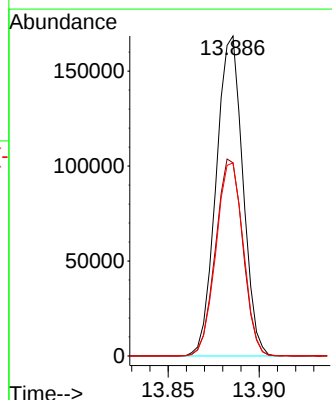
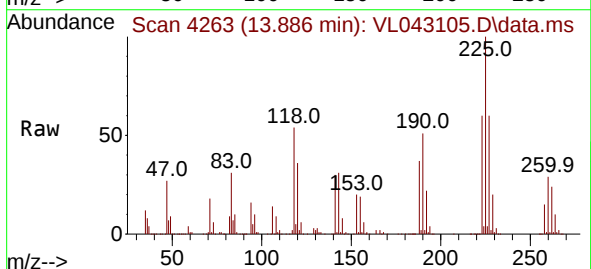
Tgt Ion:225 Resp: 171777

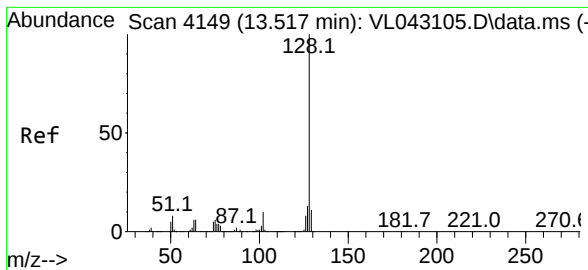
Ion Ratio Lower Upper

225 100

223 62.8 50.2 75.4

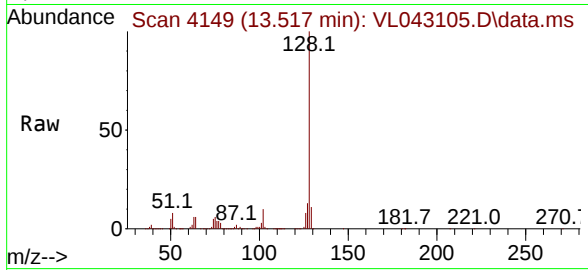
227 62.0 49.6 74.4





#79
Naphthalene
Concen: 9.972 ppbv
RT: 13.517 min Scan# 4149
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

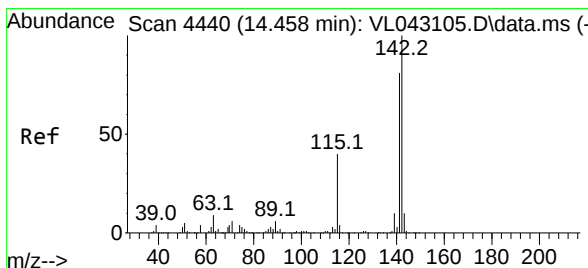
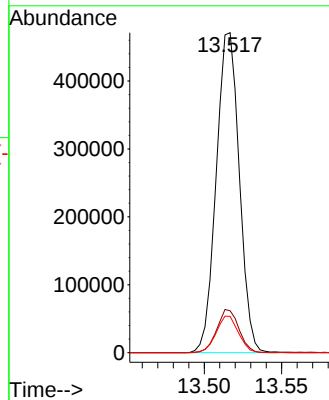
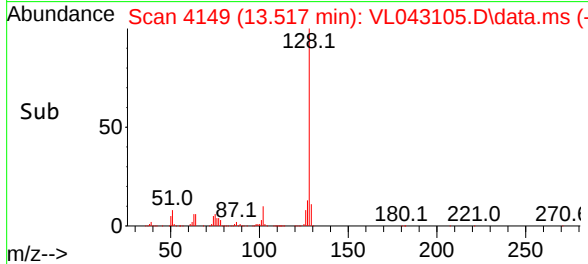
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



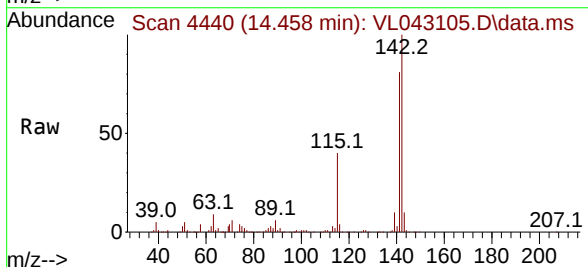
Tgt Ion:128 Resp: 488672
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.4 9.1 13.7

Manual Integrations
APPROVED

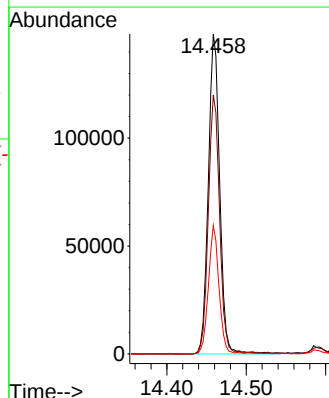
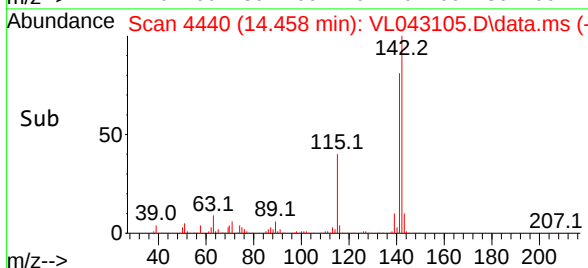
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

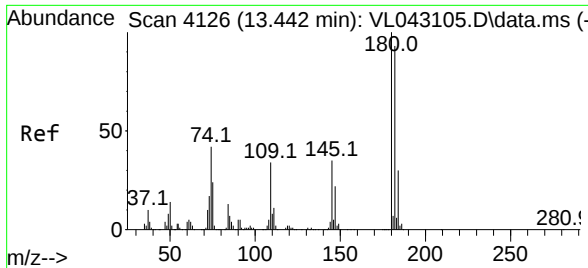


#80
Naphthalene,2-methyl-
Concen: 11.431 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31



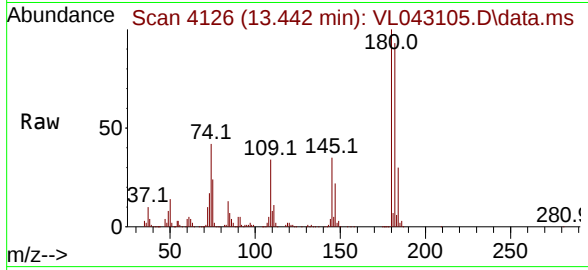
Tgt Ion:142 Resp: 147897
Ion Ratio Lower Upper
142 100
141 80.8 64.6 97.0
115 37.8 30.2 45.4





#81
 1,2,4-Trichlorobenzene
 Concen: 9.582 ppbv
 RT: 13.442 min Scan# 4126
 Delta R.T. 0.000 min
 Lab File: VL043105.D
 Acq: 14 Oct 2025 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion:180 Resp: 197210

Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.5	113.3
184	29.9	23.9	35.9

Manual Integrations
 APPROVED

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

