

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021025\
 Data File : VL041977.D
 Acq On : 10 Feb 2025 08:32
 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 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 01:18:00 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	2.780	49	154218	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.949	114	410131	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.872	117	354638	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.367 95 277551 9.936 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	205069	9.762	ppbv	98
3) Chlorodifluoromethane	1.473	51	235186	10.687	ppbv	100
4) Chloromethane	1.528	50	87187	11.036	ppbv	98
5) Vinyl Chloride	1.576	62	83244	10.403	ppbv	100
6) Bromomethane	1.664	94	38569	10.113	ppbv	93
7) Chloroethane	1.699	64	33775	10.848	ppbv	94
8) Dichlorotetrafluoroethane	1.551	85	186089	10.137	ppbv	98
9) Propene	1.479	41	93627	10.328	ppbv	96
10) Heptane	4.965	43	270466	11.162	ppbv	97
11) Trichlorofluoromethane	1.871	101	211625	9.685	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.133	101	173899	10.154	ppbv	99
13) Ethanol	1.716	45	4675	7.041	ppbv	95
14) Bromoethene	1.777	108	58266	9.292	ppbv	96
15) Acetone	1.829	43	180346	9.736	ppbv	100
16) 1,3-Butadiene	1.606	39	87342	10.506	ppbv	98
17) tert-Butyl alcohol	2.036	59	209967	9.210	ppbv	97
18) 1,1-Dichloroethene	2.030	96	76076	9.856	ppbv	97
19) Isopropyl Alcohol	1.881	45	99565	9.066	ppbv	91
20) Methylene Chloride	2.055	84	67574	9.231	ppbv	92
21) Allyl Chloride	2.091	41	135890	10.595	ppbv	97
22) trans-1,2-Dichloroethene	2.334	96	87114	10.000	ppbv	100
23) Vinyl Acetate	2.457	43	97772	10.649	ppbv	98
24) 1,1-Dichloroethane	2.402	63	173995	10.326	ppbv	99
25) Ethyl Acetate	2.829	43	557021	11.152	ppbv	100
26) Hexane	2.819	57	213109	10.788	ppbv	93
27) Carbon Disulfide	2.143	76	212559	10.873	ppbv	98
28) Methyl tert-Butyl Ether	2.434	73	114672	7.595	ppbv	99
29) Chloroform	2.842	83	334190	10.702	ppbv	99
30) Cyclohexane	3.845	84	177133	10.338	ppbv	97
31) cis-1,2-Dichloroethene	2.712	61	205042	9.857	ppbv	94
32) 1,1,1-Trichloroethane	3.360	97	309991	10.374	ppbv	99
34) 2-Butanone	2.551	43	319120	12.235	ppbv	97
35) Carbon Tetrachloride	3.751	117	314905	12.224	ppbv	98
36) Benzene	3.648	78	437818	11.639	ppbv	98
37) 1,2-Dichloroethane	3.211	62	240312	11.375	ppbv	98
38) Trichloroethene	4.538	130	168613	11.295	ppbv	99
39) 1,2-Dichloropropane	4.302	63	153848	11.659	ppbv	99
40) 1,4-Dioxane	4.574	88	72221	10.838	ppbv #	96
41) Tetrahydrofuran	3.049	42	173245	12.222	ppbv	96
42) Bromodichloromethane	4.480	83	340153	12.008	ppbv	99
43) Methyl Methacrylate	4.868	69	154005	11.021	ppbv	97
44) 2,2,4-Trimethylpentane	4.625	57	746941	12.276	ppbv	99
45) t-1,3-Dichloropropene	6.402	75	139758	10.685	ppbv	99

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

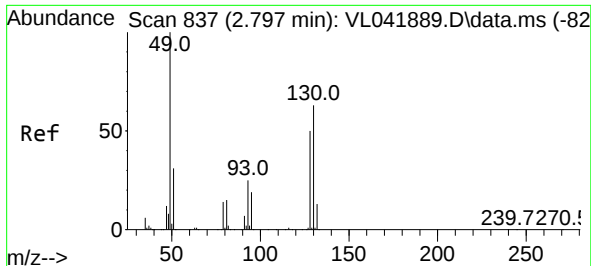
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

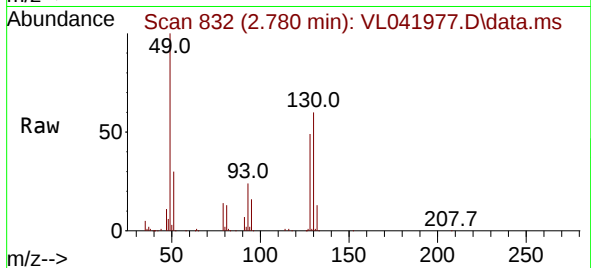
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	192080	11.184	ppbv	98
47) 1,1,2-Trichloroethane	6.567	97	169529	12.122	ppbv	97
48) Dibromochloromethane	7.373	129	267572	12.400	ppbv	99
49) Bromoform	9.474	173	223538	12.611	ppbv	100
50) 4-Methyl-2-Pentanone	5.739	43	432571	12.149	ppbv	98
51) 2-Hexanone	7.425	43	334291	12.218	ppbv #	96
52) Tetrachloroethene	8.215	164	140056	10.738	ppbv	98
53) Toluene	6.920	91	472272	11.526	ppbv	99
54) 1,2-Dibromoethane	7.642	107	226578	11.785	ppbv	88
56) 1,1,1,2-Tetrachloroethane	8.914	131	222785	12.591	ppbv	99
57) Chlorobenzene	8.911	112	395804	12.099	ppbv	99
58) Ethyl Benzene	9.344	91	654282	11.805	ppbv	98
59) m/p-Xylene	9.542	91	1115572m	25.112	ppbv	
60) o-Xylene	9.956	91	553733	12.558	ppbv	98
61) Styrene	9.862	104	239238	12.095	ppbv	98
62) Isopropylbenzene	10.532	105	832163	12.196	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.953	83	370655	13.154	ppbv	99
64) n-propylbenzene	10.982	120	218210	12.657	ppbv	97
65) tert-Butylbenzene	11.526	119	768497	12.359	ppbv	98
66) Benzyl Chloride	11.610	91	45377	11.790	ppbv	97
67) sec-Butylbenzene	11.762	105	1061115	12.393	ppbv	99
69) p-Isopropyltoluene	11.921	119	879879	12.479	ppbv	99
70) n-Butylbenzene	12.277	91	854015	12.214	ppbv	100
71) 2-Chlorotoluene	10.895	91	610952	12.105	ppbv	98
72) 4-Ethyltoluene	11.118	105	661607	12.544	ppbv	100
73) 1,3,5-Trimethylbenzene	11.199	105	571249	12.264	ppbv	94
74) 1,2,4-Trimethylbenzene	11.529	105	627355	12.437	ppbv	96
75) 1,3-Dichlorobenzene	11.600	146	366759	12.270	ppbv	99
76) 1,4-Dichlorobenzene	11.665	146	364383	12.460	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	367508	12.406	ppbv	100
78) Hexachloro-1,3-Butadiene	13.879	225	244469	10.054	ppbv	100
79) Naphthalene	13.507	128	544923	10.729	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	152056	6.315	ppbv	98
81) 1,2,4-Trichlorobenzene	13.435	180	243210	9.811	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.017 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

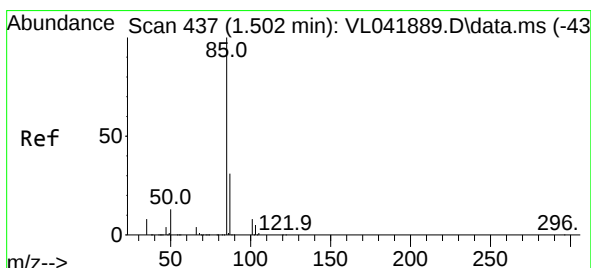
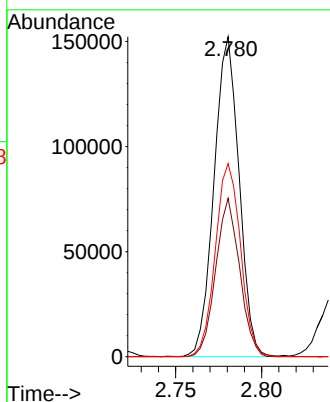
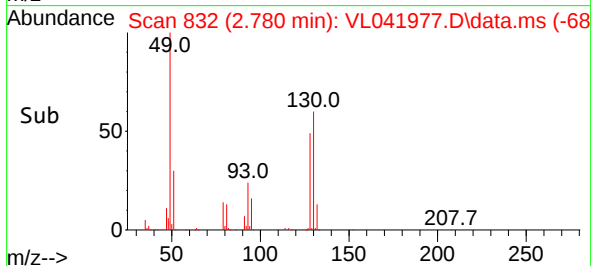
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



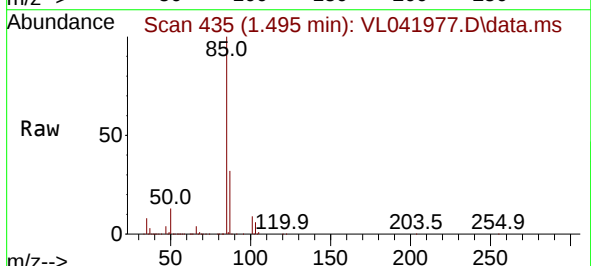
Tgt Ion: 49 Resp: 154218
Ion Ratio Lower Upper
49 100
128 47.3 24.3 73.0
130 60.8 31.1 93.2

Manual Integrations
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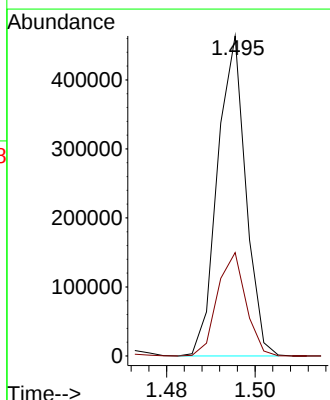
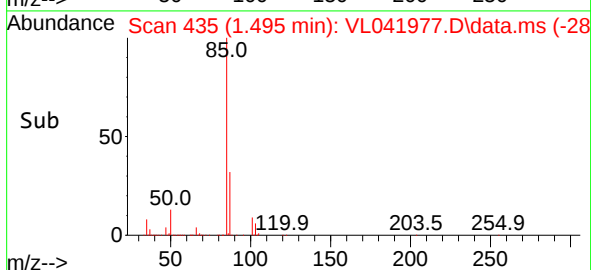
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

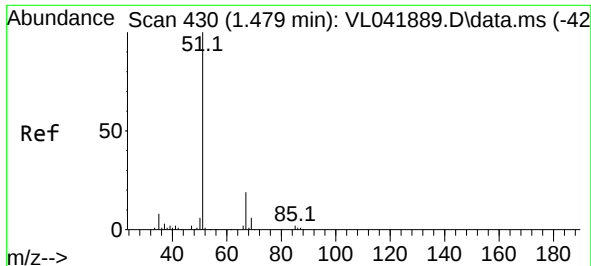


#2
Dichlorodifluoromethane
Concen: 9.762 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.006 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32



Tgt Ion: 85 Resp: 205069
Ion Ratio Lower Upper
85 100
87 32.3 24.9 37.3





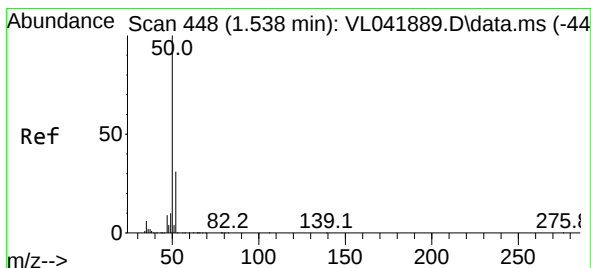
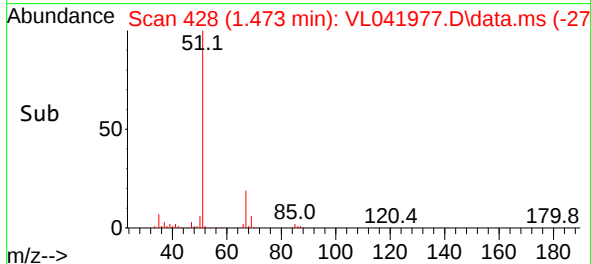
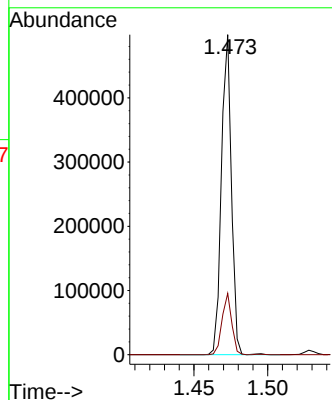
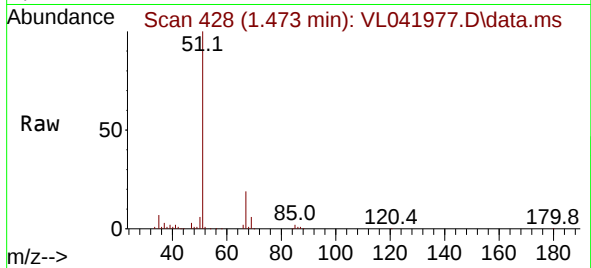
#3
Chlorodifluoromethane
Concen: 10.687 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 235186
Ion Ratio Lower Upper
51 100
67 18.6 15.0 22.4

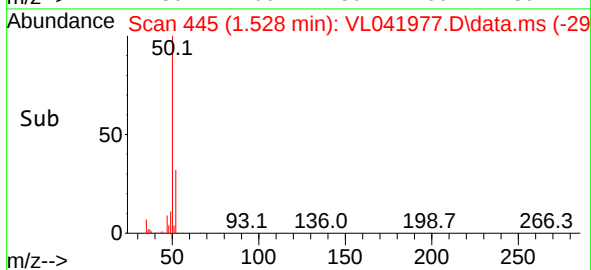
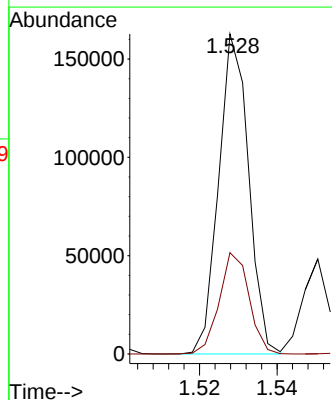
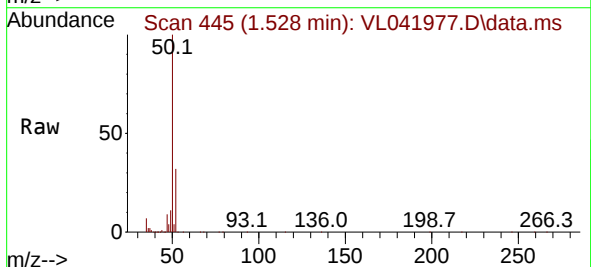
Manual Integrations
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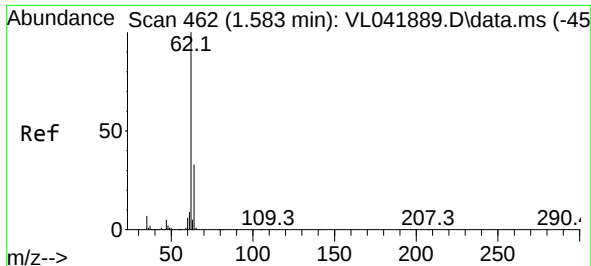
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Chloromethane
Concen: 11.036 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.010 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

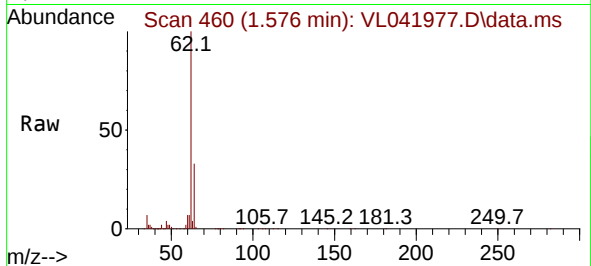
Tgt Ion: 50 Resp: 87187
Ion Ratio Lower Upper
50 100
52 31.6 24.6 36.8





#5
 Vinyl Chloride
 Concen: 10.403 ppbv
 RT: 1.576 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL041977.D
 Acq: 10 Feb 2025 08:32

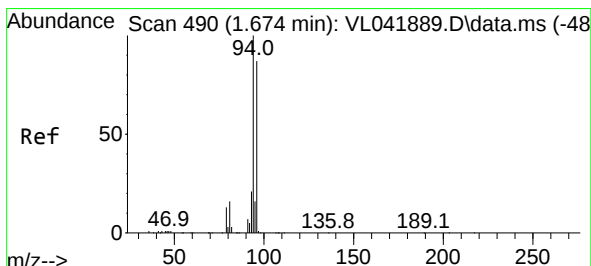
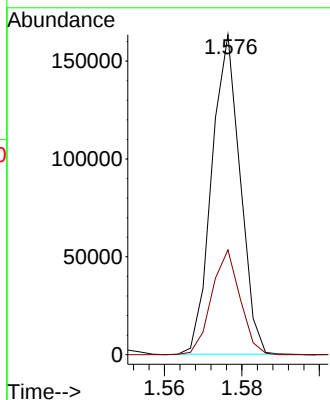
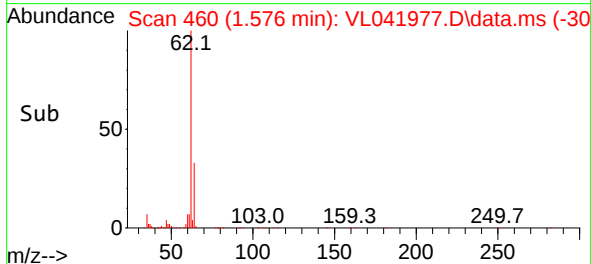
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



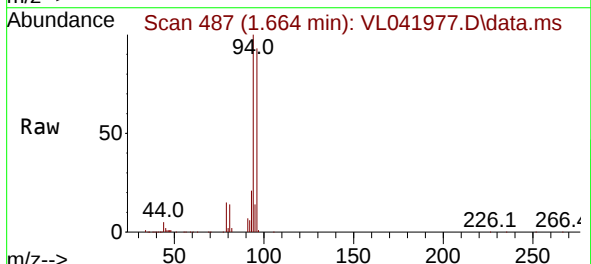
Tgt Ion: 62 Resp: 83244
 Ion Ratio Lower Upper
 62 100
 64 32.8 26.1 39.1

Manual Integrations
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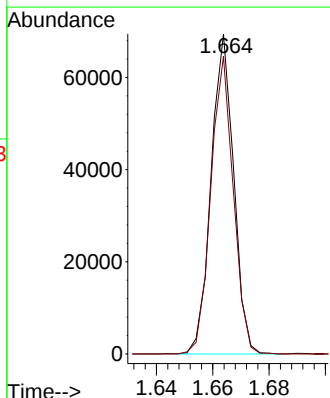
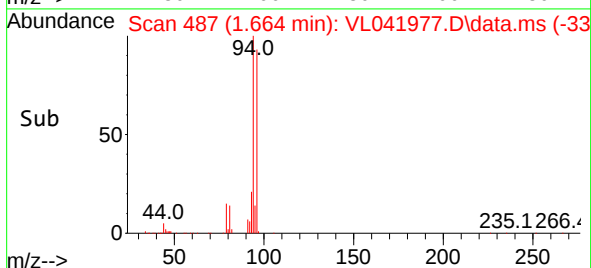
Reviewed By :Semsettin Yesilyurt 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

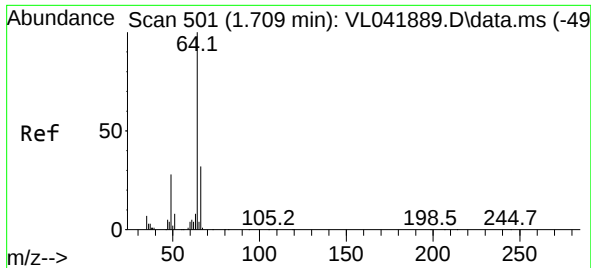


#6
 Bromomethane
 Concen: 10.113 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.010 min
 Lab File: VL041977.D
 Acq: 10 Feb 2025 08:32



Tgt Ion: 94 Resp: 38569
 Ion Ratio Lower Upper
 94 100
 96 93.1 69.5 104.3





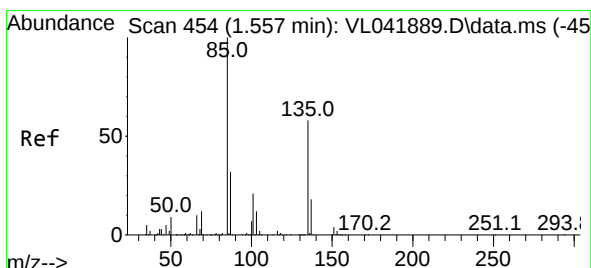
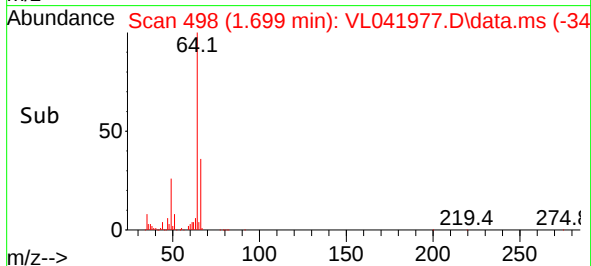
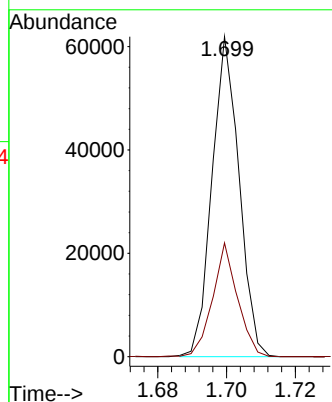
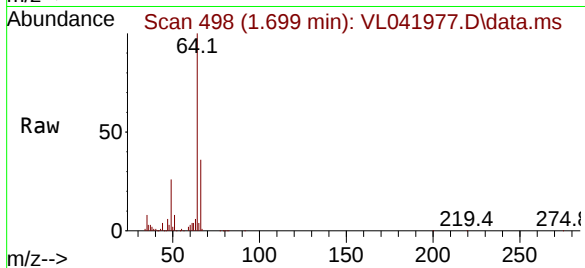
#7
Chloroethane
Concen: 10.848 ppbv
RT: 1.699 min Scan# 498
Delta R.T. -0.010 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 33775
Ion Ratio Lower Upper
64 100
66 35.5 25.7 38.5

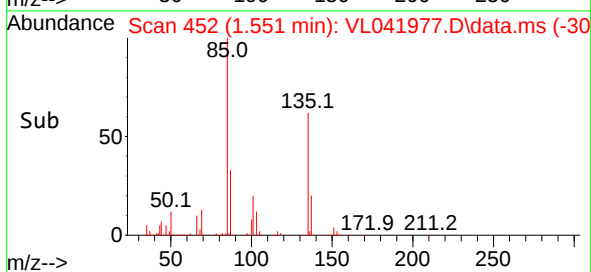
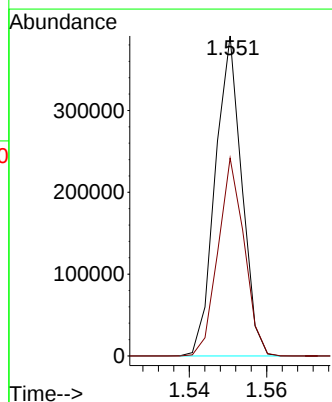
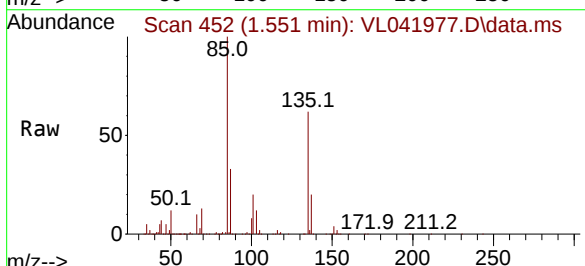
Manual Integrations
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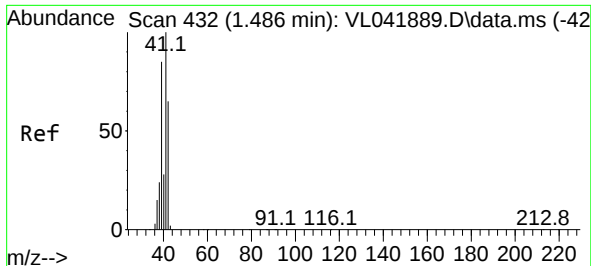
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Dichlorotetrafluoroethane
Concen: 10.137 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.006 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Tgt Ion: 85 Resp: 186089
Ion Ratio Lower Upper
85 100
135 61.1 50.0 75.0





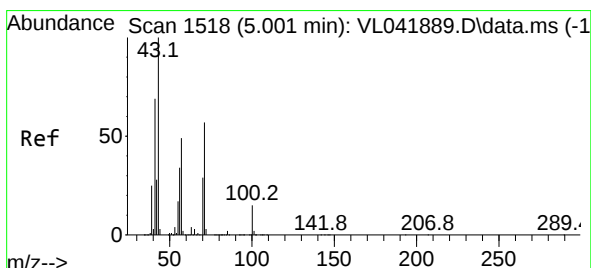
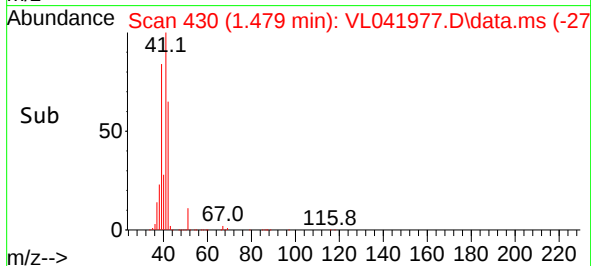
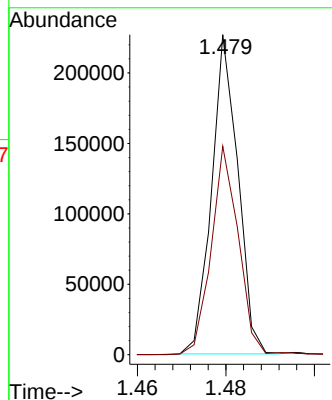
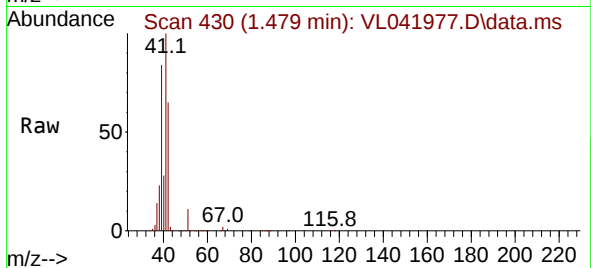
#9
 Propene
 Concen: 10.328 ppbv
 RT: 1.479 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL041977.D
 Acq: 10 Feb 2025 08:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 9362
 Ion Ratio Lower Upper
 41 100
 42 68.0 52.0 78.0

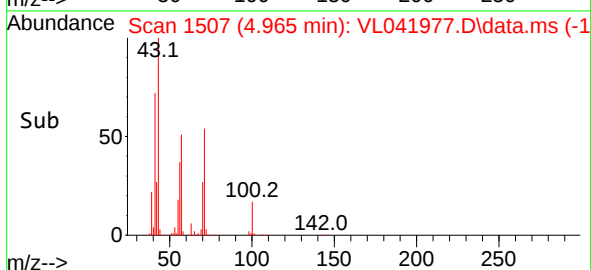
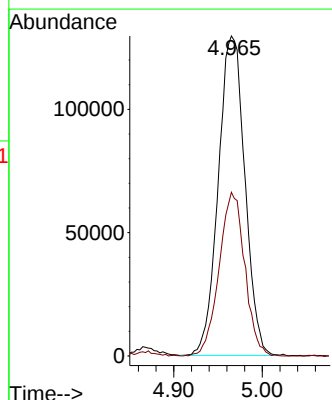
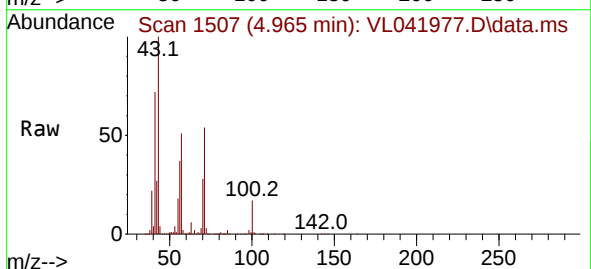
Manual Integrations
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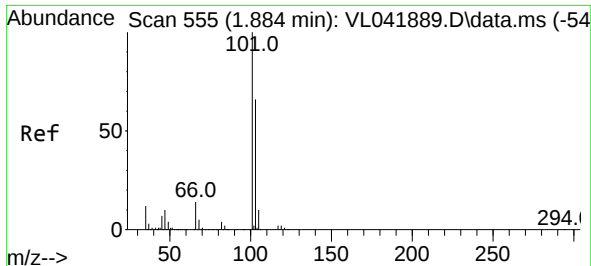
Reviewed By :Semsettin Yesilyurt 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025



#10
 Heptane
 Concen: 11.162 ppbv
 RT: 4.965 min Scan# 1507
 Delta R.T. -0.036 min
 Lab File: VL041977.D
 Acq: 10 Feb 2025 08:32

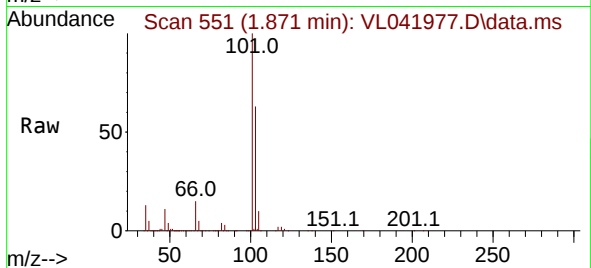
Tgt Ion: 43 Resp: 270466
 Ion Ratio Lower Upper
 43 100
 57 49.4 41.0 61.4





#11
Trichlorofluoromethane
Concen: 9.685 ppbv
RT: 1.871 min Scan# 511
Delta R.T. -0.013 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

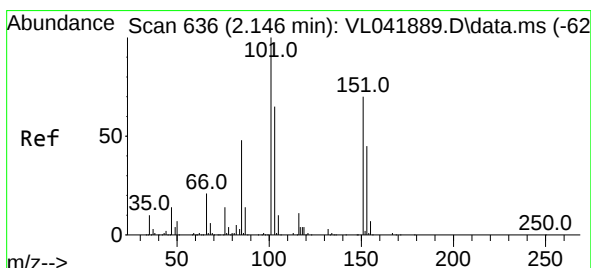
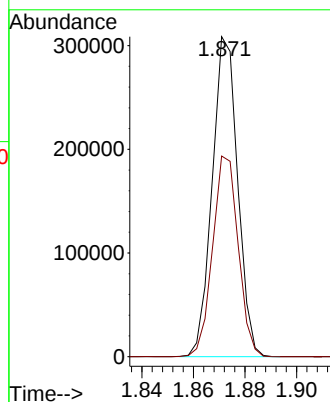
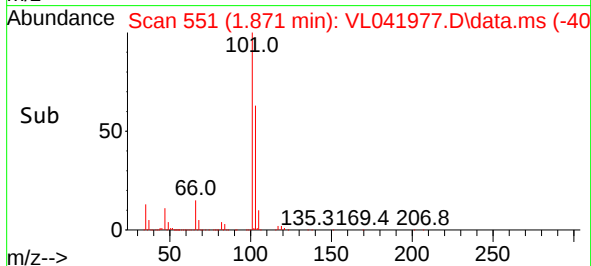
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



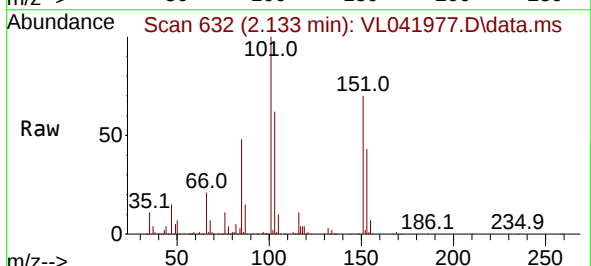
Tgt Ion:101 Resp: 211629
Ion Ratio Lower Upper
101 100
103 62.7 53.1 79.7

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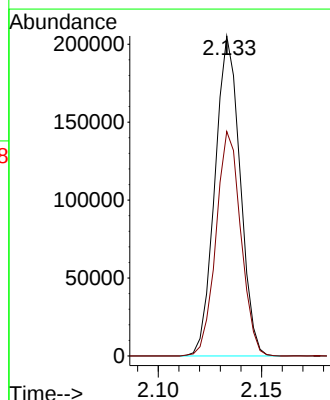
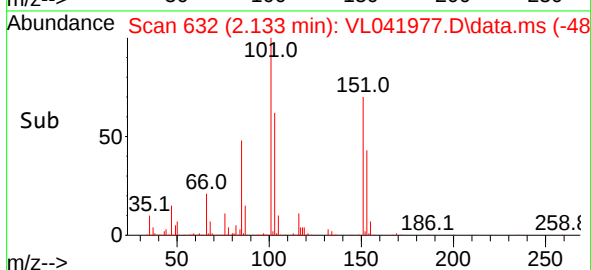
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

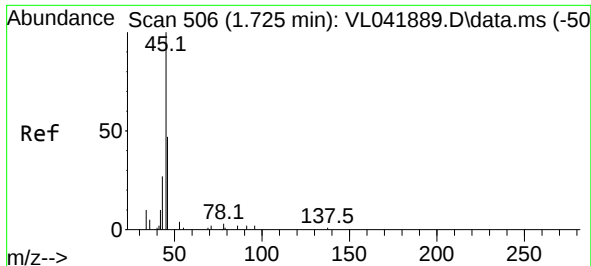


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.154 ppbv
RT: 2.133 min Scan# 632
Delta R.T. -0.013 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32



Tgt Ion:101 Resp: 173899
Ion Ratio Lower Upper
101 100
151 69.2 56.1 84.1





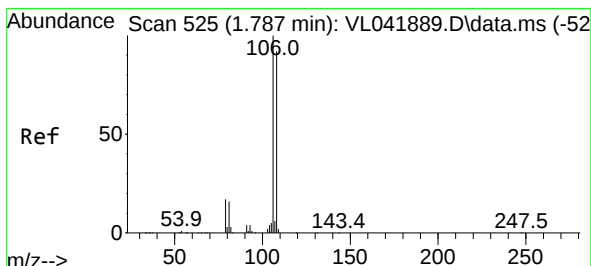
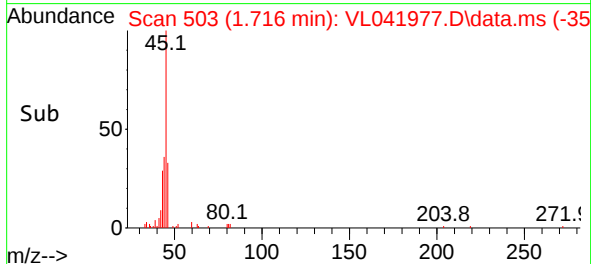
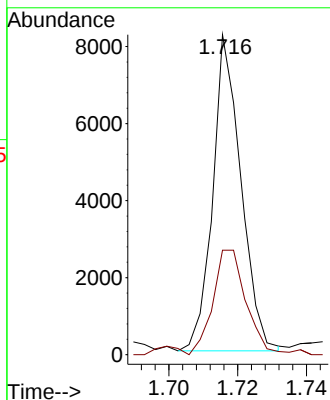
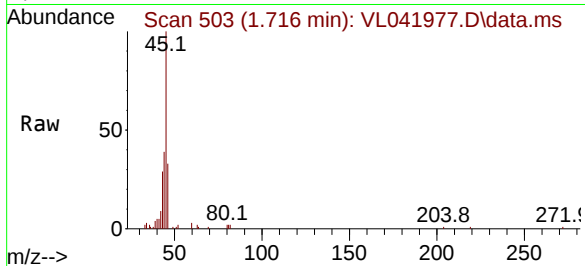
#13
Ethanol
Concen: 7.041 ppbv
RT: 1.716 min Scan# 506
Delta R.T. -0.010 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 4675
Ion Ratio Lower Upper
45 100
46 41.8 18.1 72.5

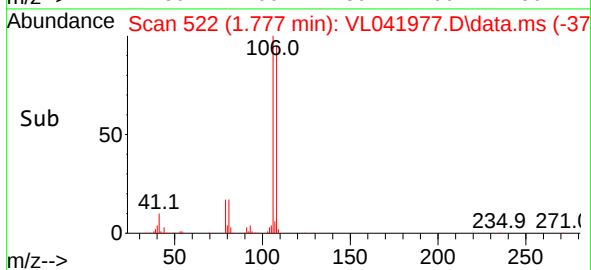
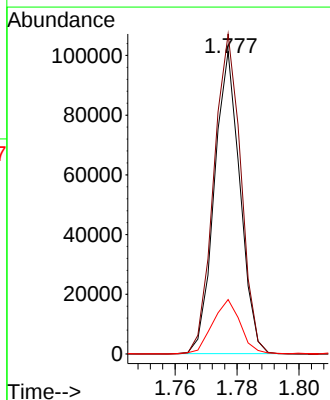
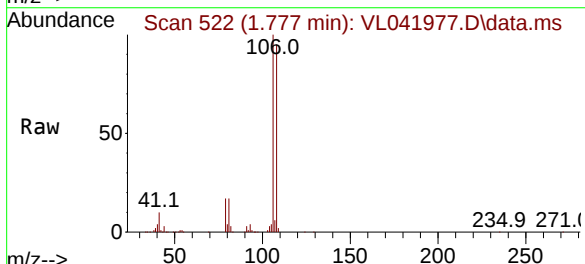
Manual Integrations
APPROVED

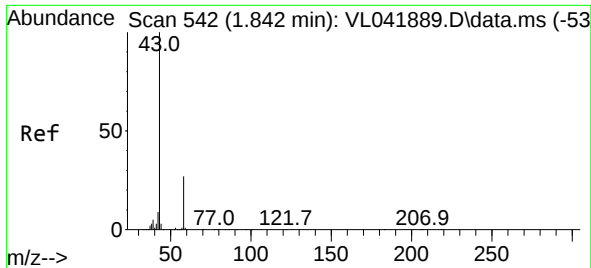
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#14
Bromoethene
Concen: 9.292 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.010 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

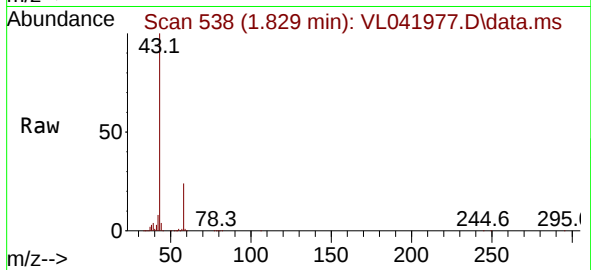
Tgt Ion:108 Resp: 58266
Ion Ratio Lower Upper
108 100
106 111.3 85.5 128.3
79 20.0 15.3 22.9





#15
Acetone
Concen: 9.736 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.013 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

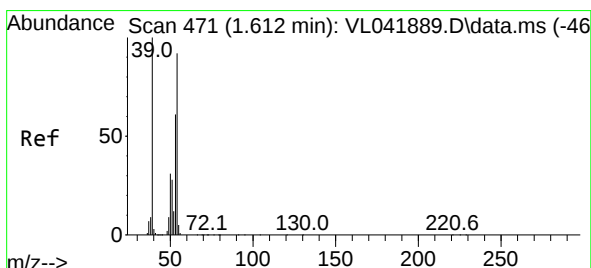
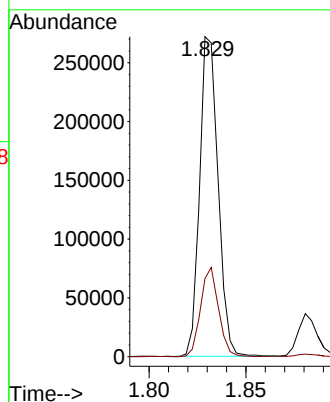
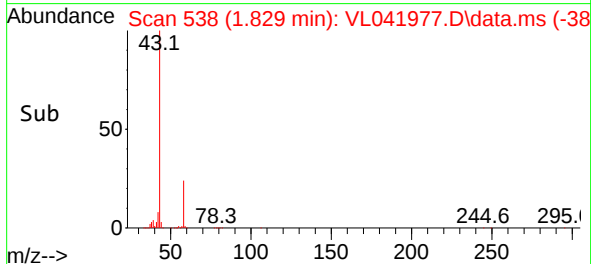
Instrument : MSVOA_L
ClientSampleId : VSTDCCC010



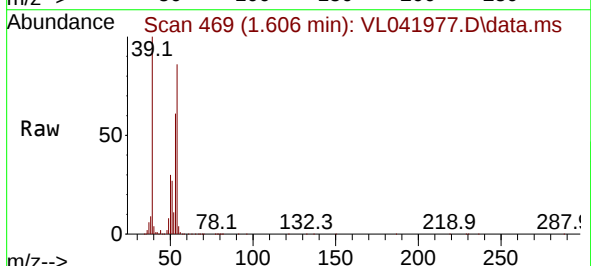
Tgt Ion: 43 Resp: 180340
Ion Ratio Lower Upper
43 100
58 27.3 21.9 32.9

Manual Integrations
APPROVED

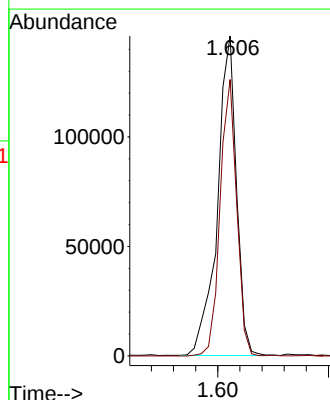
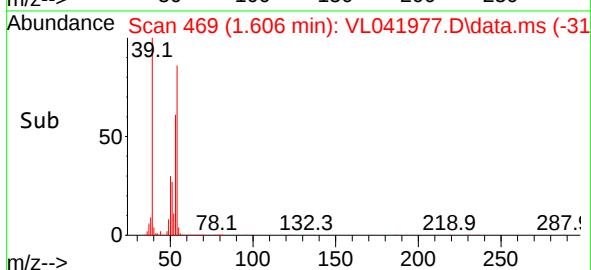
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

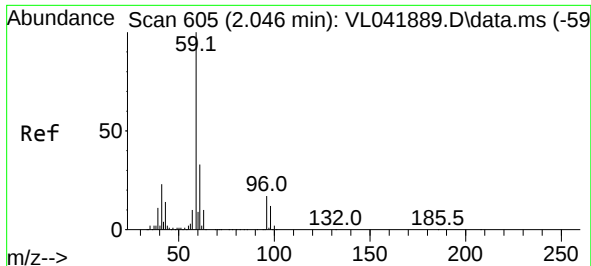


#16
1,3-Butadiene
Concen: 10.506 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.007 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32



Tgt Ion: 39 Resp: 87342
Ion Ratio Lower Upper
39 100
54 75.0 61.6 92.4





#17

tert-Butyl alcohol

Concen: 9.210 ppbv

RT: 2.036 min Scan# 605

Delta R.T. -0.010 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 20996

Ion Ratio Lower Upper

59 100

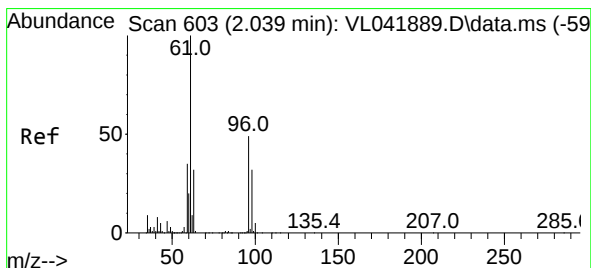
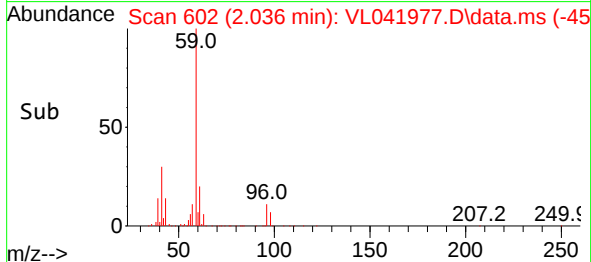
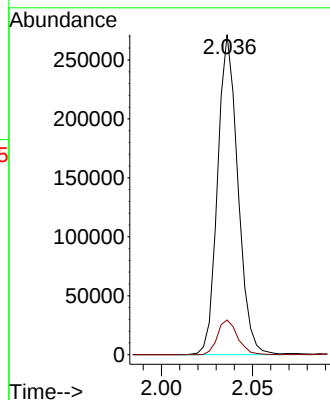
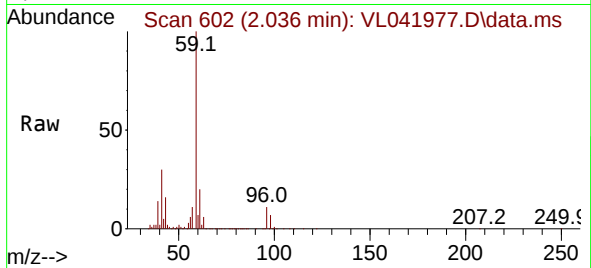
57 10.7 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#18

1,1-Dichloroethene

Concen: 9.856 ppbv

RT: 2.030 min Scan# 600

Delta R.T. -0.010 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

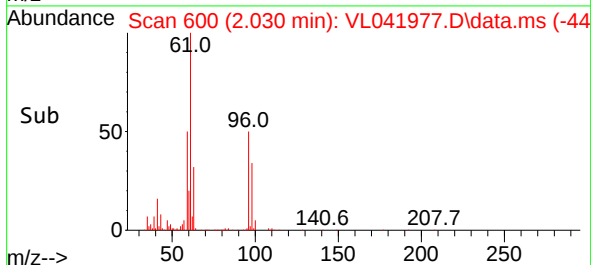
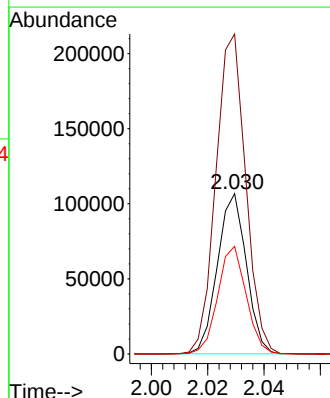
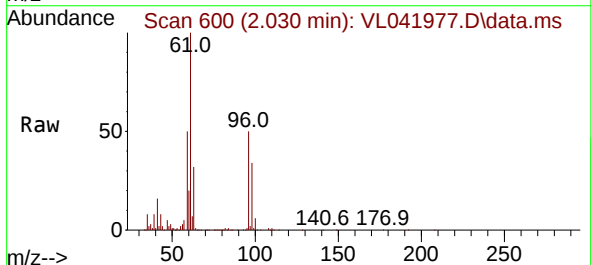
Tgt Ion: 96 Resp: 76076

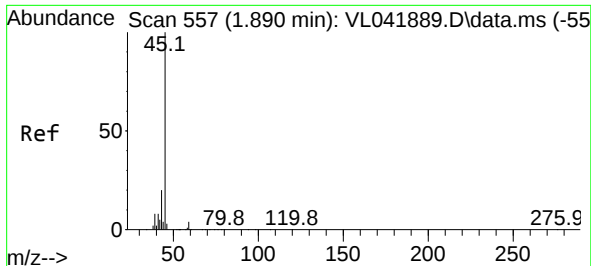
Ion Ratio Lower Upper

96 100

61 199.4 163.1 244.7

98 67.0 52.7 79.1





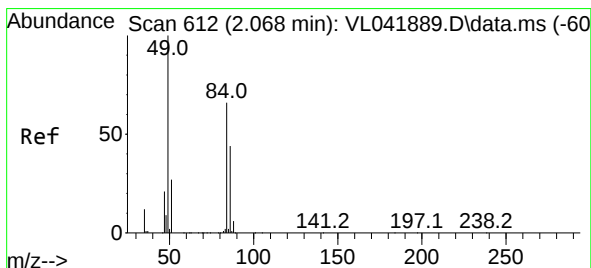
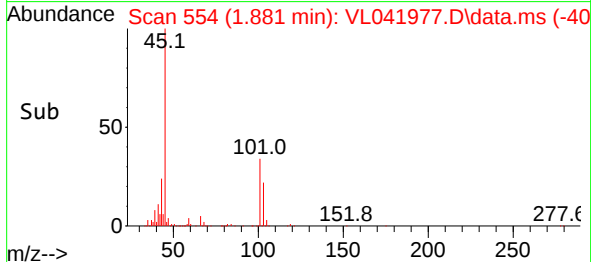
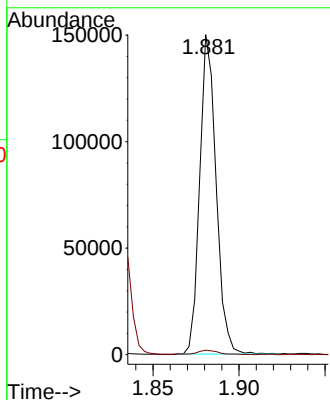
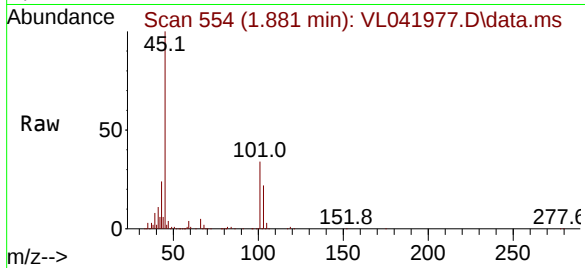
#19
Isopropyl Alcohol
Concen: 9.066 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.010 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 9956
Ion Ratio Lower Upper
45 100
58 49.4 35.0 52.6

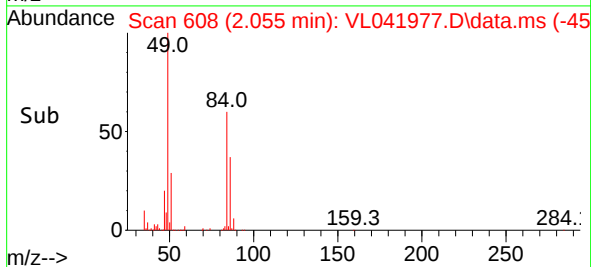
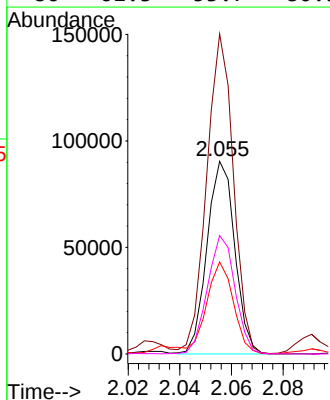
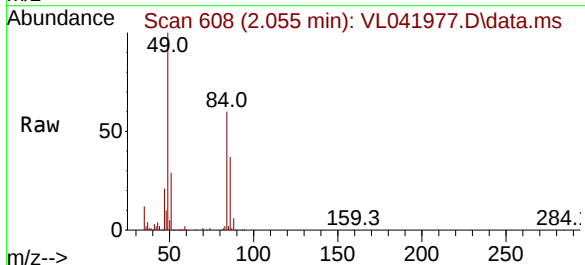
Manual Integrations
APPROVED

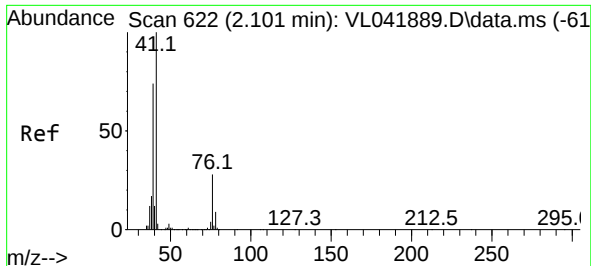
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#20
Methylene Chloride
Concen: 9.231 ppbv
RT: 2.055 min Scan# 608
Delta R.T. -0.013 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

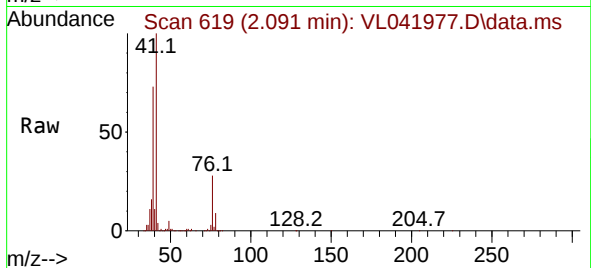
Tgt Ion: 84 Resp: 67574
Ion Ratio Lower Upper
84 100
49 165.6 123.1 184.7
51 47.6 35.8 53.8
86 61.3 53.7 80.5





#21
 Allyl Chloride
 Concen: 10.595 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.010 min
 Lab File: VL041977.D
 Acq: 10 Feb 2025 08:32

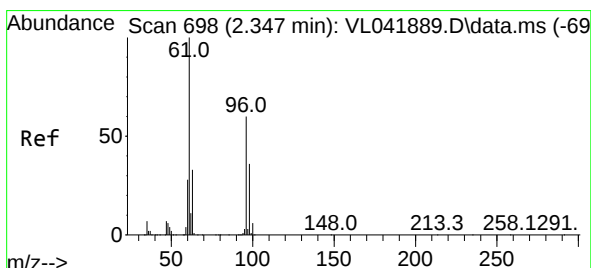
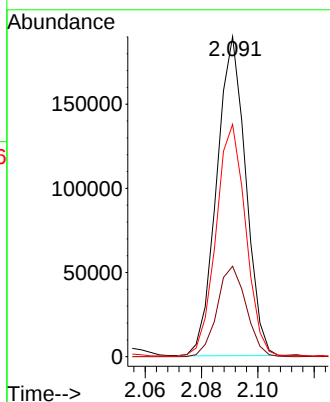
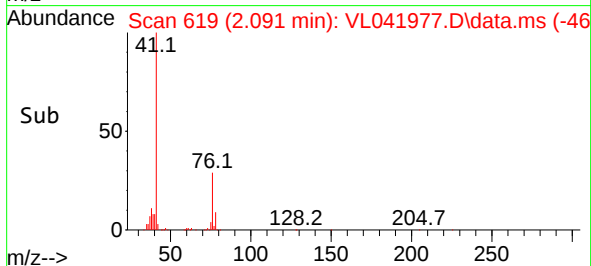
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 41 Resp: 135890
 Ion Ratio Lower Upper
 41 100
 76 28.4 24.2 36.4
 39 74.0 60.6 91.0

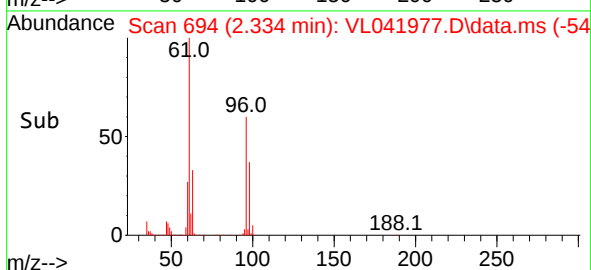
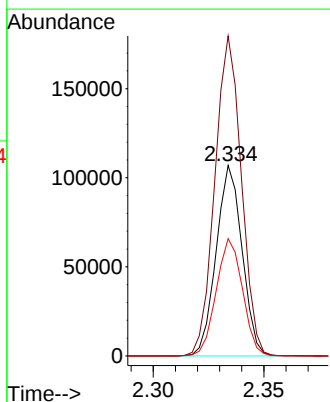
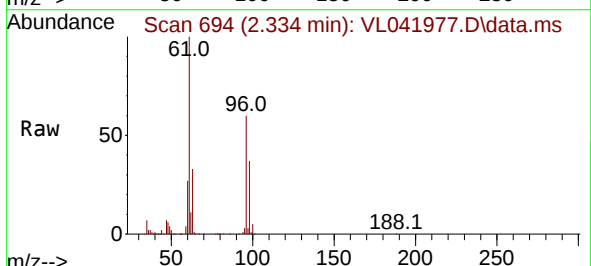
Manual Integrations
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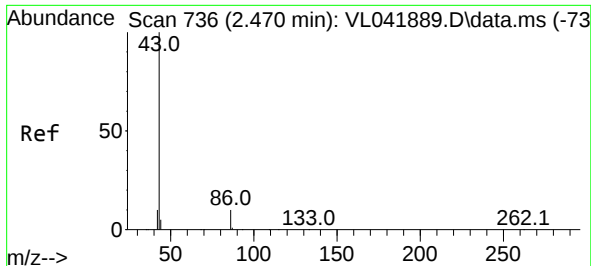
Reviewed By :Semsettin Yesilyurt 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025



#22
 trans-1,2-Dichloroethene
 Concen: 10.000 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. -0.013 min
 Lab File: VL041977.D
 Acq: 10 Feb 2025 08:32

Tgt Ion: 96 Resp: 87114
 Ion Ratio Lower Upper
 96 100
 61 167.9 134.5 201.7
 98 61.6 48.9 73.3





#23
 Vinyl Acetate
 Concen: 10.649 ppbv
 RT: 2.457 min Scan# 715
 Delta R.T. -0.013 min
 Lab File: VL041977.D
 Acq: 10 Feb 2025 08:32

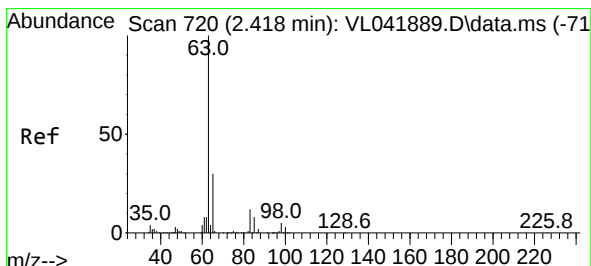
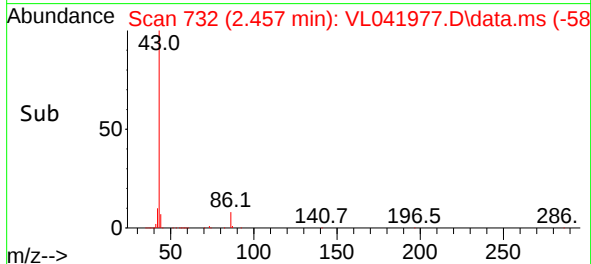
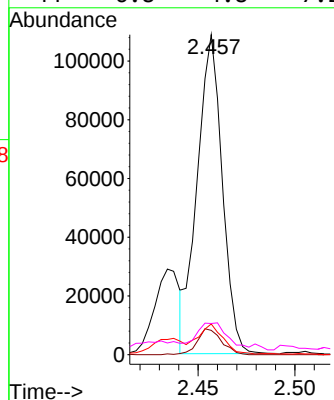
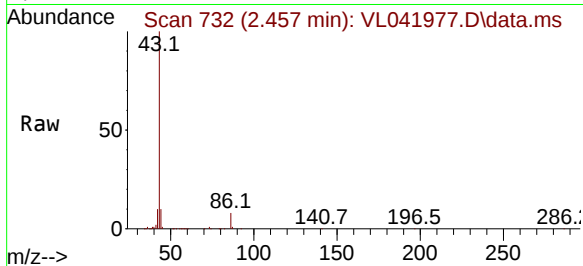
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 97772

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.2	9.4
42	9.4	8.5	12.7
44	6.8	4.8	7.2

Manual Integrations
 APPROVED

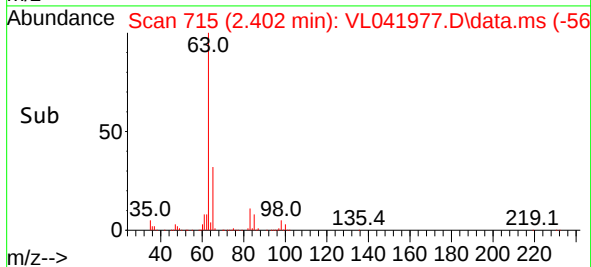
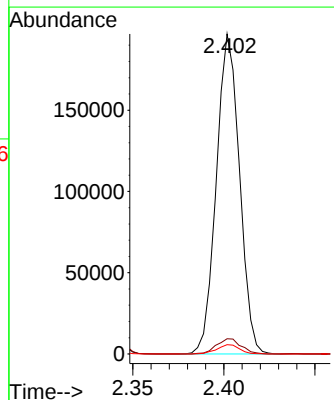
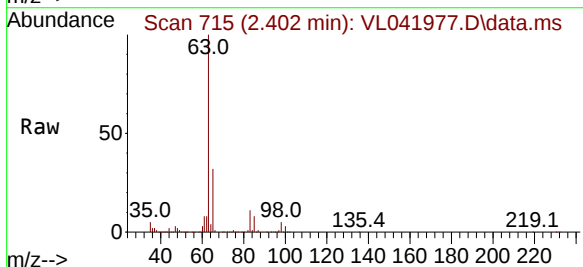
Reviewed By :Semsettin Yesilyurt 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

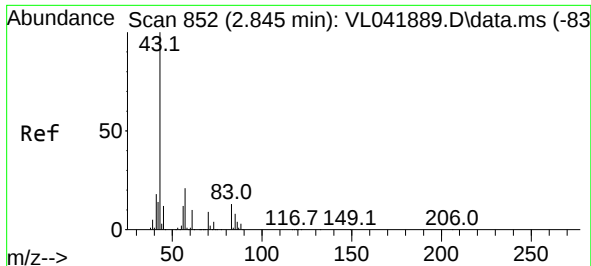


#24
 1,1-Dichloroethane
 Concen: 10.326 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. -0.016 min
 Lab File: VL041977.D
 Acq: 10 Feb 2025 08:32

Tgt Ion: 63 Resp: 173995

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.6	7.8
100	2.9	1.4	4.2





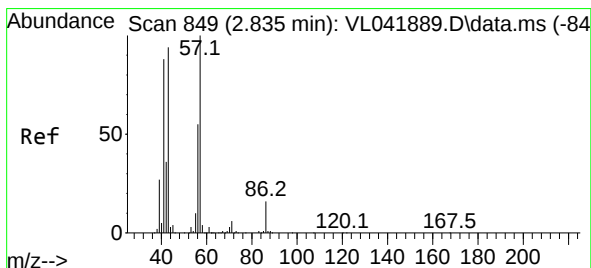
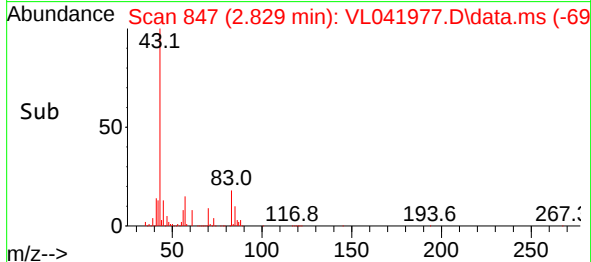
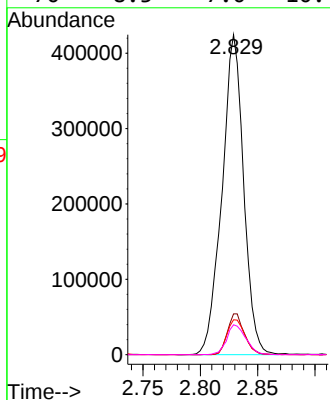
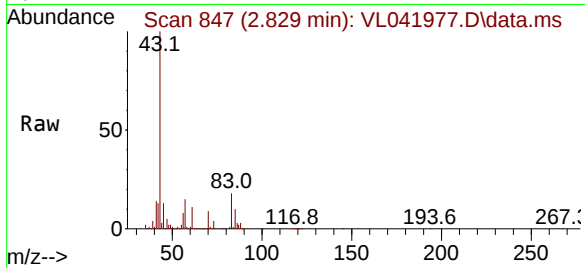
#25
Ethyl Acetate
Concen: 11.152 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.016 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 55702
Ion Ratio Lower Upper
43 100
45 10.1 8.2 12.2
61 9.3 7.4 11.0
70 8.3 7.0 10.4

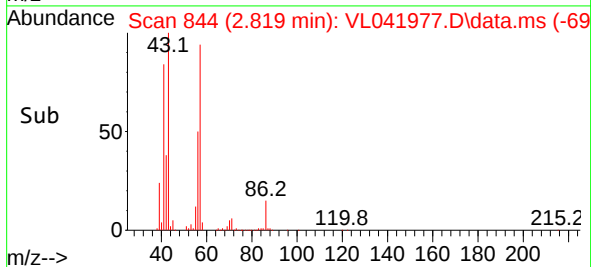
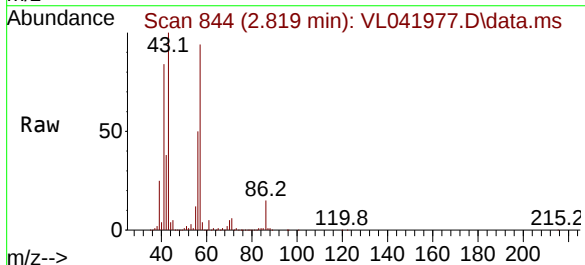
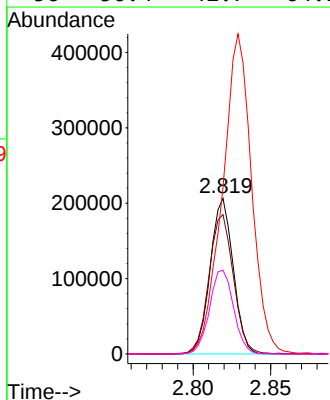
Manual Integrations
APPROVED

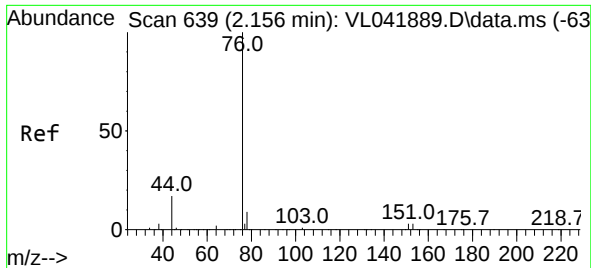
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#26
Hexane
Concen: 10.788 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.016 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

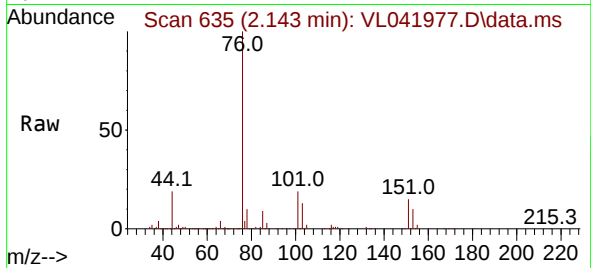
Tgt Ion: 57 Resp: 213109
Ion Ratio Lower Upper
57 100
41 95.8 73.8 110.8
43 262.2 197.3 295.9
56 56.4 42.7 64.1





#27
Carbon Disulfide
Concen: 10.873 ppbv
RT: 2.143 min Scan# 611
Delta R.T. -0.013 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

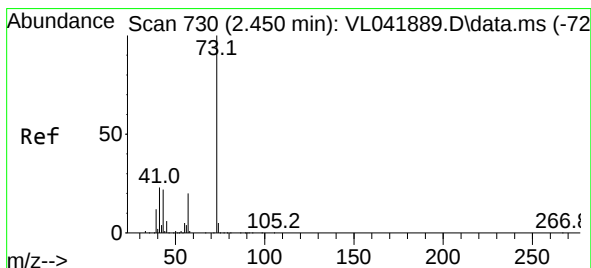
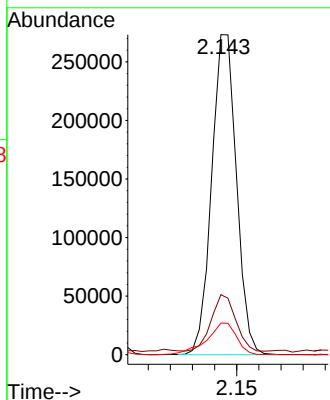
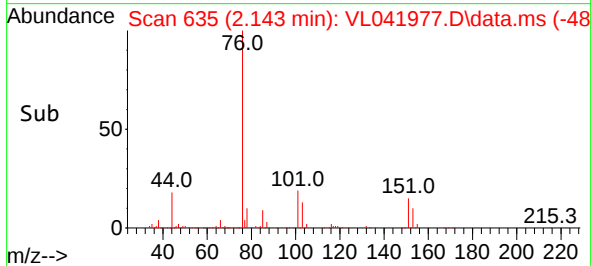
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



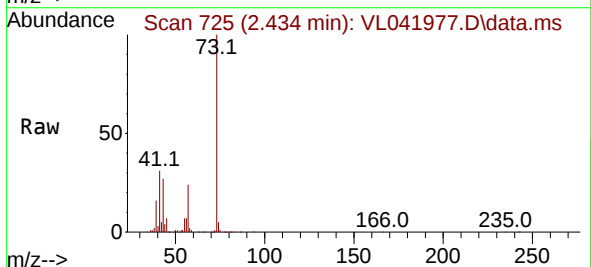
Tgt Ion: 76 Resp: 212559
Ion Ratio Lower Upper
76 100
44 20.0 15.4 23.0
78 12.0 9.3 13.9

Manual Integrations
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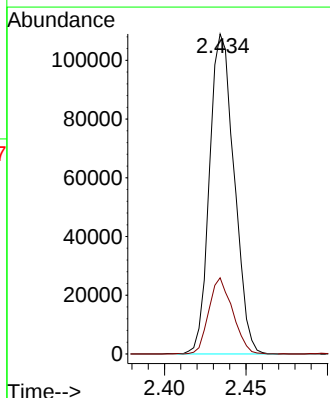
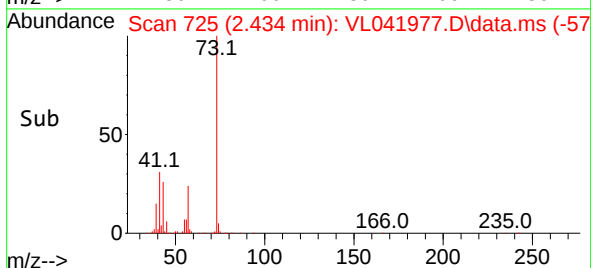
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

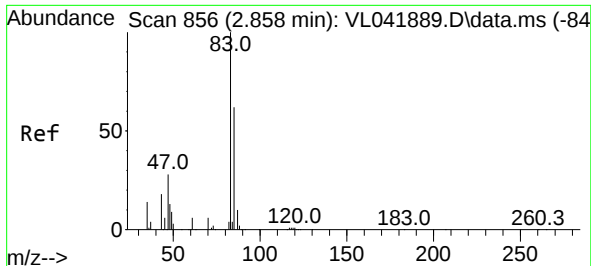


#28
Methyl tert-Butyl Ether
Concen: 7.595 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.016 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32



Tgt Ion: 73 Resp: 114672
Ion Ratio Lower Upper
73 100
57 23.0 18.1 27.1





#29

Chloroform

Concen: 10.702 ppbv

RT: 2.842 min Scan# 851

Delta R.T. -0.016 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 334190

Ion Ratio Lower Upper

83 100

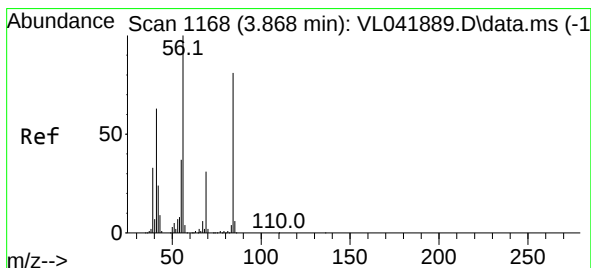
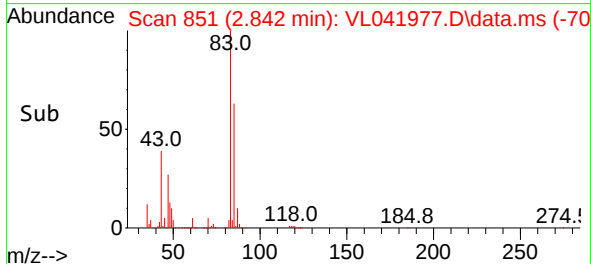
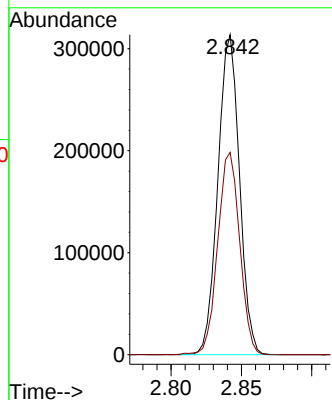
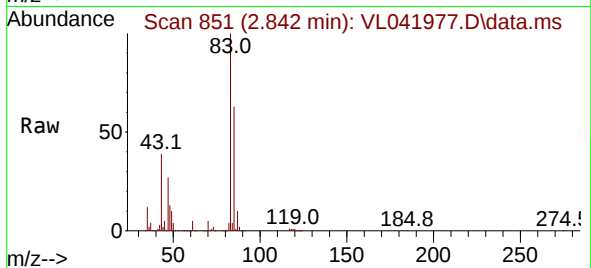
85 63.2 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Cyclohexane

Concen: 10.338 ppbv

RT: 3.845 min Scan# 1161

Delta R.T. -0.023 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

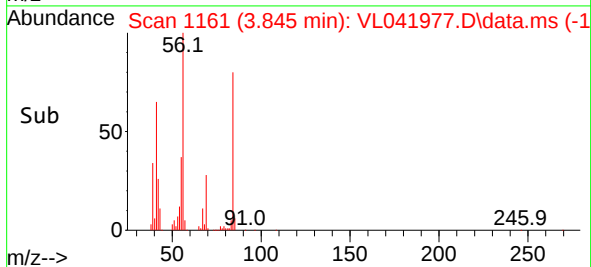
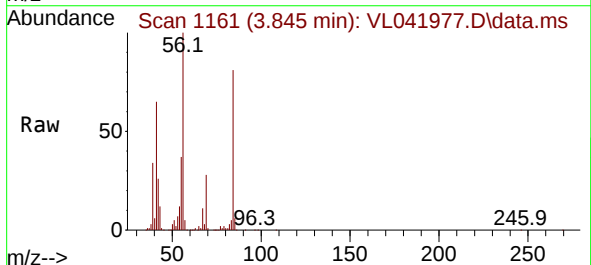
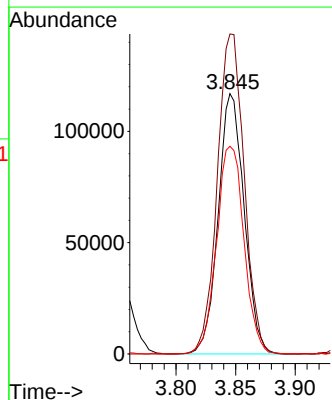
Tgt Ion: 84 Resp: 177133

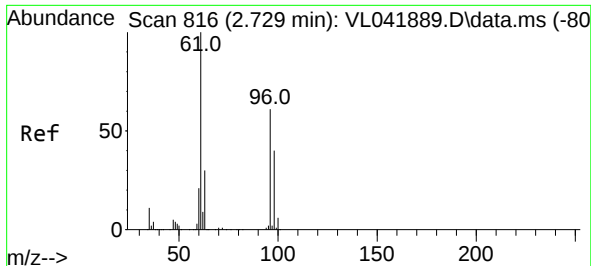
Ion Ratio Lower Upper

84 100

56 127.1 99.3 148.9

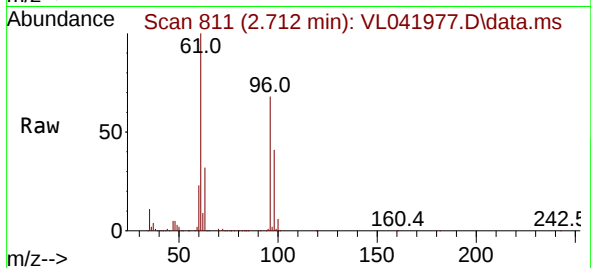
41 84.2 64.3 96.5





#31
 cis-1,2-Dichloroethene
 Concen: 9.857 ppbv
 RT: 2.712 min Scan# 816
 Delta R.T. -0.016 min
 Lab File: VL041977.D
 Acq: 10 Feb 2025 08:32

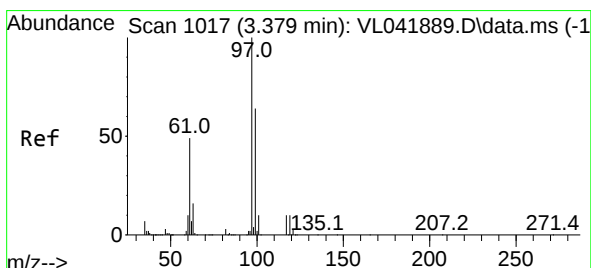
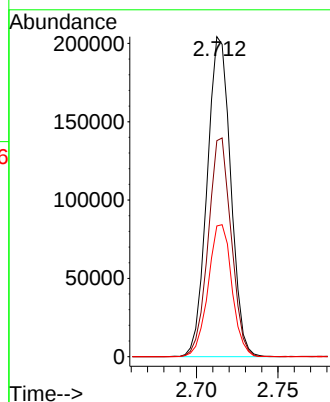
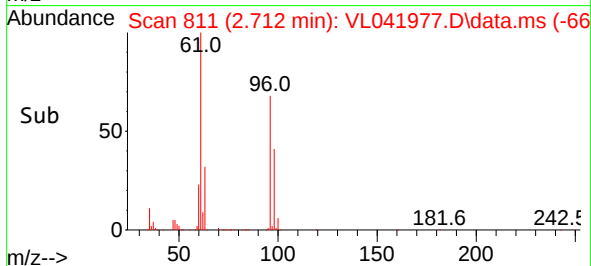
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



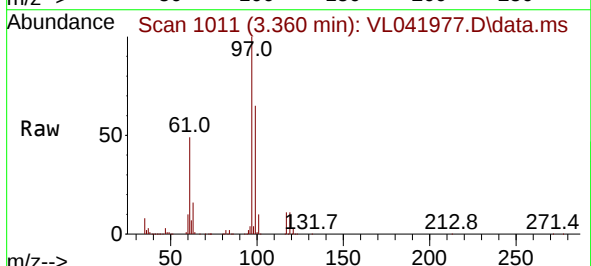
Tgt Ion: 61 Resp: 20504
 Ion Ratio Lower Upper
 61 100
 96 67.5 48.7 73.1
 98 40.9 31.6 47.4

Manual Integrations
 APPROVED

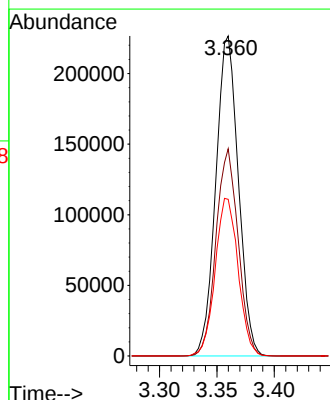
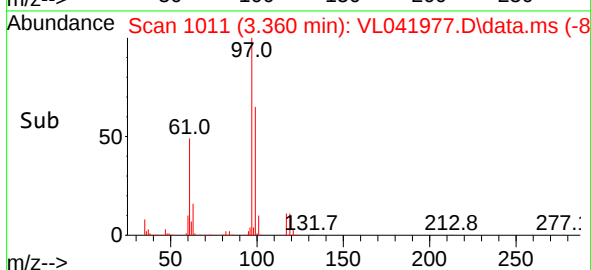
Reviewed By :Semsettin Yesilyurt 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

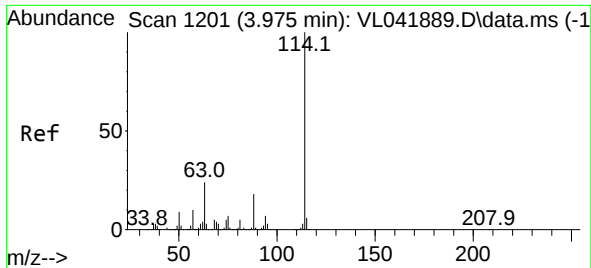


#32
 1,1,1-Trichloroethane
 Concen: 10.374 ppbv
 RT: 3.360 min Scan# 1011
 Delta R.T. -0.019 min
 Lab File: VL041977.D
 Acq: 10 Feb 2025 08:32



Tgt Ion: 97 Resp: 309991
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.1 76.7
 61 50.1 39.0 58.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.026 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

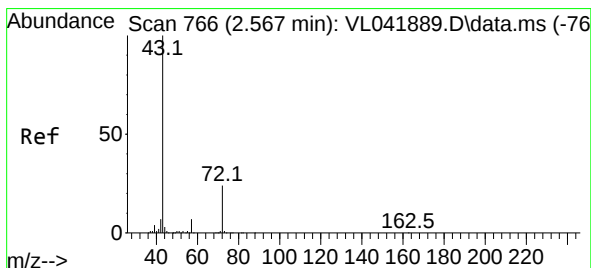
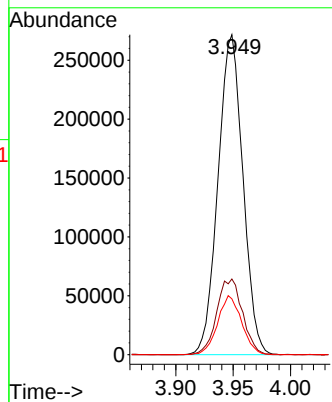
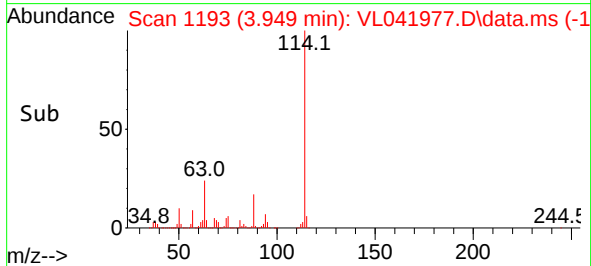
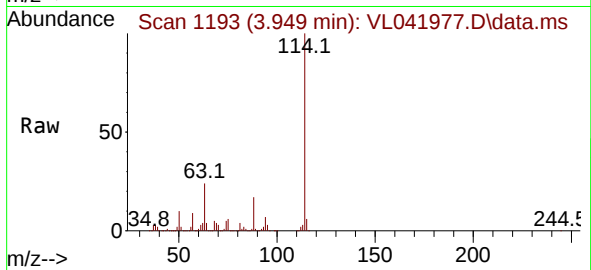
Tgt Ion:114 Resp: 41013

Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.8	29.6
88	17.8	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#34

2-Butanone

Concen: 12.235 ppbv

RT: 2.551 min Scan# 761

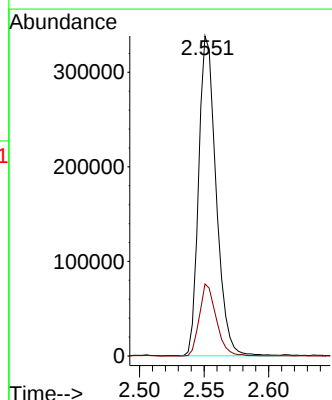
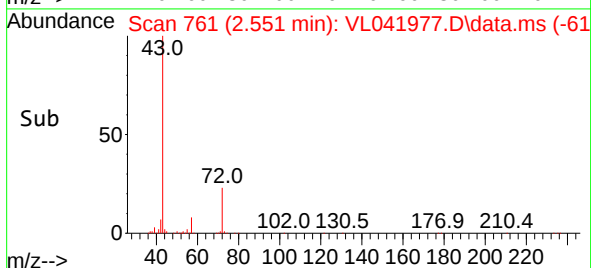
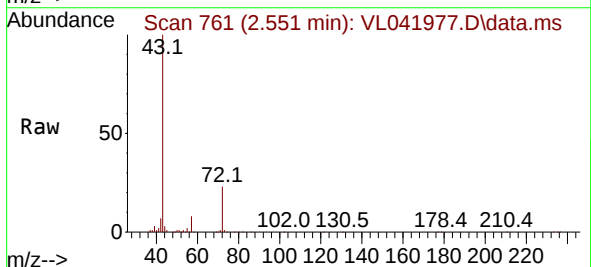
Delta R.T. -0.016 min

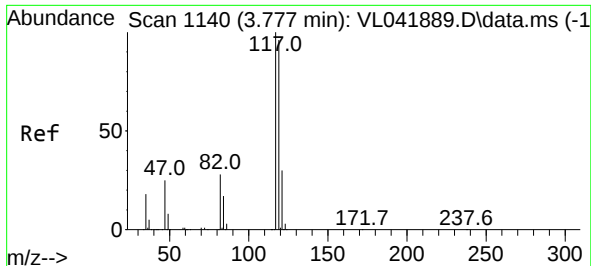
Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Tgt Ion: 43 Resp: 319120

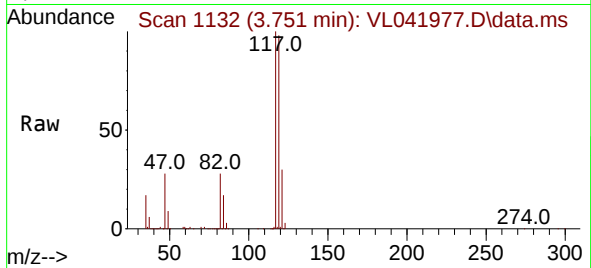
Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.6	28.0





#35
Carbon Tetrachloride
Concen: 12.224 ppbv
RT: 3.751 min Scan# 1140
Delta R.T. -0.026 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

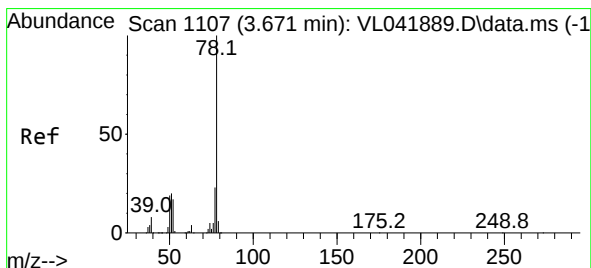
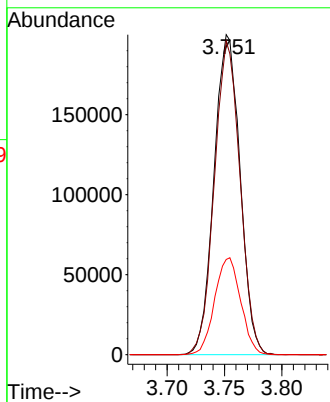
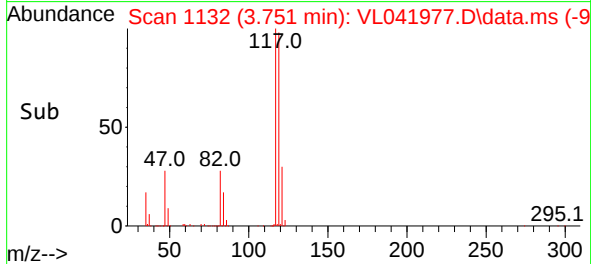
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:117 Resp: 31490
Ion Ratio Lower Upper
117 100
119 98.0 76.9 115.3
121 29.8 23.8 35.6

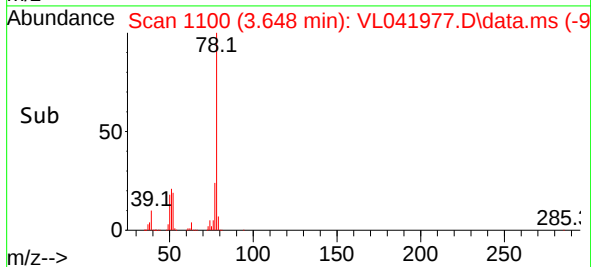
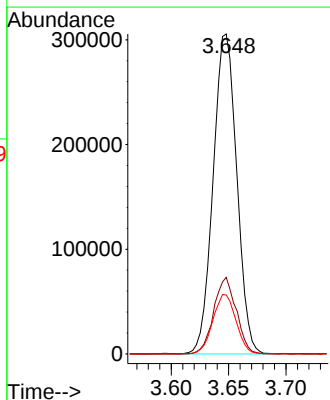
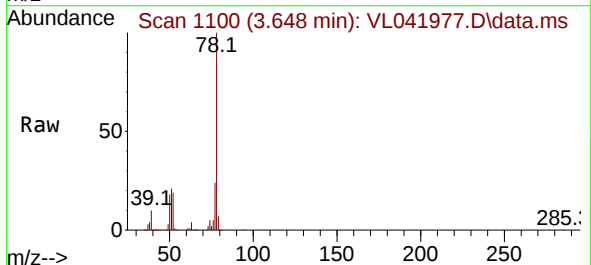
Manual Integrations
APPROVED

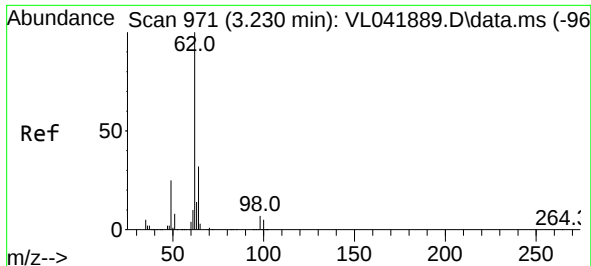
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#36
Benzene
Concen: 11.639 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.023 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Tgt Ion: 78 Resp: 437818
Ion Ratio Lower Upper
78 100
77 23.9 18.1 27.1
50 18.5 15.2 22.8





#37

1,2-Dichloroethane

Concen: 11.375 ppbv

RT: 3.211 min Scan# 9

Delta R.T. -0.019 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 24031

Ion Ratio Lower Upper

62 100

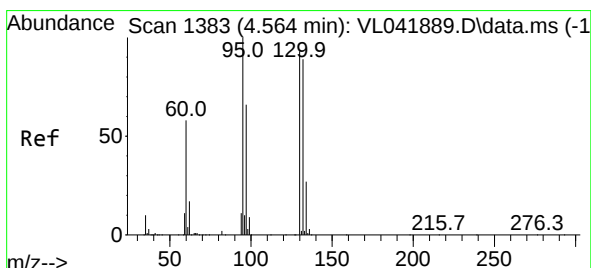
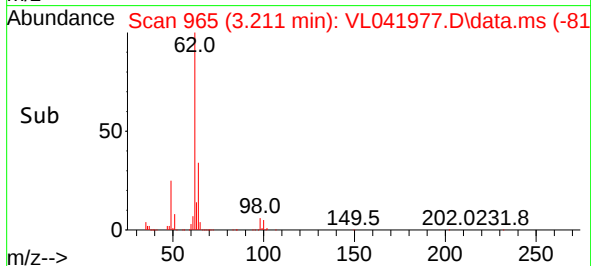
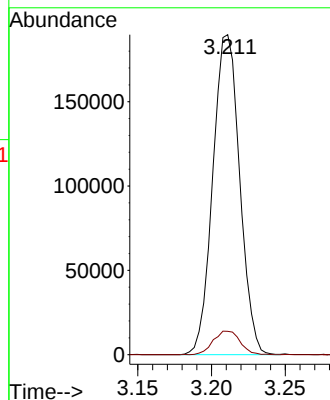
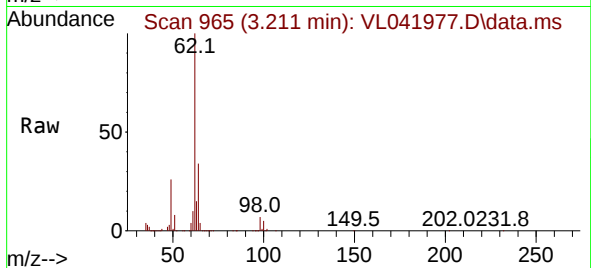
98 7.4 5.4 8.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Trichloroethene

Concen: 11.295 ppbv

RT: 4.538 min Scan# 1375

Delta R.T. -0.026 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Tgt Ion:130 Resp: 168613

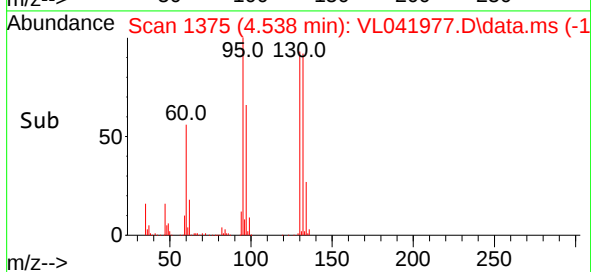
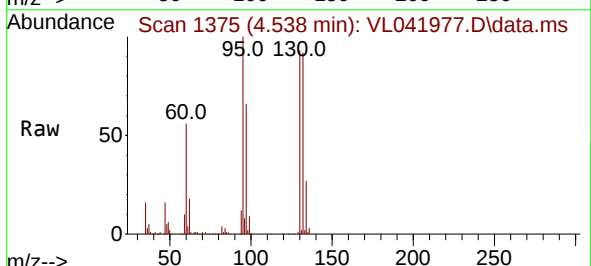
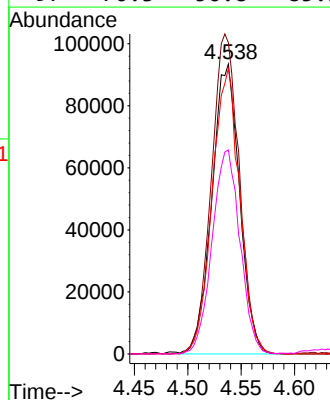
Ion Ratio Lower Upper

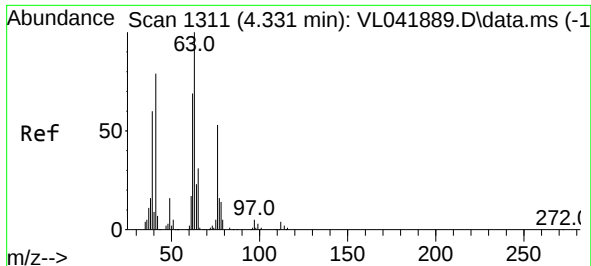
130 100

95 107.4 85.8 128.8

132 98.4 76.5 114.7

97 70.3 56.8 85.2





#39

1,2-Dichloropropane

Concen: 11.659 ppbv

RT: 4.302 min Scan# 1302

Delta R.T. -0.029 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

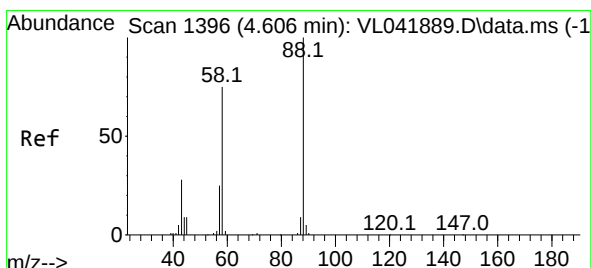
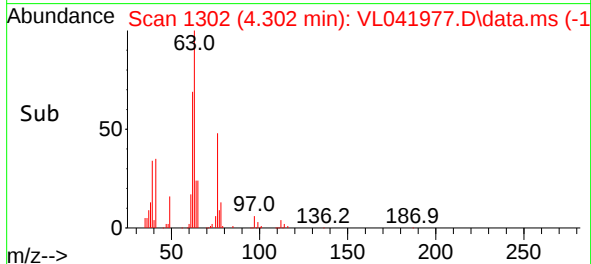
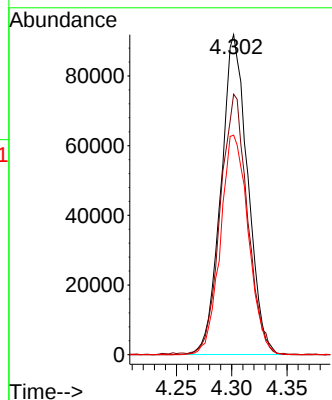
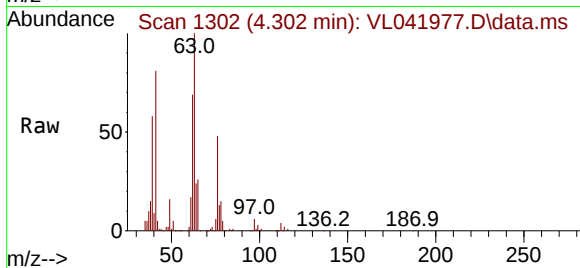
Tgt Ion: 63 Resp: 15384

Ion	Ratio	Lower	Upper
63	100		
41	81.2	63.7	95.5
62	68.6	55.4	83.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#40

1,4-Dioxane

Concen: 10.838 ppbv

RT: 4.574 min Scan# 1386

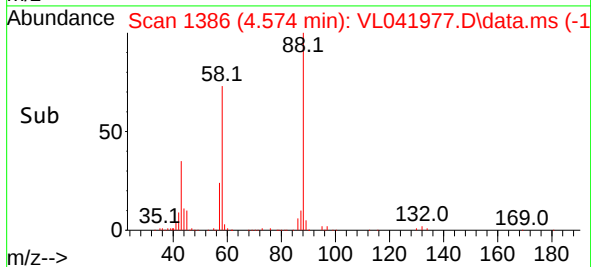
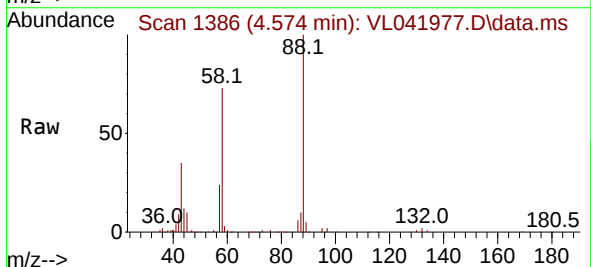
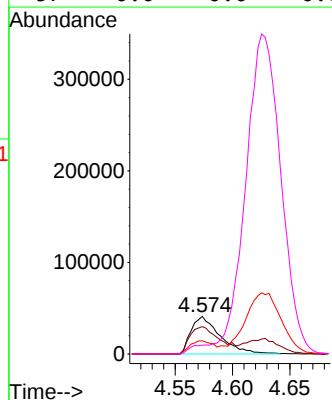
Delta R.T. -0.032 min

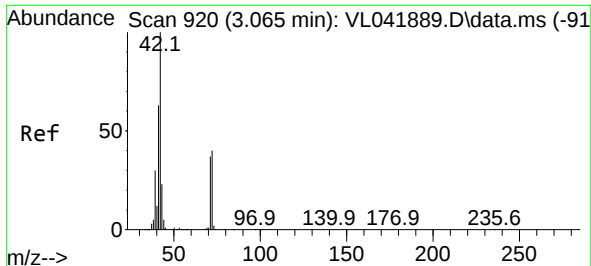
Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Tgt Ion: 88 Resp: 72221

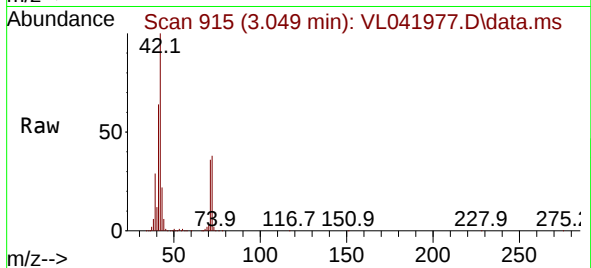
Ion	Ratio	Lower	Upper
88	100		
58	74.5	62.1	93.1
43	33.0	0.0	0.0#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 12.222 ppbv
RT: 3.049 min Scan# 91
Delta R.T. -0.016 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

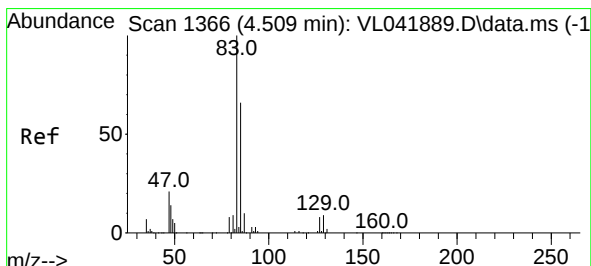
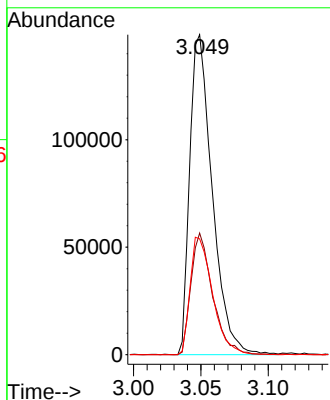
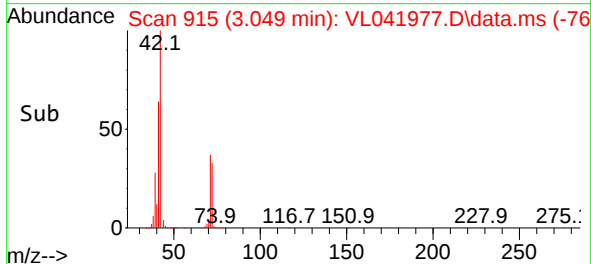
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 42 Resp: 173249
Ion Ratio Lower Upper
42 100
72 36.7 32.3 48.5
71 36.6 29.9 44.9

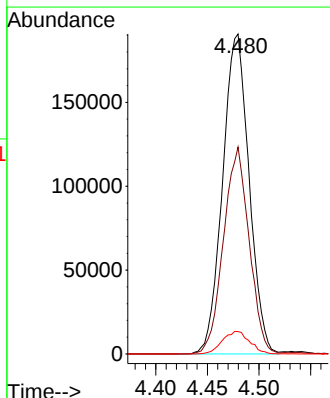
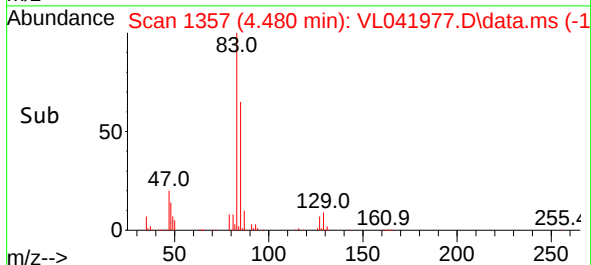
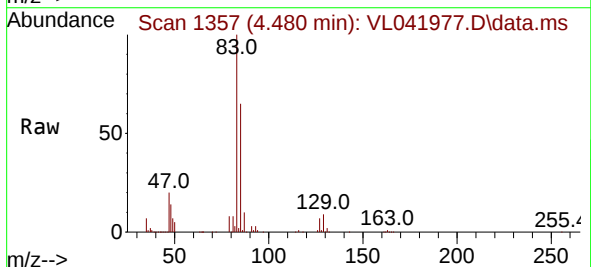
Manual Integrations
APPROVED

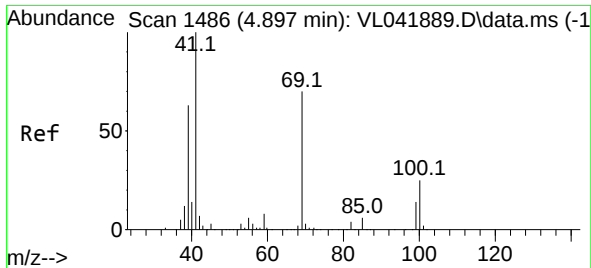
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#42
Bromodichloromethane
Concen: 12.008 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.029 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Tgt Ion: 83 Resp: 340153
Ion Ratio Lower Upper
83 100
85 64.6 52.6 78.8
127 7.0 6.4 9.6





#43
Methyl Methacrylate
Concen: 11.021 ppbv
RT: 4.868 min Scan# 1400
Delta R.T. -0.029 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Instrument :

MSVOA_L

ClientSampleId :

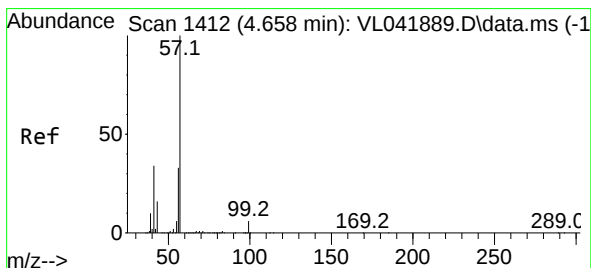
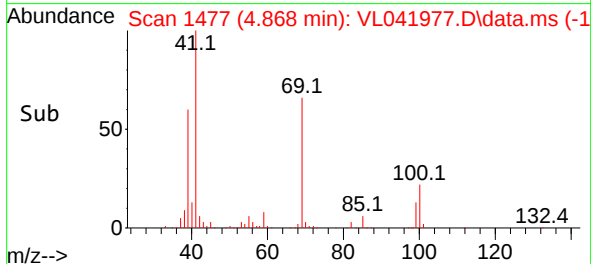
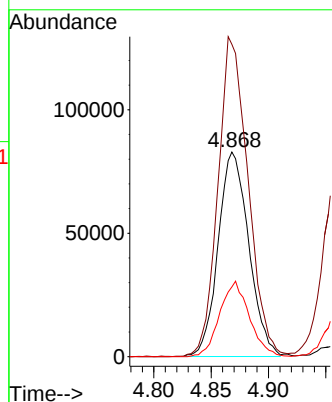
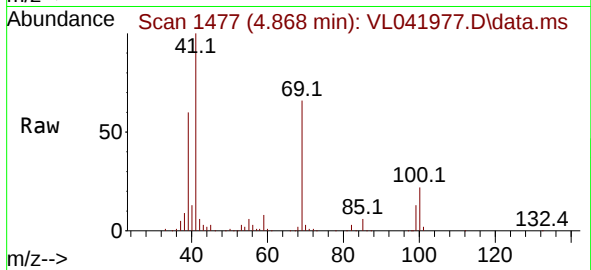
VSTDCCC010

Tgt Ion: 69 Resp: 15400
Ion Ratio Lower Upper
69 100
41 153.0 118.6 177.8
100 35.7 29.3 43.9

Manual Integrations

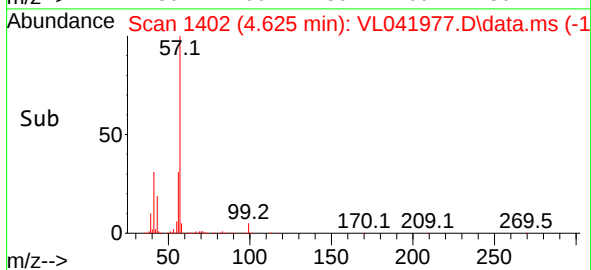
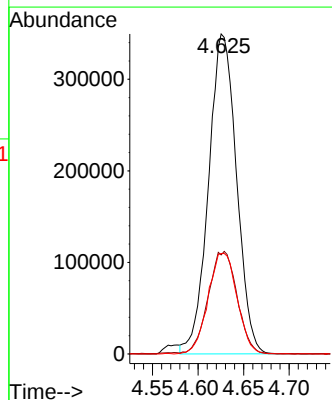
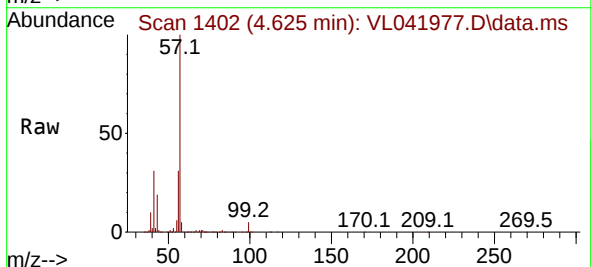
APPROVED

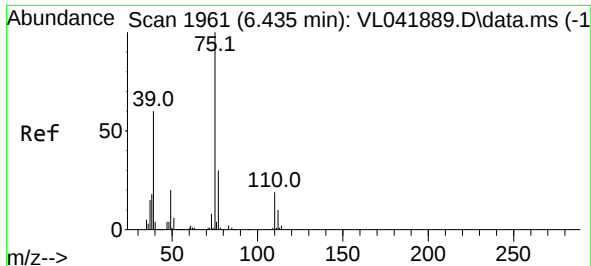
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#44
2,2,4-Trimethylpentane
Concen: 12.276 ppbv
RT: 4.625 min Scan# 1402
Delta R.T. -0.032 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Tgt Ion: 57 Resp: 746941
Ion Ratio Lower Upper
57 100
41 33.6 26.6 40.0
56 32.6 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 10.685 ppbv

RT: 6.402 min Scan# 1951

Delta R.T. -0.032 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 139758

Ion Ratio Lower Upper

75 100

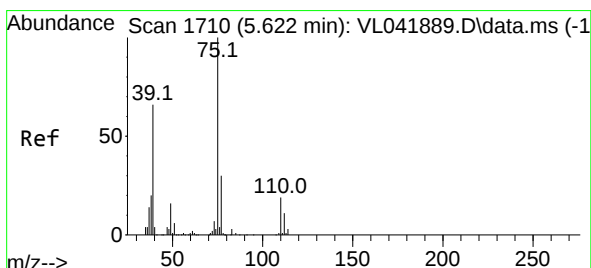
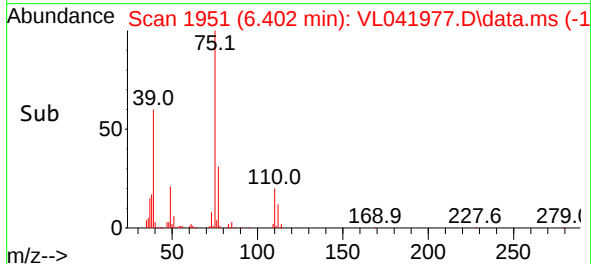
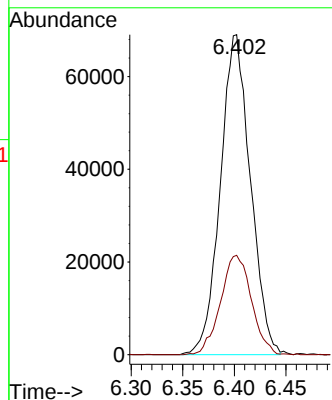
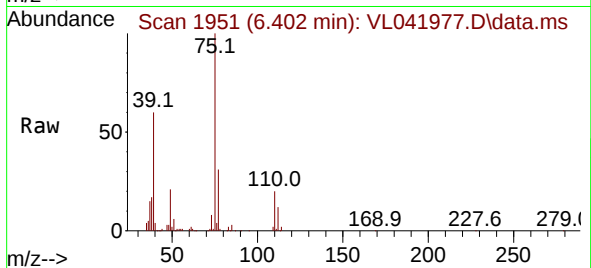
77 31.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

cis-1,3-Dichloropropene

Concen: 11.184 ppbv

RT: 5.587 min Scan# 1699

Delta R.T. -0.036 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

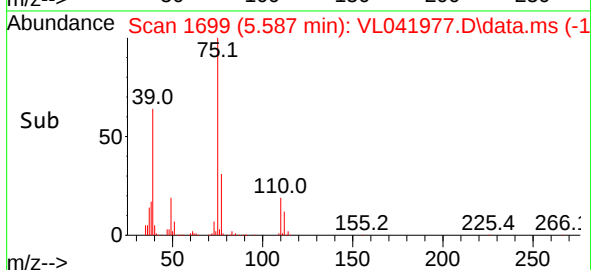
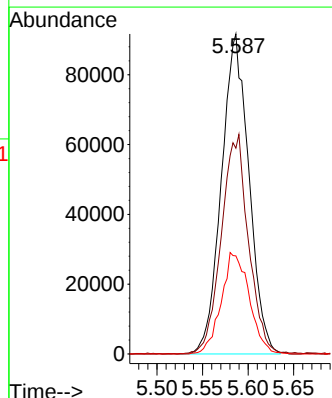
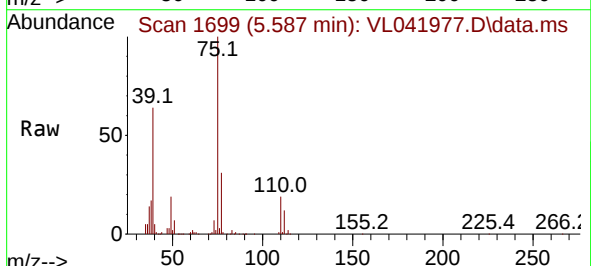
Tgt Ion: 75 Resp: 192080

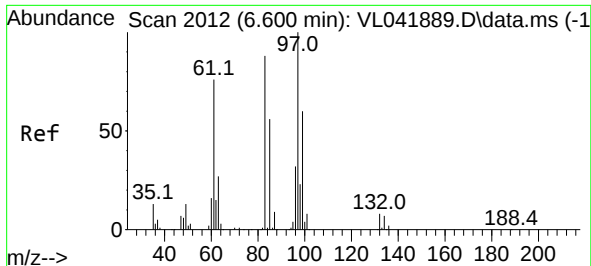
Ion Ratio Lower Upper

75 100

39 64.2 53.1 79.7

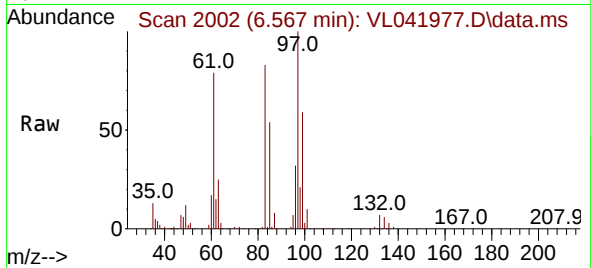
77 30.7 23.8 35.8





#47
1,1,2-Trichloroethane
Concen: 12.122 ppbv
RT: 6.567 min Scan# 2012
Delta R.T. -0.032 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

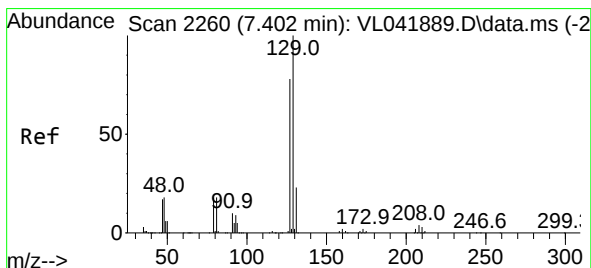
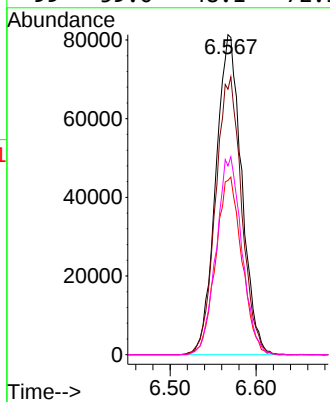
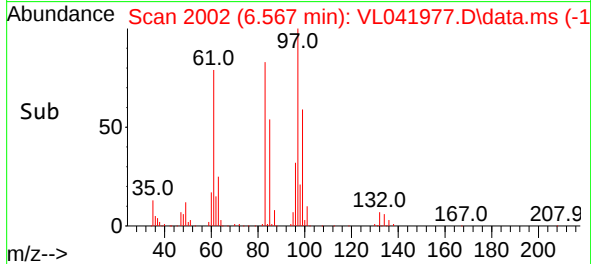
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



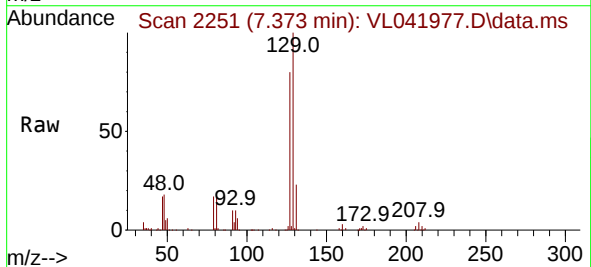
Tgt Ion: 97 Resp: 169529
Ion Ratio Lower Upper
97 100
83 82.9 70.4 105.6
85 54.5 45.0 67.4
99 59.0 48.1 72.1

Manual Integrations
APPROVED

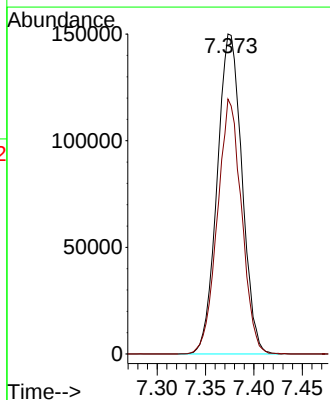
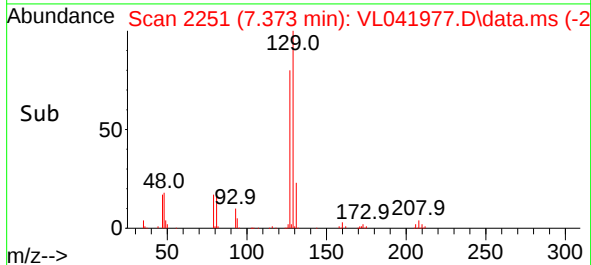
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

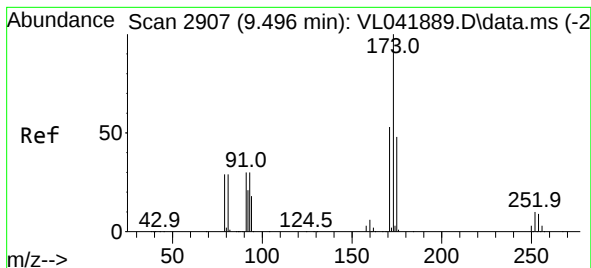


#48
Dibromochloromethane
Concen: 12.400 ppbv
RT: 7.373 min Scan# 2251
Delta R.T. -0.029 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32



Tgt Ion:129 Resp: 267572
Ion Ratio Lower Upper
129 100
127 77.6 39.3 117.8





#49

Bromoform

Concen: 12.611 ppbv

RT: 9.474 min Scan# 2907

Delta R.T. -0.023 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Instrument :

MSVOA_L

ClientSampleId :

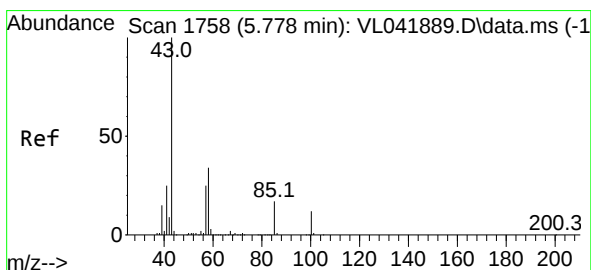
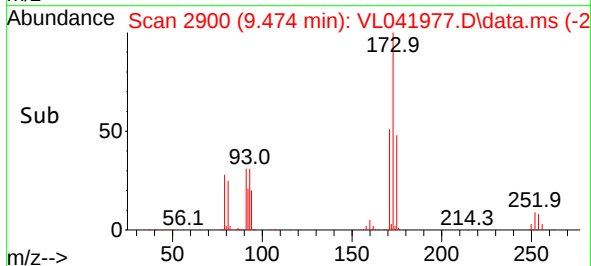
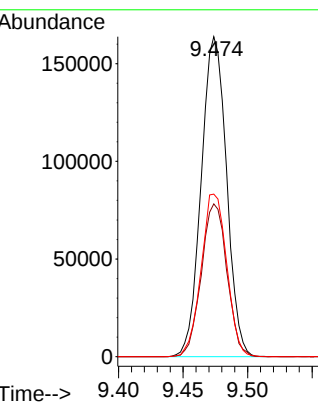
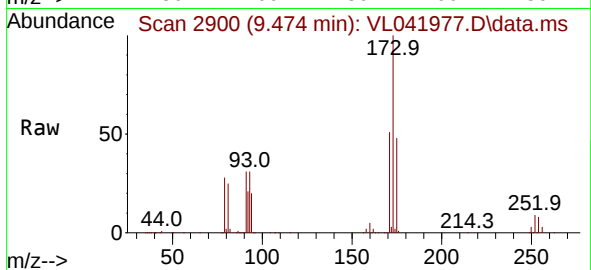
VSTDCCC010

Tgt Ion:173 Resp: 223538
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.4 57.6
 171 51.4 41.4 62.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025



#50

4-Methyl-2-Pentanone

Concen: 12.149 ppbv

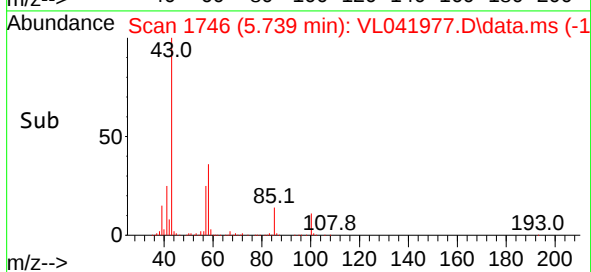
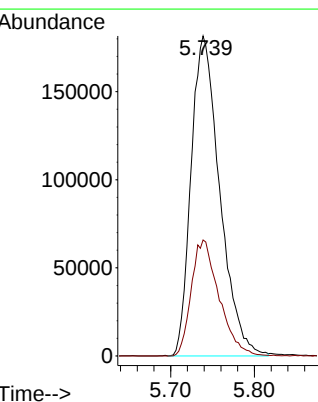
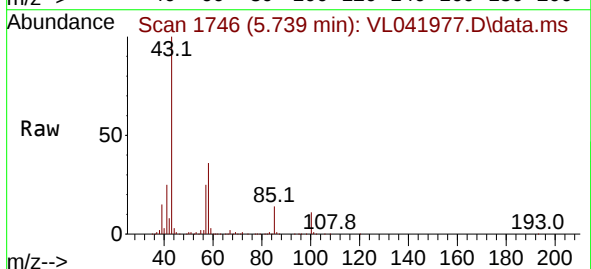
RT: 5.739 min Scan# 1746

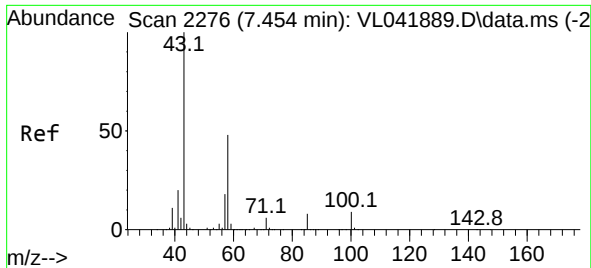
Delta R.T. -0.039 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

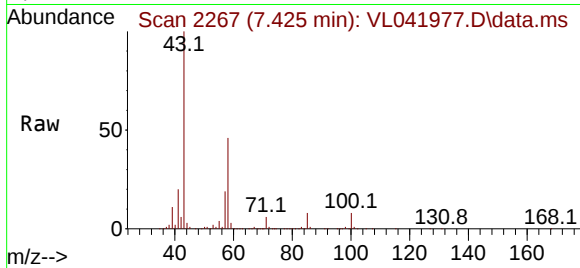
Tgt Ion: 43 Resp: 432571
 Ion Ratio Lower Upper
 43 100
 58 35.2 29.0 43.6





#51
2-Hexanone
Concen: 12.218 ppbv
RT: 7.425 min Scan# 2111
Delta R.T. -0.029 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

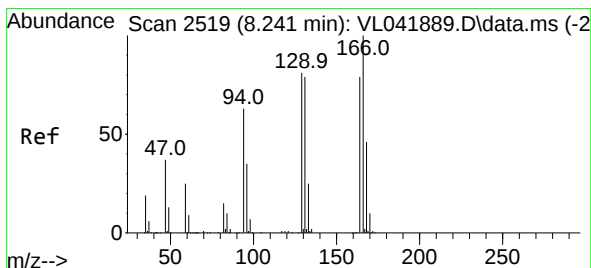
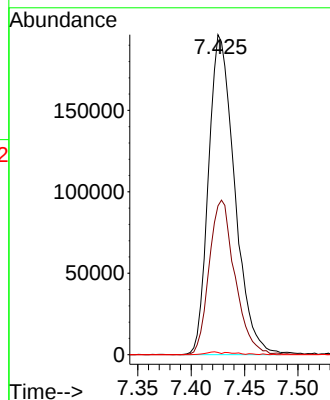
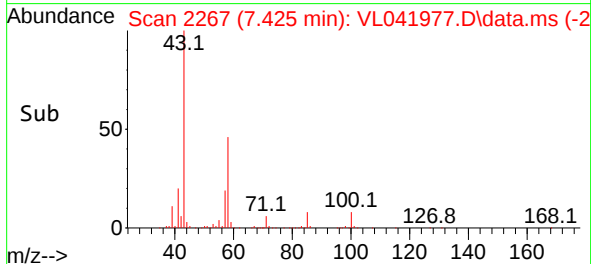
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 33429
Ion Ratio Lower Upper
43 100
58 47.8 40.4 60.6
98 1.0 0.2 0.2

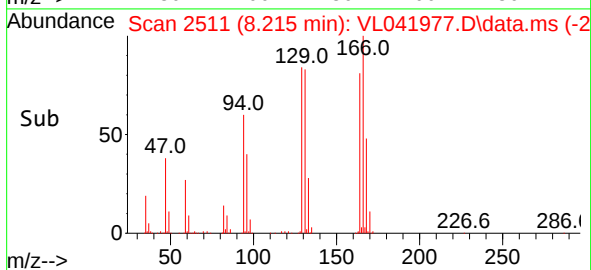
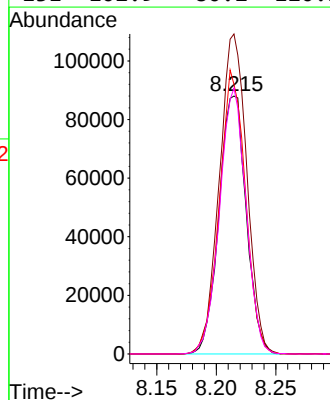
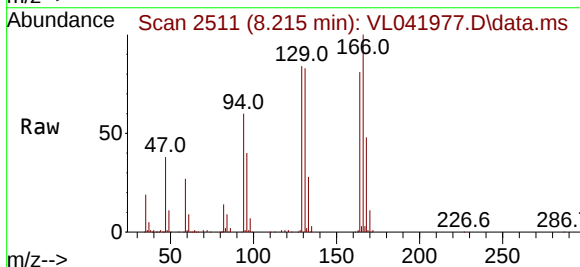
Manual Integrations
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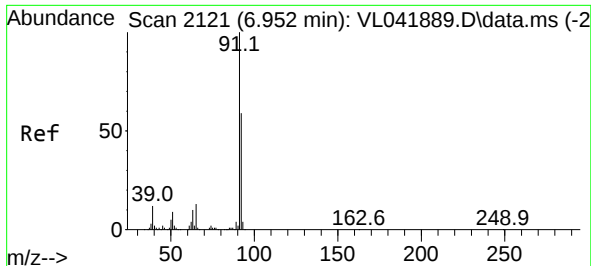
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#52
Tetrachloroethene
Concen: 10.738 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.026 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Tgt Ion:164 Resp: 140056
Ion Ratio Lower Upper
164 100
166 124.0 100.8 151.2
129 104.5 82.0 123.0
131 102.9 80.2 120.2





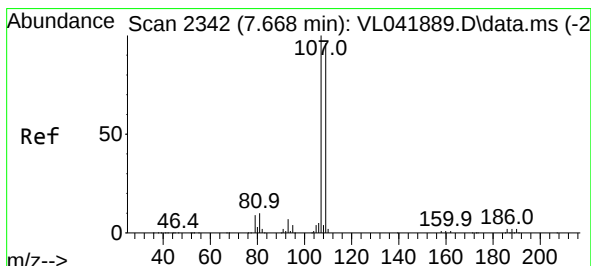
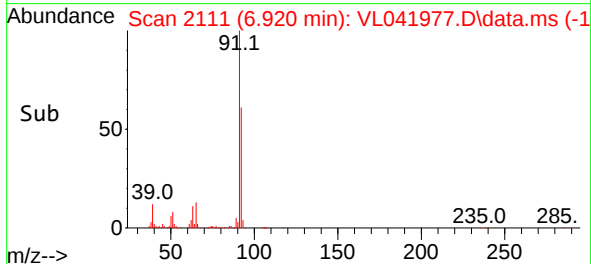
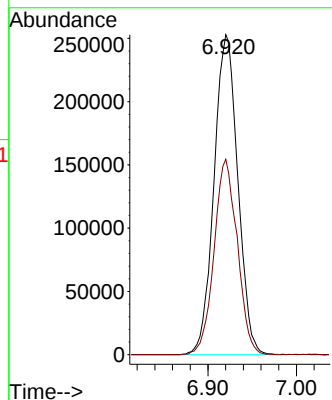
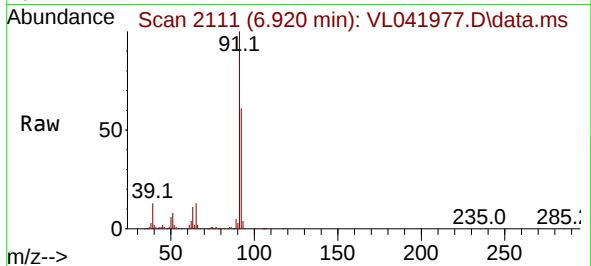
#53
Toluene
Concen: 11.526 ppbv
RT: 6.920 min Scan# 2111
Delta R.T. -0.032 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 472272
Ion Ratio Lower Upper
91 100
92 59.6 47.4 71.0

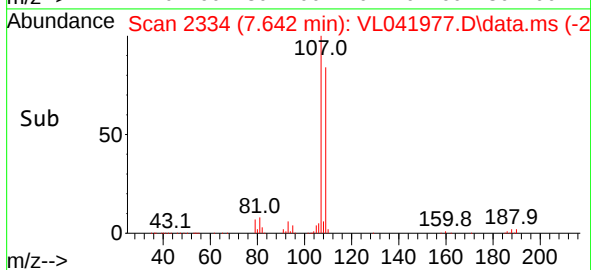
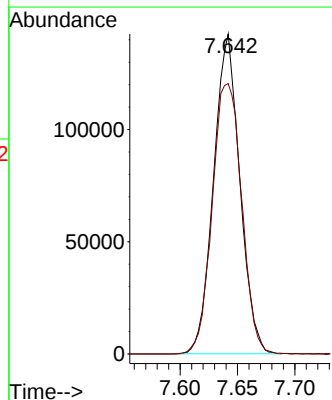
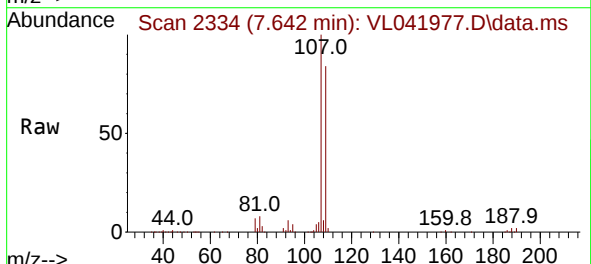
Manual Integrations
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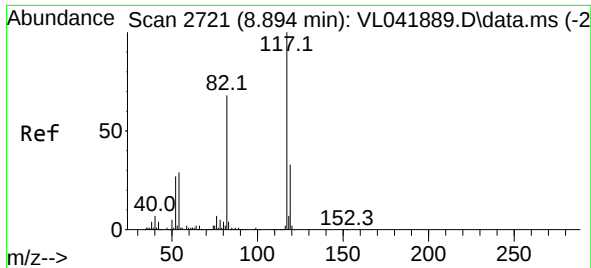
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#54
1,2-Dibromoethane
Concen: 11.785 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.026 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Tgt Ion:107 Resp: 226578
Ion Ratio Lower Upper
107 100
109 84.3 76.7 115.1





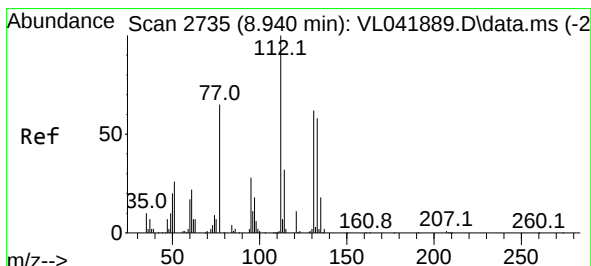
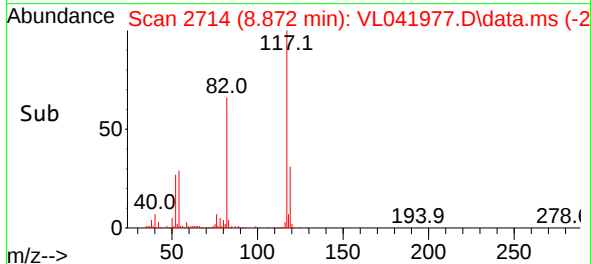
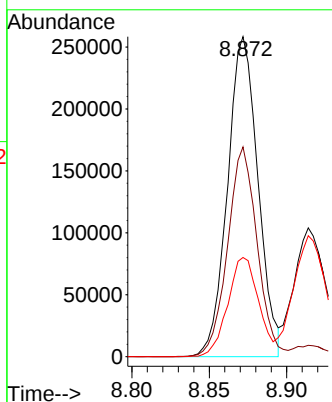
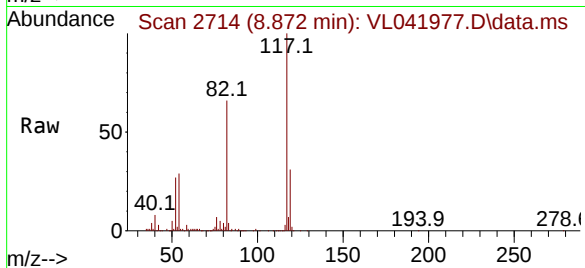
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21
Delta R.T. -0.023 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 354638
Ion Ratio Lower Upper
117 100
82 67.2 54.2 81.4
119 32.1 25.0 37.6

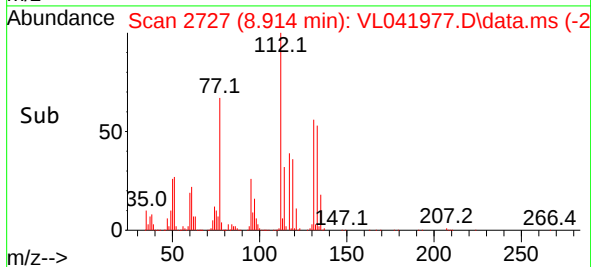
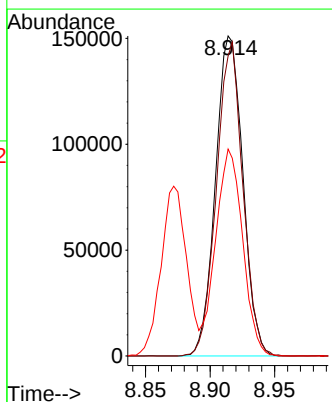
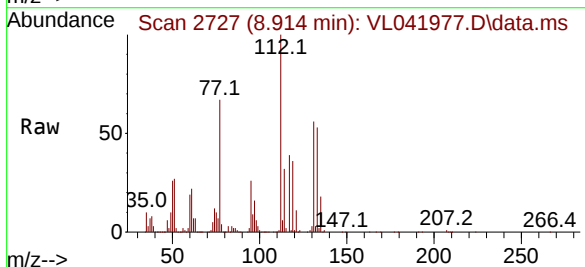
Manual Integrations
APPROVED

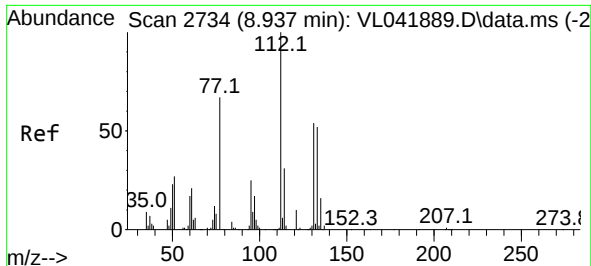
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 12.591 ppbv
RT: 8.914 min Scan# 2727
Delta R.T. -0.026 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

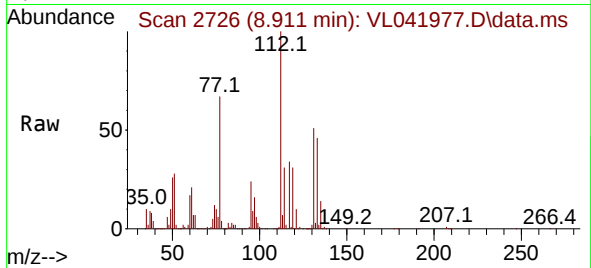
Tgt Ion:131 Resp: 222785
Ion Ratio Lower Upper
131 100
133 94.4 76.0 114.0
119 62.6 49.7 74.5





#57
Chlorobenzene
Concen: 12.099 ppbv
RT: 8.911 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

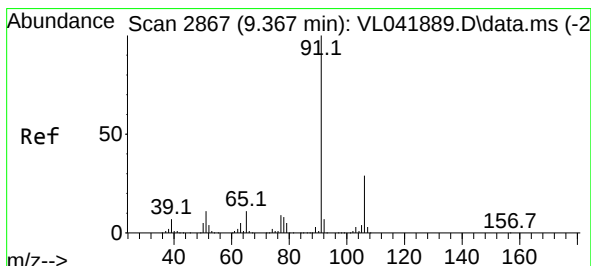
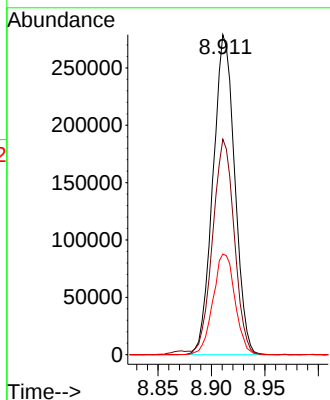
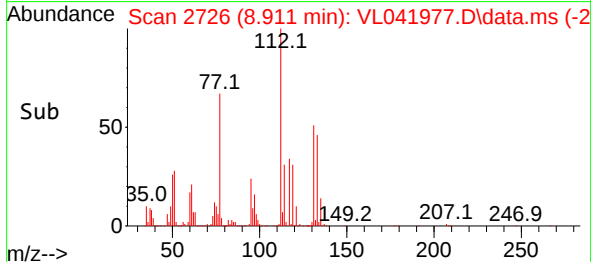
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:112 Resp: 395804
Ion Ratio Lower Upper
112 100
77 67.3 54.6 82.0
114 31.4 28.2 34.4

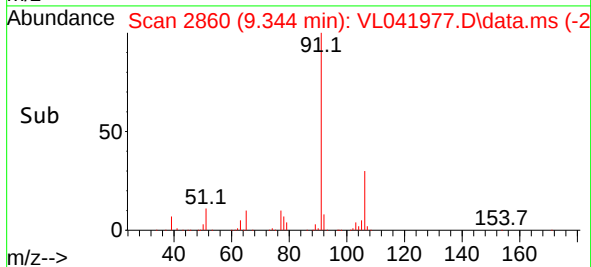
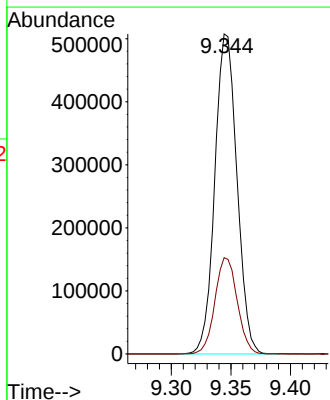
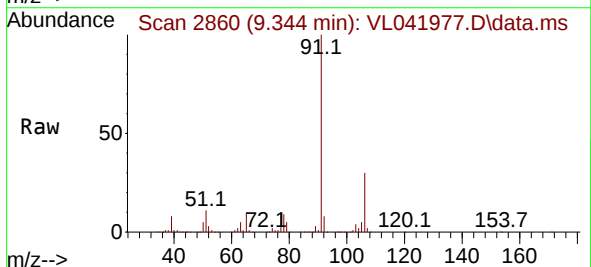
Manual Integrations
APPROVED

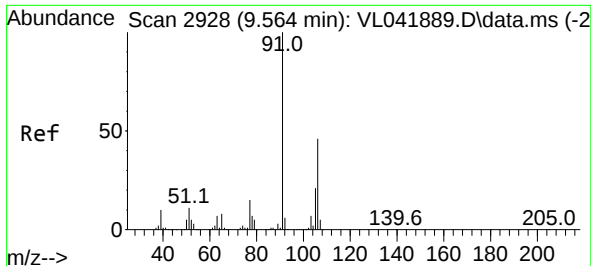
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#58
Ethyl Benzene
Concen: 11.805 ppbv
RT: 9.344 min Scan# 2860
Delta R.T. -0.023 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Tgt Ion: 91 Resp: 654282
Ion Ratio Lower Upper
91 100
106 30.1 23.1 34.7





#59

m/p-Xylene

Concen: 25.112 ppbv m

RT: 9.542 min Scan# 2928

Delta R.T. -0.023 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 111557

Ion Ratio Lower Upper

91 100

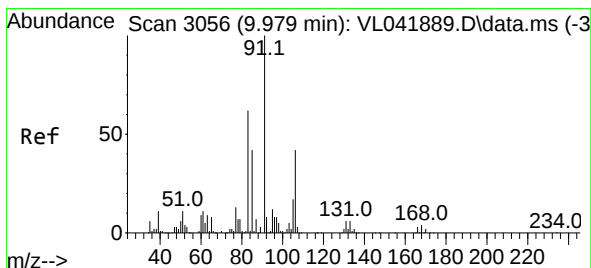
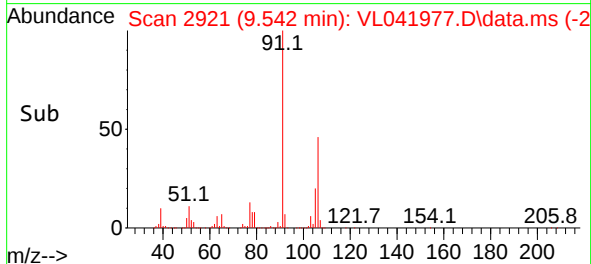
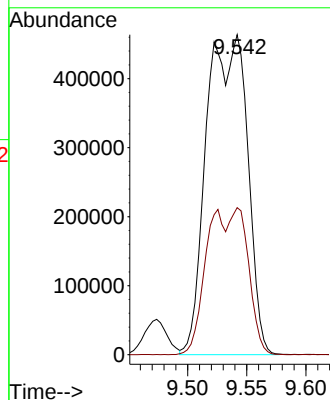
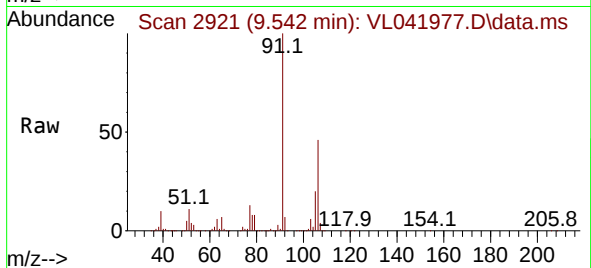
106 46.2 36.0 54.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#60

o-Xylene

Concen: 12.558 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.023 min

Lab File: VL041977.D

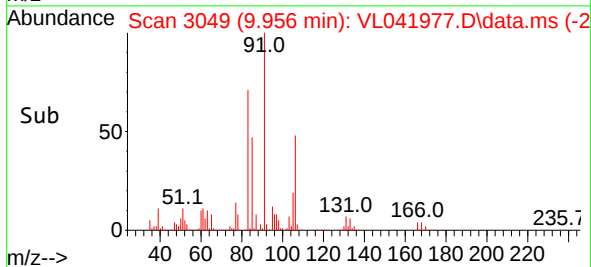
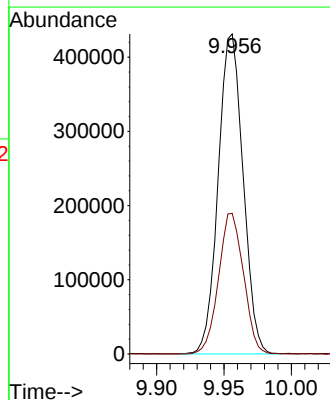
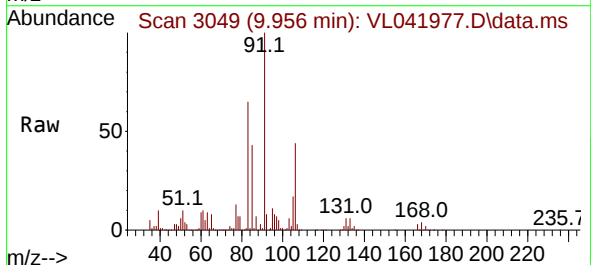
Acq: 10 Feb 2025 08:32

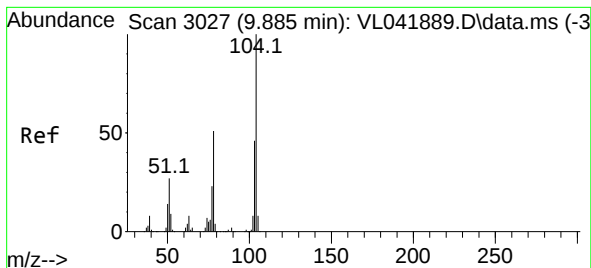
Tgt Ion: 91 Resp: 553733

Ion Ratio Lower Upper

91 100

106 44.2 21.3 63.9





#61

Styrene

Concen: 12.095 ppbv

RT: 9.862 min Scan# 3027

Delta R.T. -0.023 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Instrument :

MSVOA_L

ClientSampleId :

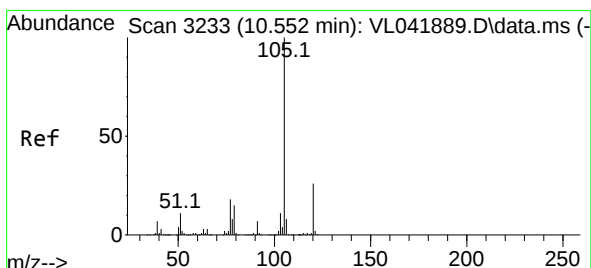
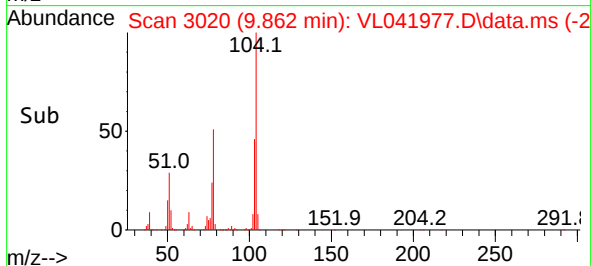
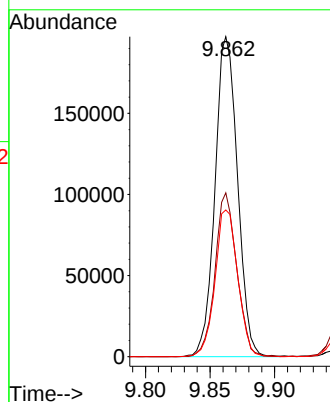
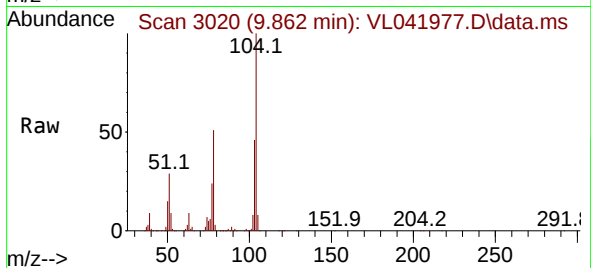
VSTDCCC010

Tgt Ion:104 Resp: 239238
 Ion Ratio Lower Upper
 104 100
 78 49.3 41.0 61.6
 103 46.2 37.2 55.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025



#62

Isopropylbenzene

Concen: 12.196 ppbv

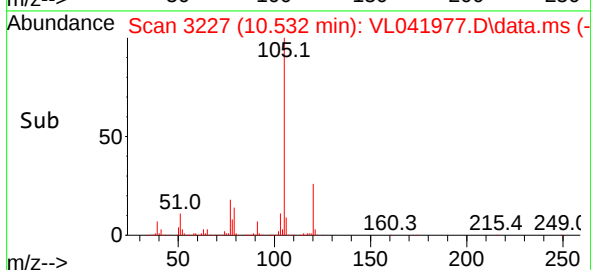
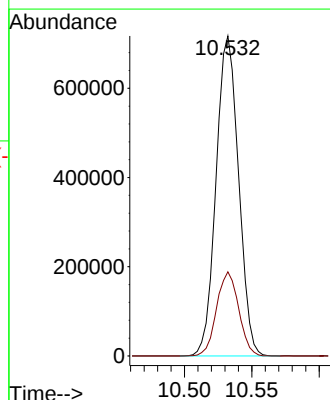
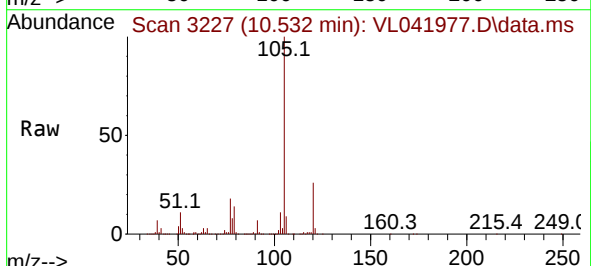
RT: 10.532 min Scan# 3227

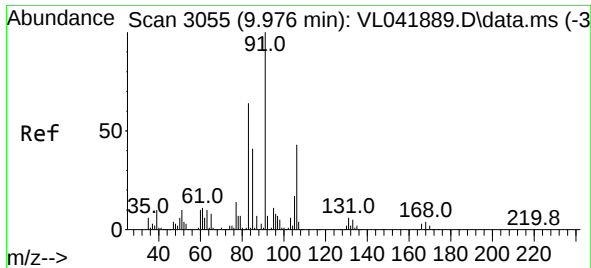
Delta R.T. -0.019 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

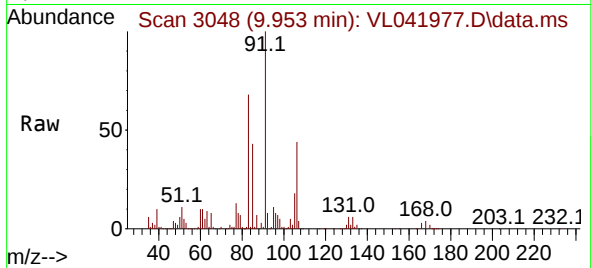
Tgt Ion:105 Resp: 832163
 Ion Ratio Lower Upper
 105 100
 120 25.9 20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 13.154 ppbv
RT: 9.953 min Scan# 3055
Delta R.T. -0.023 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

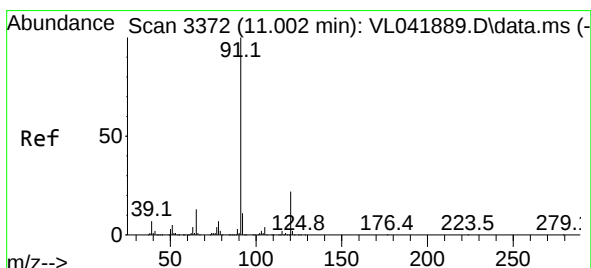
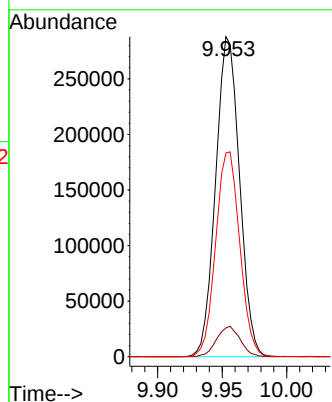
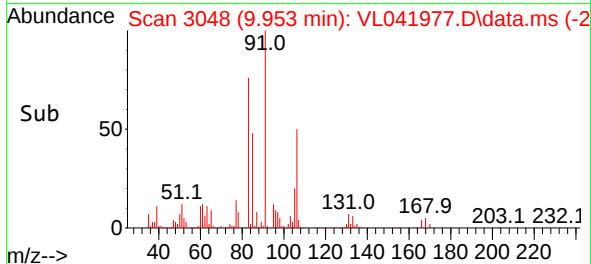
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



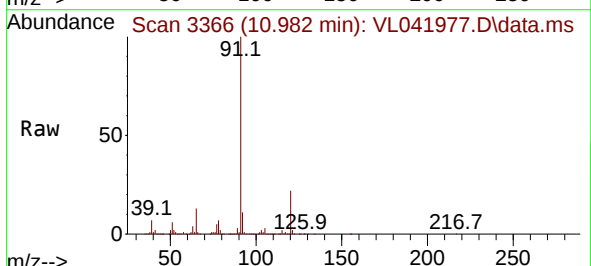
Tgt Ion: 83 Resp: 370658
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.4
85 64.4 32.4 97.2

Manual Integrations
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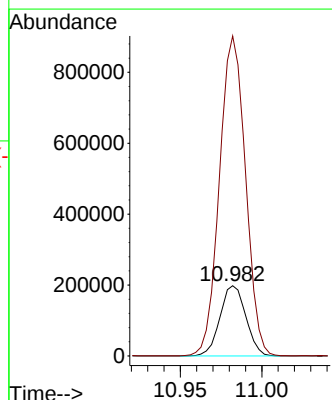
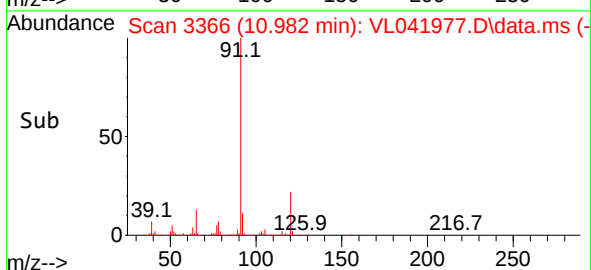
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

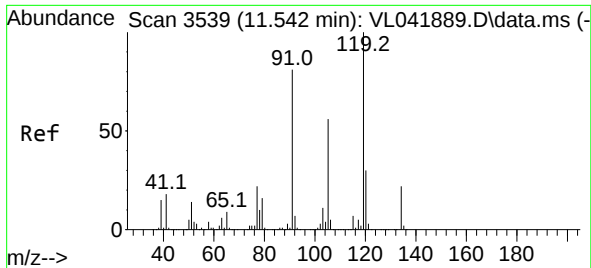


#64
n-propylbenzene
Concen: 12.657 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.019 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32



Tgt Ion:120 Resp: 218210
Ion Ratio Lower Upper
120 100
91 460.3 374.1 561.1





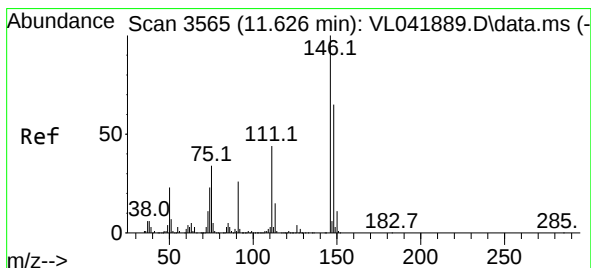
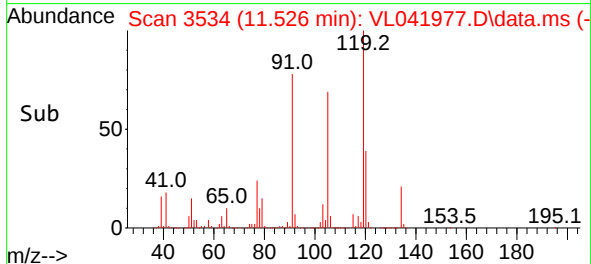
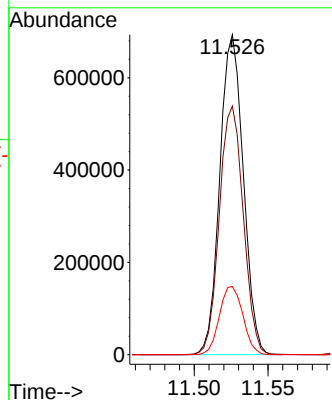
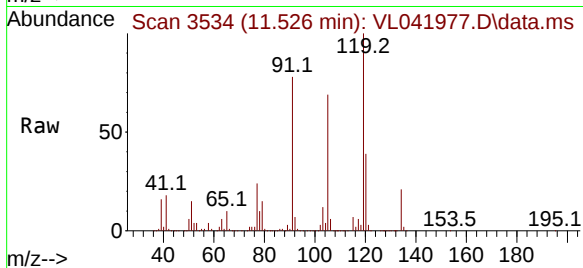
#65
tert-Butylbenzene
Concen: 12.359 ppbv
RT: 11.526 min Scan# 3539
Delta R.T. -0.016 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 76849
Ion Ratio Lower Upper
119 100
91 79.2 64.6 97.0
134 21.3 16.8 25.2

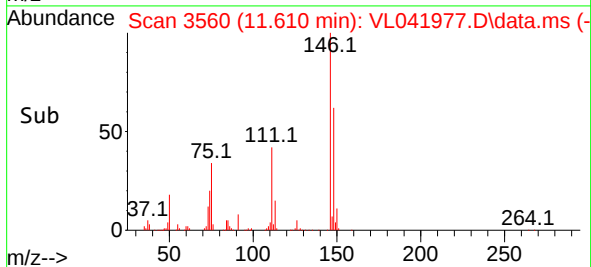
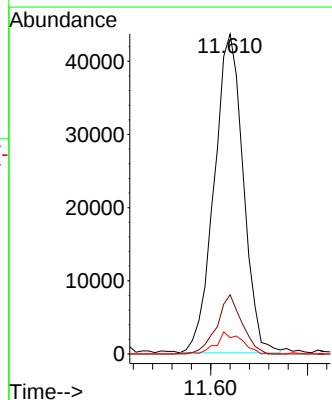
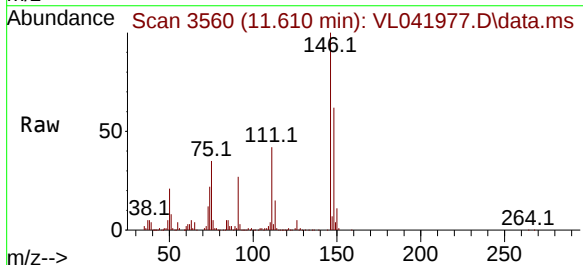
Manual Integrations
APPROVED

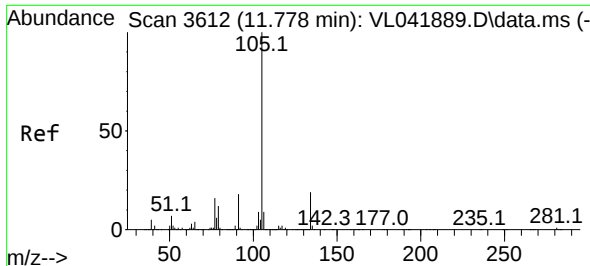
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#66
Benzyl Chloride
Concen: 11.790 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.016 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

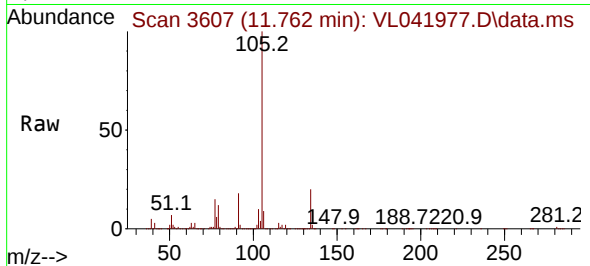
Tgt Ion: 91 Resp: 45377
Ion Ratio Lower Upper
91 100
126 16.0 14.1 21.1
128 6.2 4.3 6.5





#67
 sec-Butylbenzene
 Concen: 12.393 ppbv
 RT: 11.762 min Scan# 30
 Delta R.T. -0.016 min
 Lab File: VL041977.D
 Acq: 10 Feb 2025 08:32

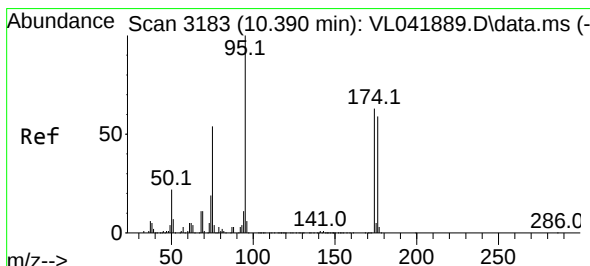
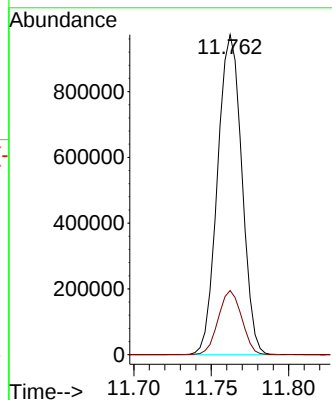
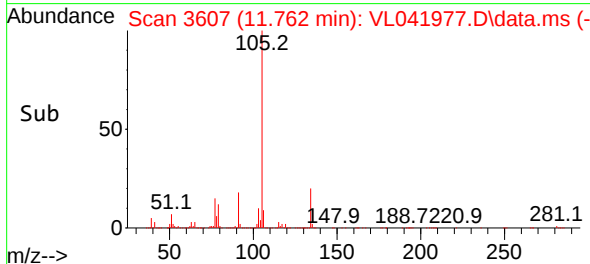
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 105 Resp: 106111
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.1 22.7

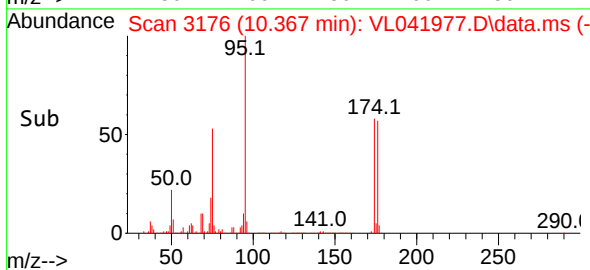
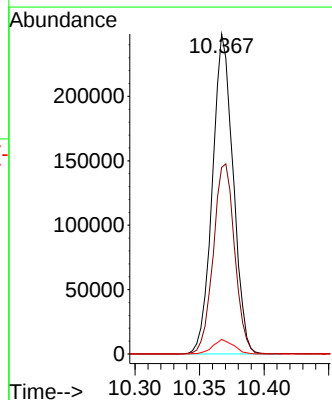
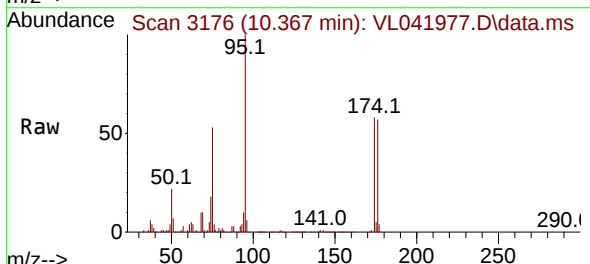
Manual Integrations
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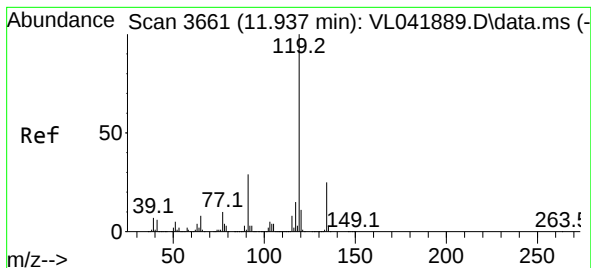
Reviewed By :Semsettin Yesilyurt 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.936 ppbv
 RT: 10.367 min Scan# 3176
 Delta R.T. -0.023 min
 Lab File: VL041977.D
 Acq: 10 Feb 2025 08:32

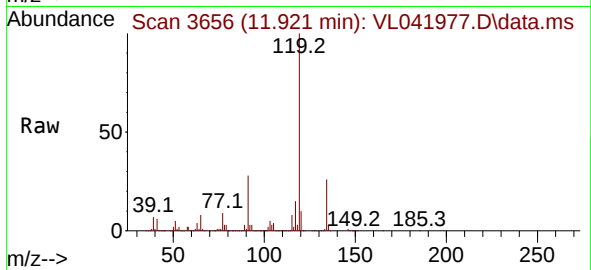
Tgt Ion: 95 Resp: 277551
 Ion Ratio Lower Upper
 95 100
 174 61.4 49.0 73.4
 175 4.5 3.8 5.8





#69
p-Isopropyltoluene
Concen: 12.479 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.016 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

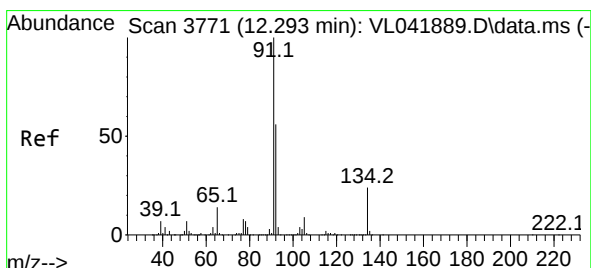
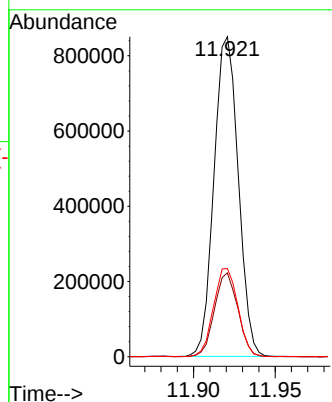
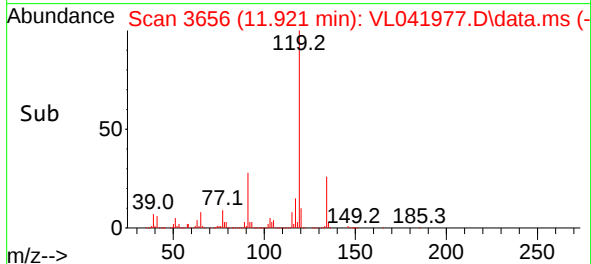
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



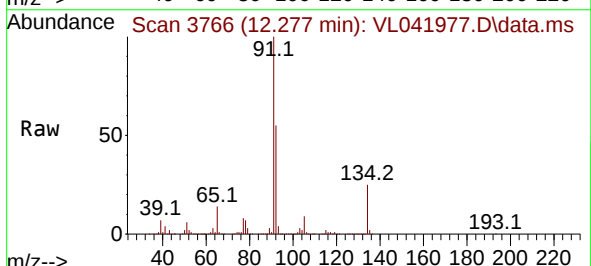
Tgt Ion:119 Resp: 879879
Ion Ratio Lower Upper
119 100
134 25.3 19.8 29.6
91 27.9 23.0 34.4

Manual Integrations
APPROVED

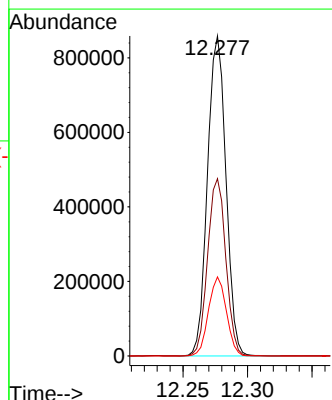
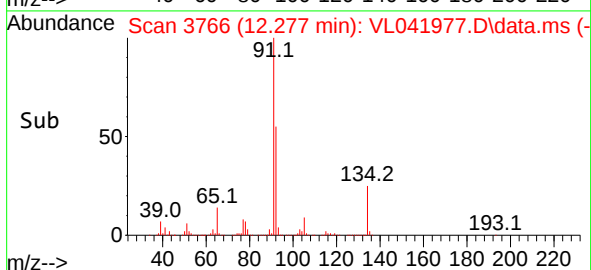
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

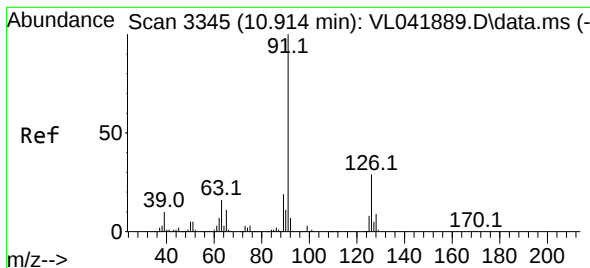


#70
n-Butylbenzene
Concen: 12.214 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.016 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32



Tgt Ion: 91 Resp: 854015
Ion Ratio Lower Upper
91 100
92 54.8 43.8 65.6
134 24.1 19.0 28.6





#71

2-Chlorotoluene

Concen: 12.105 ppbv

RT: 10.895 min Scan# 31

Delta R.T. -0.019 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 61095

Ion Ratio Lower Upper

91 100

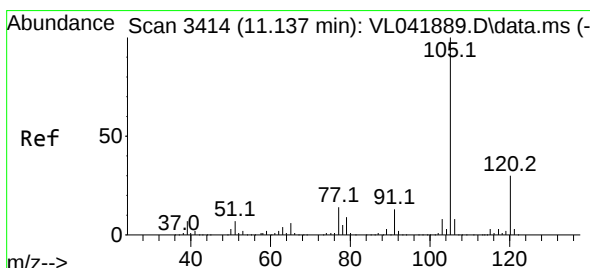
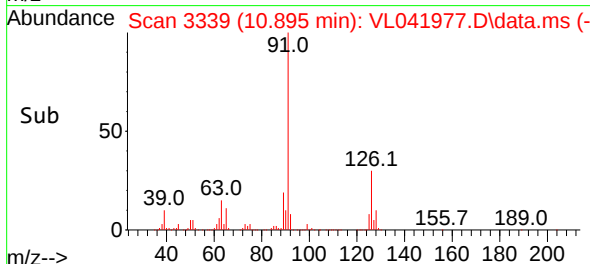
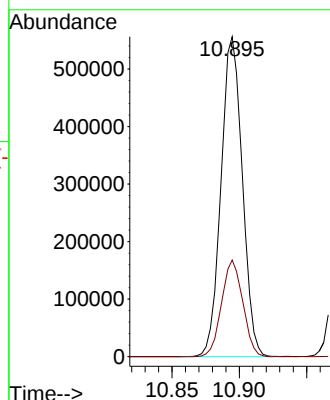
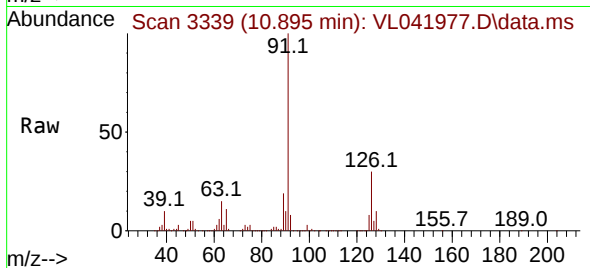
126 30.0 11.7 46.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#72

4-Ethyltoluene

Concen: 12.544 ppbv

RT: 11.118 min Scan# 3408

Delta R.T. -0.019 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Tgt Ion:105 Resp: 661607

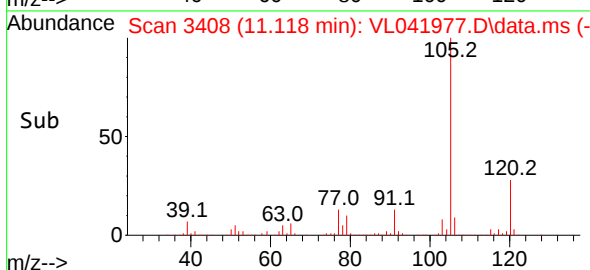
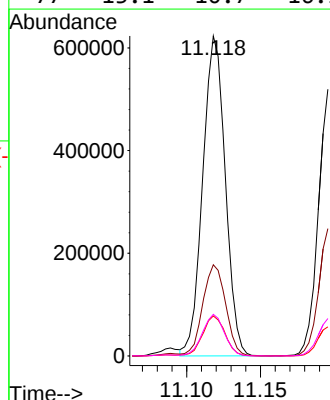
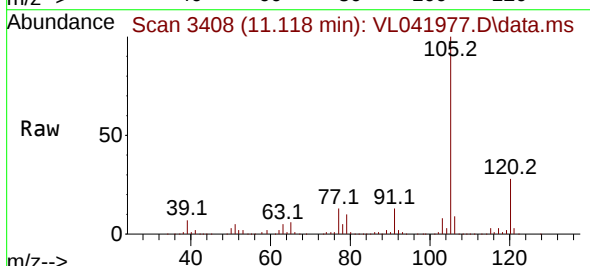
Ion Ratio Lower Upper

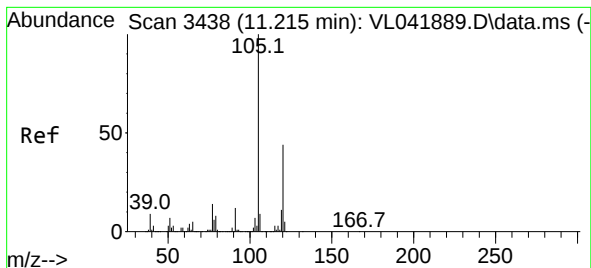
105 100

120 29.6 23.7 35.5

91 12.7 10.2 15.2

77 13.1 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 12.264 ppbv

RT: 11.199 min Scan# 3438

Delta R.T. -0.016 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 571249

Ion Ratio Lower Upper

105 100

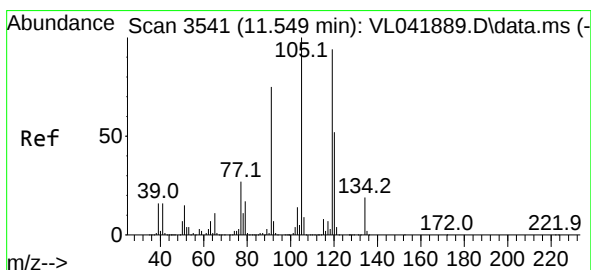
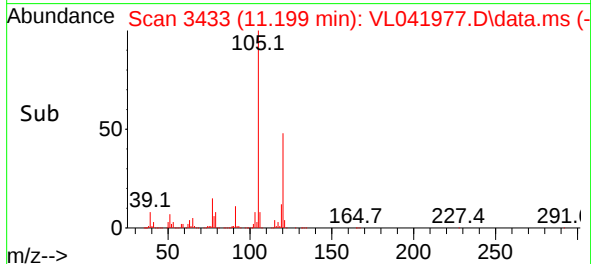
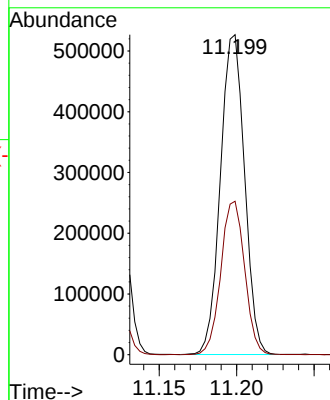
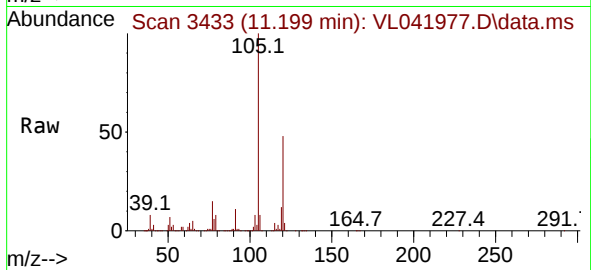
120 47.9 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#74

1,2,4-Trimethylbenzene

Concen: 12.437 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.019 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Tgt Ion:105 Resp: 627355

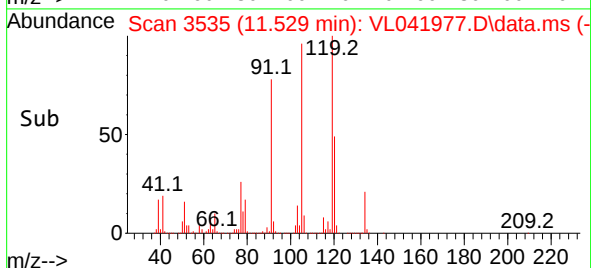
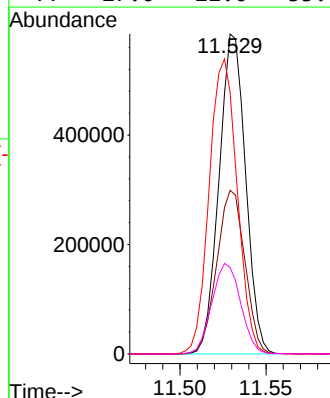
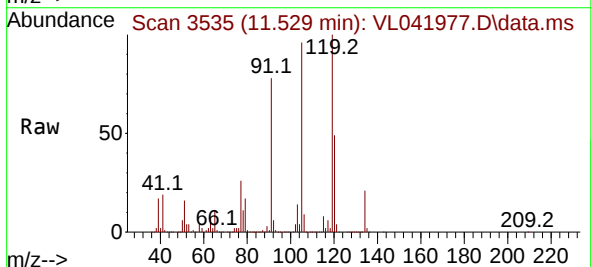
Ion Ratio Lower Upper

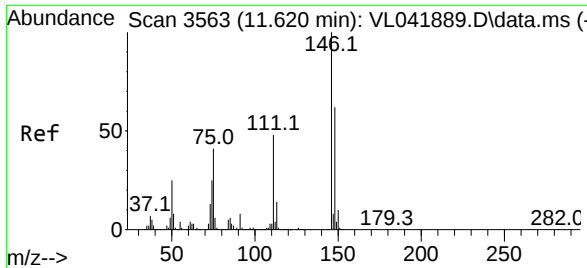
105 100

120 51.1 41.4 62.2

91 81.5 60.2 90.2

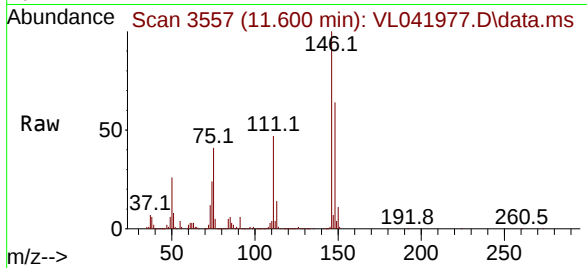
77 27.0 22.0 33.0





#75
1,3-Dichlorobenzene
Concen: 12.270 ppbv
RT: 11.600 min Scan# 3557
Delta R.T. -0.019 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

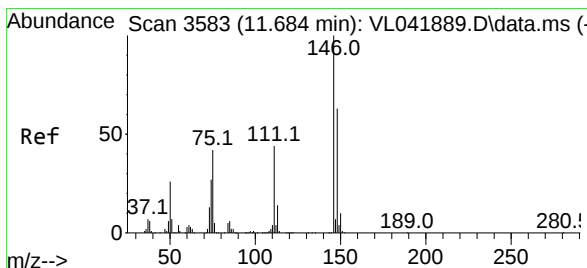
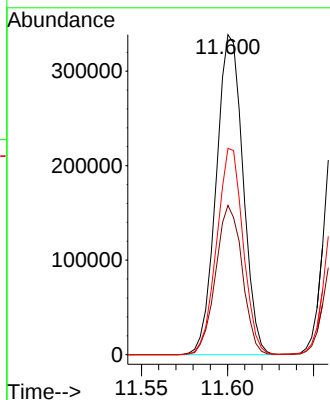
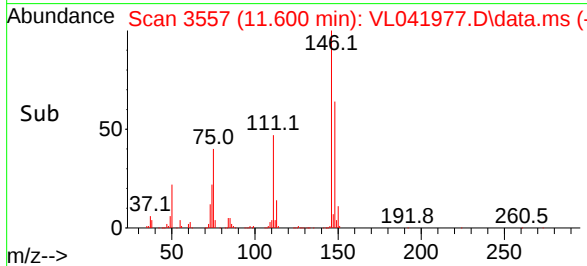
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



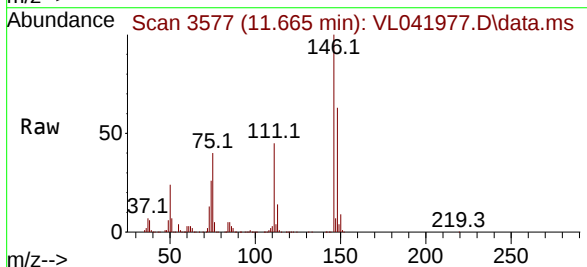
Tgt Ion:146 Resp: 366759
Ion Ratio Lower Upper
146 100
111 46.3 23.6 70.8
148 63.5 31.4 94.0

Manual Integrations
APPROVED

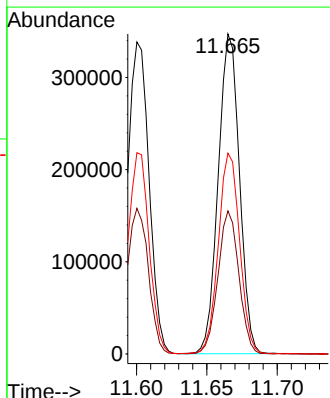
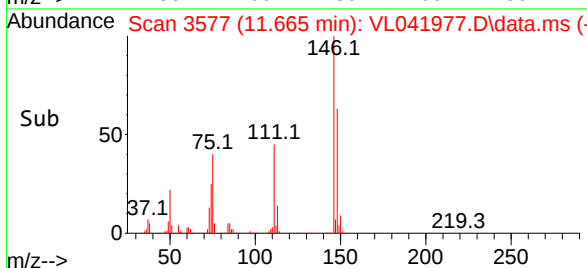
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

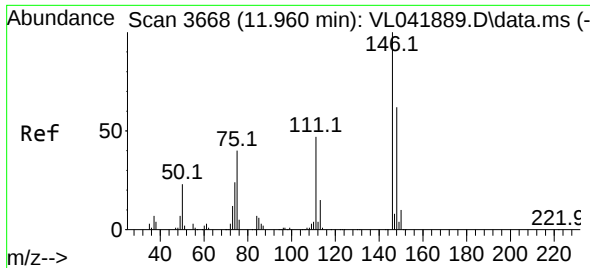


#76
1,4-Dichlorobenzene
Concen: 12.460 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.019 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32



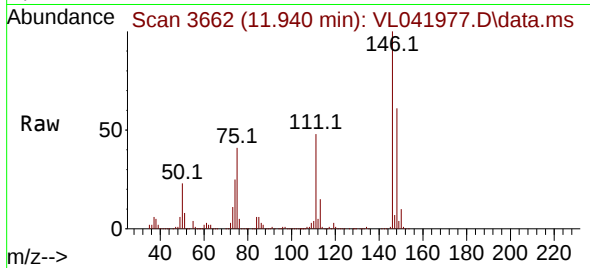
Tgt Ion:146 Resp: 364383
Ion Ratio Lower Upper
146 100
111 44.3 22.4 67.0
148 63.2 31.9 95.5





#77
1,2-Dichlorobenzene
Concen: 12.406 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. -0.019 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32

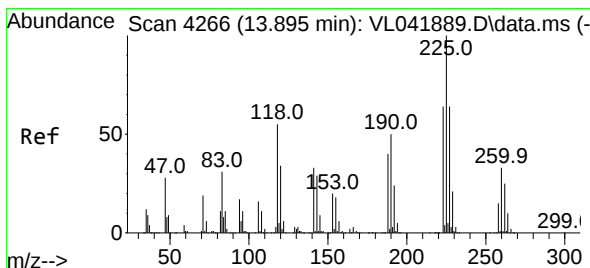
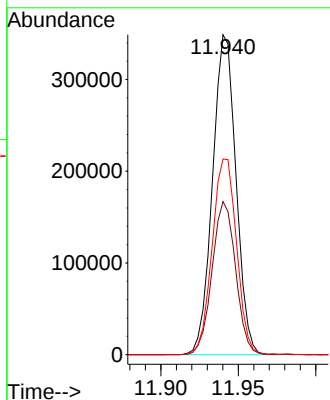
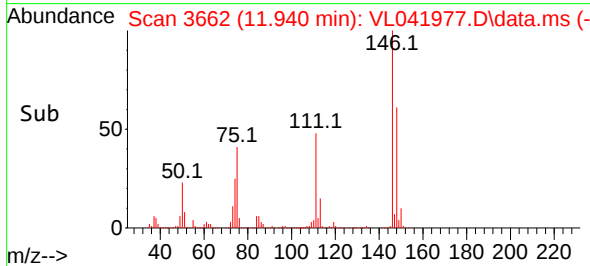
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



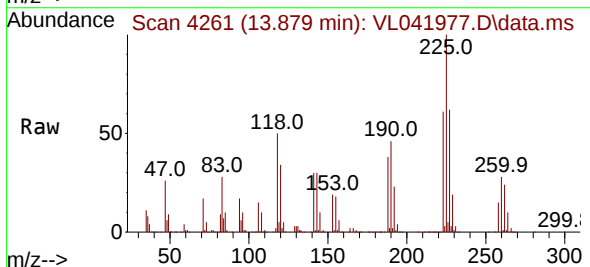
Tgt Ion:146 Resp: 367508
Ion Ratio Lower Upper
146 100
111 48.1 24.2 72.6
148 63.6 31.7 95.1

Manual Integrations
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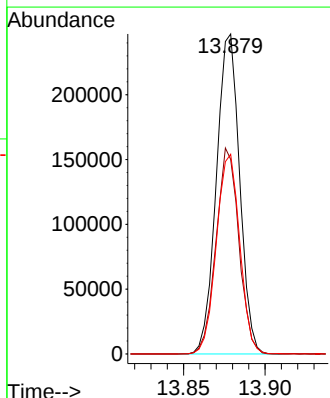
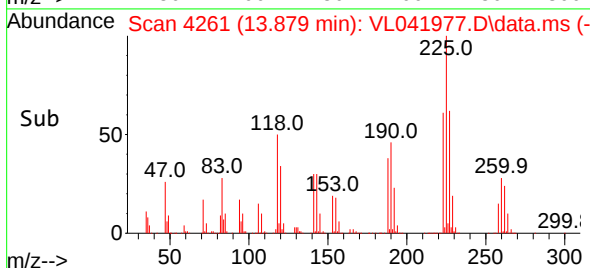
Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

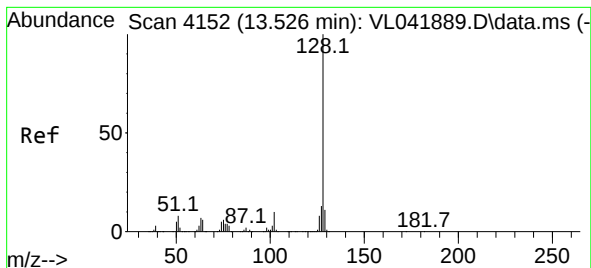


#78
Hexachloro-1,3-Butadiene
Concen: 10.054 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.016 min
Lab File: VL041977.D
Acq: 10 Feb 2025 08:32



Tgt Ion:225 Resp: 244469
Ion Ratio Lower Upper
225 100
223 63.3 50.8 76.2
227 62.9 50.3 75.5





#79

Naphthalene

Concen: 10.729 ppbv

RT: 13.507 min Scan# 4152

Delta R.T. -0.019 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Instrument :

MSVOA_L

ClientSampleId :

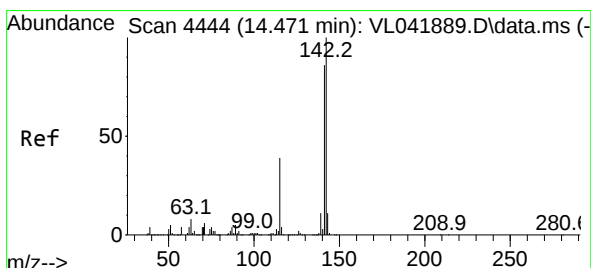
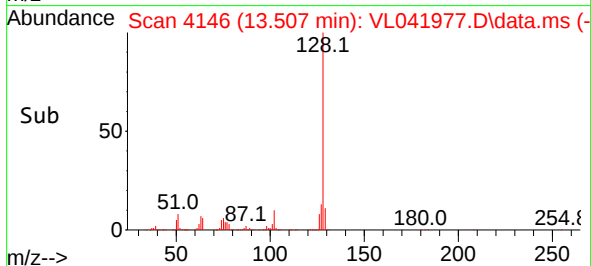
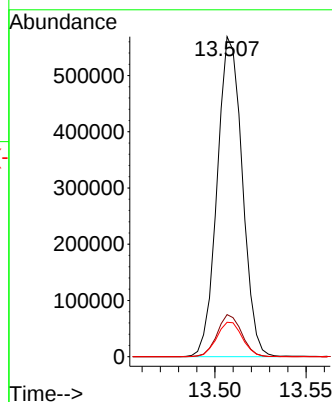
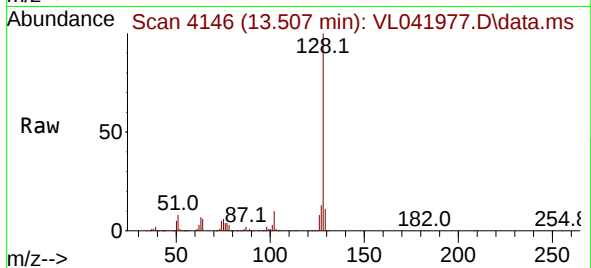
VSTDCCC010

Tgt Ion:128	Resp: 54492
Ion Ratio	Lower Upper
128 100	
127 13.2	10.2 15.4
129 10.7	9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#80

Naphthalene,2-methyl-

Concen: 6.315 ppbv

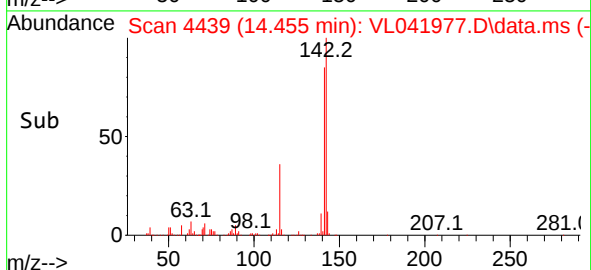
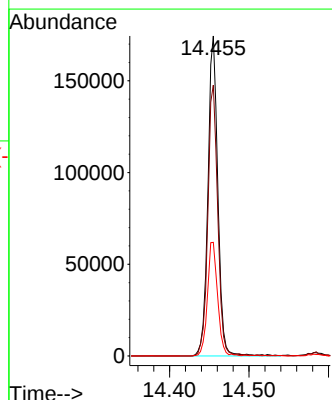
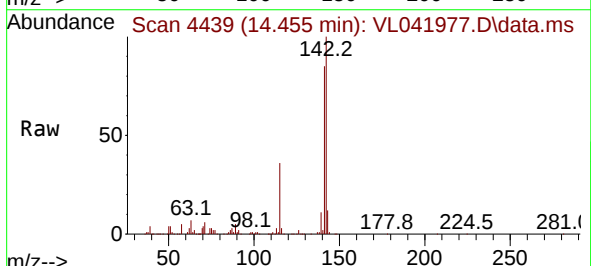
RT: 14.455 min Scan# 4439

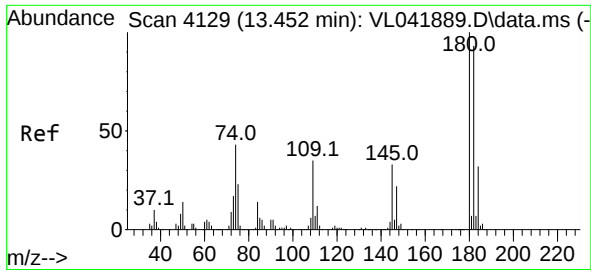
Delta R.T. -0.016 min

Lab File: VL041977.D

Acq: 10 Feb 2025 08:32

Tgt Ion:142	Resp: 152056
Ion Ratio	Lower Upper
142 100	
141 85.0	68.1 102.1
115 36.6	31.7 47.5





#81

1,2,4-Trichlorobenzene

Concen: 9.811 ppbv

RT: 13.435 min Scan# 41

Delta R.T. -0.016 min

Lab File: VL041977.D

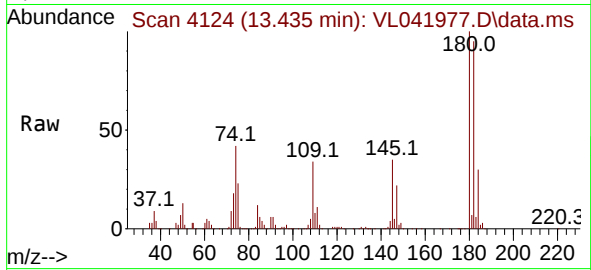
Acq: 10 Feb 2025 08:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 243210

Ion Ratio Lower Upper

180 100

182 95.1 77.0 115.6

184 29.3 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025

