

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041917.D
 Acq On : 20 Jan 2025 12:25
 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 01/21/2025
 Supervised By : Mahesh Dadoda 01/21/2025

Quant Time: Jan 21 03:02:14 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

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

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	141673	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.955	114	411747	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.878	117	366617	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 293204 10.154 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	203725	10.557	ppbv	99
3) Chlorodifluoromethane	1.473	51	206837	10.231	ppbv	98
4) Chloromethane	1.531	50	74817	10.309	ppbv	98
5) Vinyl Chloride	1.576	62	75435	10.262	ppbv	94
6) Bromomethane	1.667	94	34889	9.958	ppbv	93
7) Chloroethane	1.703	64	29546	10.330	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	171284	10.156	ppbv	100
9) Propene	1.483	41	84715	10.173	ppbv	98
10) Heptane	4.975	43	229131	10.294	ppbv	100
11) Trichlorofluoromethane	1.874	101	197469	9.837	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	160467	10.200	ppbv	99
13) Ethanol	1.719	45	3749	6.146	ppbv	94
14) Bromoethene	1.780	108	56412	9.793	ppbv	99
15) Acetone	1.832	43	153081	8.996	ppbv	98
16) 1,3-Butadiene	1.606	39	76981	10.080	ppbv	97
17) tert-Butyl alcohol	2.039	59	188440	8.998	ppbv	99
18) 1,1-Dichloroethene	2.033	96	69158	9.753	ppbv	90
19) Isopropyl Alcohol	1.884	45	89019	8.823	ppbv	92
20) Methylene Chloride	2.059	84	57546	8.557	ppbv	96
21) Allyl Chloride	2.094	41	119961	10.181	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	79830	9.975	ppbv	97
23) Vinyl Acetate	2.460	43	79276	9.399	ppbv #	96
24) 1,1-Dichloroethane	2.405	63	155899	10.071	ppbv	100
25) Ethyl Acetate	2.832	43	472214	10.291	ppbv	100
26) Hexane	2.823	57	189473	10.441	ppbv	98
27) Carbon Disulfide	2.146	76	191777	10.679	ppbv	98
28) Methyl tert-Butyl Ether	2.441	73	134406	9.690	ppbv	99
29) Chloroform	2.845	83	293833	10.243	ppbv	99
30) Cyclohexane	3.852	84	164556	10.454	ppbv	96
31) cis-1,2-Dichloroethene	2.719	61	193337	10.118	ppbv	94
32) 1,1,1-Trichloroethane	3.363	97	295721	10.773	ppbv	99
34) 2-Butanone	2.554	43	279040	10.656	ppbv	99
35) Carbon Tetrachloride	3.758	117	297344	11.497	ppbv	99
36) Benzene	3.651	78	390961	10.353	ppbv	98
37) 1,2-Dichloroethane	3.214	62	226025	10.657	ppbv	99
38) Trichloroethene	4.541	130	156566	10.447	ppbv	96
39) 1,2-Dichloropropane	4.308	63	135938	10.262	ppbv	98
40) 1,4-Dioxane	4.580	88	62682	9.370	ppbv #	91
41) Tetrahydrofuran	3.052	42	153011	10.752	ppbv	98
42) Bromodichloromethane	4.486	83	311544	10.955	ppbv	98
43) Methyl Methacrylate	4.878	69	146142	10.417	ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	643085	10.528	ppbv	100
45) t-1,3-Dichloropropene	6.409	75	147278	11.215	ppbv	98

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Instrument :
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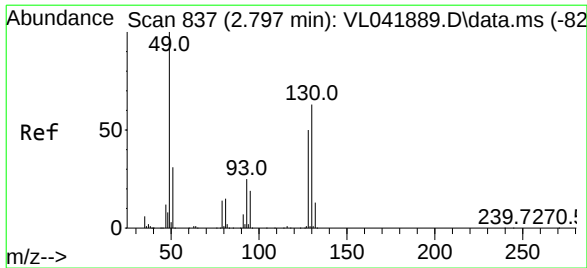
Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/21/2025
 Supervised By : Mahesh Dadoda 01/21/2025

Quant Time: Jan 21 03:02:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	191623	11.114	ppbv	97
47) 1,1,2-Trichloroethane	6.577	97	151234	10.772	ppbv	96
48) Dibromochloromethane	7.383	129	250059	11.543	ppbv	98
49) Bromoform	9.480	173	208438	11.713	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	380994	10.658	ppbv	99
51) 2-Hexanone	7.435	43	296893	10.809	ppbv #	98
52) Tetrachloroethene	8.221	164	128925	9.846	ppbv	97
53) Toluene	6.927	91	441480	10.732	ppbv	99
54) 1,2-Dibromoethane	7.648	107	208665	10.811	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.920	131	196915	10.766	ppbv	99
57) Chlorobenzene	8.917	112	344297	10.181	ppbv	97
58) Ethyl Benzene	9.351	91	621872	10.854	ppbv	98
59) m/p-Xylene	9.545	91	998348m	21.739	ppbv	
60) o-Xylene	9.963	91	501346	10.998	ppbv	99
61) Styrene	9.869	104	230415	11.268	ppbv	100
62) Isopropylbenzene	10.535	105	754701	10.699	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	308812	10.602	ppbv	99
64) n-propylbenzene	10.989	120	191700	10.756	ppbv	99
65) tert-Butylbenzene	11.529	119	689403	10.725	ppbv	99
66) Benzyl Chloride	11.613	91	43319	10.888	ppbv	99
67) sec-Butylbenzene	11.765	105	942685	10.650	ppbv	100
69) p-Isopropyltoluene	11.924	119	791581	10.860	ppbv	100
70) n-Butylbenzene	12.280	91	761646	10.537	ppbv	100
71) 2-Chlorotoluene	10.898	91	559890	10.730	ppbv	100
72) 4-Ethyltoluene	11.124	105	594409	10.901	ppbv	100
73) 1,3,5-Trimethylbenzene	11.202	105	519084	10.780	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	556666	10.675	ppbv	95
75) 1,3-Dichlorobenzene	11.607	146	318934	10.321	ppbv	100
76) 1,4-Dichlorobenzene	11.671	146	318485	10.535	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	314384	10.266	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	228831	9.104	ppbv	99
79) Naphthalene	13.513	128	503311	9.586	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	179578	7.214	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	238914	9.322	ppbv	97

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



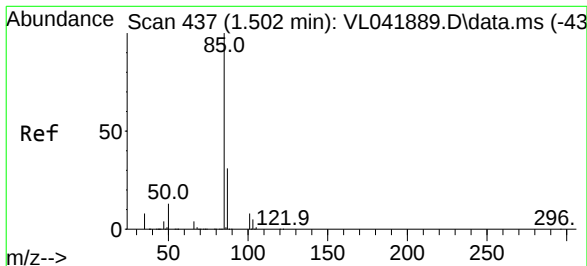
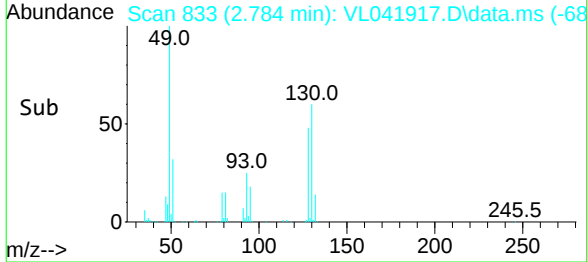
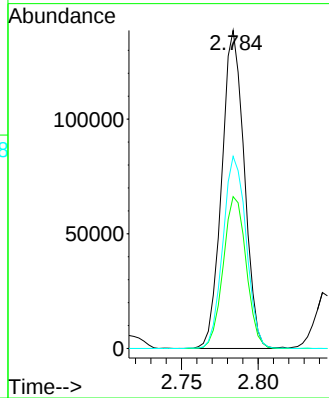
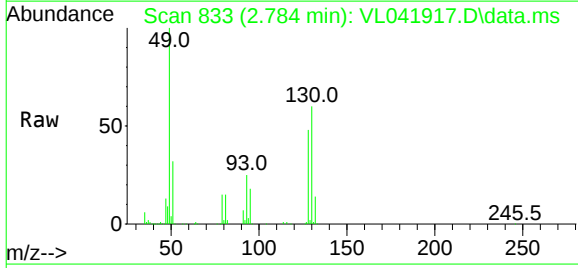
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 831
Delta R.T. -0.013 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 141673
Ion Ratio Lower Upper
49 100
128 48.8 24.3 73.0
130 62.5 31.1 93.2

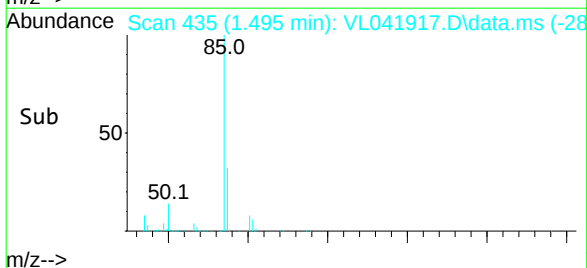
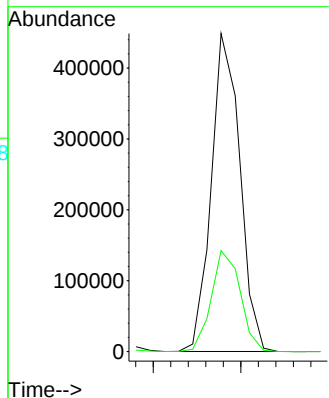
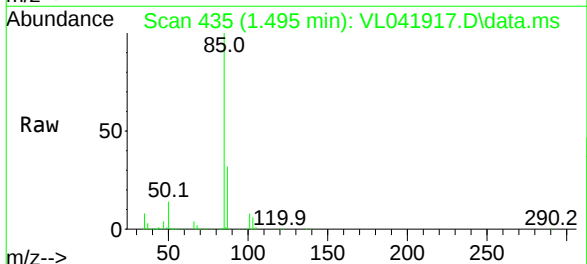
Manual Integrations
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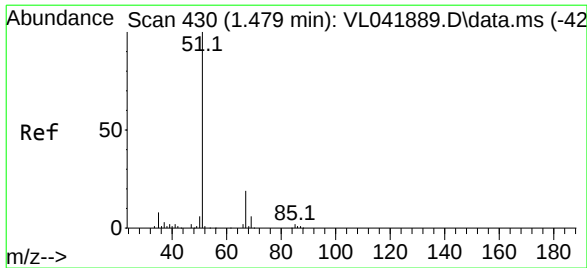
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#2
Dichlorodifluoromethane
Concen: 10.557 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.006 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

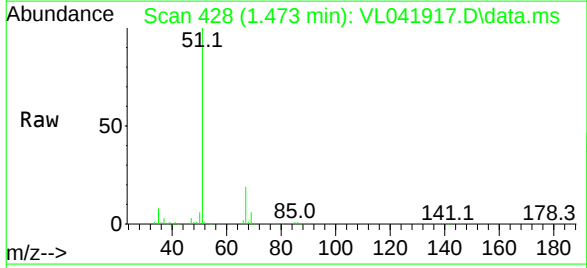
Tgt Ion: 85 Resp: 203725
Ion Ratio Lower Upper
85 100
87 31.8 24.9 37.3





#3
Chlorodifluoromethane
Concen: 10.231 ppbv
RT: 1.473 min Scan# 42
Delta R.T. -0.006 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

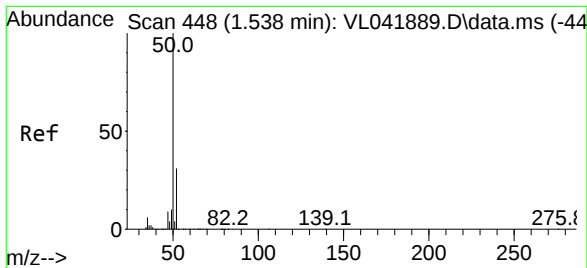
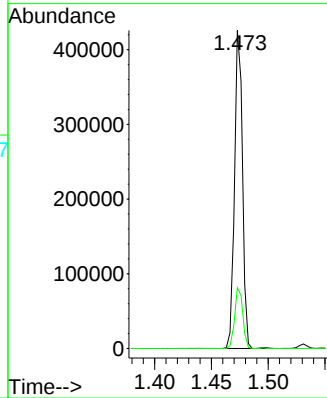
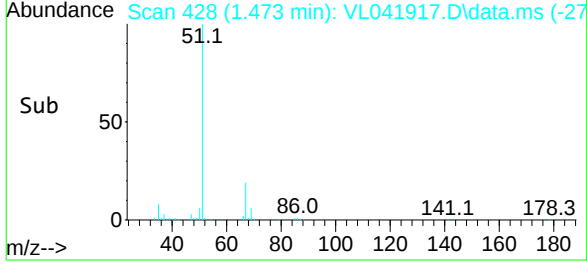
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 51 Resp: 206837
Ion Ratio Lower Upper
51 100
67 19.6 15.0 22.4

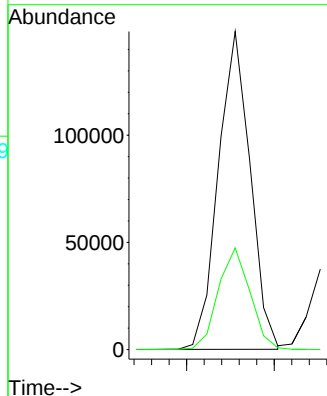
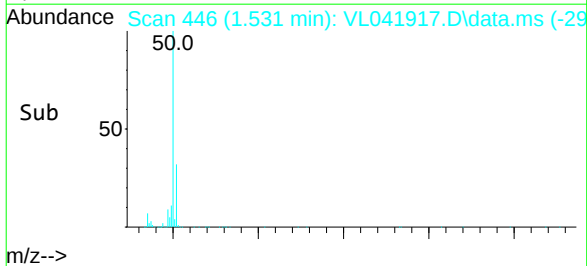
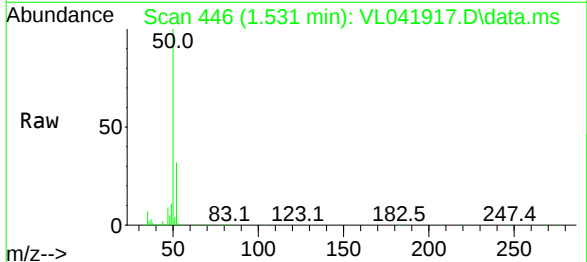
Manual Integrations
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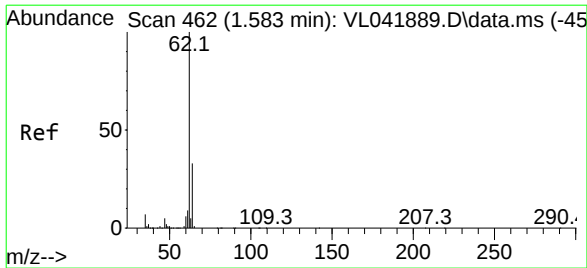
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#4
Chloromethane
Concen: 10.309 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.006 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

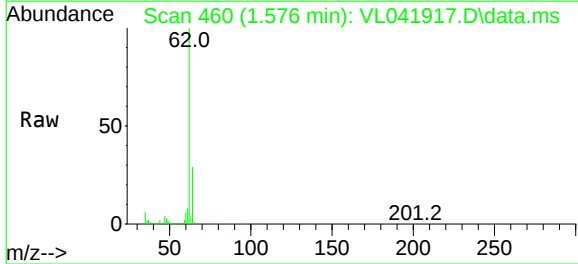
Tgt Ion: 50 Resp: 74817
Ion Ratio Lower Upper
50 100
52 31.9 24.6 36.8





#5
 Vinyl Chloride
 Concen: 10.262 ppbv
 RT: 1.576 min Scan# 461
 Delta R.T. -0.006 min
 Lab File: VL041917.D
 Acq: 20 Jan 2025 12:25

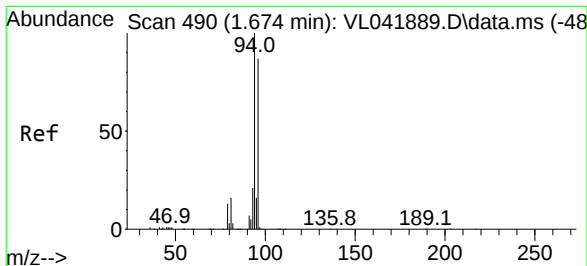
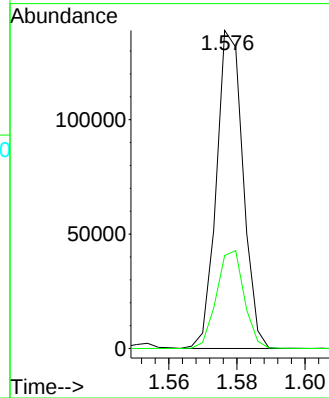
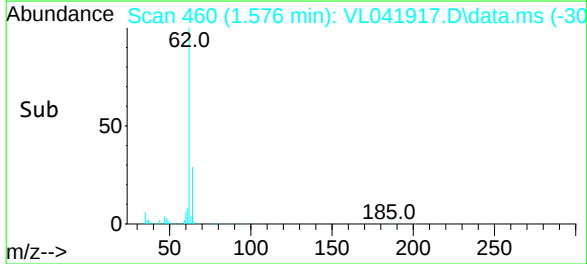
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 62 Resp: 75435
 Ion Ratio Lower Upper
 62 100
 64 29.2 26.1 39.1

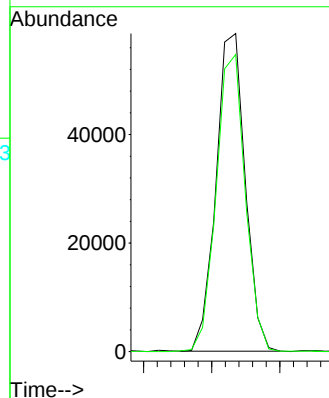
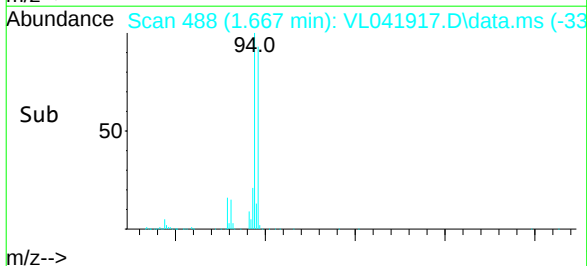
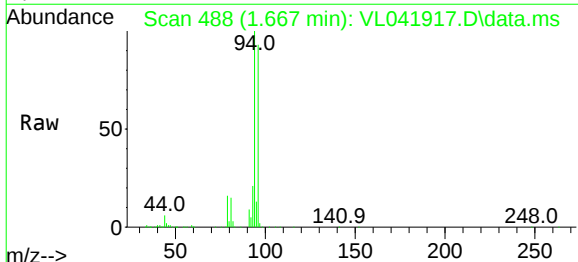
Manual Integrations
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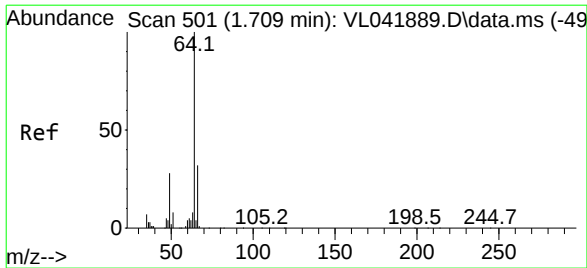
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025



#6
 Bromomethane
 Concen: 9.958 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.006 min
 Lab File: VL041917.D
 Acq: 20 Jan 2025 12:25

Tgt Ion: 94 Resp: 34889
 Ion Ratio Lower Upper
 94 100
 96 93.4 69.5 104.3





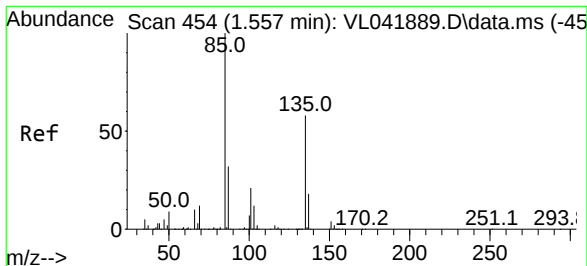
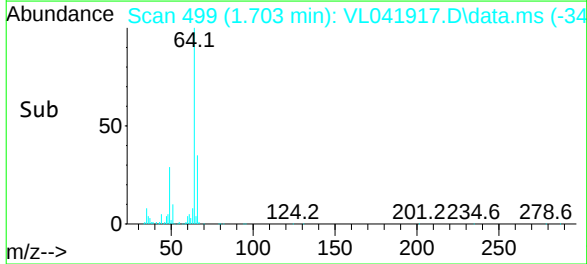
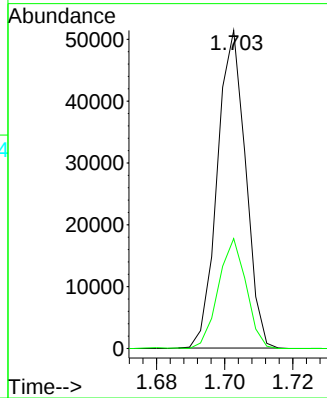
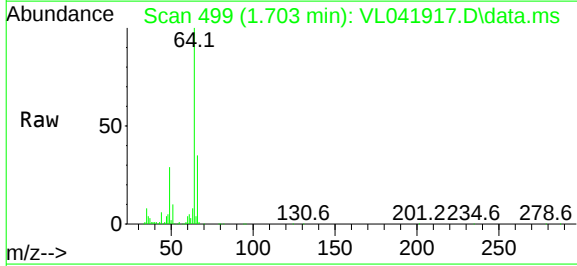
#7
Chloroethane
Concen: 10.330 ppbv
RT: 1.703 min Scan# 49
Delta R.T. -0.006 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 29546
Ion Ratio Lower Upper
64 100
66 34.6 25.7 38.5

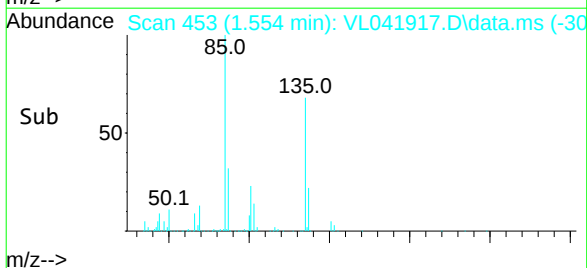
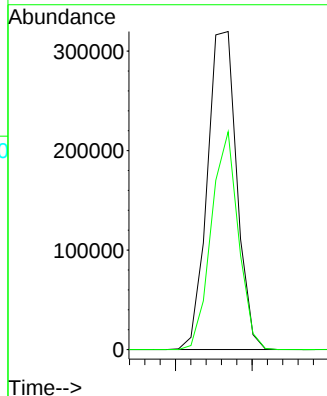
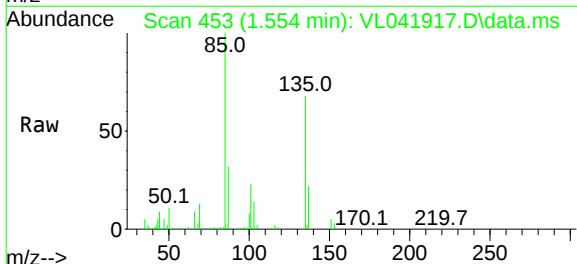
Manual Integrations
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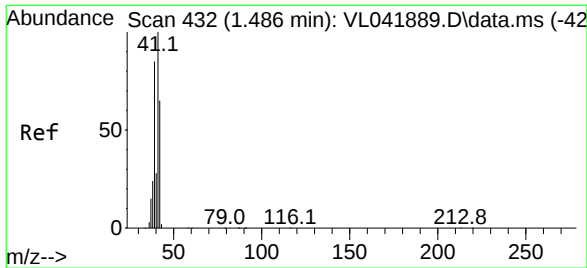
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#8
Dichlorotetrafluoroethane
Concen: 10.156 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.003 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

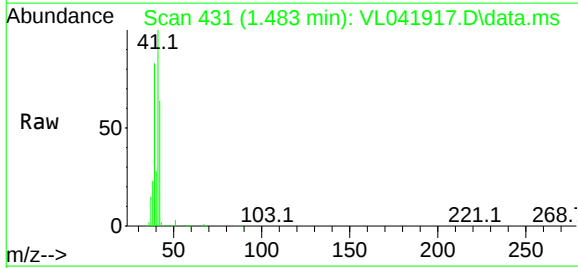
Tgt Ion: 85 Resp: 171284
Ion Ratio Lower Upper
85 100
135 62.9 50.0 75.0





#9
Propene
Concen: 10.173 ppbv
RT: 1.483 min Scan# 43
Delta R.T. -0.003 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

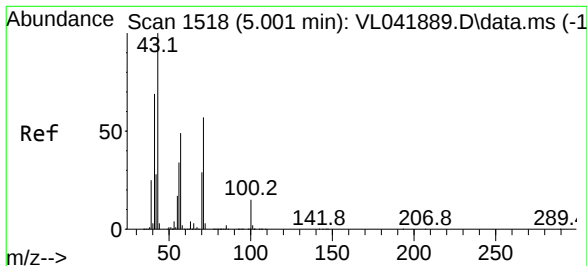
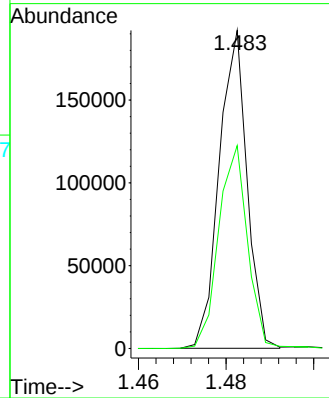
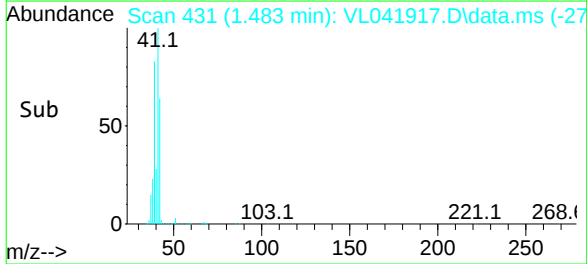
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



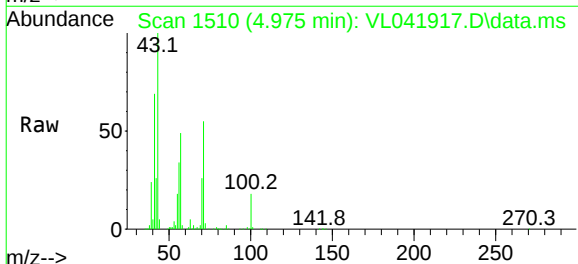
Tgt Ion: 41 Resp: 84715
Ion Ratio Lower Upper
41 100
42 66.9 52.0 78.0

Manual Integrations
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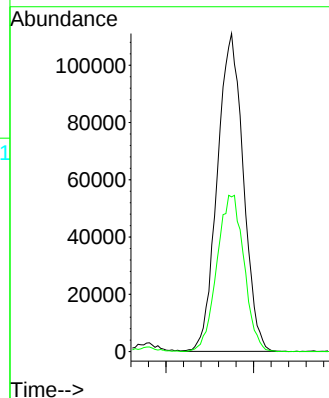
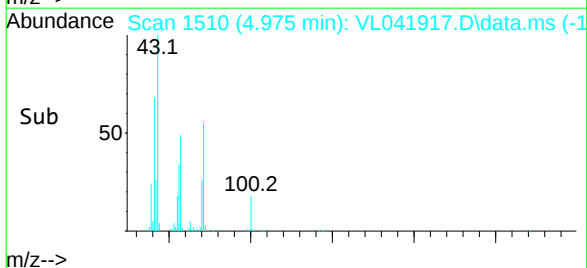
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Supervised By :Mahesh Dadoda 01/21/2025

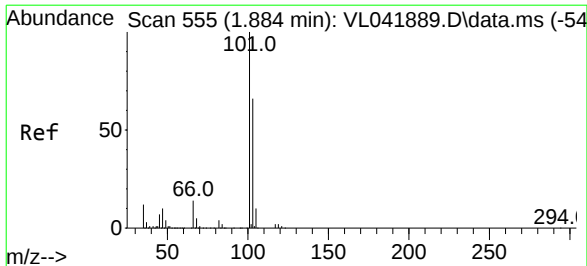


#10
Heptane
Concen: 10.294 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. -0.026 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25



Tgt Ion: 43 Resp: 229131
Ion Ratio Lower Upper
43 100
57 51.2 41.0 61.4





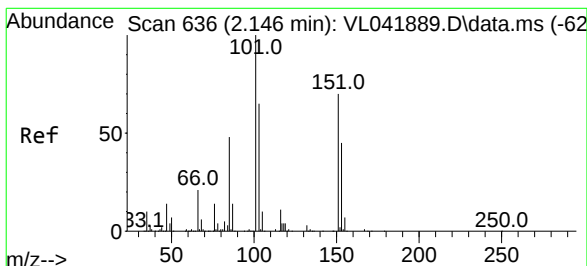
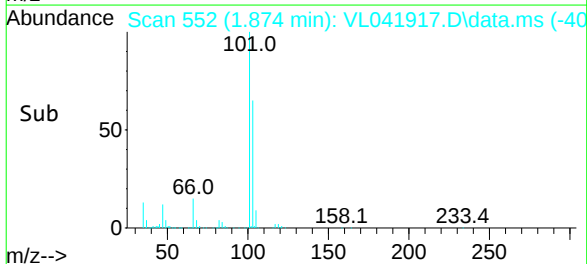
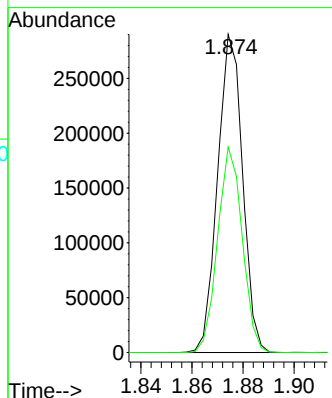
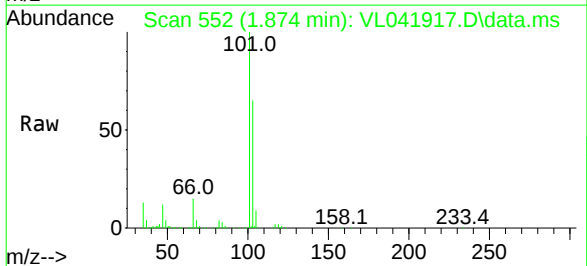
#11
Trichlorofluoromethane
Concen: 9.837 ppbv
RT: 1.874 min Scan# 555
Delta R.T. -0.010 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 197469
Ion Ratio Lower Upper
101 100
103 64.5 53.1 79.7

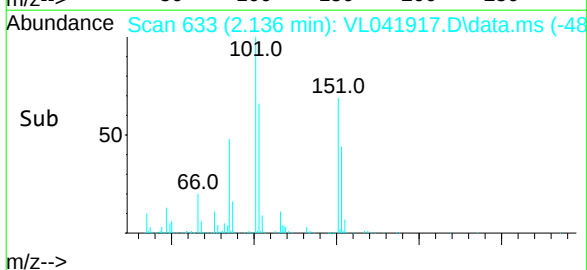
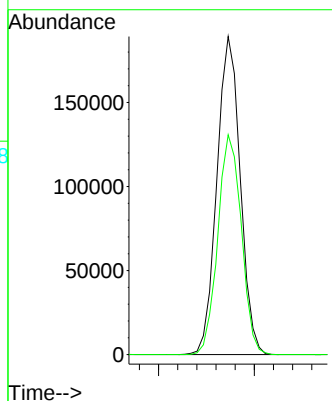
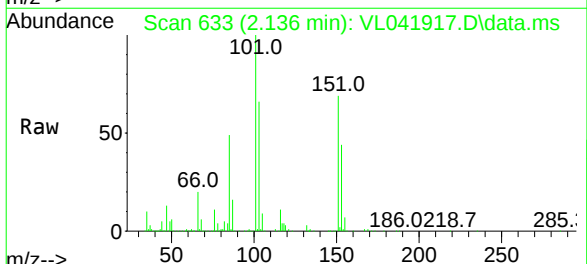
Manual Integrations
APPROVED

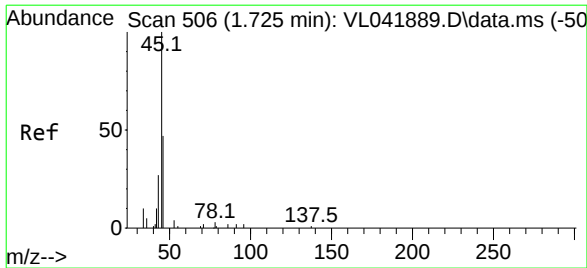
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.200 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.010 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

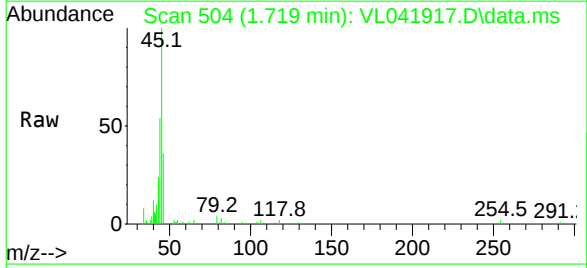
Tgt Ion:101 Resp: 160467
Ion Ratio Lower Upper
101 100
151 69.6 56.1 84.1





#13
Ethanol
Concen: 6.146 ppbv
RT: 1.719 min Scan# 506
Delta R.T. -0.006 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

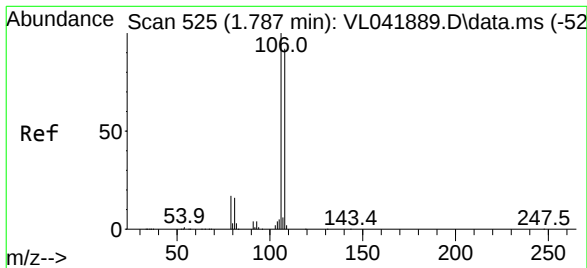
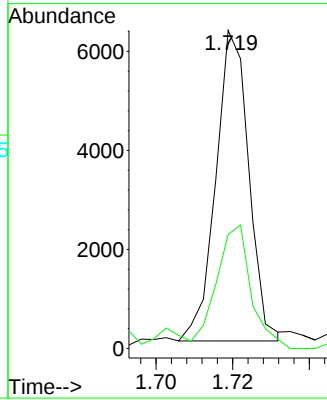
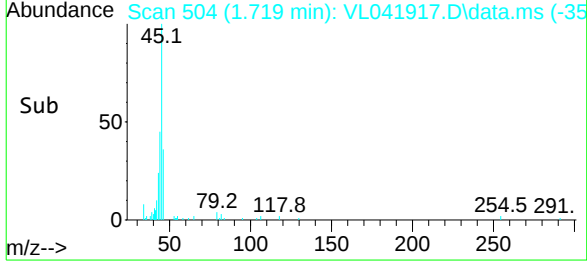
Instrument : MSVOA_L
ClientSampleId : VSTDCCC010



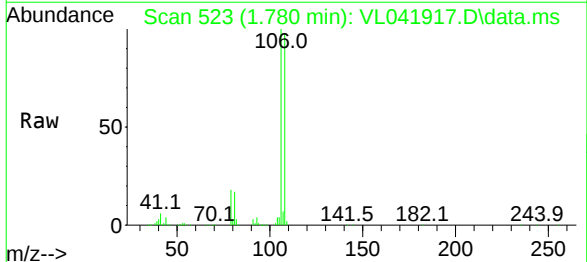
Tgt Ion: 45 Resp: 3749
Ion Ratio Lower Upper
45 100
46 49.5 18.1 72.5

Manual Integrations
APPROVED

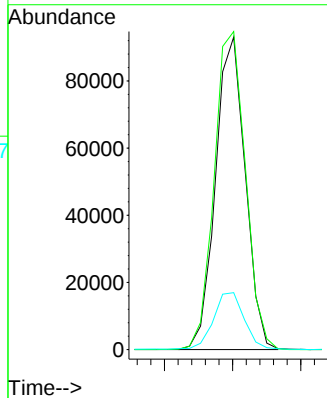
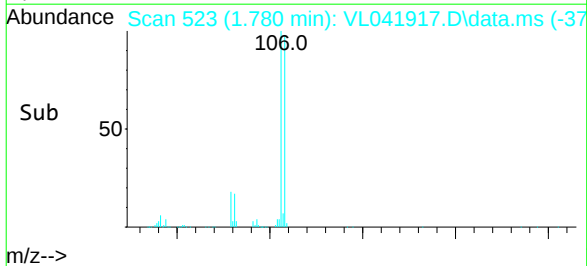
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

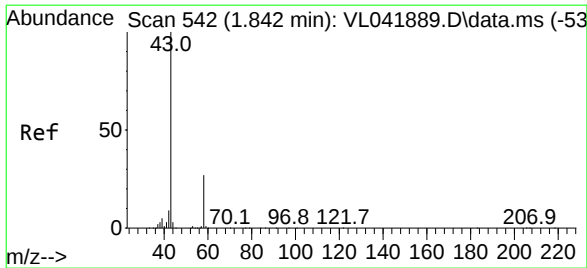


#14
Bromoethene
Concen: 9.793 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.006 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25



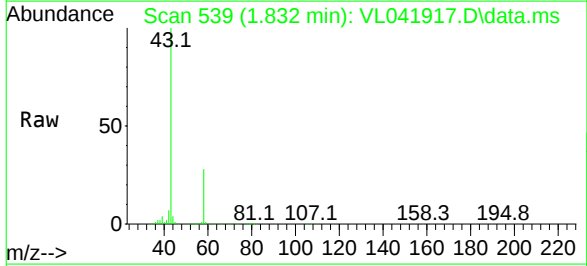
Tgt Ion:108 Resp: 56412
Ion Ratio Lower Upper
108 100
106 106.6 85.5 128.3
79 20.0 15.3 22.9





#15
Acetone
Concen: 8.996 ppbv
RT: 1.832 min Scan# 53
Delta R.T. -0.010 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

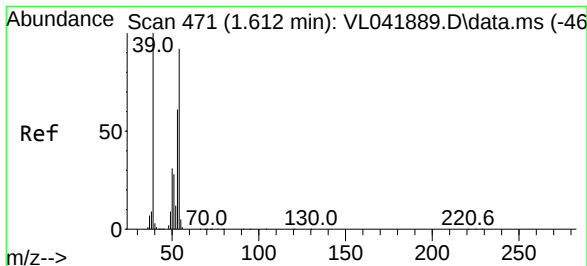
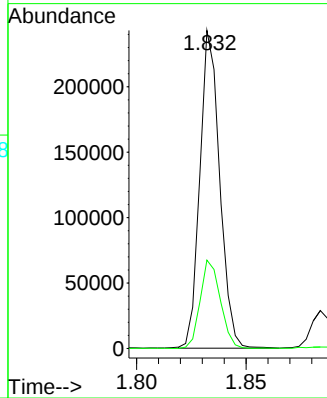
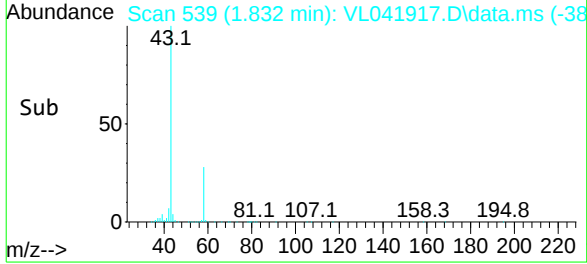
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 153081
Ion Ratio Lower Upper
43 100
58 28.5 21.9 32.9

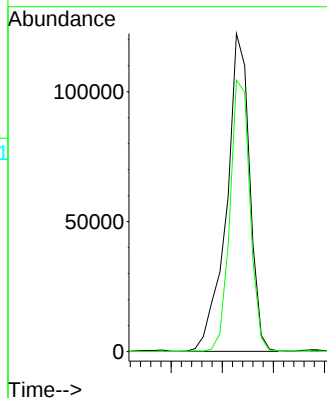
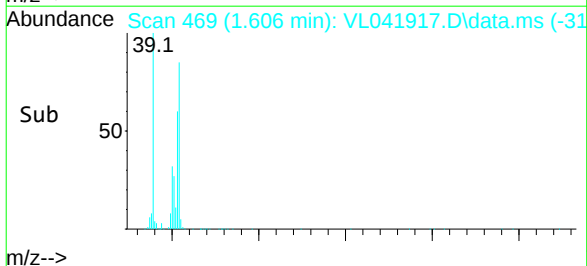
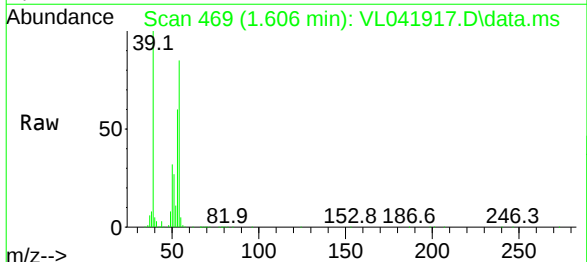
Manual Integrations
APPROVED

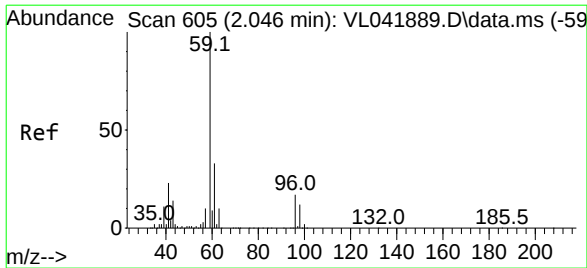
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#16
1,3-Butadiene
Concen: 10.080 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.007 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Tgt Ion: 39 Resp: 76981
Ion Ratio Lower Upper
39 100
54 74.6 61.6 92.4





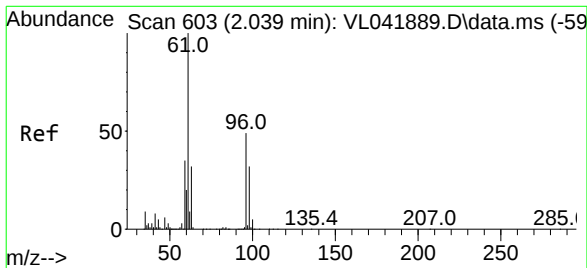
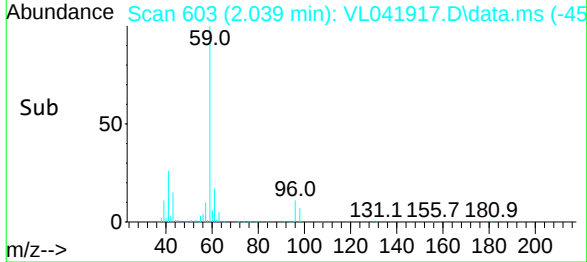
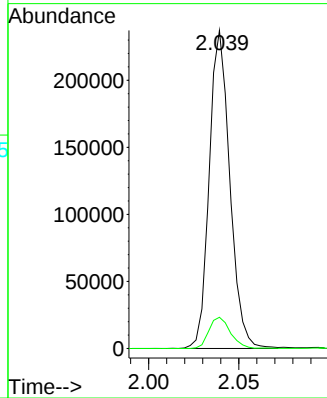
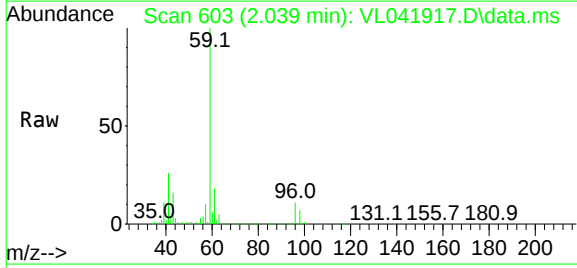
#17
tert-Butyl alcohol
Concen: 8.998 ppbv
RT: 2.039 min Scan# 601
Delta R.T. -0.006 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 188440
Ion Ratio Lower Upper
59 100
57 10.3 7.8 11.8

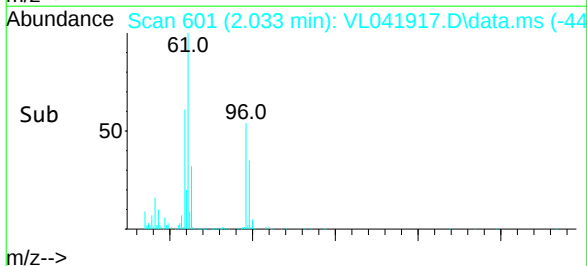
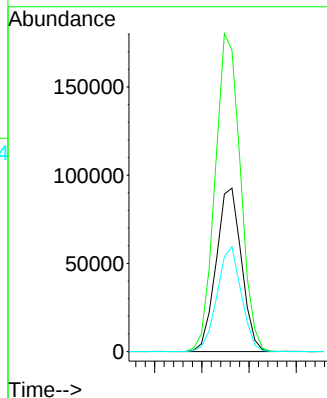
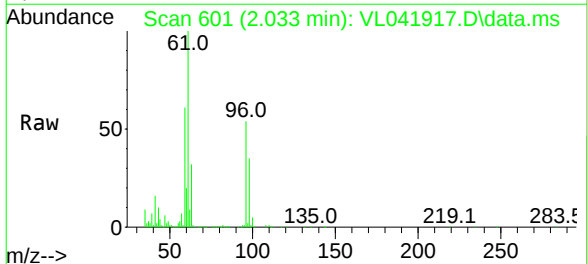
Manual Integrations
APPROVED

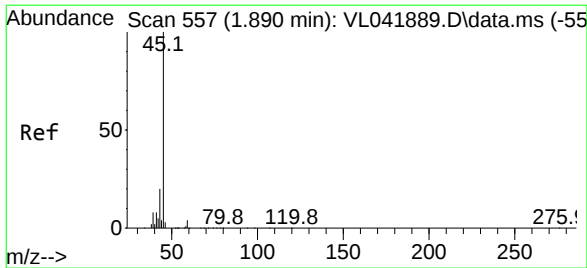
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#18
1,1-Dichloroethene
Concen: 9.753 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.006 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

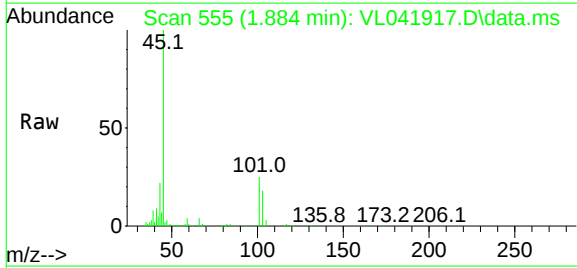
Tgt Ion: 96 Resp: 69158
Ion Ratio Lower Upper
96 100
61 184.3 163.1 244.7
98 64.2 52.7 79.1





#19
Isopropyl Alcohol
Concen: 8.823 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.006 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

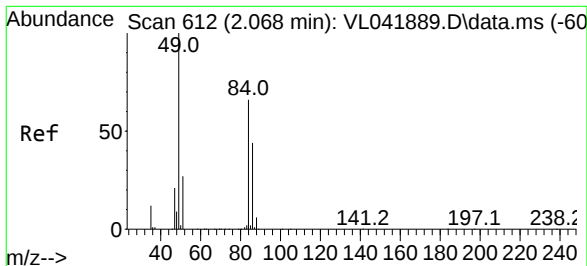
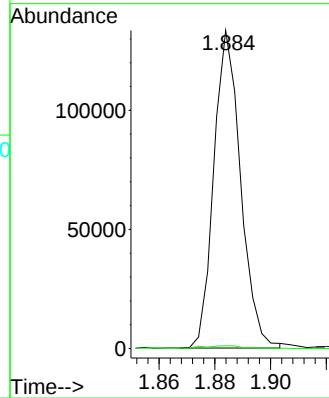
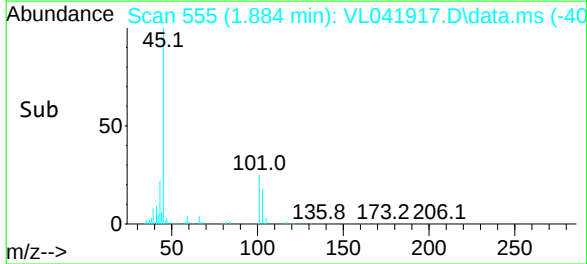
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 45 Resp: 89019
Ion Ratio Lower Upper
45 100
58 48.9 35.0 52.6

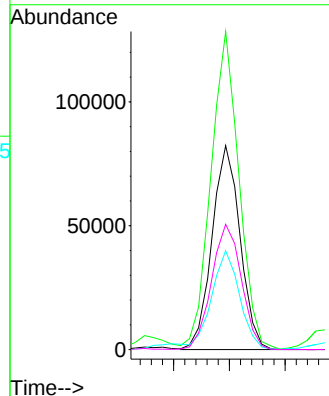
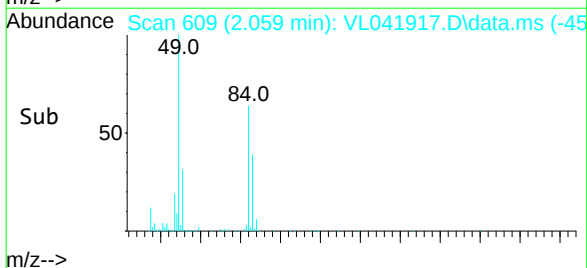
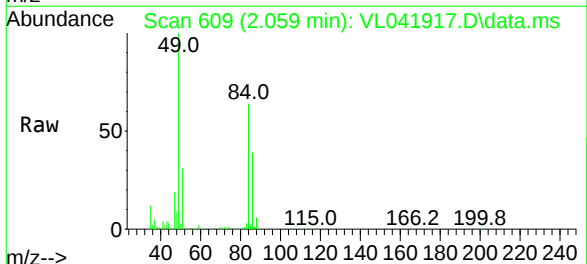
Manual Integrations
APPROVED

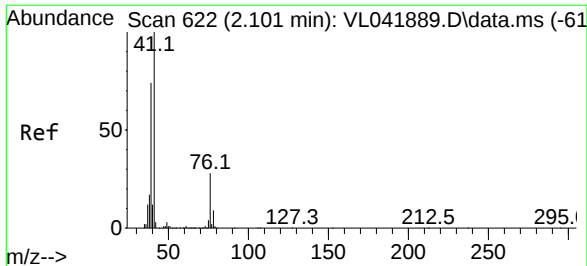
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#20
Methylene Chloride
Concen: 8.557 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Tgt Ion: 84 Resp: 57546
Ion Ratio Lower Upper
84 100
49 155.7 123.1 184.7
51 48.3 35.8 53.8
86 61.4 53.7 80.5





#21

Allyl Chloride

Concen: 10.181 ppbv

RT: 2.094 min Scan# 62

Delta R.T. -0.006 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

Instrument :

MSVOA_L

ClientSampleId :

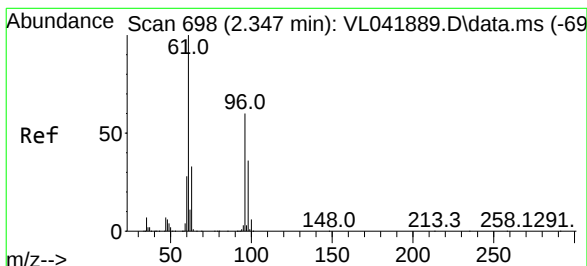
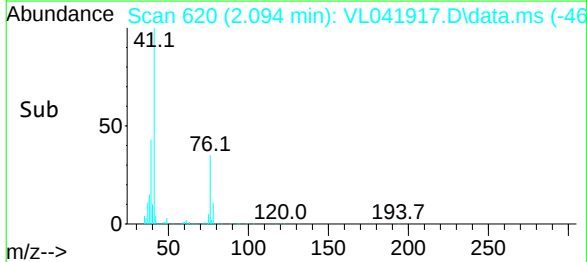
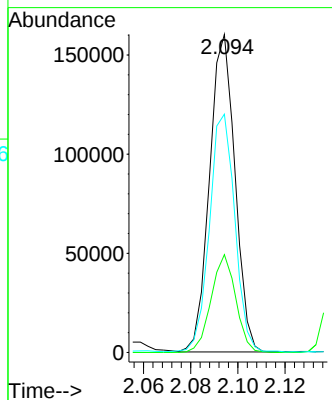
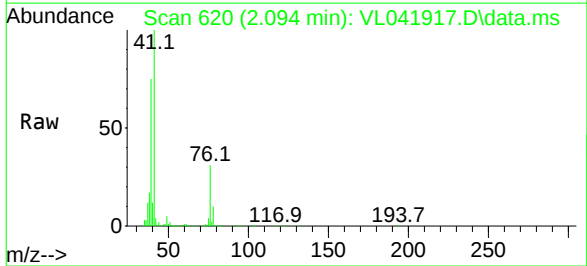
VSTDCCC010

Tgt Ion: 41	Resp: 119961
Ion Ratio	Lower Upper
41 100	
76 29.8	24.2 36.4
39 75.0	60.6 91.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#22

trans-1,2-Dichloroethene

Concen: 9.975 ppbv

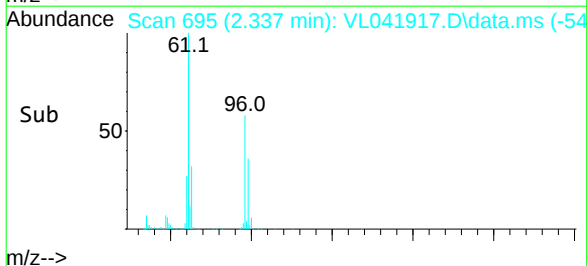
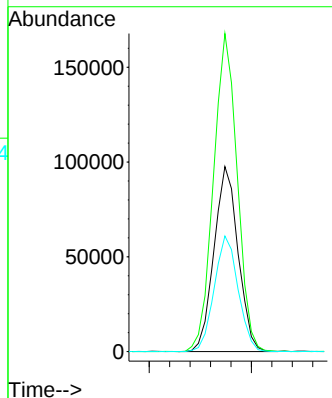
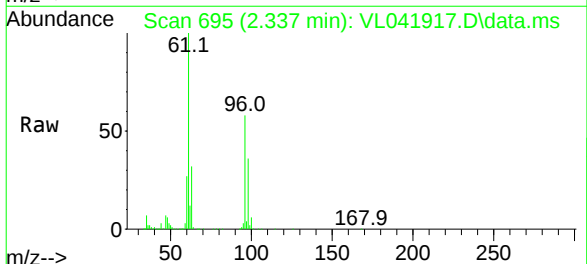
RT: 2.337 min Scan# 695

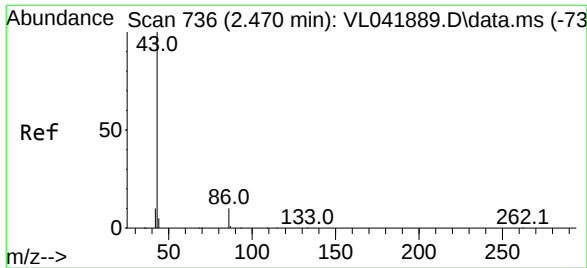
Delta R.T. -0.010 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

Tgt Ion: 96	Resp: 79830
Ion Ratio	Lower Upper
96 100	
61 171.9	134.5 201.7
98 62.5	48.9 73.3





#23
 Vinyl Acetate
 Concen: 9.399 ppbv
 RT: 2.460 min Scan# 736
 Delta R.T. -0.010 min
 Lab File: VL041917.D
 Acq: 20 Jan 2025 12:25

Instrument :

MSVOA_L

ClientSampleId :

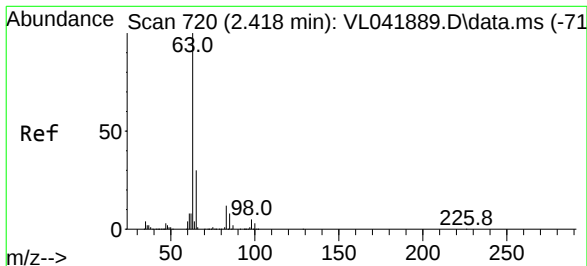
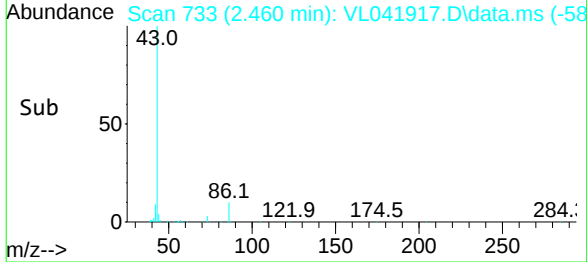
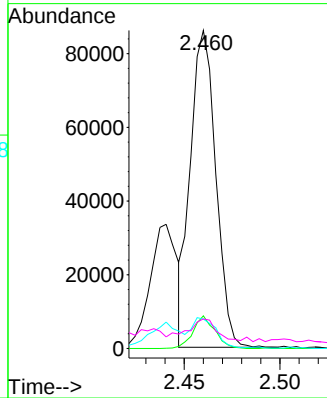
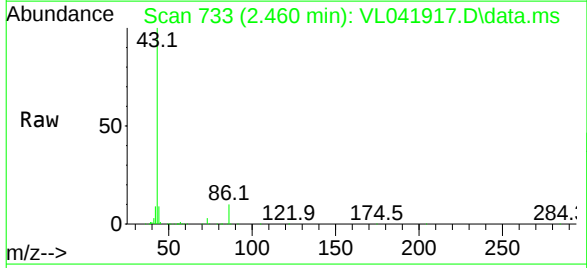
VSTDCCC010

Tgt Ion: 43 Resp: 79276
 Ion Ratio Lower Upper
 43 100
 86 10.3 6.2 9.4
 42 9.2 8.5 12.7
 44 6.5 4.8 7.2

Manual Integrations

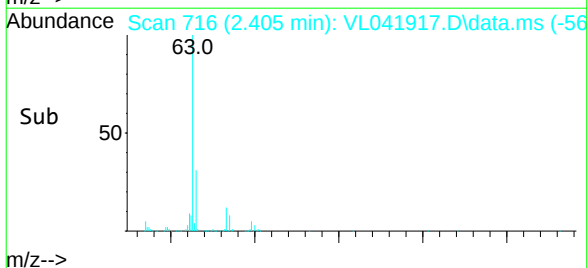
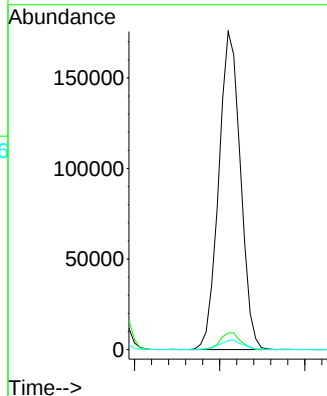
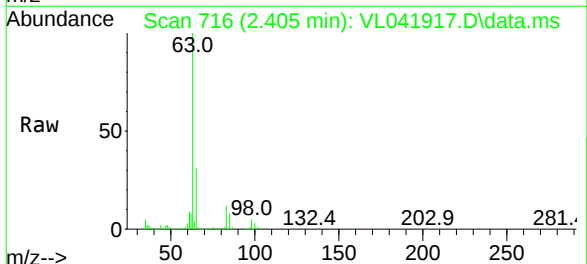
APPROVED

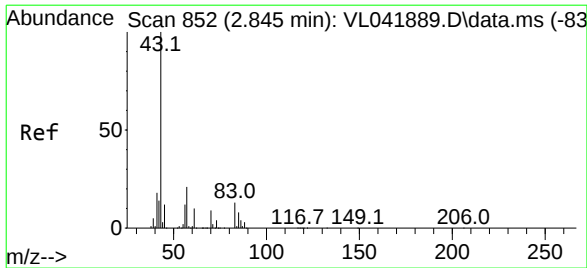
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025



#24
 1,1-Dichloroethane
 Concen: 10.071 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.013 min
 Lab File: VL041917.D
 Acq: 20 Jan 2025 12:25

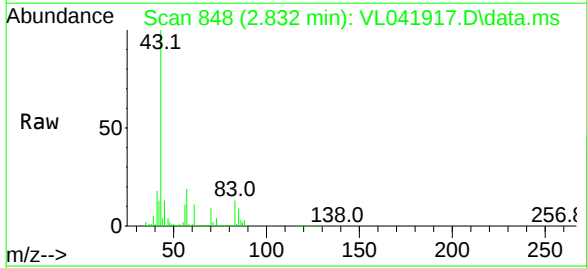
Tgt Ion: 63 Resp: 155899
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.6 7.8
 100 2.9 1.4 4.2





#25
Ethyl Acetate
Concen: 10.291 ppbv
RT: 2.832 min Scan# 845
Delta R.T. -0.013 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

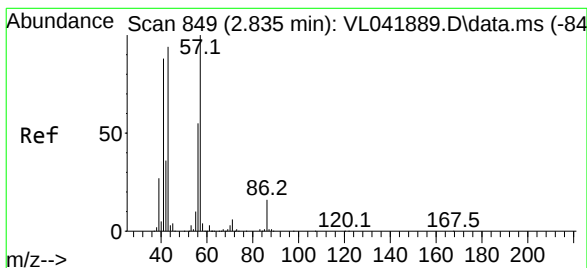
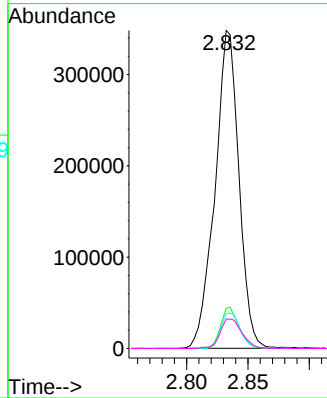
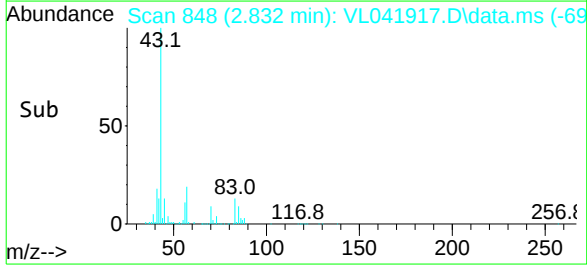
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



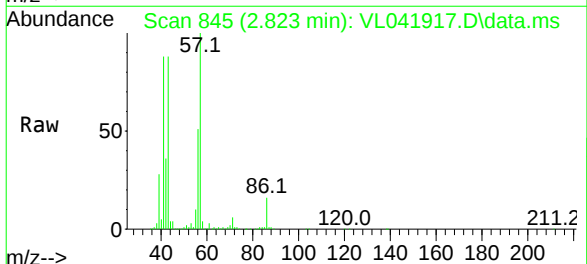
Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	9.2	7.4	11.0
70	8.5	7.0	10.4

Manual Integrations
APPROVED

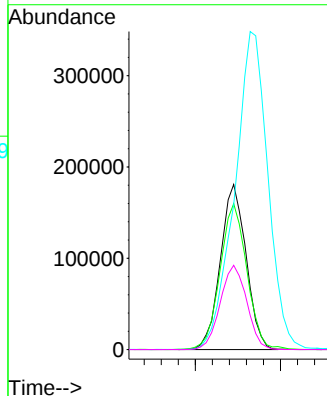
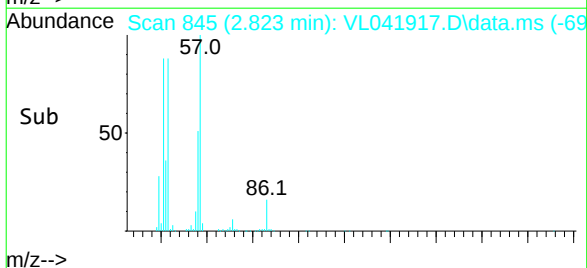
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

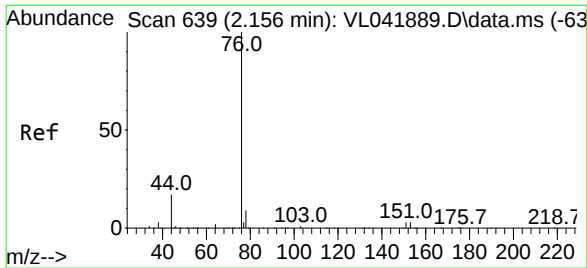


#26
Hexane
Concen: 10.441 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.013 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25



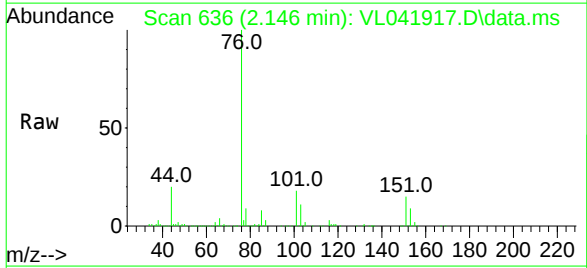
Tgt Ion	Ratio	Lower	Upper
57	100		
41	92.9	73.8	110.8
43	250.2	197.3	295.9
56	52.8	42.7	64.1





#27
Carbon Disulfide
Concen: 10.679 ppbv
RT: 2.146 min Scan# 639
Delta R.T. -0.010 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

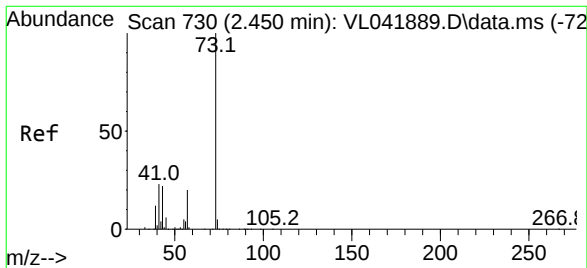
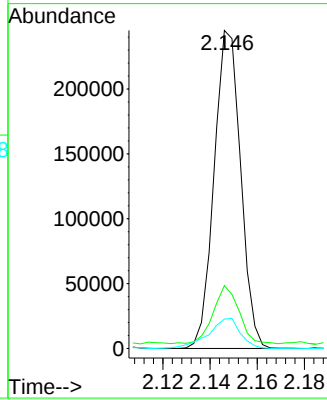
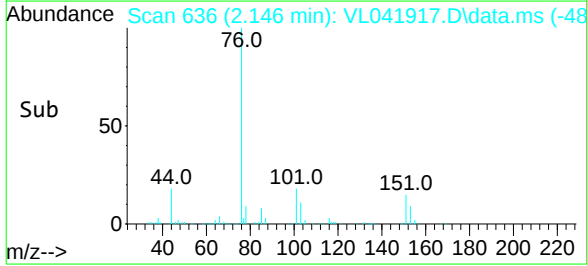
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 76 Resp: 191777
Ion Ratio Lower Upper
76 100
44 18.1 15.4 23.0
78 11.5 9.3 13.9

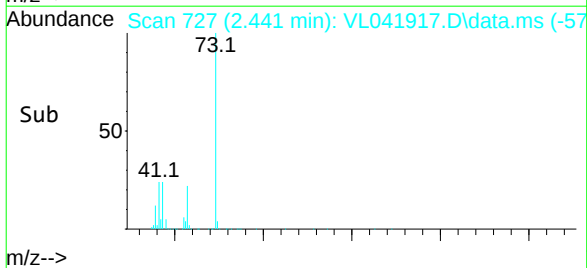
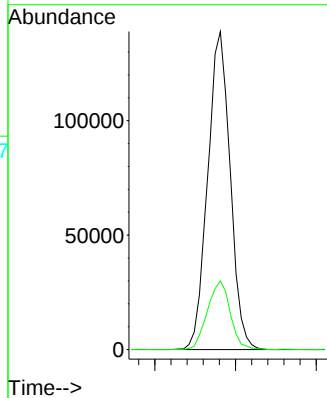
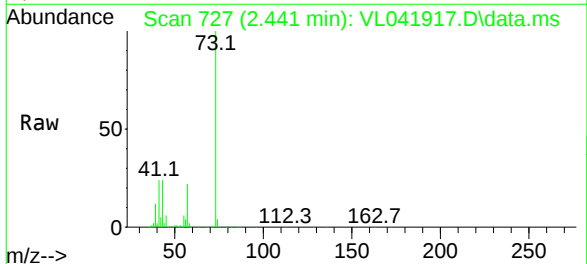
Manual Integrations
APPROVED

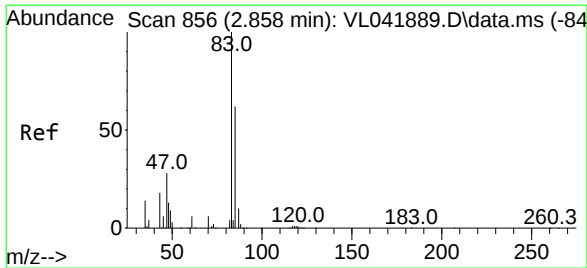
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#28
Methyl tert-Butyl Ether
Concen: 9.690 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.010 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Tgt Ion: 73 Resp: 134406
Ion Ratio Lower Upper
73 100
57 22.0 18.1 27.1





#29

Chloroform

Concen: 10.243 ppbv

RT: 2.845 min Scan# 85

Delta R.T. -0.013 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 293833

Ion Ratio Lower Upper

83 100

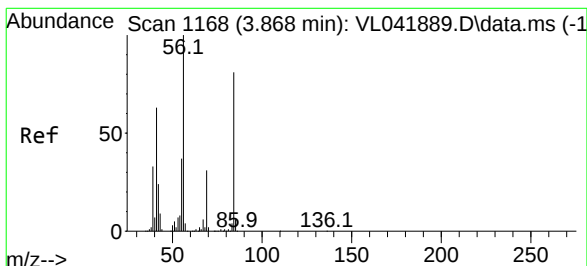
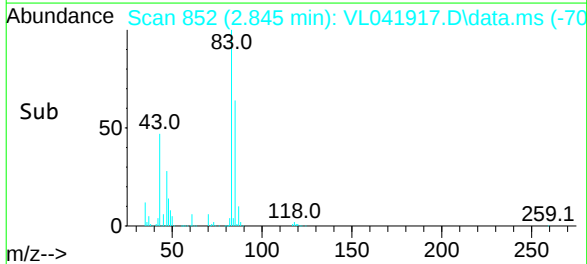
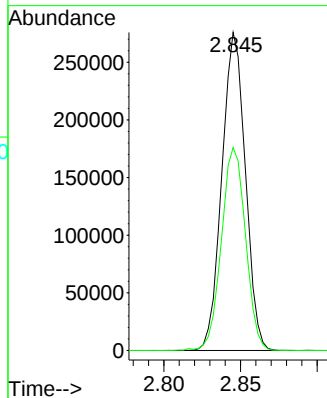
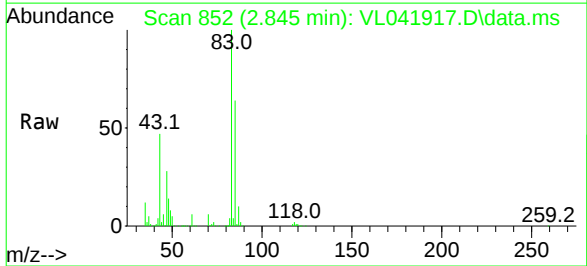
85 63.7 50.1 75.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#30

Cyclohexane

Concen: 10.454 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.016 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

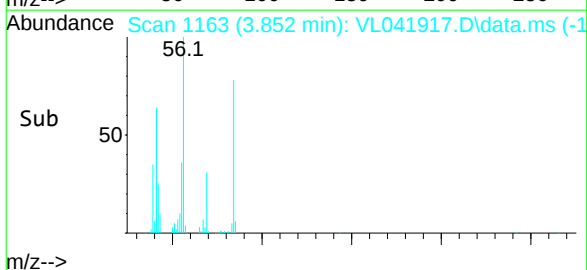
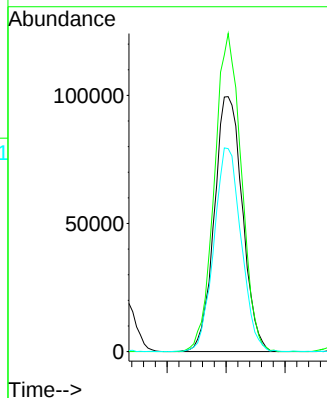
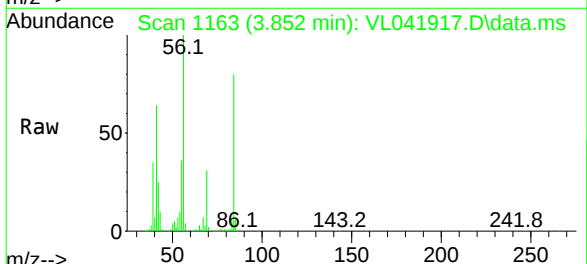
Tgt Ion: 84 Resp: 164556

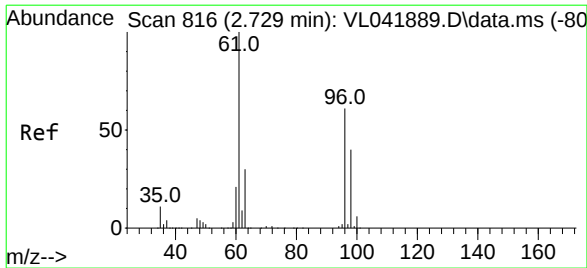
Ion Ratio Lower Upper

84 100

56 119.6 99.3 148.9

41 77.8 64.3 96.5





#31

cis-1,2-Dichloroethene

Concen: 10.118 ppbv

RT: 2.719 min Scan# 81

Delta R.T. -0.010 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

Instrument :

MSVOA_L

ClientSampleId :

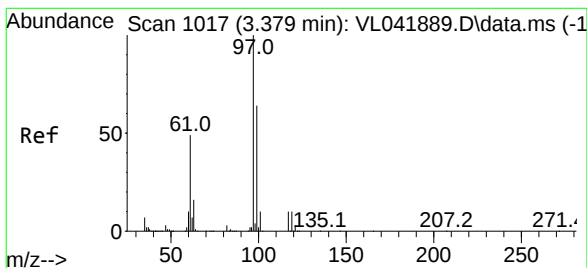
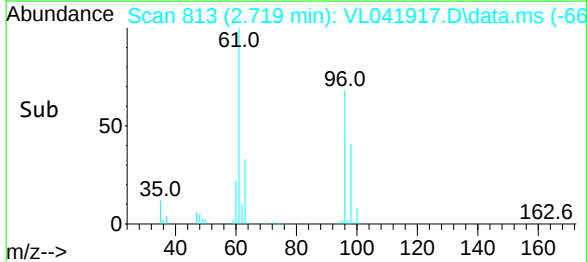
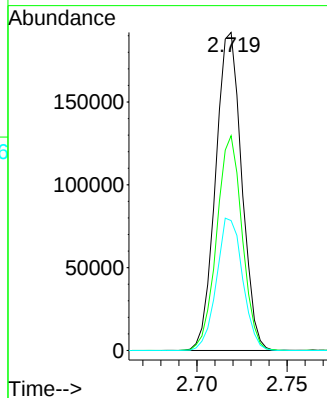
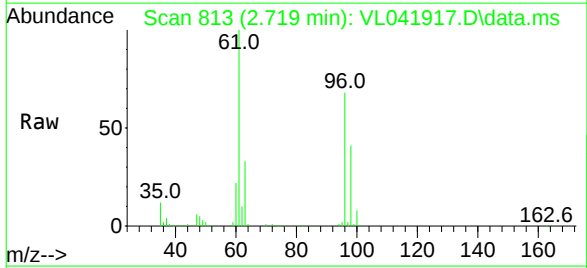
VSTDCCC010

Tgt Ion:	61	Resp:	193337
Ion	Ratio	Lower	Upper
61	100		
96	67.5	48.7	73.1
98	40.8	31.6	47.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#32

1,1,1-Trichloroethane

Concen: 10.773 ppbv

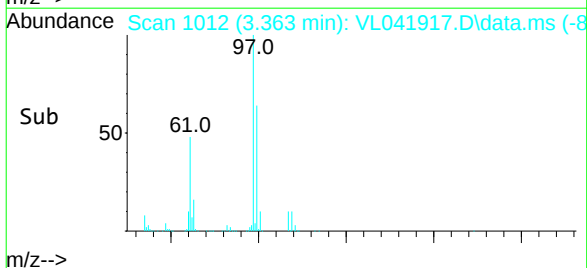
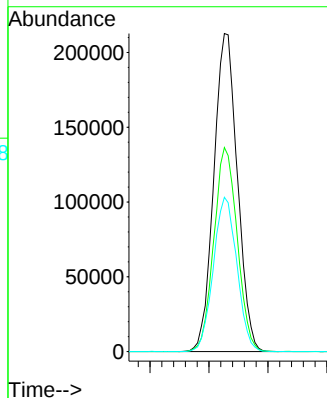
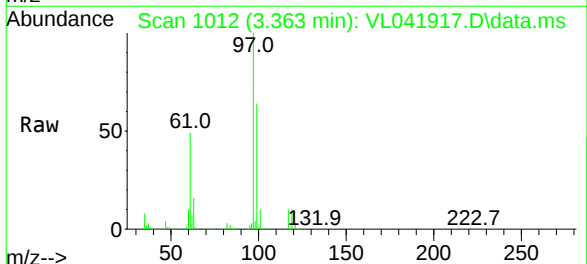
RT: 3.363 min Scan# 1012

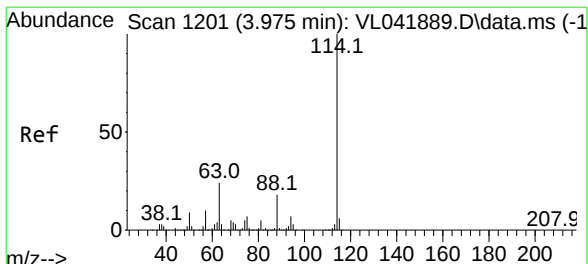
Delta R.T. -0.016 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

Tgt Ion:	97	Resp:	295721
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.1	76.7
61	48.4	39.0	58.6





#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.955 min Scan# 11
 Delta R.T. -0.019 min
 Lab File: VL041917.D
 Acq: 20 Jan 2025 12:25

Instrument :

MSVOA_L

ClientSampleId :

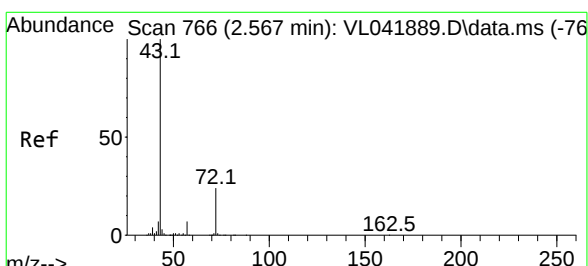
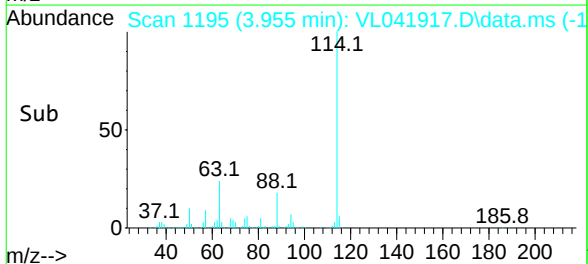
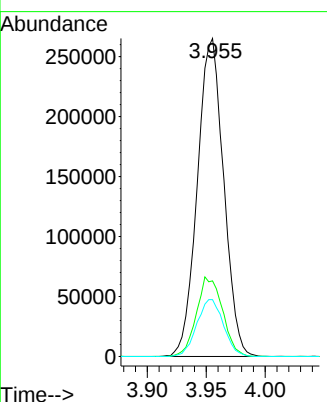
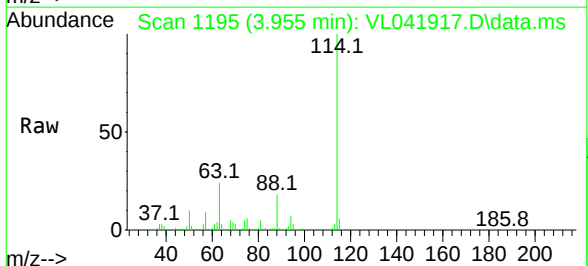
VSTDCCC010

Tgt Ion: 114 Resp: 411747

Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.8	29.6
88	18.1	14.4	21.6

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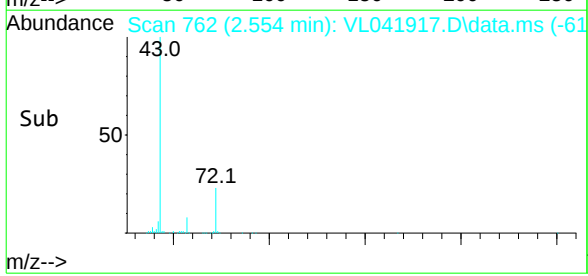
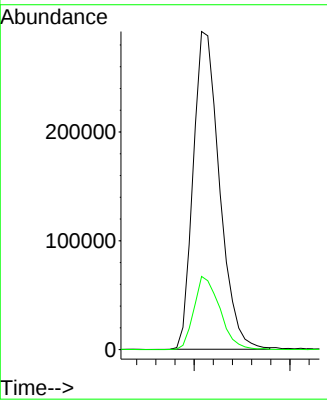
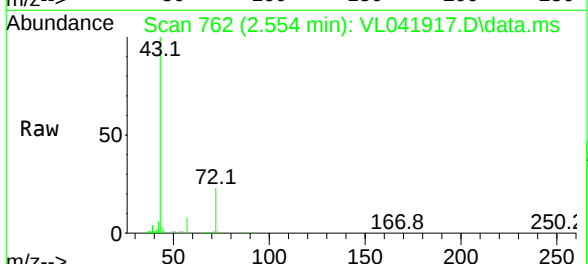
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

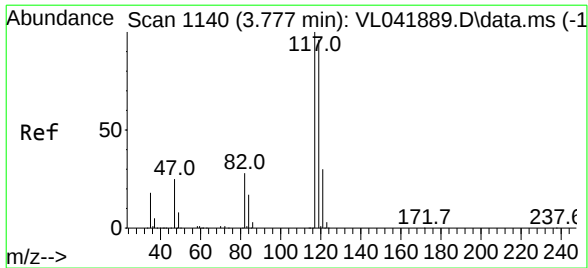


#34
 2-Butanone
 Concen: 10.656 ppbv
 RT: 2.554 min Scan# 762
 Delta R.T. -0.013 min
 Lab File: VL041917.D
 Acq: 20 Jan 2025 12:25

Tgt Ion: 43 Resp: 279040

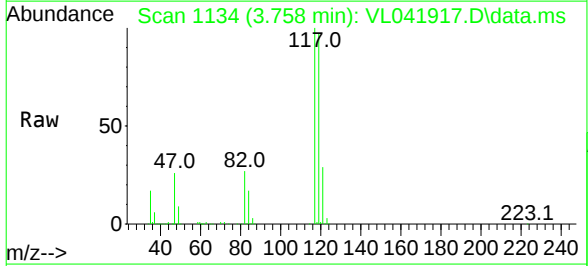
Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.6	28.0





#35
Carbon Tetrachloride
Concen: 11.497 ppbv
RT: 3.758 min Scan# 111
Delta R.T. -0.019 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

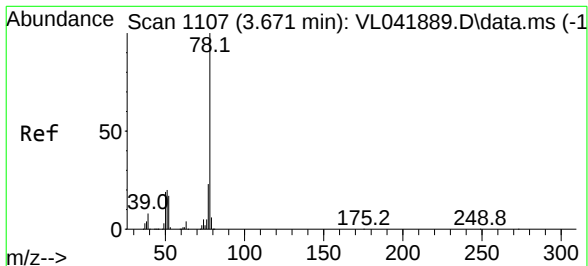
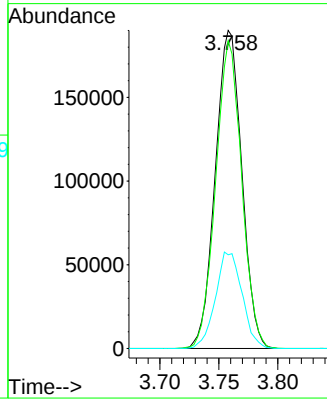
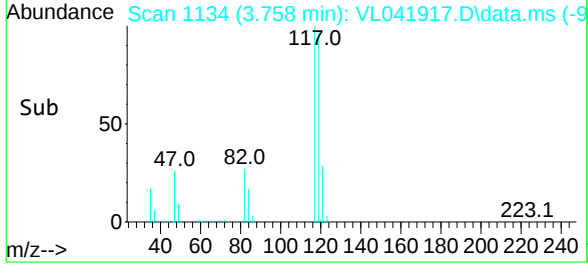
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



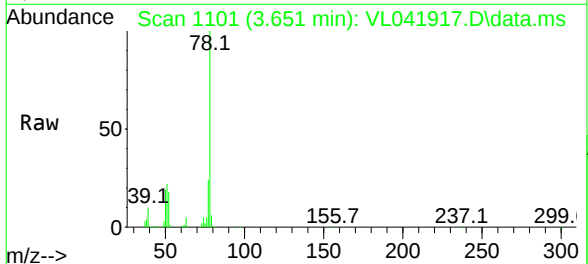
Tgt Ion: 117 Resp: 297344
Ion Ratio Lower Upper
117 100
119 96.7 76.9 115.3
121 29.4 23.8 35.6

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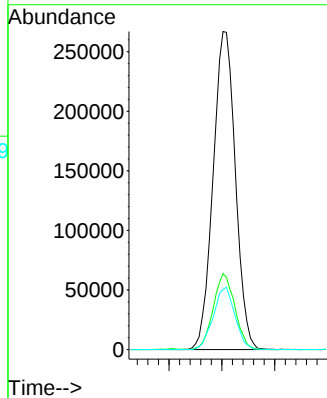
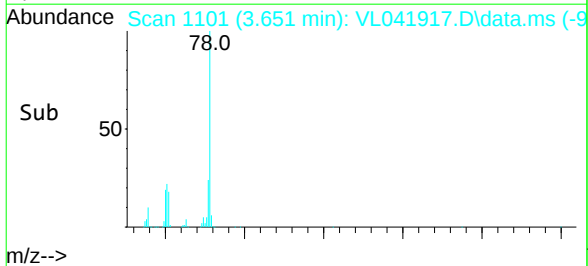
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

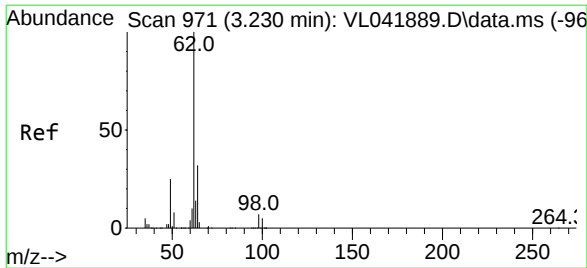


#36
Benzene
Concen: 10.353 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.019 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25



Tgt Ion: 78 Resp: 390961
Ion Ratio Lower Upper
78 100
77 23.9 18.1 27.1
50 18.9 15.2 22.8





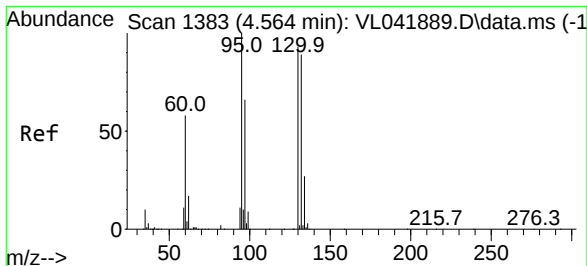
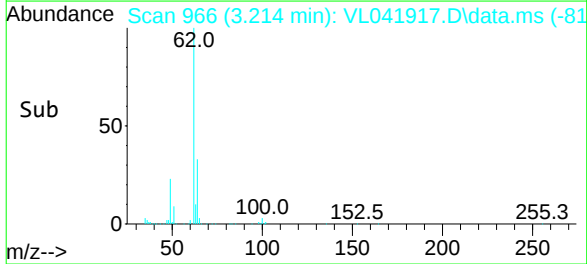
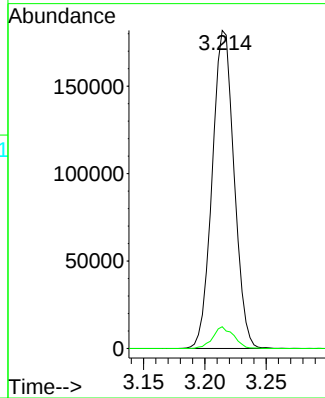
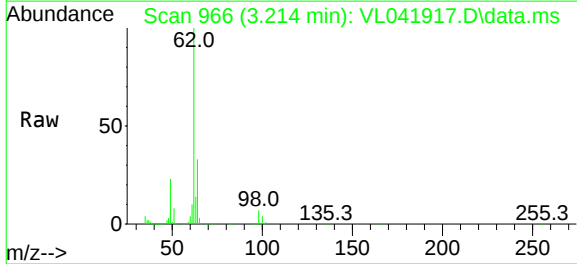
#37
1,2-Dichloroethane
Concen: 10.657 ppbv
RT: 3.214 min Scan# 96
Delta R.T. -0.016 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 226025
Ion Ratio Lower Upper
62 100
98 6.5 5.4 8.0

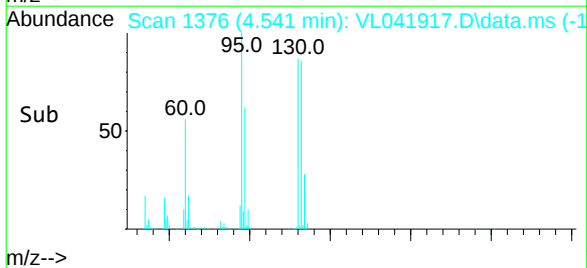
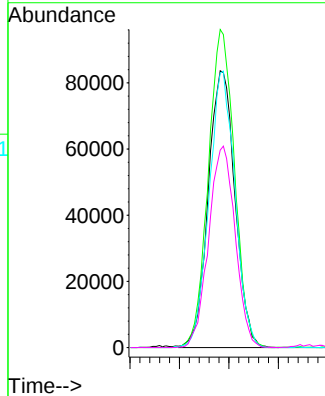
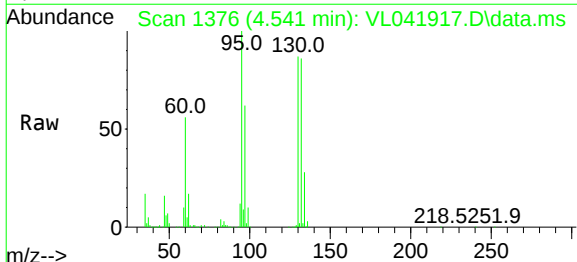
Manual Integrations
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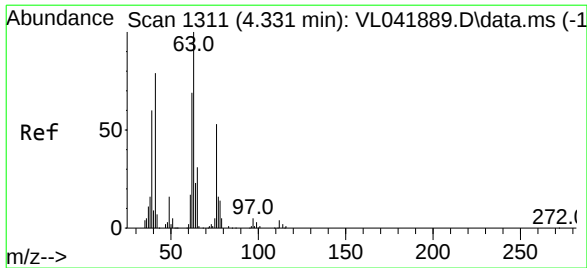
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#38
Trichloroethene
Concen: 10.447 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.023 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Tgt Ion:130 Resp: 156566
Ion Ratio Lower Upper
130 100
95 114.8 85.8 128.8
132 99.2 76.5 114.7
97 71.3 56.8 85.2





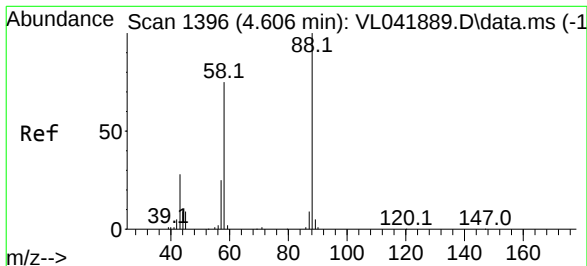
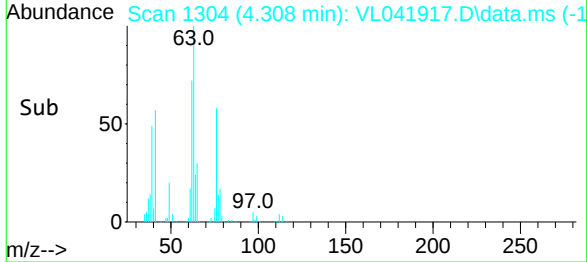
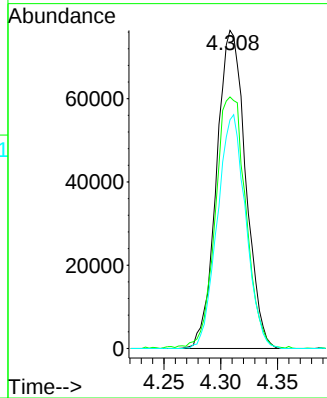
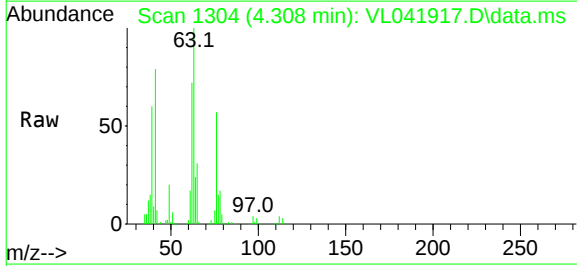
#39
1,2-Dichloropropane
Concen: 10.262 ppbv
RT: 4.308 min Scan# 1311
Delta R.T. -0.023 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 135938
Ion Ratio Lower Upper
63 100
41 78.5 63.7 95.5
62 71.9 55.4 83.2

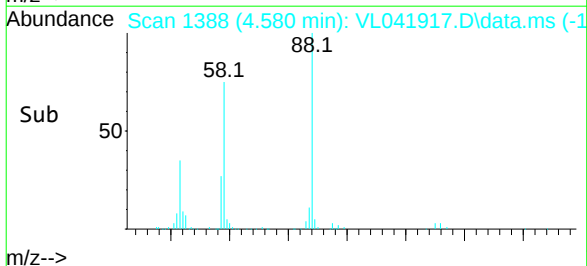
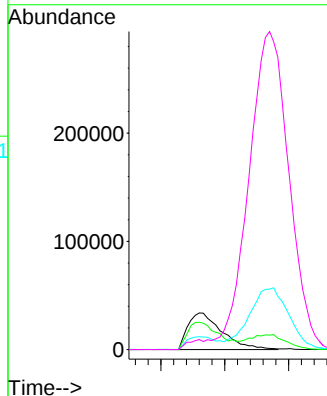
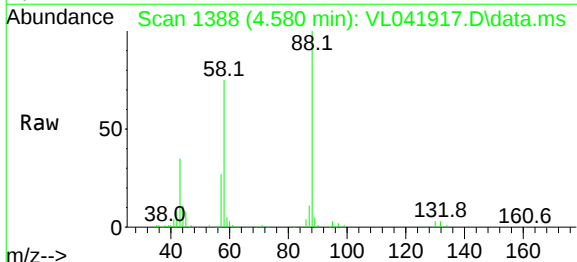
Manual Integrations
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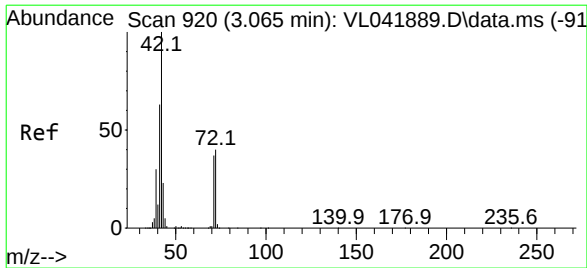
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#40
1,4-Dioxane
Concen: 9.370 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. -0.026 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Tgt Ion: 88 Resp: 62682
Ion Ratio Lower Upper
88 100
58 69.6 62.1 93.1
43 31.5 0.0 0.0#
57 0.0 0.0 0.0





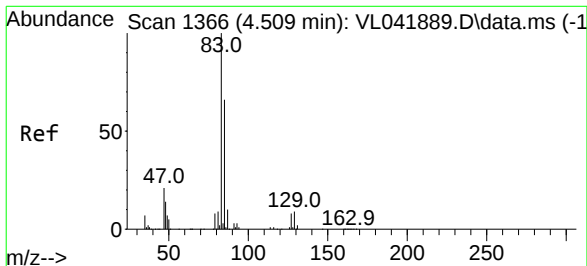
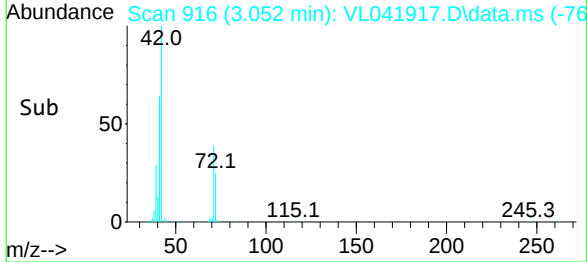
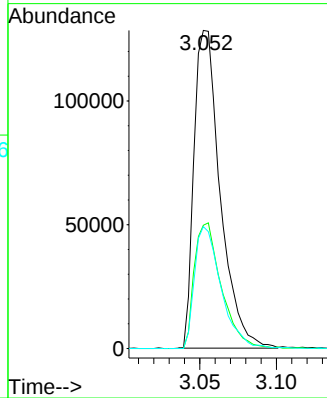
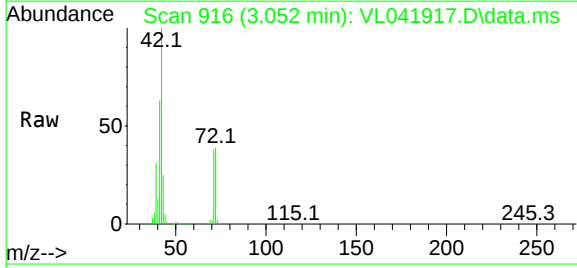
#41
Tetrahydrofuran
Concen: 10.752 ppbv
RT: 3.052 min Scan# 911
Delta R.T. -0.013 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42	Resp: 153011
Ion Ratio	Lower Upper
42	100
72	40.9 32.3 48.5
71	38.8 29.9 44.9

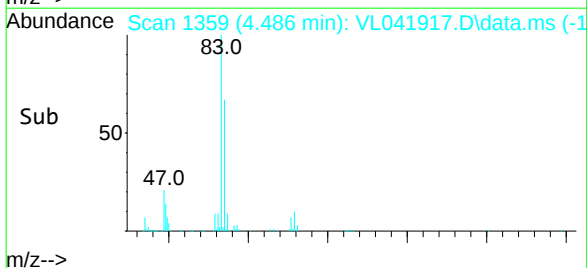
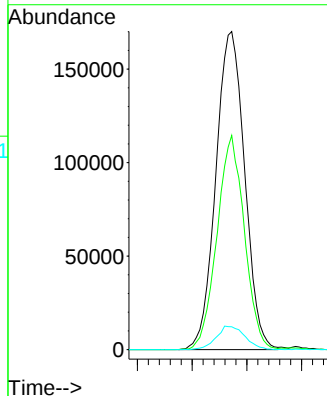
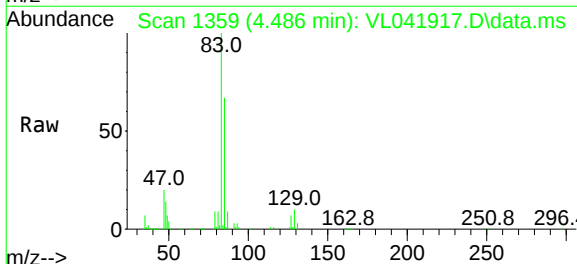
Manual Integrations
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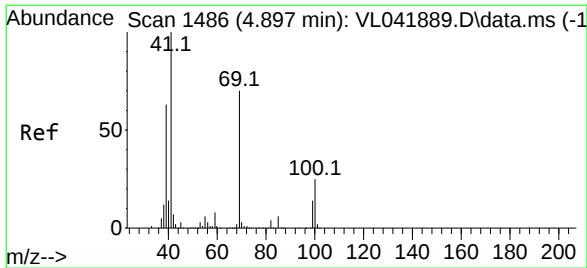
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#42
Bromodichloromethane
Concen: 10.955 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. -0.023 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

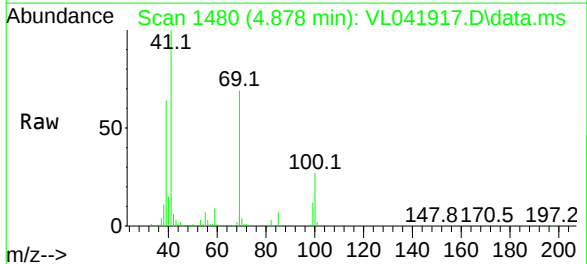
Tgt Ion: 83	Resp: 311544
Ion Ratio	Lower Upper
83	100
85	67.3 52.6 78.8
127	7.2 6.4 9.6





#43
Methyl Methacrylate
Concen: 10.417 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. -0.019 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

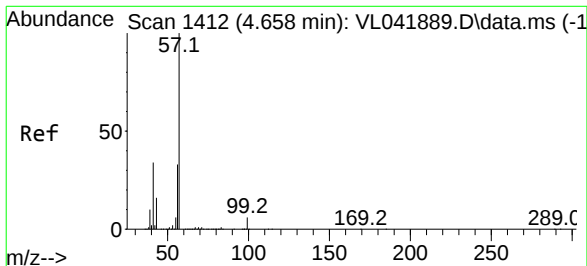
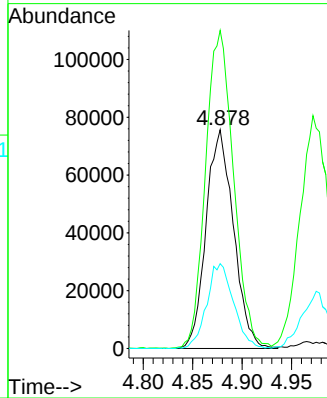
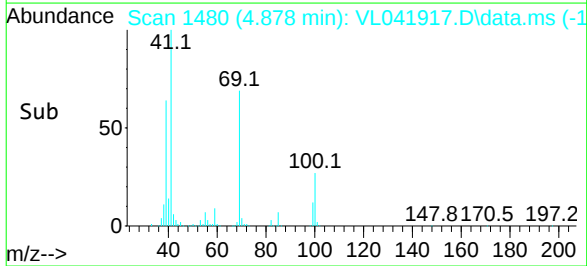
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



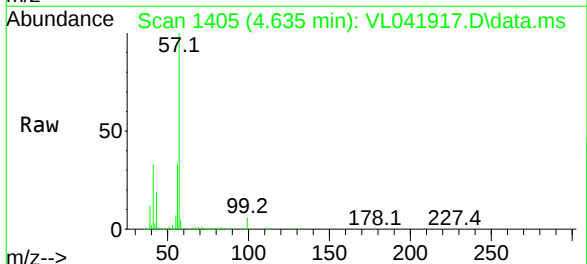
Tgt Ion: 69 Resp: 146142
Ion Ratio Lower Upper
69 100
41 148.5 118.6 177.8
100 37.9 29.3 43.9

Manual Integrations
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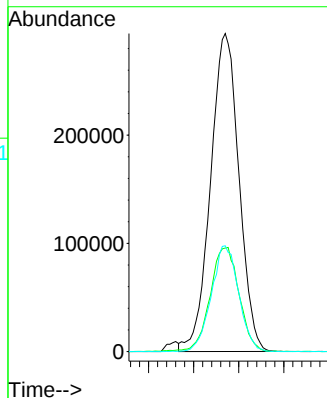
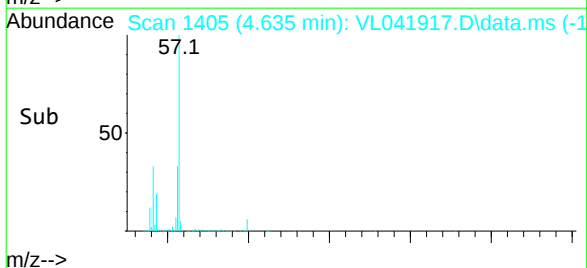
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

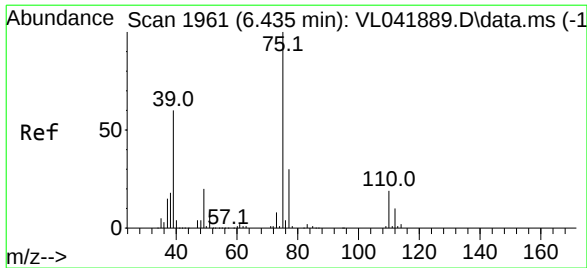


#44
2,2,4-Trimethylpentane
Concen: 10.528 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.023 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25



Tgt Ion: 57 Resp: 643085
Ion Ratio Lower Upper
57 100
41 33.6 26.6 40.0
56 32.0 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 11.215 ppbv

RT: 6.409 min Scan# 19

Delta R.T. -0.026 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

Tgt Ion: 75 Resp: 147278

Ion Ratio Lower Upper

75 100

77 29.4 24.3 36.5

Instrument :

MSVOA_L

ClientSampleId :

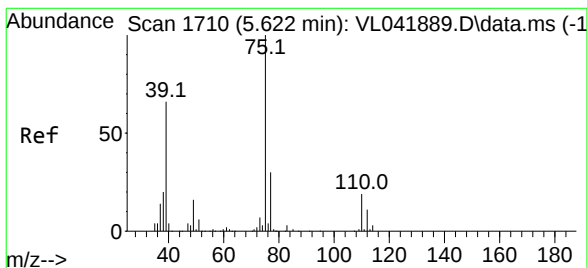
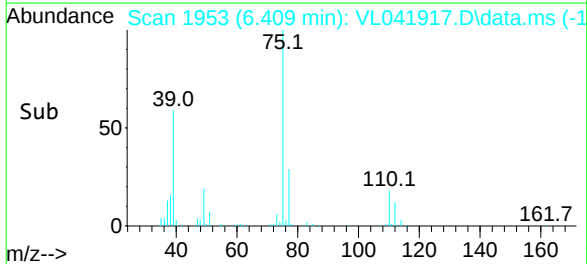
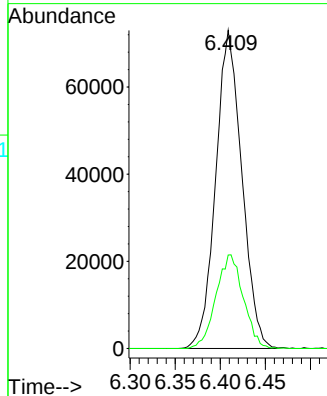
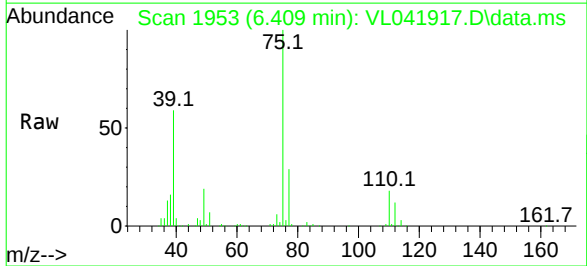
VSTDCCC010

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#46

cis-1,3-Dichloropropene

Concen: 11.114 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. -0.029 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

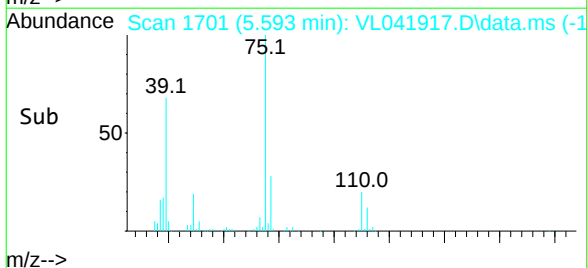
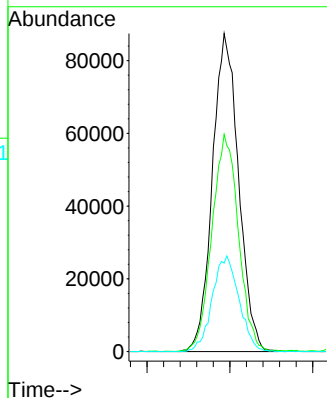
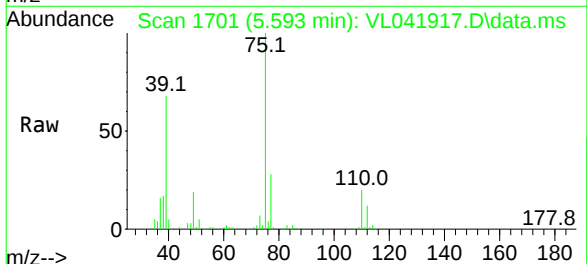
Tgt Ion: 75 Resp: 191623

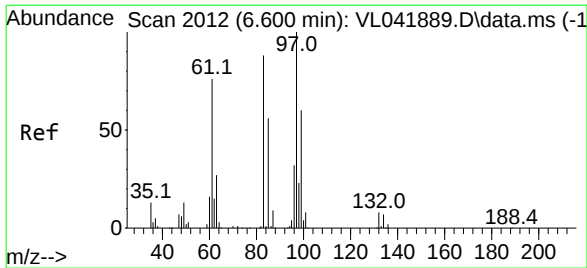
Ion Ratio Lower Upper

75 100

39 68.1 53.1 79.7

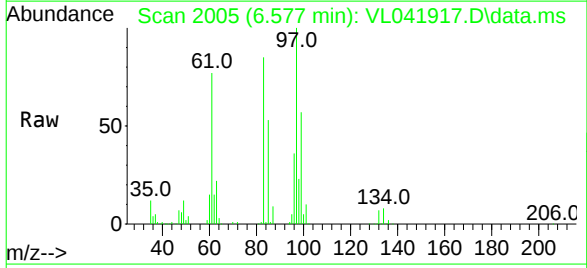
77 27.8 23.8 35.8





#47
1,1,2-Trichloroethane
Concen: 10.772 ppbv
RT: 6.577 min Scan# 2012
Delta R.T. -0.023 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

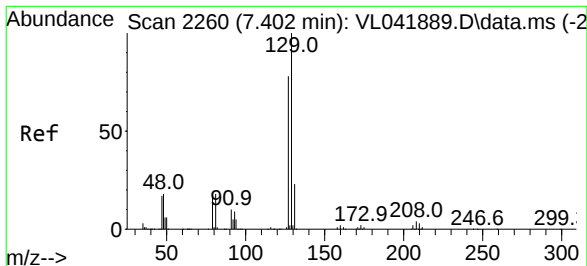
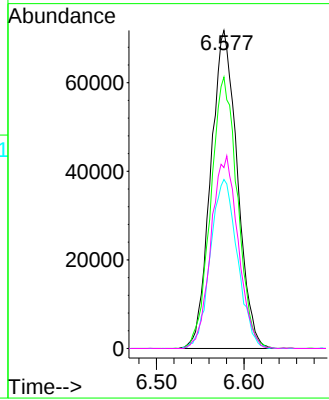
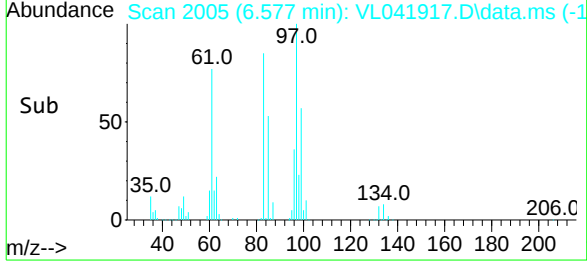
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.4	105.6
85	53.1	45.0	67.4
99	56.9	48.1	72.1

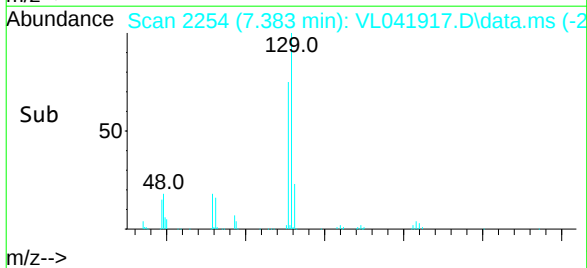
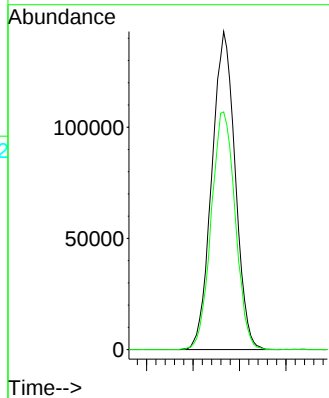
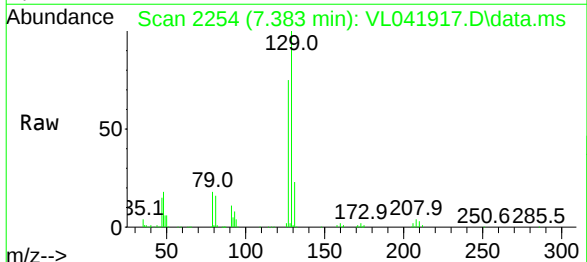
Manual Integrations
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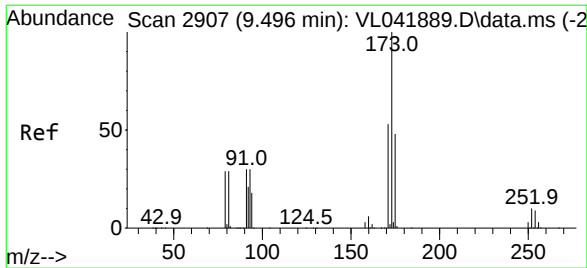
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#48
Dibromochloromethane
Concen: 11.543 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. -0.019 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.3	117.8





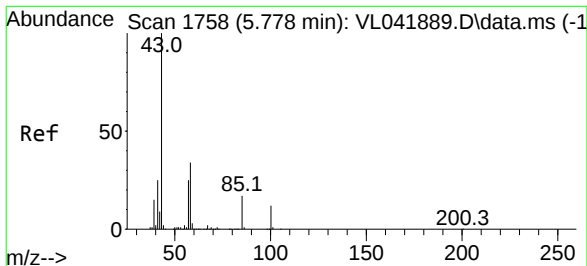
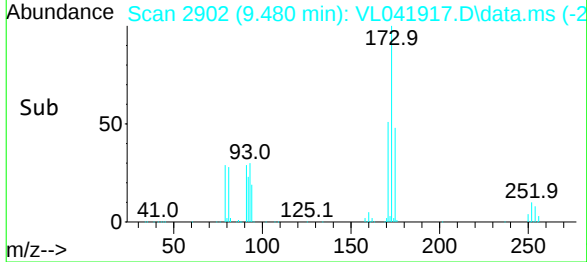
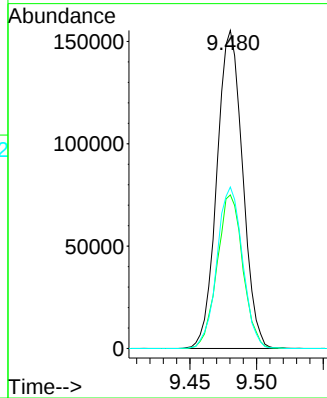
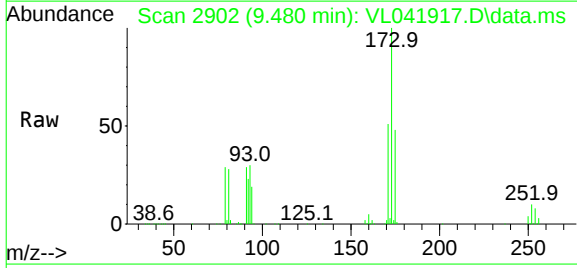
#49
Bromoform
Concen: 11.713 ppbv
RT: 9.480 min Scan# 2907
Delta R.T. -0.016 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 173 Resp: 208438
Ion Ratio Lower Upper
173 100
175 48.2 38.4 57.6
171 50.5 41.4 62.2

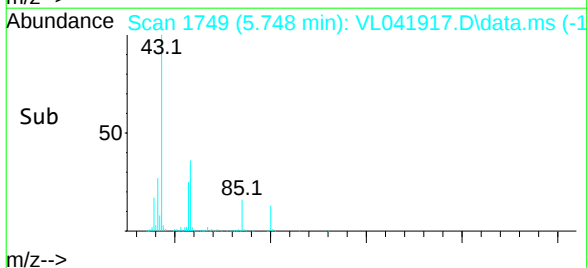
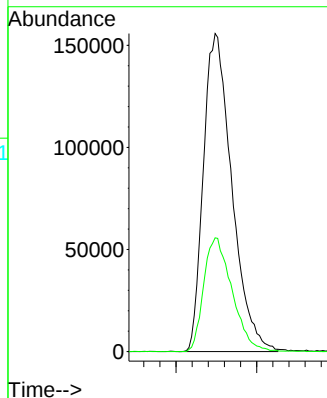
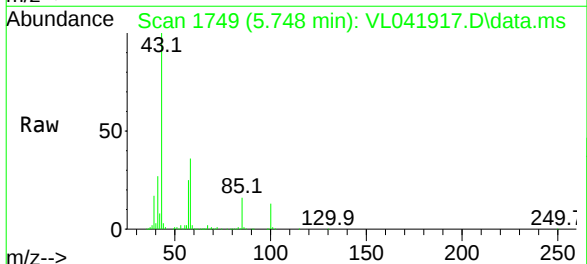
Manual Integrations
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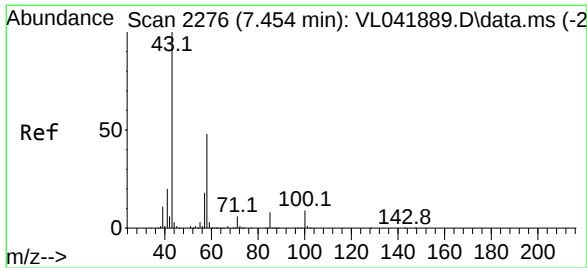
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#50
4-Methyl-2-Pentanone
Concen: 10.658 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. -0.029 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

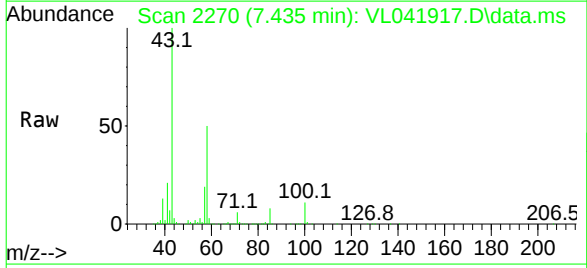
Tgt Ion: 43 Resp: 380994
Ion Ratio Lower Upper
43 100
58 35.8 29.0 43.6





#51
2-Hexanone
Concen: 10.809 ppbv
RT: 7.435 min Scan# 2276
Delta R.T. -0.019 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

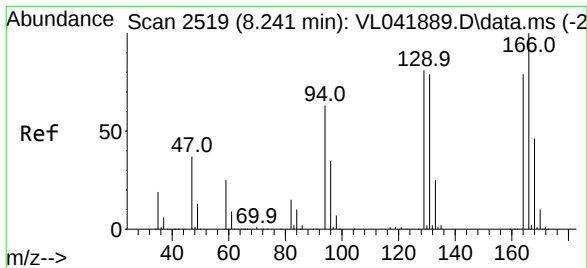
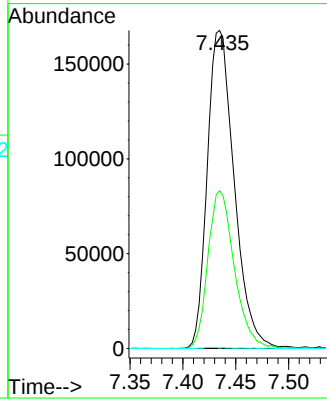
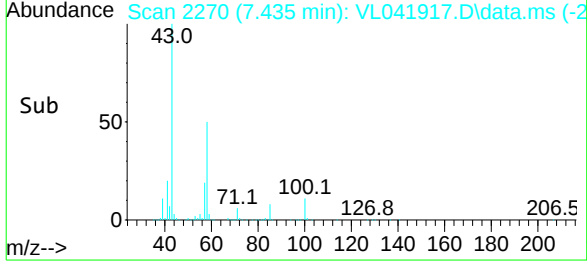
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



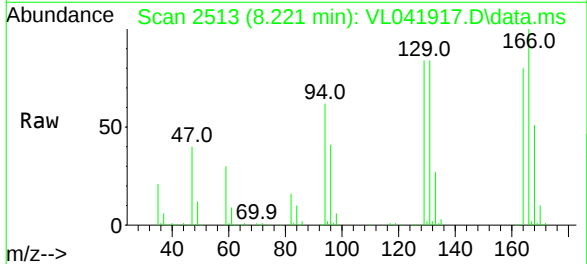
Tgt Ion: 43 Resp: 296893
Ion Ratio Lower Upper
43 100
58 48.9 40.4 60.6
98 0.4 0.2 0.2

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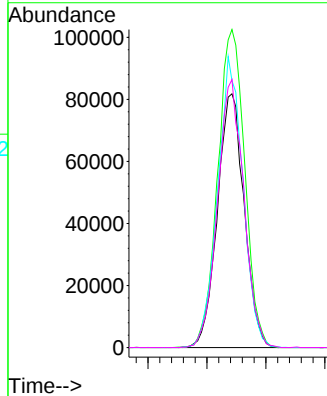
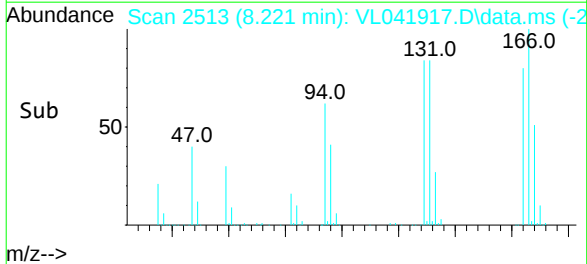
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

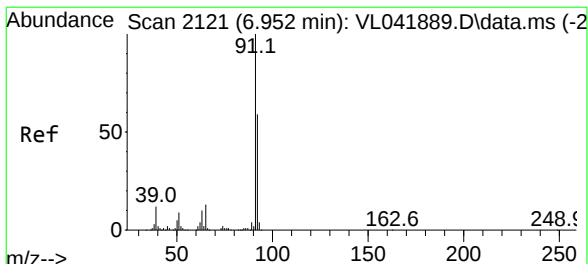


#52
Tetrachloroethene
Concen: 9.846 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.019 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25



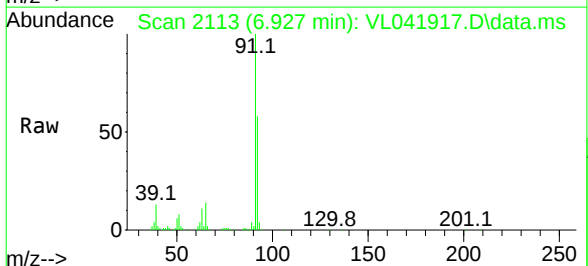
Tgt Ion:164 Resp: 128925
Ion Ratio Lower Upper
164 100
166 125.3 100.8 151.2
129 105.2 82.0 123.0
131 105.6 80.2 120.2





#53
Toluene
Concen: 10.732 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.026 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

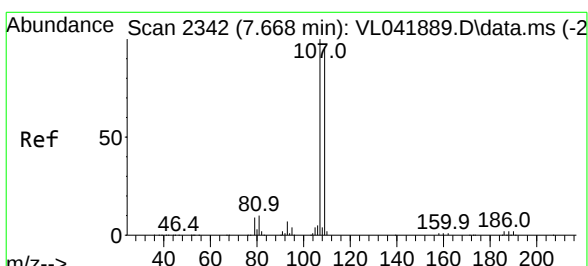
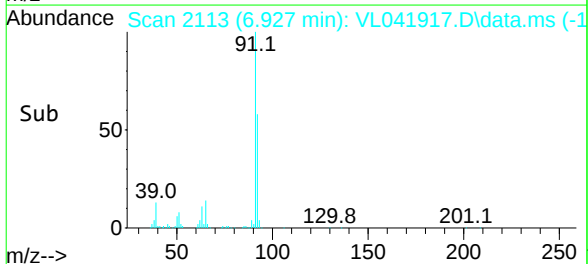
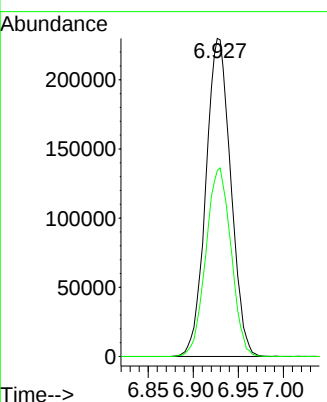
Instrument : MSVOA_L
ClientSampleId : VSTDCCC010



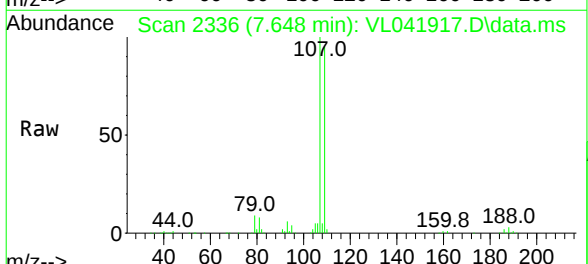
Tgt Ion: 91 Resp: 441486

Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.4	71.0

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Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

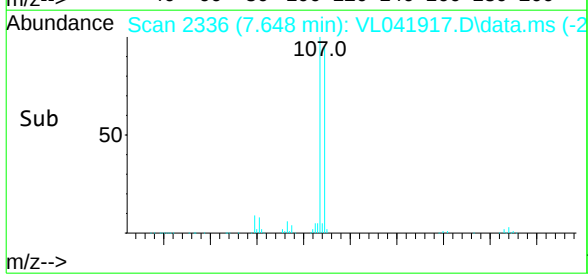
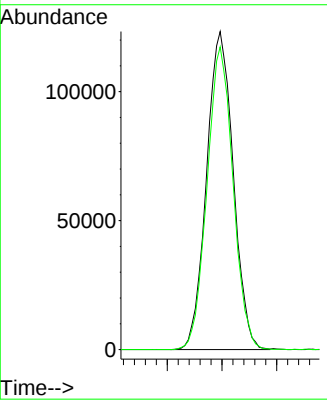


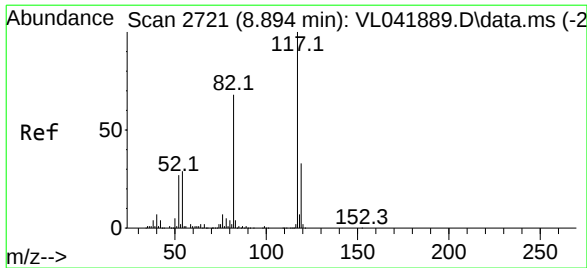
#54
1,2-Dibromoethane
Concen: 10.811 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.019 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25



Tgt Ion:107 Resp: 208665

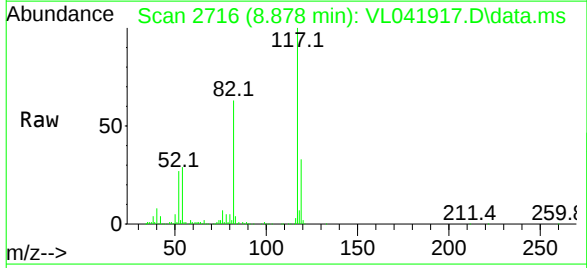
Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.7	115.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2721
Delta R.T. -0.016 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

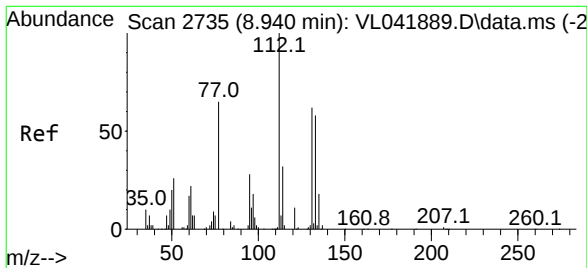
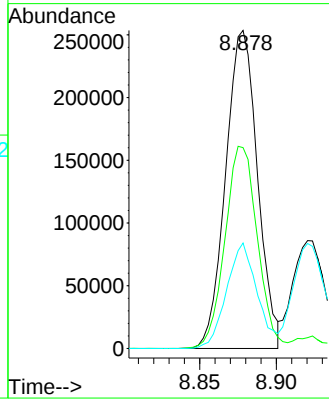
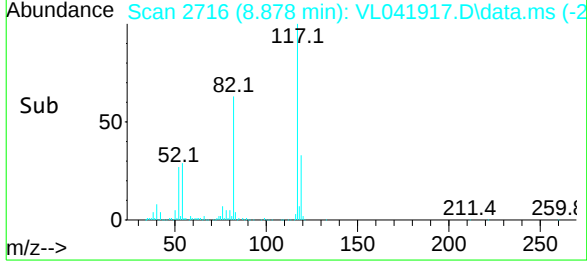
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:117 Resp: 366617
Ion Ratio Lower Upper
117 100
82 68.0 54.2 81.4
119 31.3 25.0 37.6

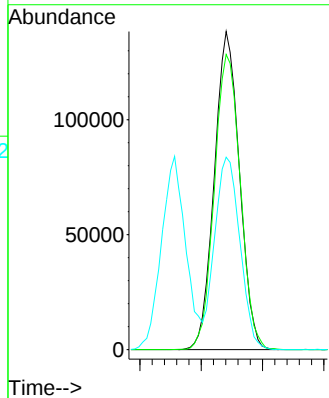
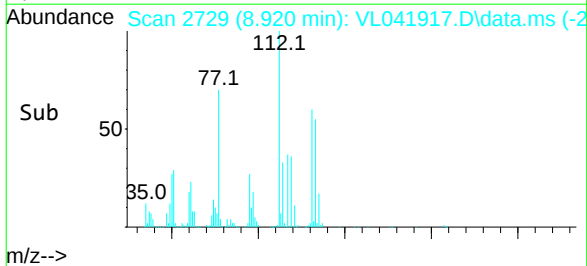
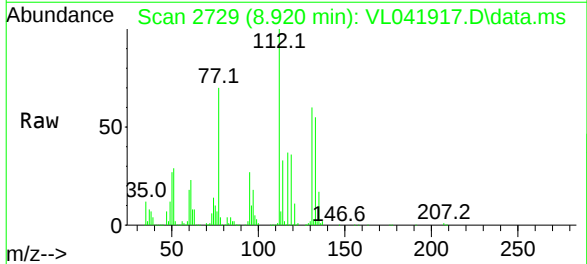
Manual Integrations
APPROVED

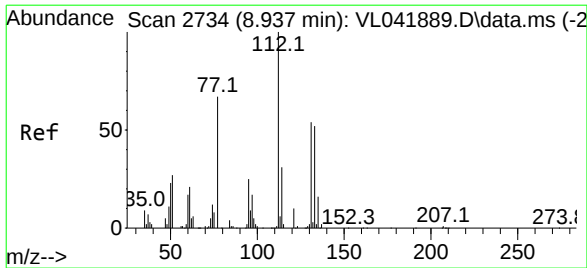
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 10.766 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.019 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

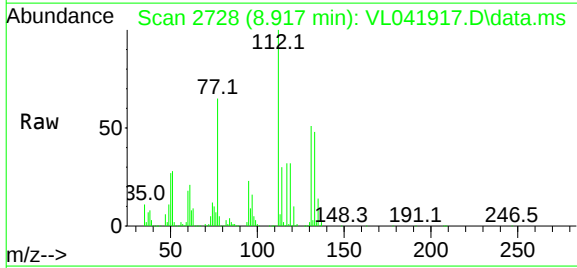
Tgt Ion:131 Resp: 196915
Ion Ratio Lower Upper
131 100
133 95.7 76.0 114.0
119 60.9 49.7 74.5





#57
Chlorobenzene
Concen: 10.181 ppbv
RT: 8.917 min Scan# 2734
Delta R.T. -0.019 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

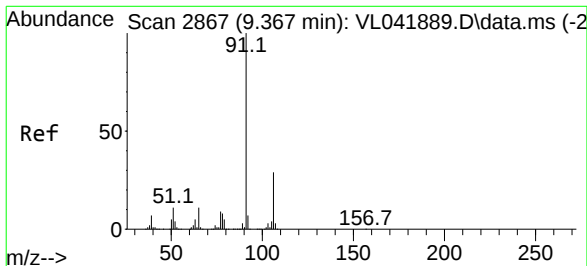
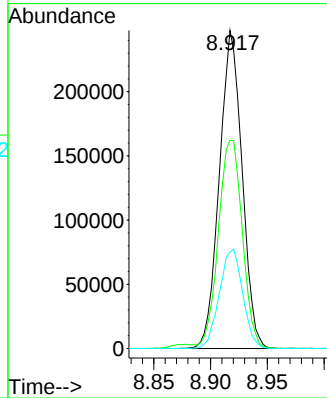
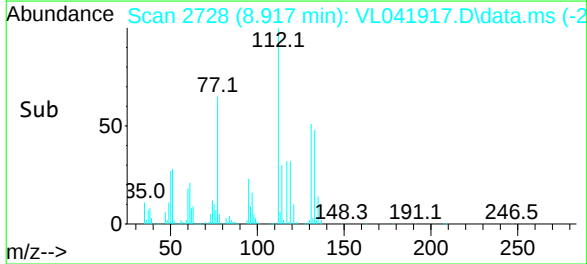
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 112 Resp: 344297
Ion Ratio Lower Upper
112 100
77 65.4 54.6 82.0
114 30.3 28.2 34.4

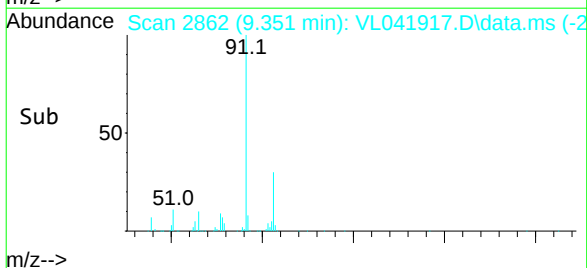
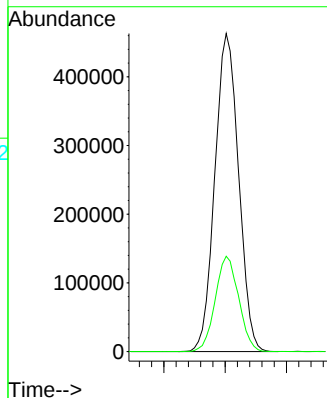
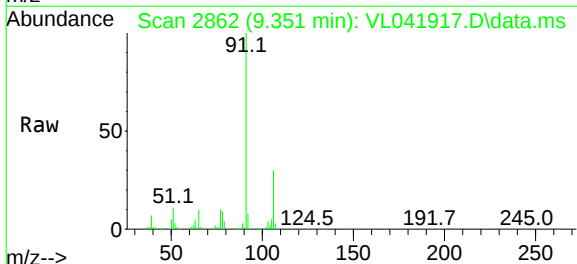
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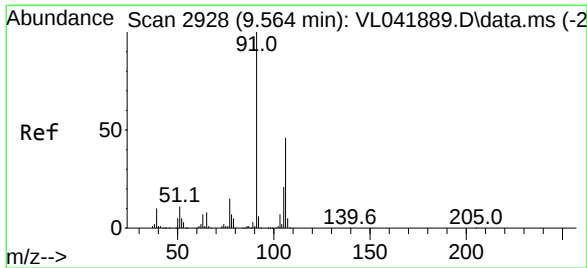
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#58
Ethyl Benzene
Concen: 10.854 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.016 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Tgt Ion: 91 Resp: 621872
Ion Ratio Lower Upper
91 100
106 30.0 23.1 34.7





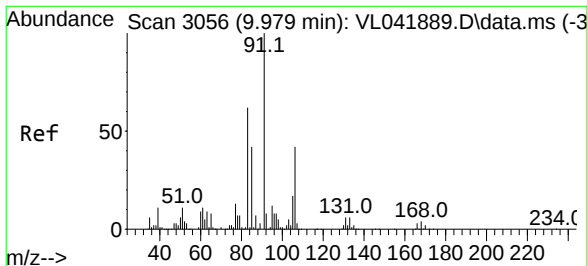
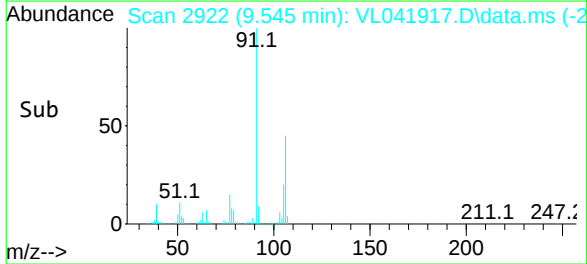
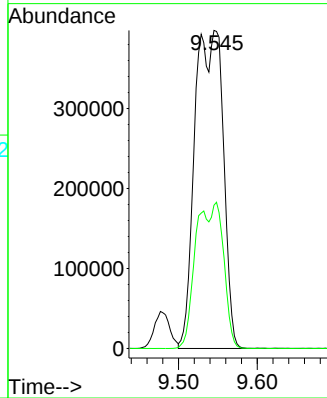
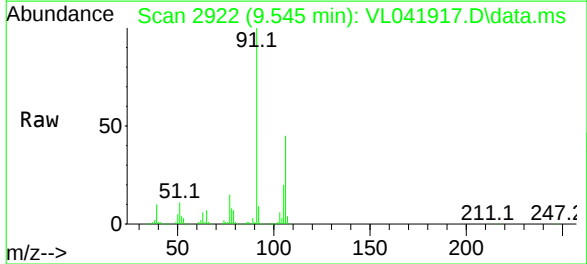
#59
m/p-Xylene
Concen: 21.739 ppbv m
RT: 9.545 min Scan# 29
Delta R.T. -0.019 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 998348
Ion Ratio Lower Upper
91 100
106 45.0 36.0 54.0

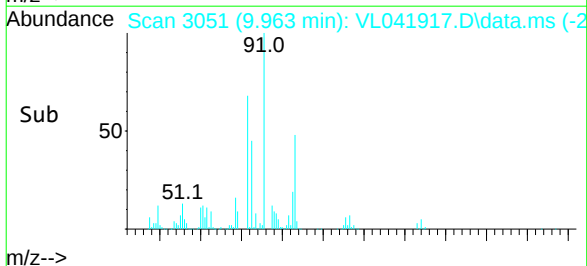
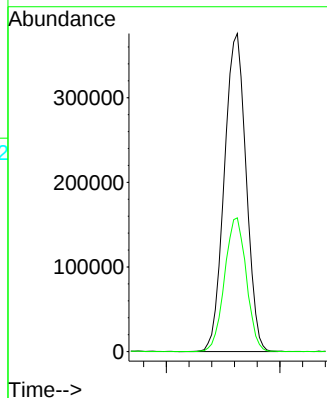
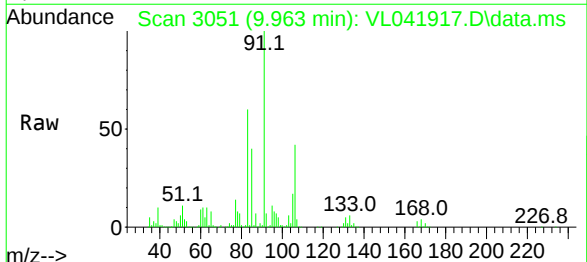
Manual Integrations
APPROVED

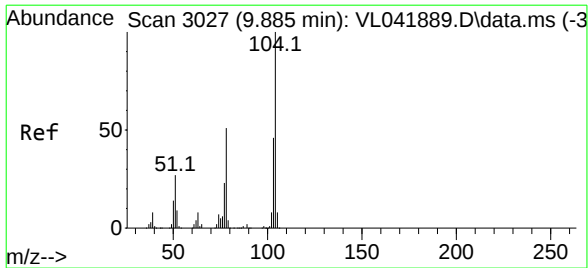
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#60
o-Xylene
Concen: 10.998 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.016 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

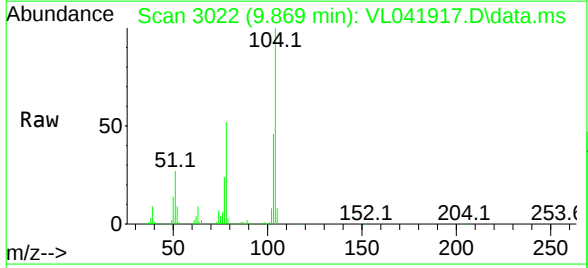
Tgt Ion: 91 Resp: 501346
Ion Ratio Lower Upper
91 100
106 42.0 21.3 63.9





#61
Styrene
Concen: 11.268 ppbv
RT: 9.869 min Scan# 3027
Delta R.T. -0.016 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

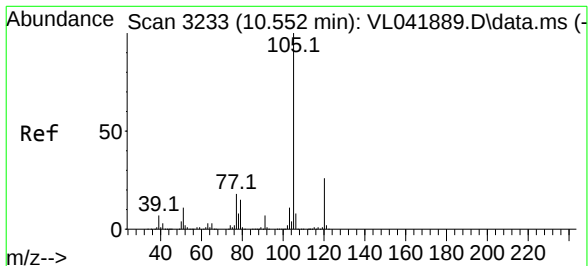
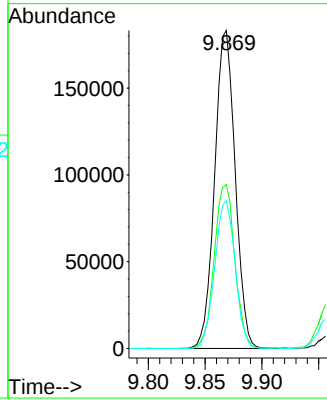
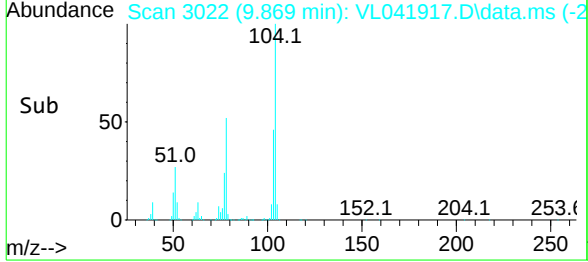
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:104 Resp: 230415
Ion Ratio Lower Upper
104 100
78 51.8 41.0 61.6
103 46.4 37.2 55.8

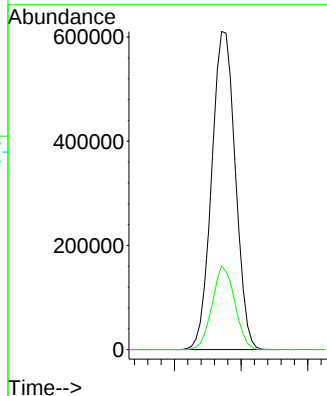
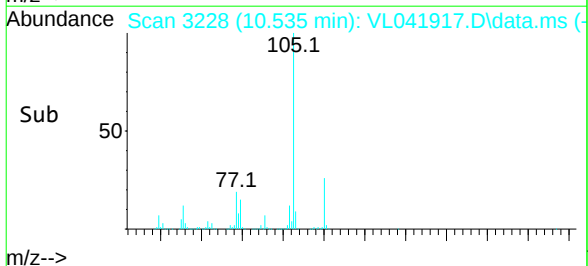
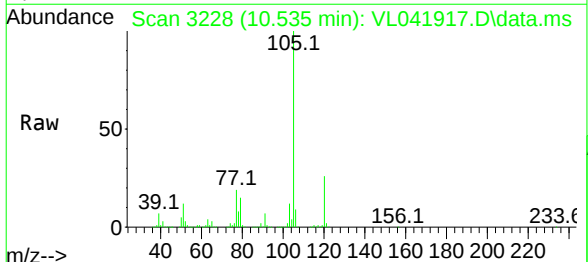
Manual Integrations
APPROVED

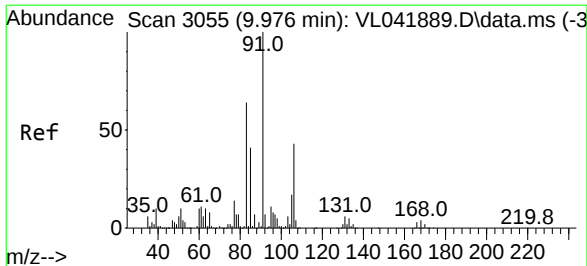
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#62
Isopropylbenzene
Concen: 10.699 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.016 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

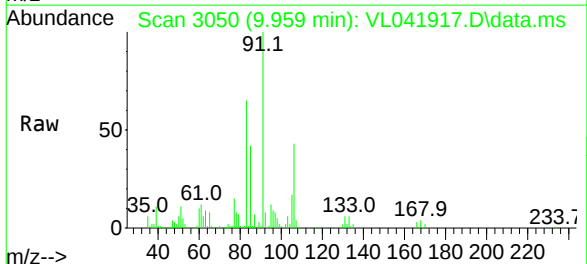
Tgt Ion:105 Resp: 754701
Ion Ratio Lower Upper
105 100
120 25.0 20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 10.602 ppbv
RT: 9.959 min Scan# 3055
Delta R.T. -0.016 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

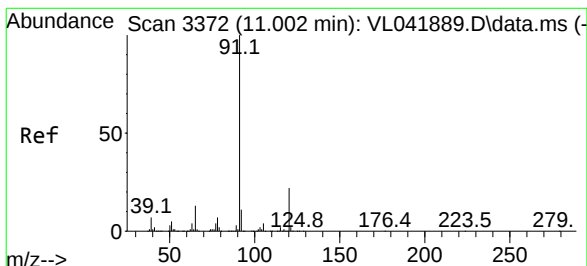
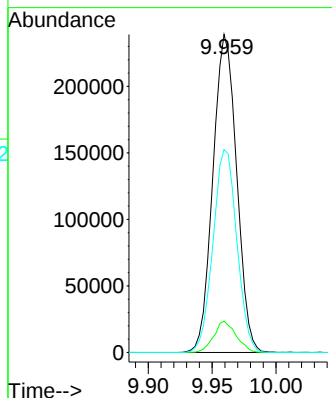
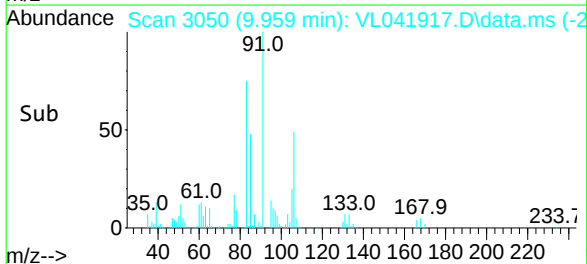
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



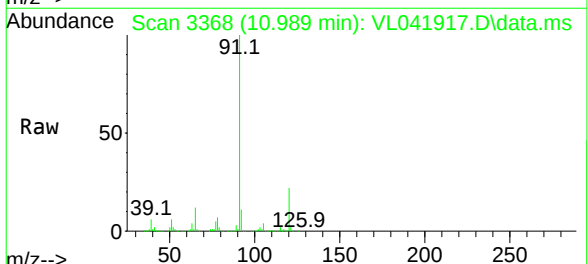
Tgt Ion: 83 Resp: 308812
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.4
85 63.9 32.4 97.2

Manual Integrations
APPROVED

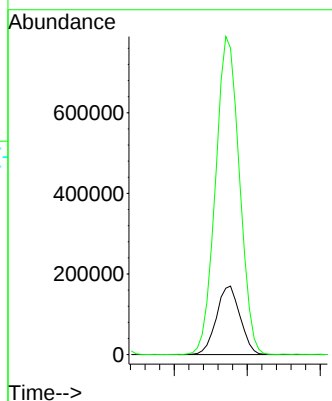
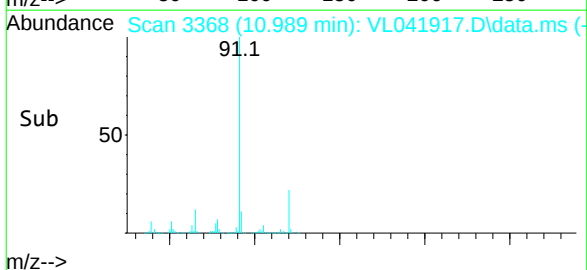
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

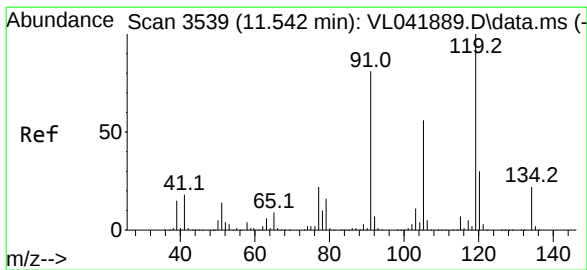


#64
n-propylbenzene
Concen: 10.756 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.013 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25



Tgt Ion:120 Resp: 191700
Ion Ratio Lower Upper
120 100
91 469.8 374.1 561.1





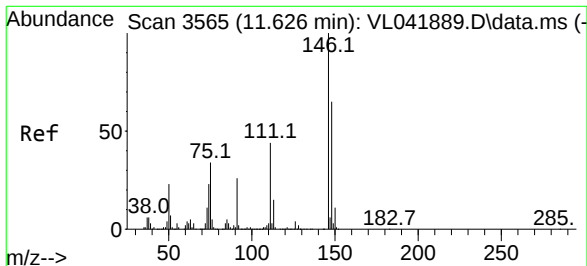
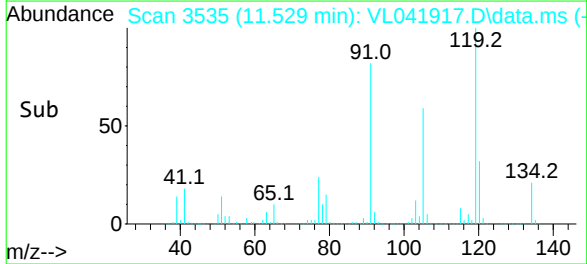
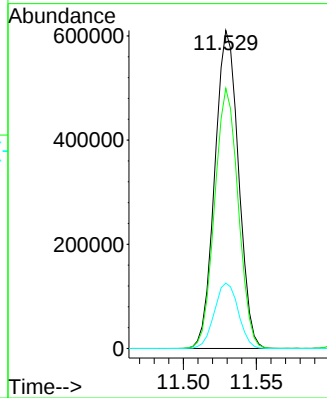
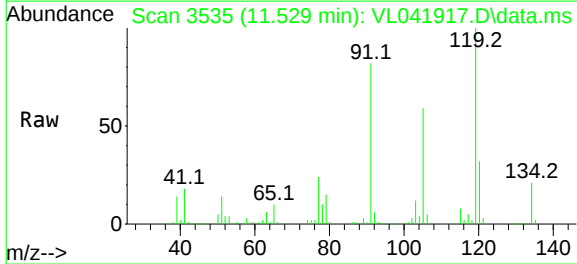
#65
tert-Butylbenzene
Concen: 10.725 ppbv
RT: 11.529 min Scan# 3539
Delta R.T. -0.013 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:	119	Resp:	689403
Ion	Ratio	Lower	Upper
119	100		
91	81.3	64.6	97.0
134	20.8	16.8	25.2

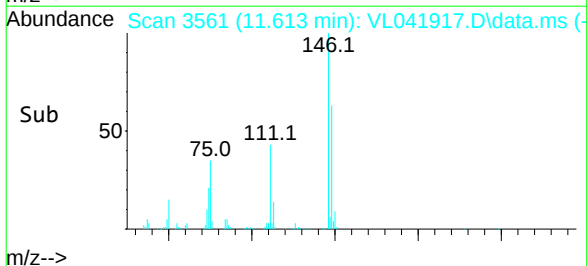
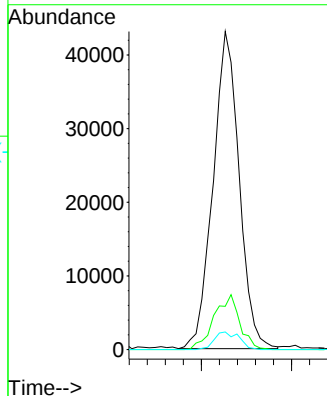
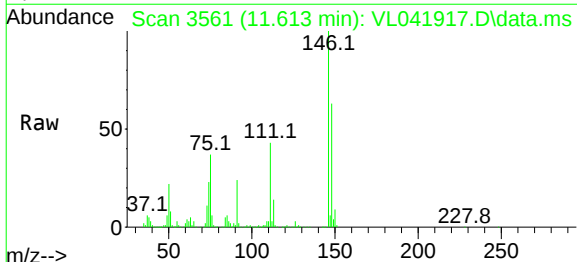
Manual Integrations
APPROVED

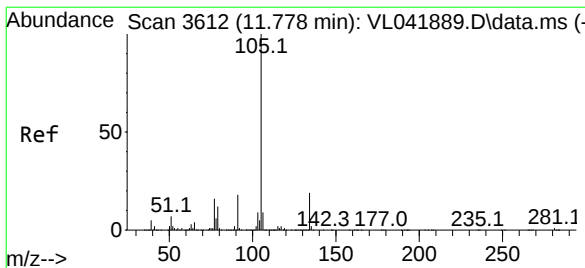
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#66
Benzyl Chloride
Concen: 10.888 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.013 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

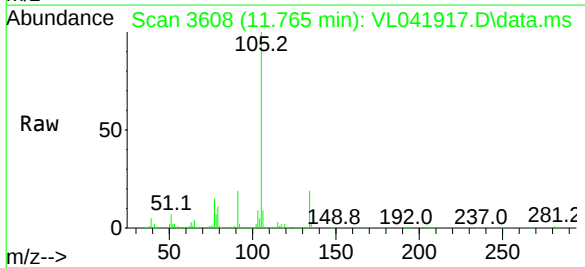
Tgt Ion:	91	Resp:	43319
Ion	Ratio	Lower	Upper
91	100		
126	17.0	14.1	21.1
128	5.3	4.3	6.5





#67
sec-Butylbenzene
Concen: 10.650 ppbv
RT: 11.765 min Scan# 3612
Delta R.T. -0.013 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

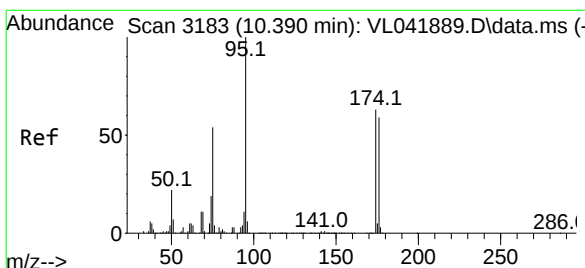
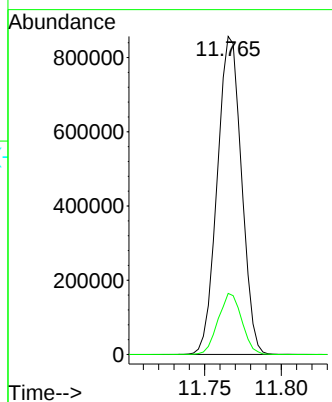
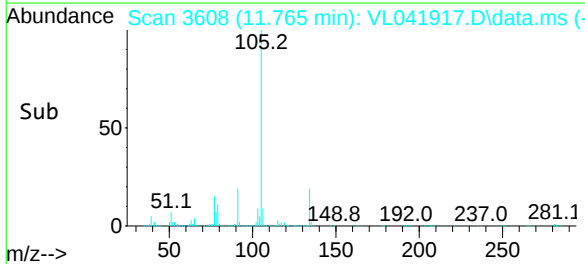
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 105 Resp: 942685
Ion Ratio Lower Upper
105 100
134 18.8 15.1 22.7

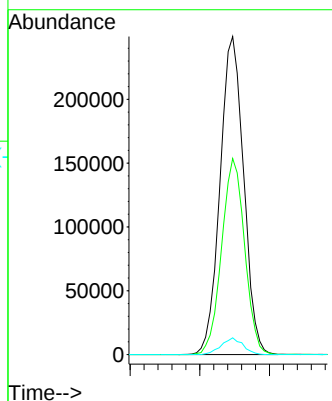
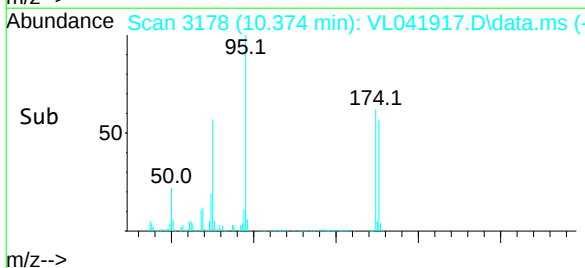
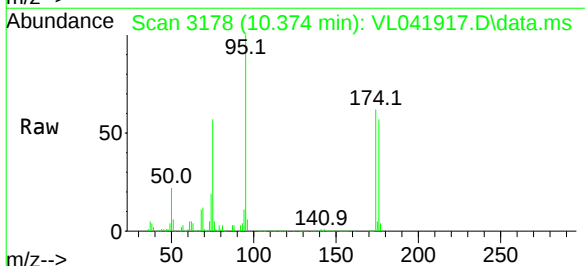
Manual Integrations
APPROVED

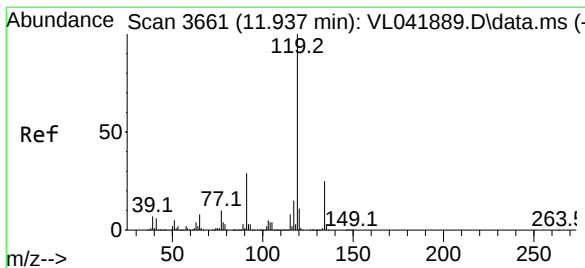
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.154 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.016 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

Tgt Ion: 95 Resp: 293204
Ion Ratio Lower Upper
95 100
174 60.1 49.0 73.4
175 4.9 3.8 5.8





#69

p-Isopropyltoluene

Concen: 10.860 ppbv

RT: 11.924 min Scan# 3661

Delta R.T. -0.013 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

Instrument :

MSVOA_L

ClientSampleId :

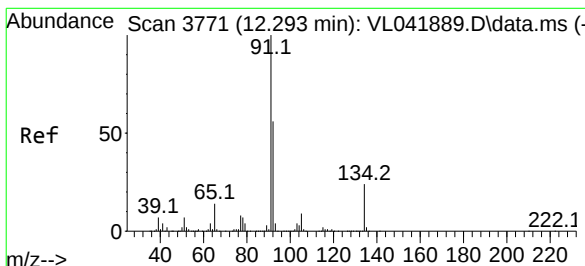
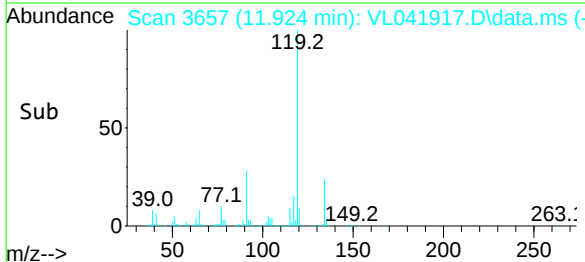
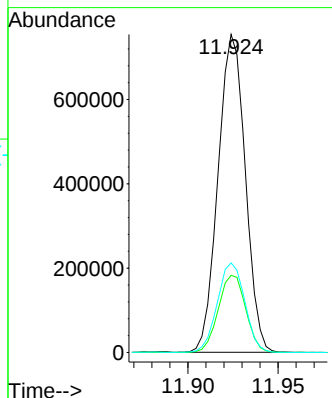
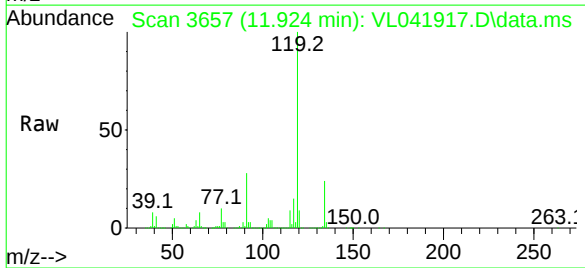
VSTDCCC010

Tgt Ion:	119	Resp:	791581
Ion	Ratio	Lower	Upper
119	100		
134	24.6	19.8	29.6
91	28.6	23.0	34.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#70

n-Butylbenzene

Concen: 10.537 ppbv

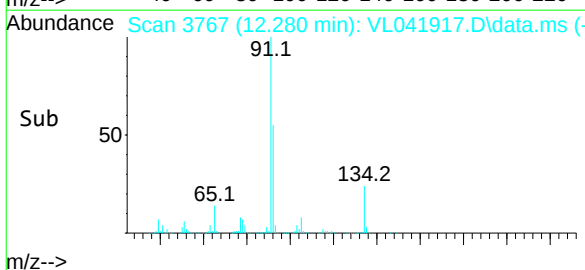
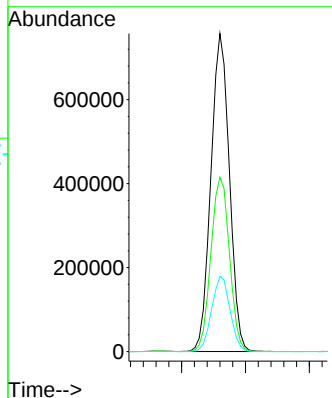
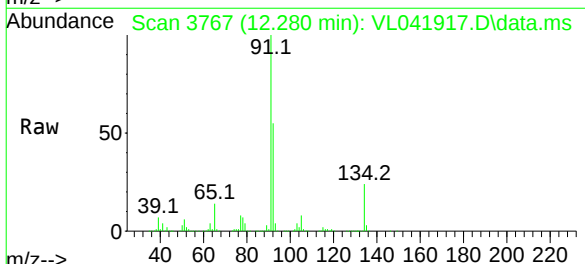
RT: 12.280 min Scan# 3767

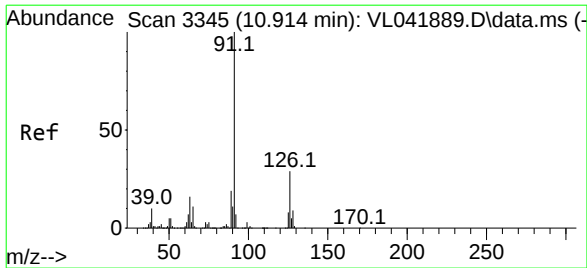
Delta R.T. -0.013 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

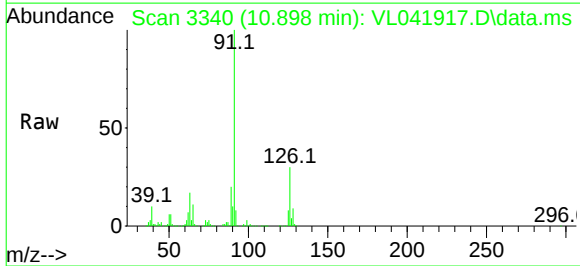
Tgt Ion:	91	Resp:	761646
Ion	Ratio	Lower	Upper
91	100		
92	55.1	43.8	65.6
134	23.6	19.0	28.6





#71
2-Chlorotoluene
Concen: 10.730 ppbv
RT: 10.898 min Scan# 3345
Delta R.T. -0.016 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25

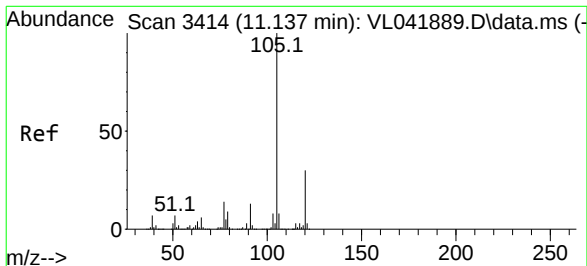
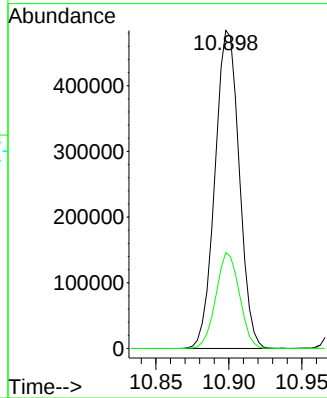
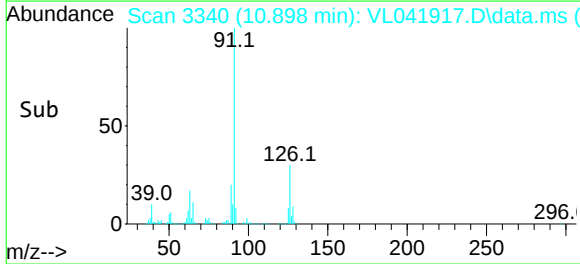
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



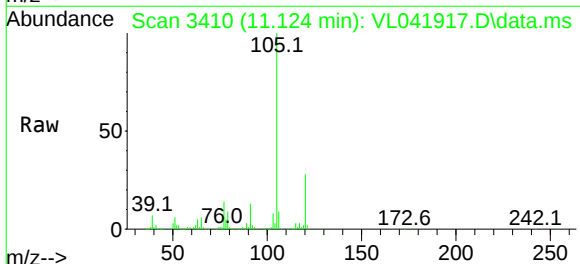
Tgt Ion: 91 Resp: 559896
Ion Ratio Lower Upper
91 100
126 29.3 11.7 46.7

Manual Integrations
APPROVED

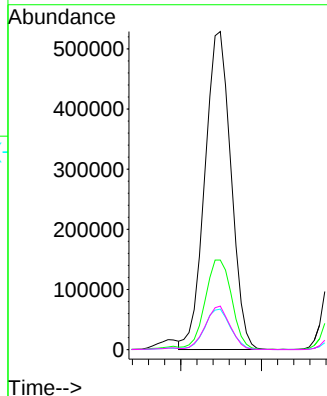
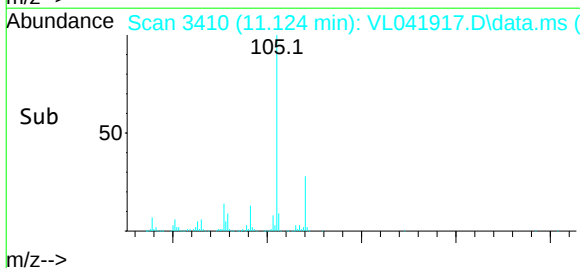
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

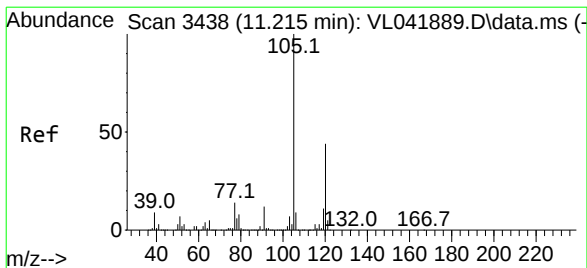


#72
4-Ethyltoluene
Concen: 10.901 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.013 min
Lab File: VL041917.D
Acq: 20 Jan 2025 12:25



Tgt Ion:105 Resp: 594409
Ion Ratio Lower Upper
105 100
120 29.5 23.7 35.5
91 13.0 10.2 15.2
77 13.5 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 10.780 ppbv

RT: 11.202 min Scan# 34

Delta R.T. -0.013 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 519084

Ion Ratio Lower Upper

105 100

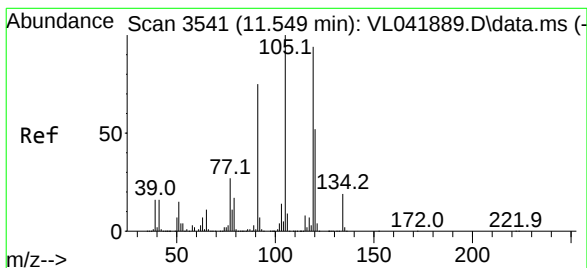
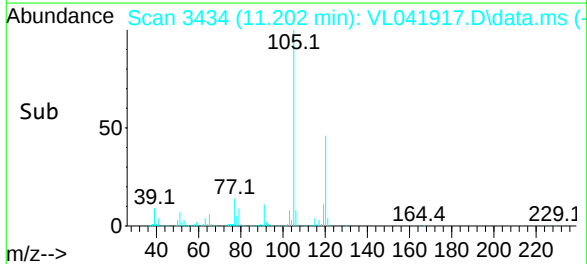
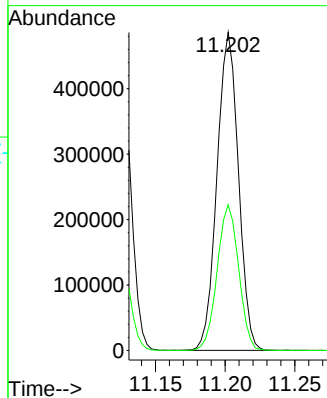
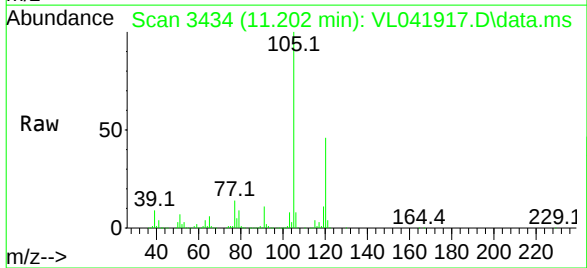
120 45.8 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.675 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.013 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

Tgt Ion:105 Resp: 556666

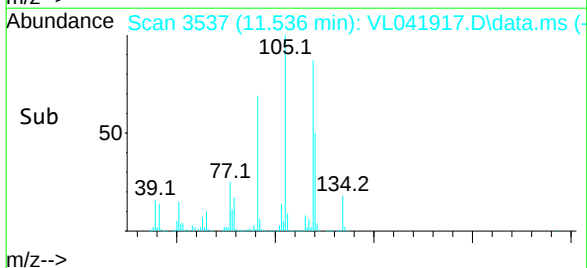
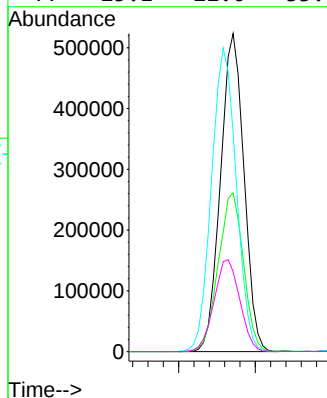
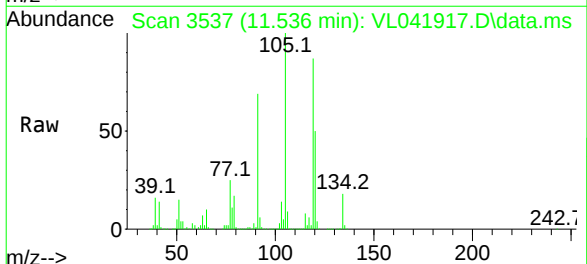
Ion Ratio Lower Upper

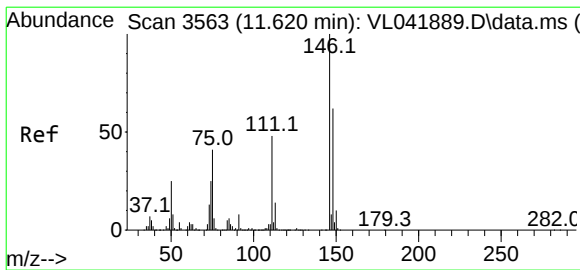
105 100

120 49.9 41.4 62.2

91 68.9 60.2 90.2

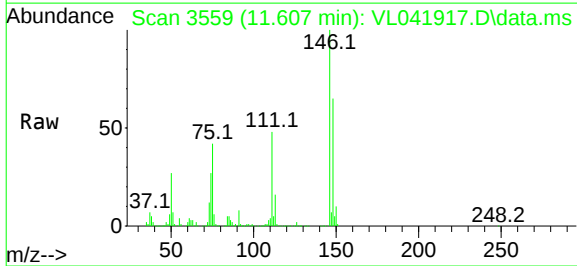
77 25.1 22.0 33.0





#75
 1,3-Dichlorobenzene
 Concen: 10.321 ppbv
 RT: 11.607 min Scan# 3559
 Delta R.T. -0.013 min
 Lab File: VL041917.D
 Acq: 20 Jan 2025 12:25

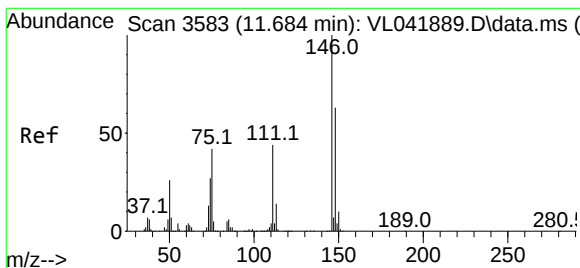
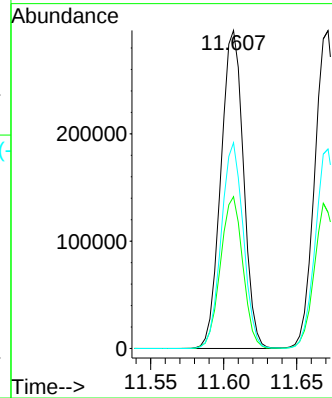
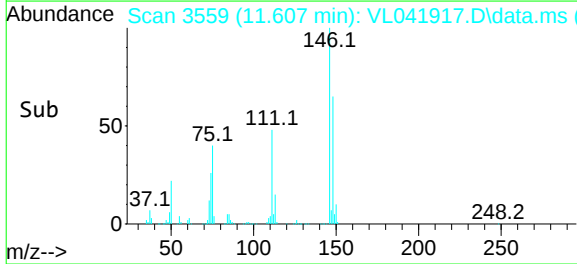
Instrument : MSVOA_1
 ClientSampleId : VSTDCCC010



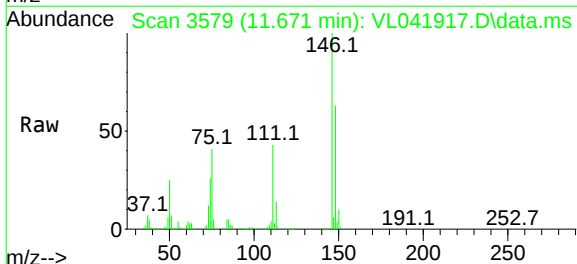
Tgt Ion:	146	Resp:	318934
Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.6	70.8
148	63.2	31.4	94.0

Manual Integrations
 APPROVED

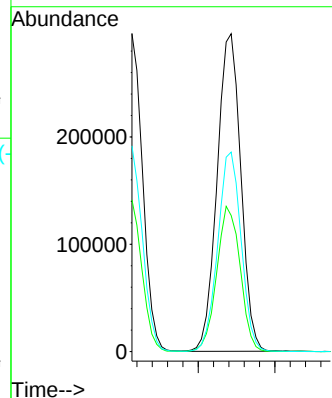
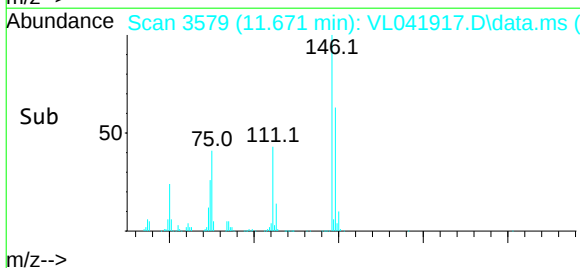
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

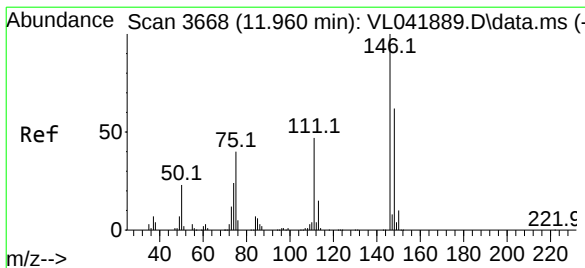


#76
 1,4-Dichlorobenzene
 Concen: 10.535 ppbv
 RT: 11.671 min Scan# 3579
 Delta R.T. -0.013 min
 Lab File: VL041917.D
 Acq: 20 Jan 2025 12:25



Tgt Ion:	146	Resp:	318485
Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.4	67.0
148	62.1	31.9	95.5





#77

1,2-Dichlorobenzene

Concen: 10.266 ppbv

RT: 11.947 min Scan# 3668

Delta R.T. -0.013 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

Instrument :

MSVOA_L

ClientSampleId :

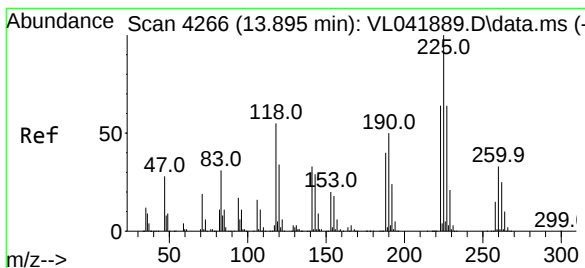
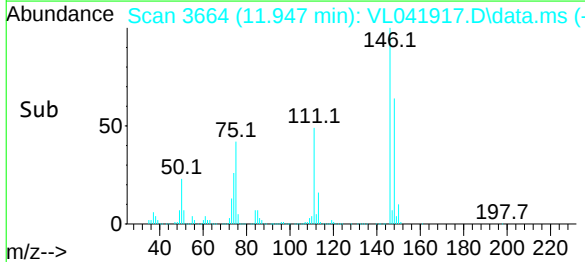
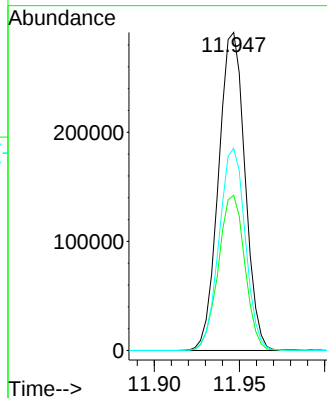
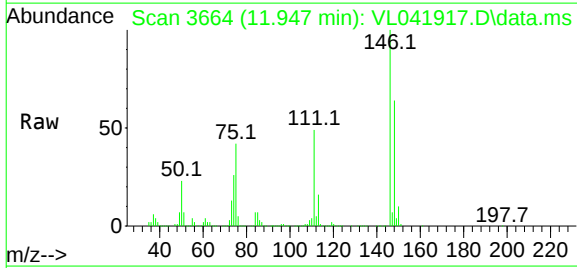
VSTDCCC010

Tgt Ion:	146	Resp:	314384
Ion Ratio	Lower	Upper	
146	100		
111	49.0	24.2	72.6
148	63.2	31.7	95.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#78

Hexachloro-1,3-Butadiene

Concen: 9.104 ppbv

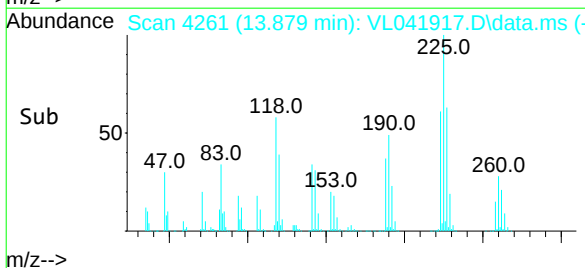
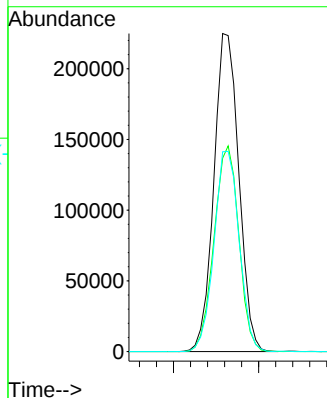
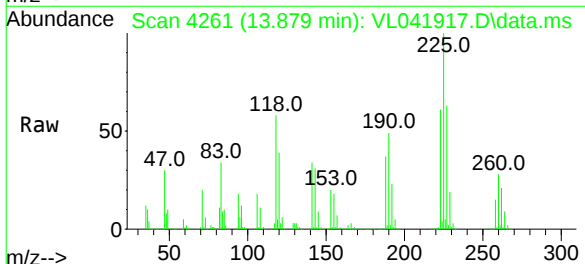
RT: 13.879 min Scan# 4261

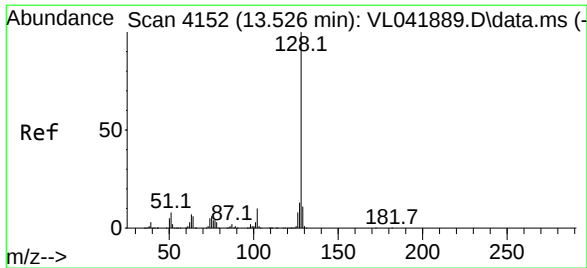
Delta R.T. -0.016 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

Tgt Ion:	225	Resp:	228831
Ion Ratio	Lower	Upper	
225	100		
223	64.2	50.8	76.2
227	63.4	50.3	75.5





#79

Naphthalene

Concen: 9.586 ppbv

RT: 13.513 min Scan# 41

Delta R.T. -0.013 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

Instrument :

MSVOA_L

ClientSampleId :

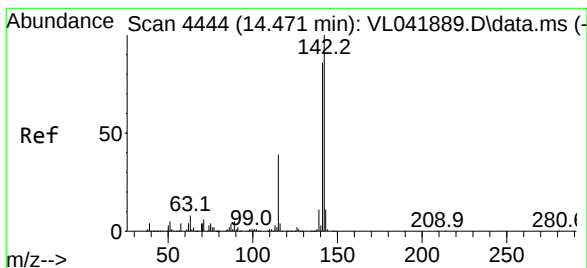
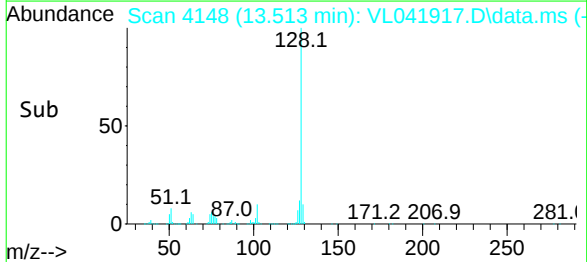
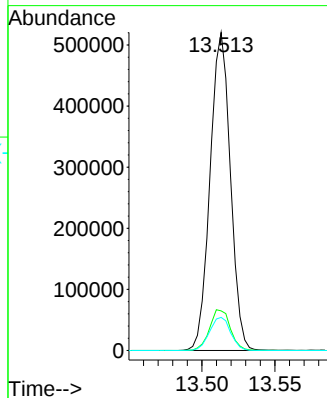
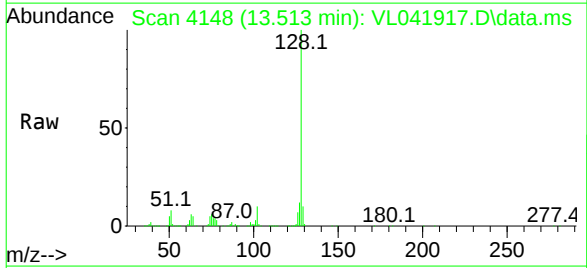
VSTDCCC010

Tgt Ion:	128	Resp:	503311
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.4
129	10.4	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#80

Naphthalene, 2-methyl-

Concen: 7.214 ppbv

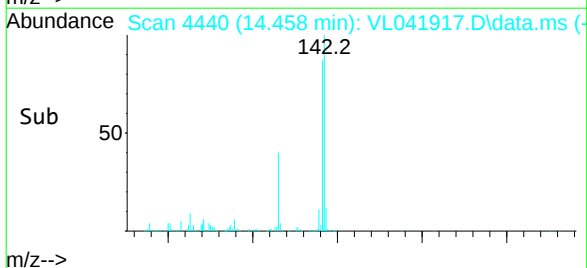
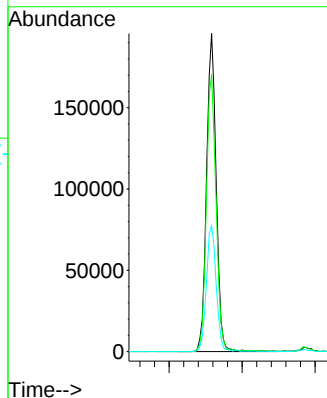
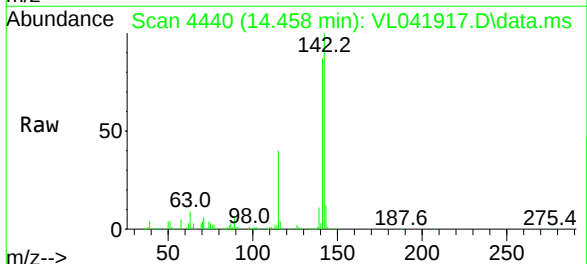
RT: 14.458 min Scan# 4440

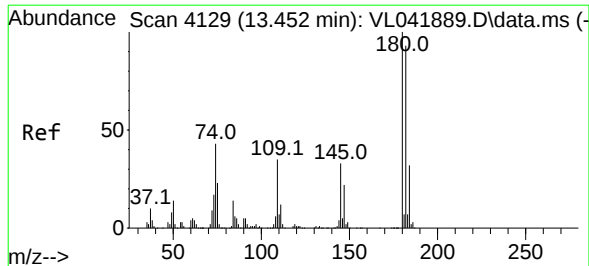
Delta R.T. -0.013 min

Lab File: VL041917.D

Acq: 20 Jan 2025 12:25

Tgt Ion:	142	Resp:	179578
Ion Ratio	Lower	Upper	
142	100		
141	87.4	68.1	102.1
115	40.8	31.7	47.5





#81

1,2,4-Trichlorobenzene

Concen: 9.322 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.013 min

Lab File: VL041917.D

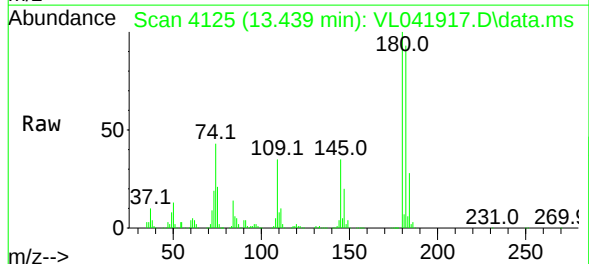
Acq: 20 Jan 2025 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:	180	Resp:	238914
Ion Ratio	Lower	Upper	
180	100		
182	93.2	77.0	115.6
184	29.5	24.9	37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

