

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041933.D
 Acq On : 20 Jan 2025 23:00
 Operator : SY/MD
 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4

Manual Integrations
 APPROVED

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

Quant Time: Jan 21 05:07:52 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	2.777	49	136282	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.946	114	377622	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.869	117	327592	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.367 95 257179 9.967 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	9453	0.509	ppbv	93
3) Chlorodifluoromethane	1.470	51	9526	0.490	ppbv	100
4) Chloromethane	1.528	50	3365	0.482	ppbv	93
5) Vinyl Chloride	1.573	62	3117	0.441	ppbv	99
6) Bromomethane	1.664	94	1766	0.524	ppbv	92
7) Chloroethane	1.700	64	1346	0.489	ppbv	93
8) Dichlorotetrafluoroethane	1.551	85	7291	0.449	ppbv	98
9) Propene	1.479	41	3855	0.481	ppbv	98
10) Heptane	4.962	43	7100m	0.332	ppbv	
11) Trichlorofluoromethane	1.871	101	7872	0.408	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.133	101	6669	0.441	ppbv	98
13) Ethanol	1.716	45	238m	0.406	ppbv	
14) Bromoethene	1.777	108	2296	0.414	ppbv #	93
15) Acetone	1.832	43	8886	0.543	ppbv	94
16) 1,3-Butadiene	1.602	39	3787	0.515	ppbv	87
17) tert-Butyl alcohol	2.039	59	7707	0.383	ppbv #	86
18) 1,1-Dichloroethene	2.026	96	2914	0.427	ppbv #	93
19) Isopropyl Alcohol	1.884	45	4486	0.462	ppbv #	39
20) Methylene Chloride	2.056	84	3078	0.476	ppbv #	86
21) Allyl Chloride	2.088	41	4844	0.427	ppbv #	85
22) trans-1,2-Dichloroethene	2.331	96	3394	0.441	ppbv	81
23) Vinyl Acetate	2.454	43	3023	0.373	ppbv #	76
24) 1,1-Dichloroethane	2.402	63	6992	0.470	ppbv	98
25) Ethyl Acetate	2.832	43	17821m	0.404	ppbv	
26) Hexane	2.816	57	6200	0.355	ppbv #	77
27) Carbon Disulfide	2.143	76	6601	0.382	ppbv #	1
28) Methyl tert-Butyl Ether	2.437	73	4405	0.330	ppbv #	81
29) Chloroform	2.839	83	12876	0.467	ppbv	86
30) Cyclohexane	3.849	84	5001	0.330	ppbv	90
31) cis-1,2-Dichloroethene	2.709	61	7466	0.406	ppbv	95
32) 1,1,1-Trichloroethane	3.360	97	10678	0.404	ppbv	94
34) 2-Butanone	2.554	43	11133	0.464	ppbv	97
35) Carbon Tetrachloride	3.752	117	10082	0.425	ppbv	90
36) Benzene	3.648	78	14725m	0.425	ppbv	
37) 1,2-Dichloroethane	3.208	62	9188	0.472	ppbv	99
38) Trichloroethene	4.532	130	5778m	0.420	ppbv	
39) 1,2-Dichloropropane	4.299	63	5683m	0.468	ppbv	
40) 1,4-Dioxane	4.596	88	1865	0.304	ppbv #	10
41) Tetrahydrofuran	3.056	42	5333m	0.409	ppbv	
42) Bromodichloromethane	4.480	83	10841	0.416	ppbv #	92
43) Methyl Methacrylate	4.871	69	4275m	0.332	ppbv	
44) 2,2,4-Trimethylpentane	4.629	57	20981	0.375	ppbv	93
45) t-1,3-Dichloropropene	6.389	75	3687m	0.306	ppbv	

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 Supervised By : Mahesh Dadoda 01/21/2025

Quant Time: Jan 21 05:07:52 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	5.587	75	5473m	0.346	ppbv	
47) 1,1,2-Trichloroethane	6.567	97	6348m	0.493	ppbv	
48) Dibromochloromethane	7.373	129	7155	0.360	ppbv	99
49) Bromoform	9.467	173	5536	0.339	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	11967m	0.365	ppbv	
51) 2-Hexanone	7.432	43	7904m	0.314	ppbv	
52) Tetrachloroethene	8.212	164	4901	0.408	ppbv	92
53) Toluene	6.911	91	12801m	0.339	ppbv	
54) 1,2-Dibromoethane	7.642	107	7031m	0.397	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.917	131	7069	0.433	ppbv #	1
57) Chlorobenzene	8.911	112	14493m	0.480	ppbv	
58) Ethyl Benzene	9.344	91	15758	0.308	ppbv	95
59) m/p-Xylene	9.539	91	26546m	0.647	ppbv	
60) o-Xylene	9.950	91	13053m	0.320	ppbv	
61) Styrene	9.856	104	5402	0.296	ppbv	97
62) Isopropylbenzene	10.529	105	22156	0.352	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.953	83	12465	0.479	ppbv	98
64) n-propylbenzene	10.979	120	5193	0.326	ppbv	100
65) tert-Butylbenzene	11.523	119	17019	0.296	ppbv	96
66) Benzyl Chloride	11.604	91	1046m	0.294	ppbv	
67) sec-Butylbenzene	11.762	105	27031	0.342	ppbv	98
69) p-Isopropyltoluene	11.918	119	20686	0.318	ppbv	99
70) n-Butylbenzene	12.277	91	20287	0.314	ppbv	93
71) 2-Chlorotoluene	10.892	91	15579	0.334	ppbv	99
72) 4-Ethyltoluene	11.115	105	14809	0.304	ppbv	98
73) 1,3,5-Trimethylbenzene	11.196	105	14023	0.326	ppbv	100
74) 1,2,4-Trimethylbenzene	11.526	105	15550	0.334	ppbv	92
75) 1,3-Dichlorobenzene	11.597	146	12480	0.452	ppbv	98
76) 1,4-Dichlorobenzene	11.662	146	10947	0.405	ppbv	97
77) 1,2-Dichlorobenzene	11.940	146	13285	0.485	ppbv	97
78) Hexachloro-1,3-Butadiene	13.876	225	9664	0.430	ppbv	97
79) Naphthalene	13.507	128	12592	0.268	ppbv #	92
80) Naphthalene,2-methyl-	14.452	142	3806	0.171	ppbv	93
81) 1,2,4-Trichlorobenzene	13.432	180	7796	0.340	ppbv	97

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

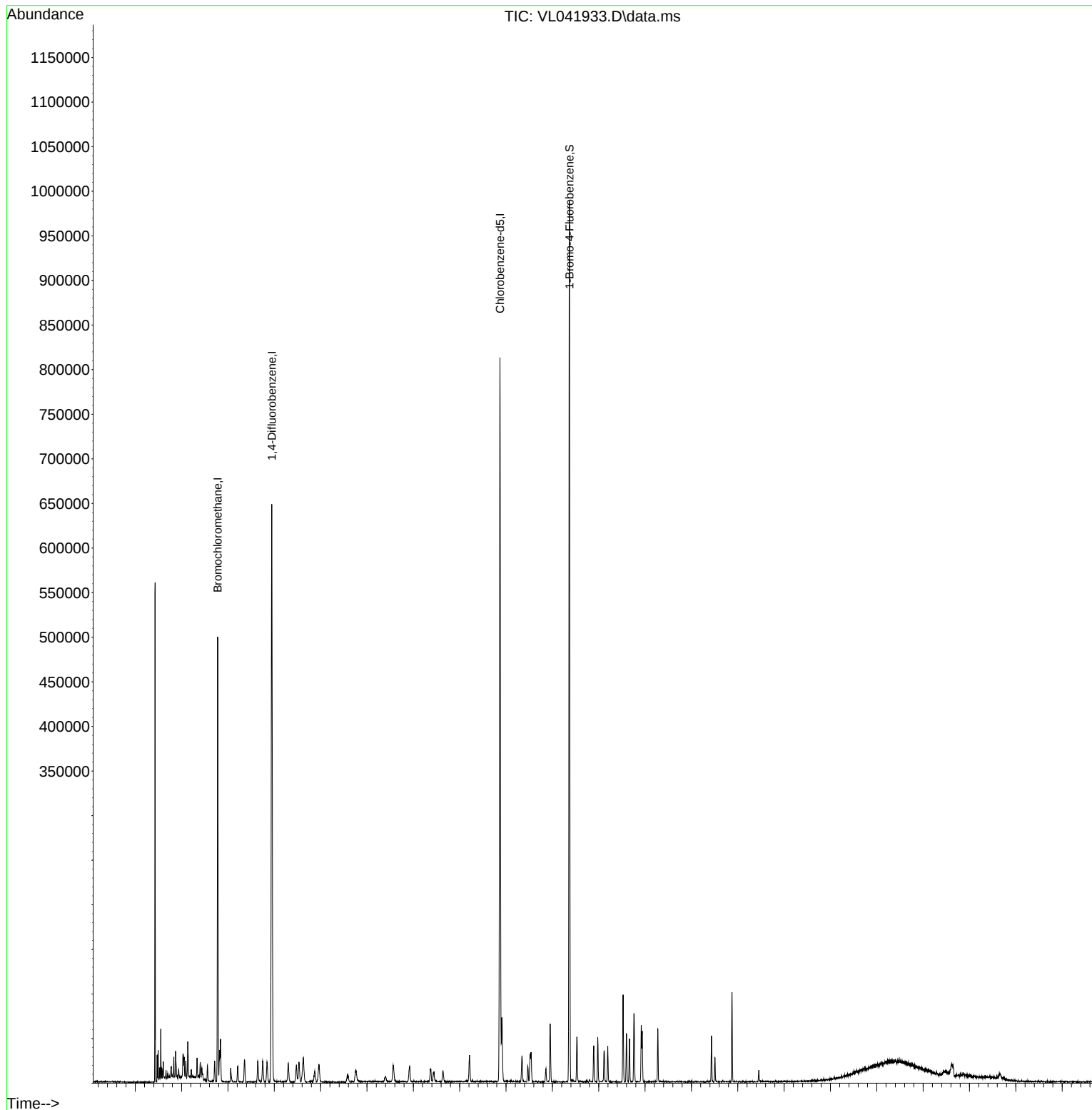
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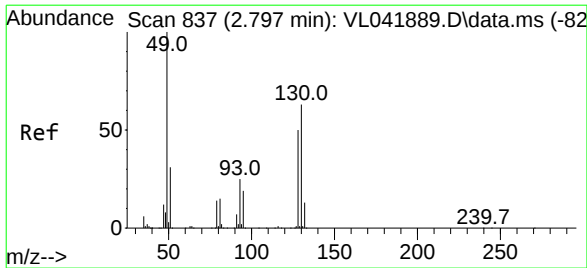
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Quant Time: Jan 21 05:07:52 2025
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Supervised By : Mahesh Dadoda 01/21/2025





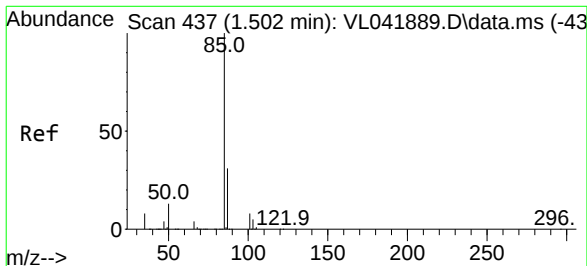
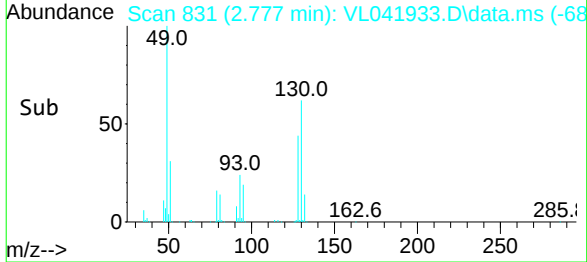
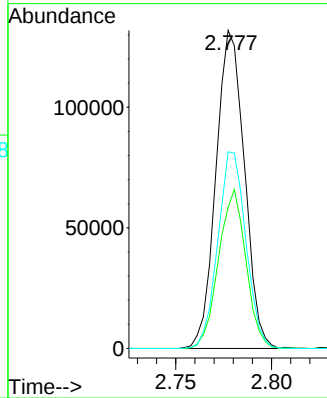
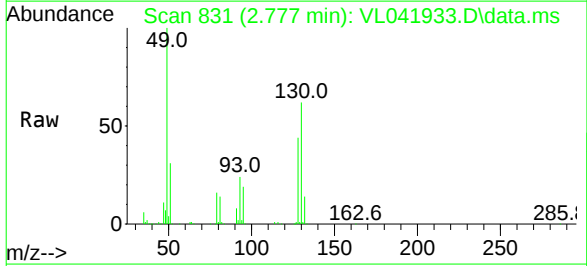
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 831
Delta R.T. -0.020 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 49 Resp: 136282
Ion Ratio Lower Upper
49 100
128 48.0 24.3 73.0
130 60.9 31.1 93.2

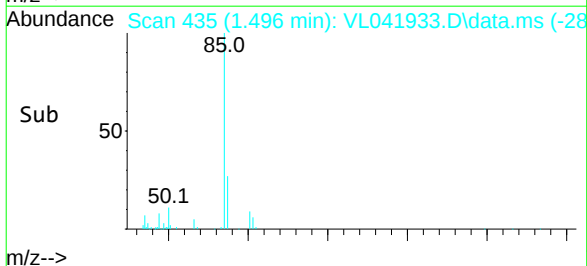
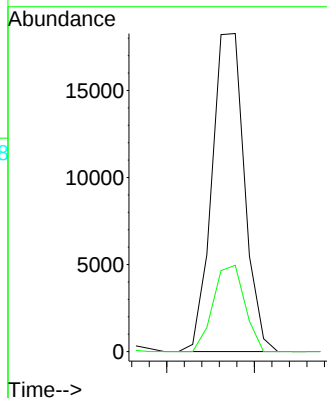
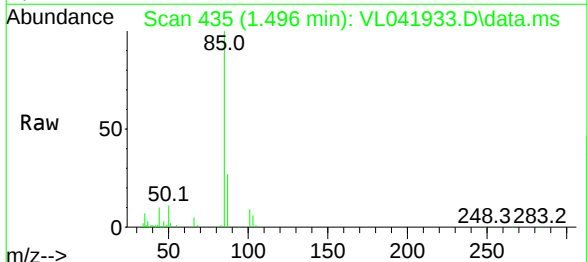
Manual Integrations
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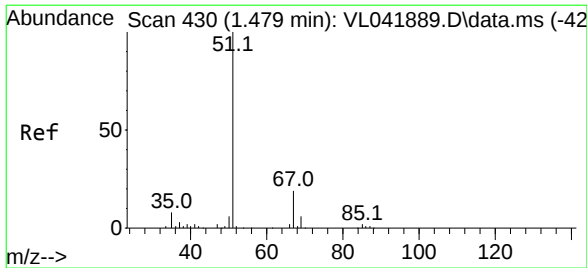
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#2
Dichlorodifluoromethane
Concen: 0.509 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.006 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Tgt Ion: 85 Resp: 9453
Ion Ratio Lower Upper
85 100
87 27.1 24.9 37.3





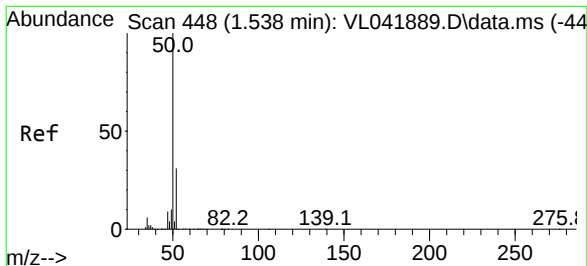
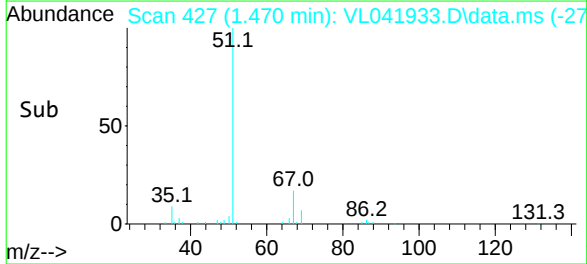
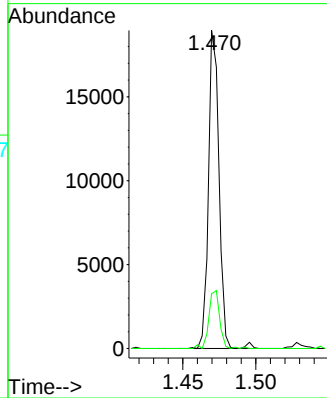
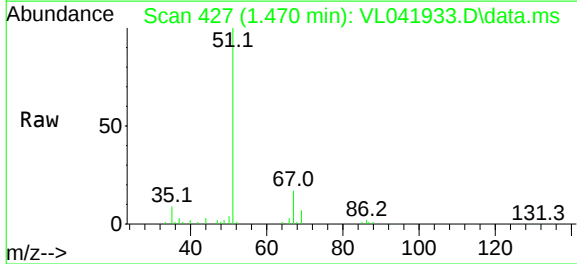
#3
Chlorodifluoromethane
Concen: 0.490 ppbv
RT: 1.470 min Scan# 42
Delta R.T. -0.010 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 51 Resp: 9526
Ion Ratio Lower Upper
51 100
67 18.8 15.0 22.4

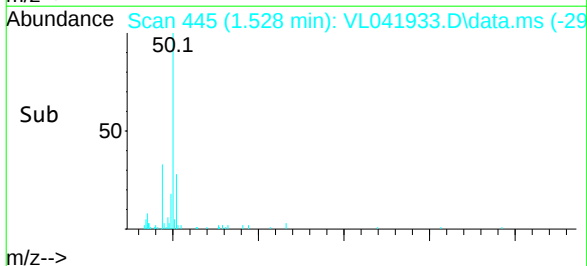
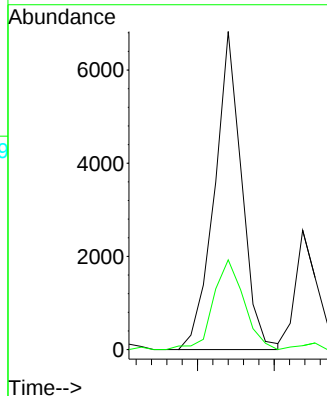
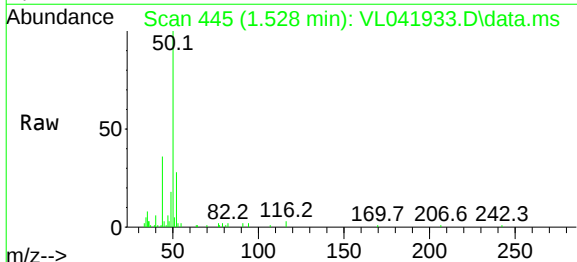
Manual Integrations
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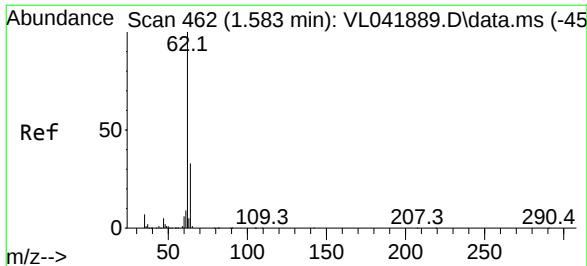
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#4
Chloromethane
Concen: 0.482 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.010 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

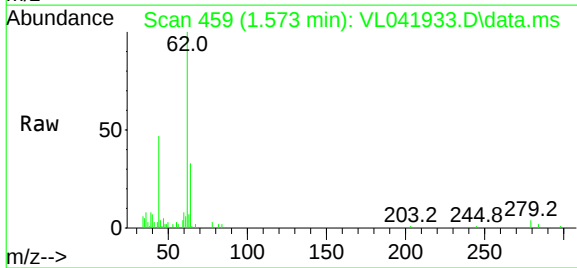
Tgt Ion: 50 Resp: 3365
Ion Ratio Lower Upper
50 100
52 27.1 24.6 36.8





#5
 Vinyl Chloride
 Concen: 0.441 ppbv
 RT: 1.573 min Scan# 45
 Delta R.T. -0.010 min
 Lab File: VL041933.D
 Acq: 20 Jan 2025 23:00

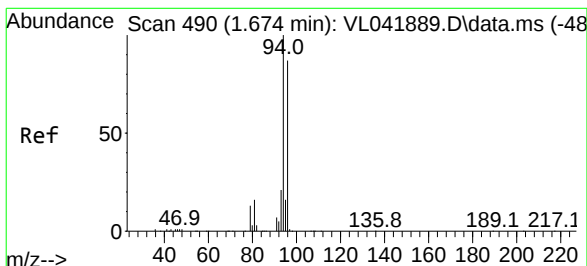
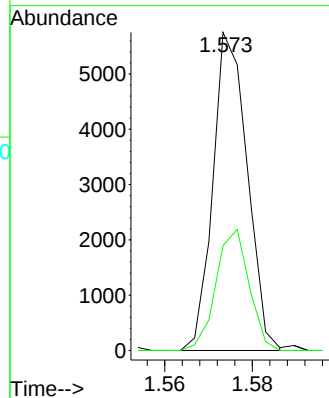
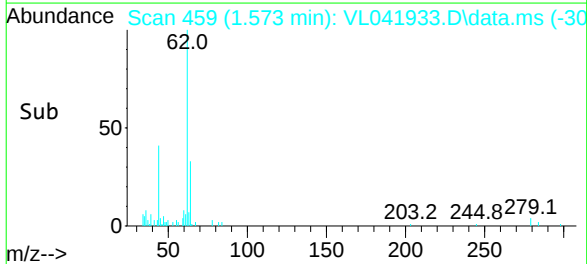
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4



Tgt Ion: 62 Resp: 3117
 Ion Ratio Lower Upper
 62 100
 64 33.0 26.1 39.1

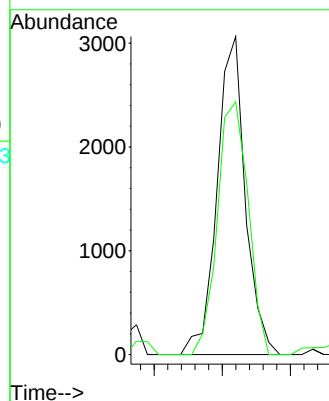
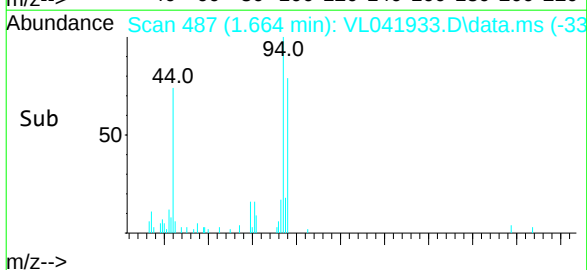
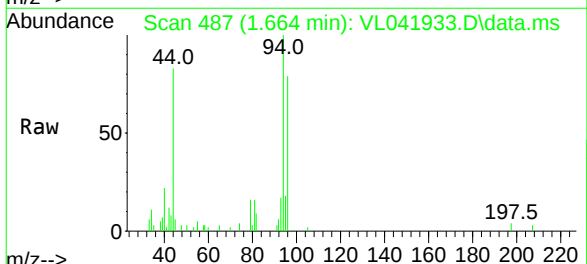
Manual Integrations
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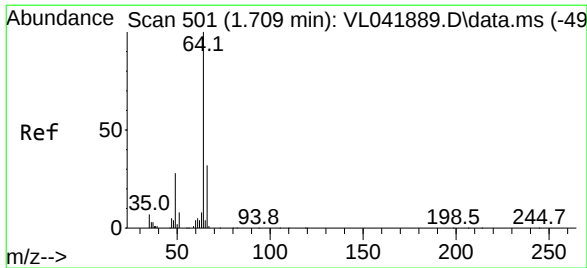
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025



#6
 Bromomethane
 Concen: 0.524 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.010 min
 Lab File: VL041933.D
 Acq: 20 Jan 2025 23:00

Tgt Ion: 94 Resp: 1766
 Ion Ratio Lower Upper
 94 100
 96 79.4 69.5 104.3





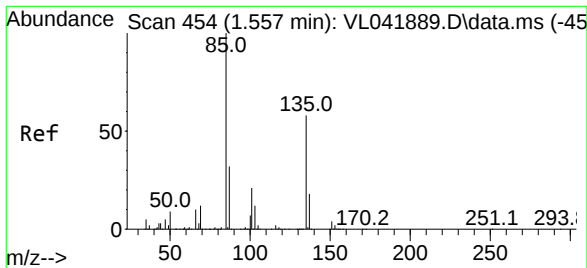
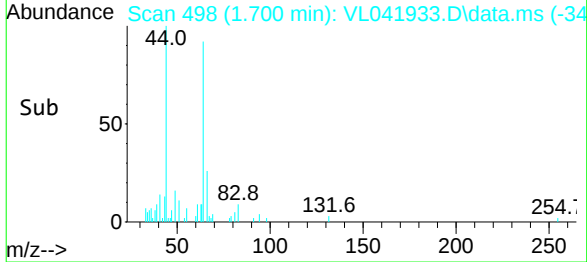
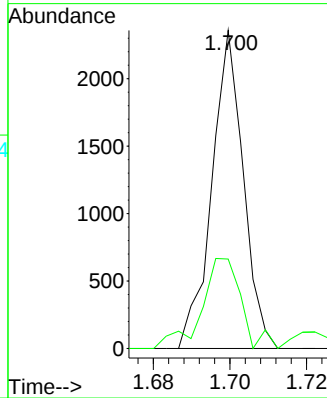
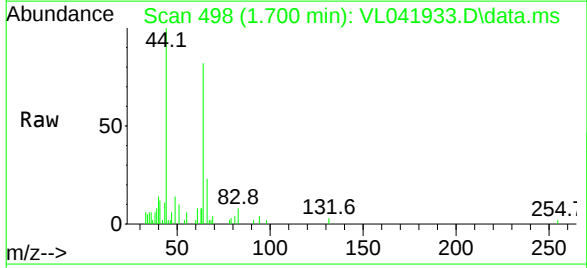
#7
Chloroethane
Concen: 0.489 ppbv
RT: 1.700 min Scan# 49
Delta R.T. -0.010 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 64 Resp: 1346
Ion Ratio Lower Upper
64 100
66 28.1 25.7 38.5

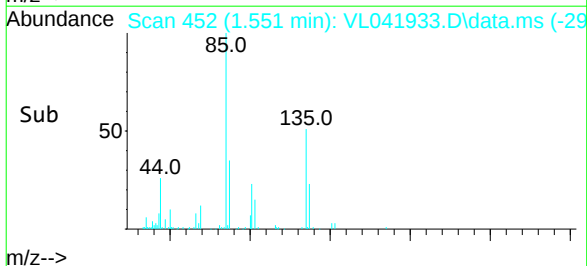
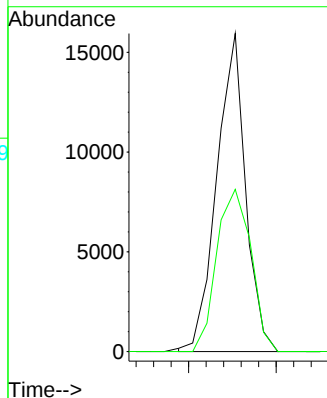
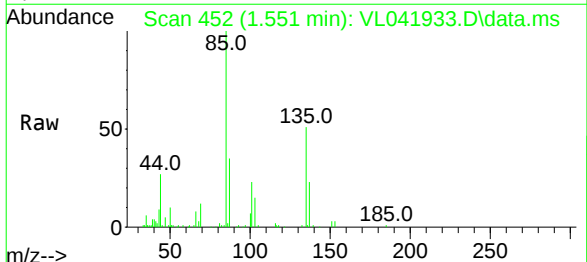
Manual Integrations
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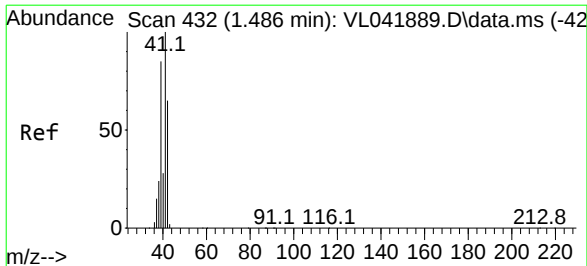
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#8
Dichlorotetrafluoroethane
Concen: 0.449 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.006 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

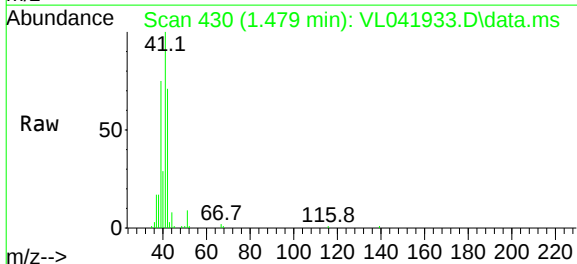
Tgt Ion: 85 Resp: 7291
Ion Ratio Lower Upper
85 100
135 60.8 50.0 75.0





#9
 Propene
 Concen: 0.481 ppbv
 RT: 1.479 min Scan# 43
 Delta R.T. -0.006 min
 Lab File: VL041933.D
 Acq: 20 Jan 2025 23:00

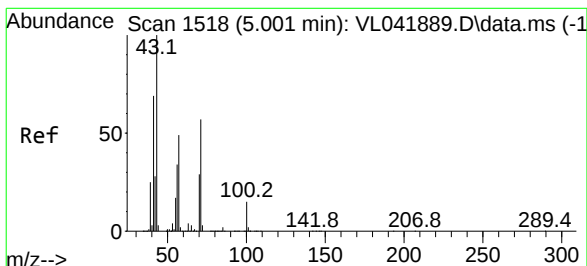
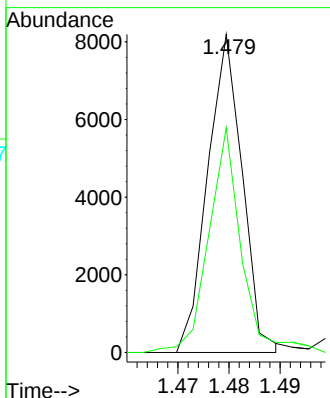
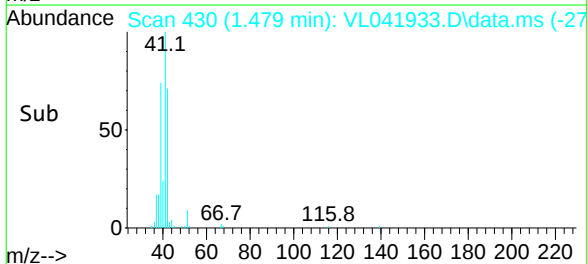
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4



Tgt Ion: 41 Resp: 3855
 Ion Ratio Lower Upper
 41 100
 42 66.6 52.0 78.0

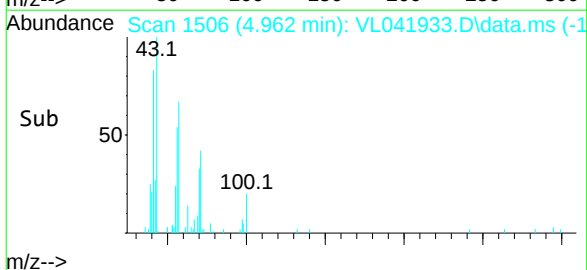
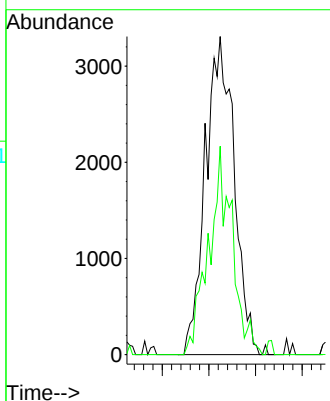
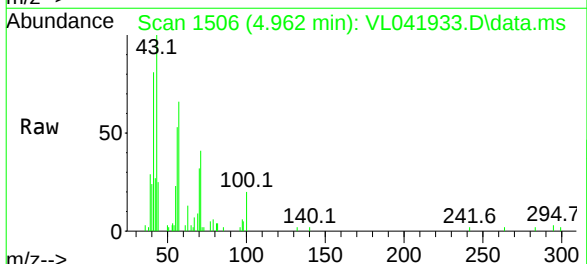
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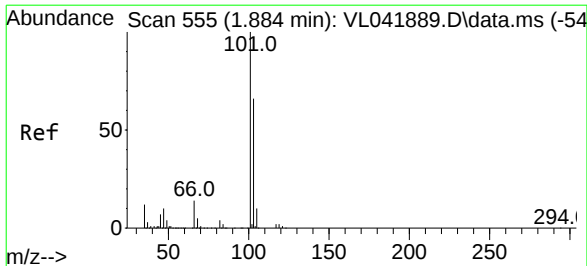
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025



#10
 Heptane
 Concen: 0.332 ppbv m
 RT: 4.962 min Scan# 1506
 Delta R.T. -0.039 min
 Lab File: VL041933.D
 Acq: 20 Jan 2025 23:00

Tgt Ion: 43 Resp: 7100
 Ion Ratio Lower Upper
 43 100
 57 54.5 41.0 61.4





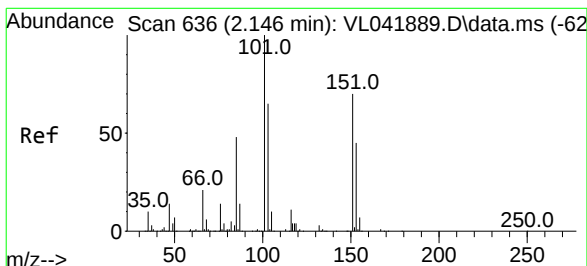
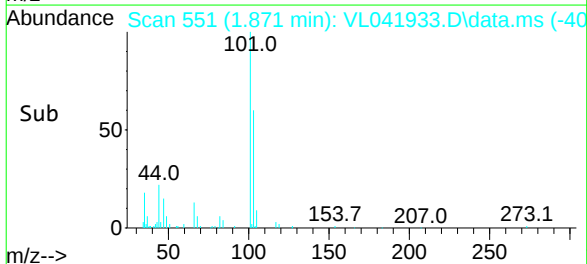
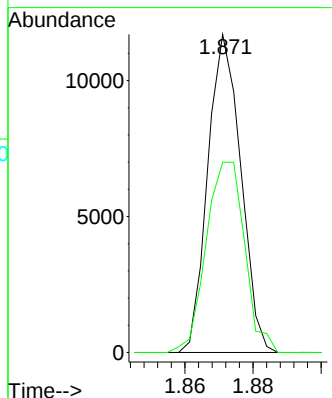
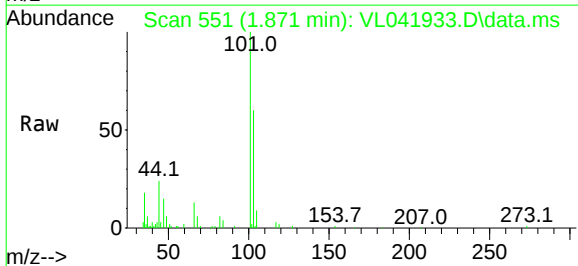
#11
Trichlorofluoromethane
Concen: 0.408 ppbv
RT: 1.871 min Scan# 555
Delta R.T. -0.013 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:101 Resp: 7872
Ion Ratio Lower Upper
101 100
103 59.8 53.1 79.7

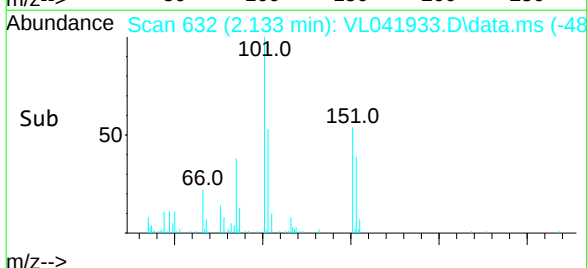
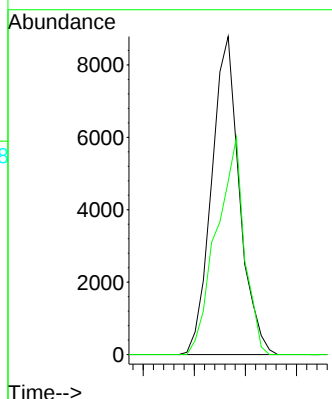
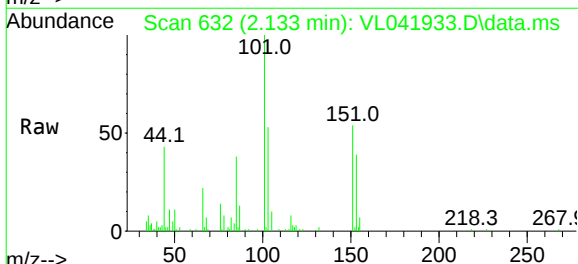
Manual Integrations
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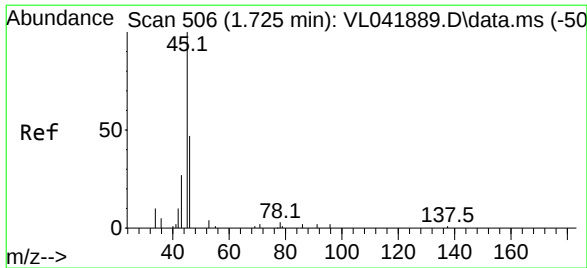
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.441 ppbv
RT: 2.133 min Scan# 632
Delta R.T. -0.013 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Tgt Ion:101 Resp: 6669
Ion Ratio Lower Upper
101 100
151 68.3 56.1 84.1





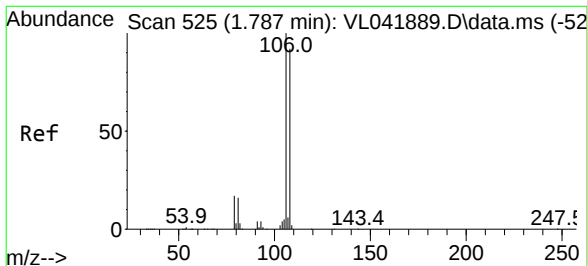
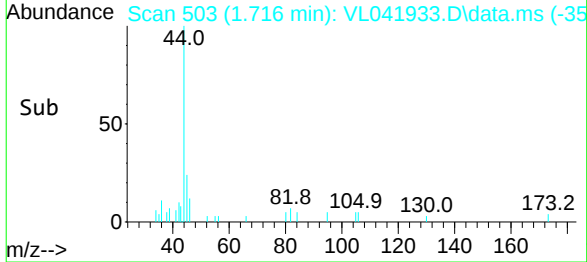
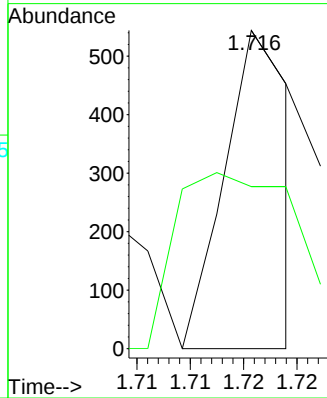
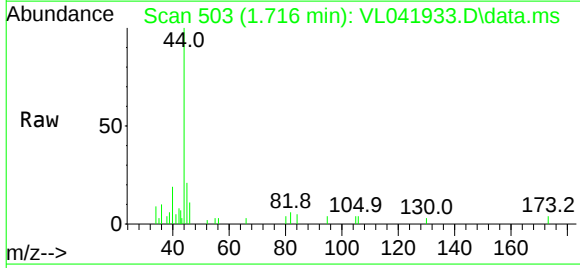
#13
Ethanol
Concen: 0.406 ppbv m
RT: 1.716 min Scan# 506
Delta R.T. -0.010 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 45 Resp: 238
Ion Ratio Lower Upper
45 100
46 116.0 18.1 72.5#

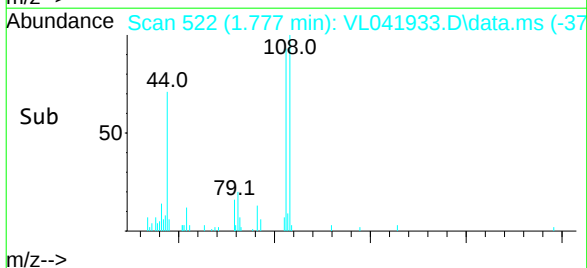
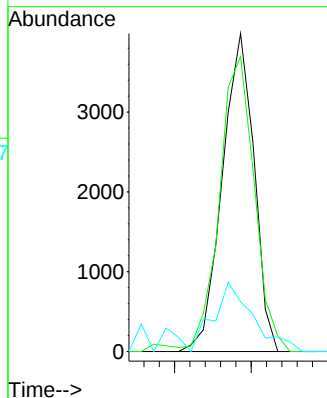
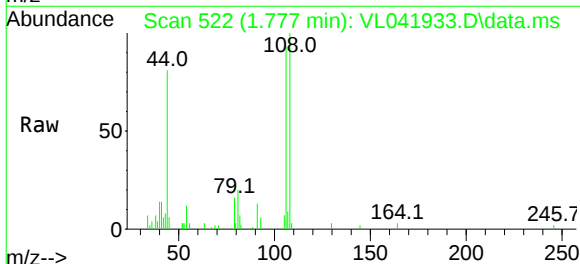
Manual Integrations
APPROVED

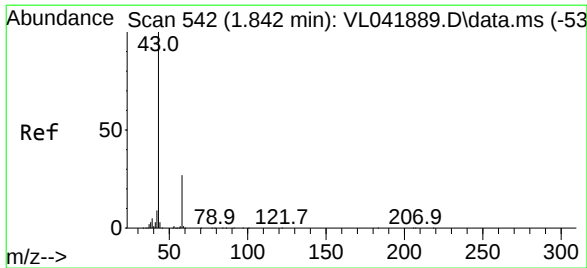
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#14
Bromoethene
Concen: 0.414 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.010 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

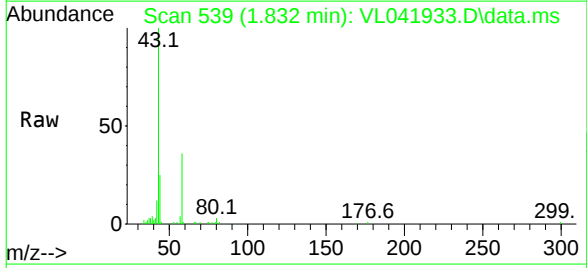
Tgt Ion:108 Resp: 2296
Ion Ratio Lower Upper
108 100
106 103.4 85.5 128.3
79 32.7 15.3 22.9#





#15
Acetone
Concen: 0.543 ppbv
RT: 1.832 min Scan# 53
Delta R.T. -0.010 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

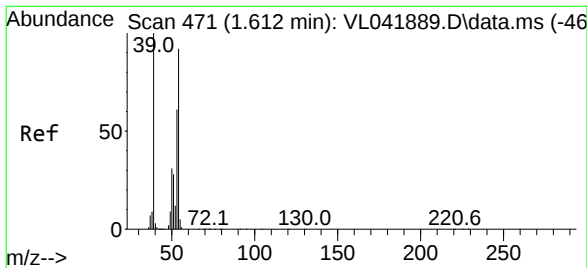
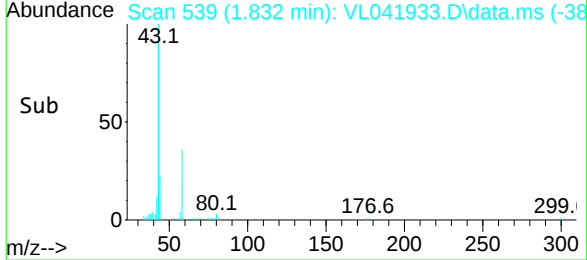
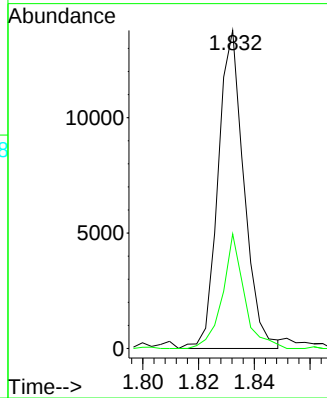
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion: 43 Resp: 8886
Ion Ratio Lower Upper
43 100
58 30.7 21.9 32.9

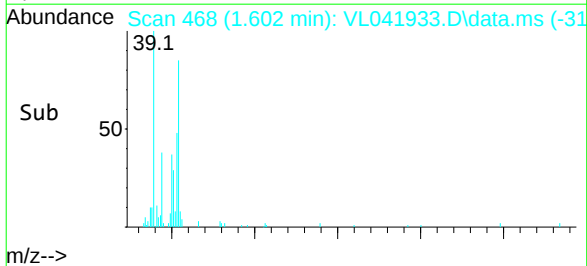
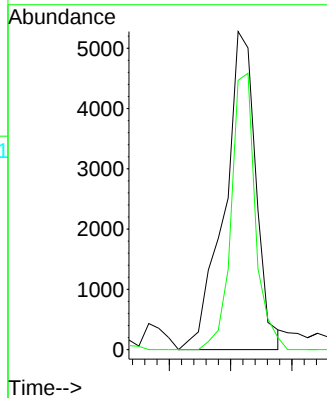
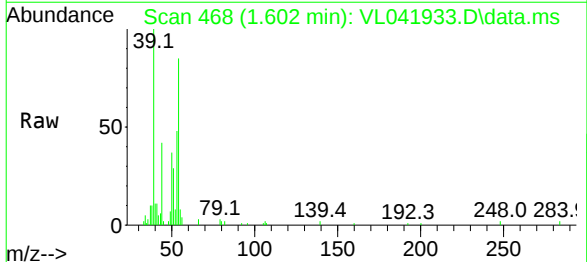
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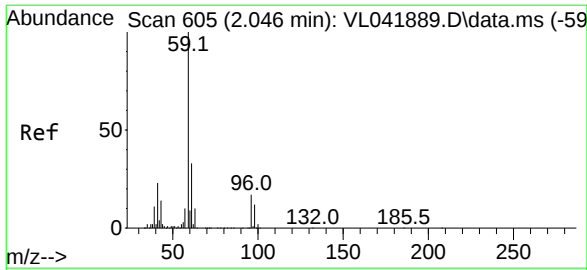
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#16
1,3-Butadiene
Concen: 0.515 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.010 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Tgt Ion: 39 Resp: 3787
Ion Ratio Lower Upper
39 100
54 66.1 61.6 92.4





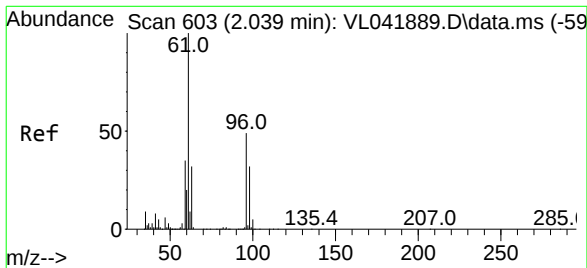
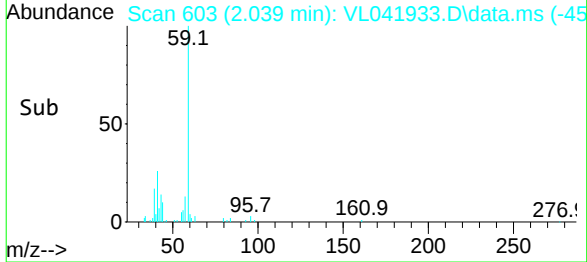
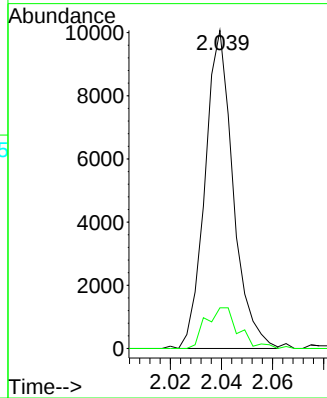
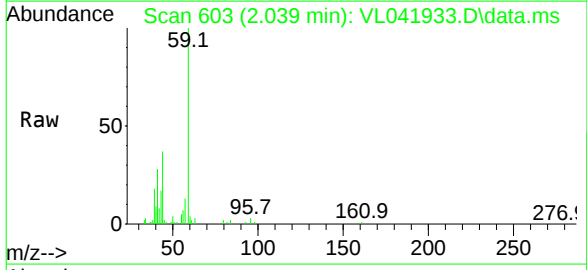
#17
tert-Butyl alcohol
Concen: 0.383 ppbv
RT: 2.039 min Scan# 605
Delta R.T. -0.006 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 59 Resp: 7707
Ion Ratio Lower Upper
59 100
57 15.0 7.8 11.8#

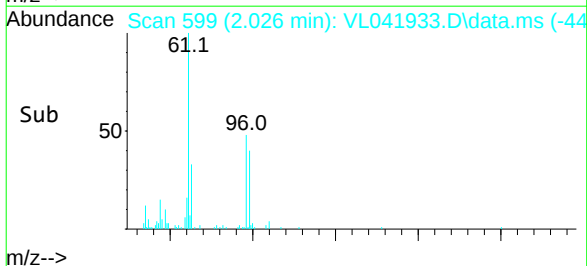
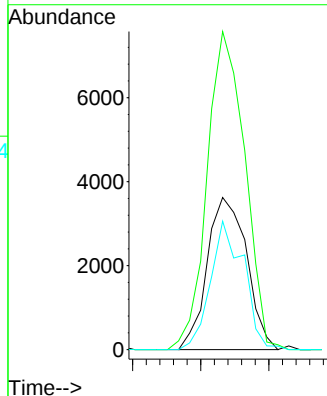
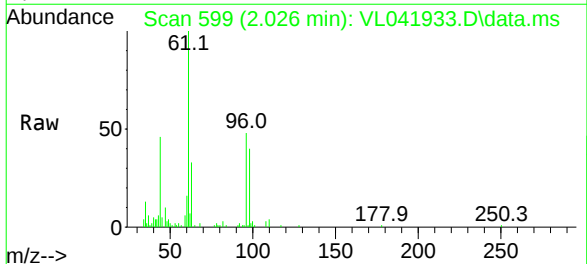
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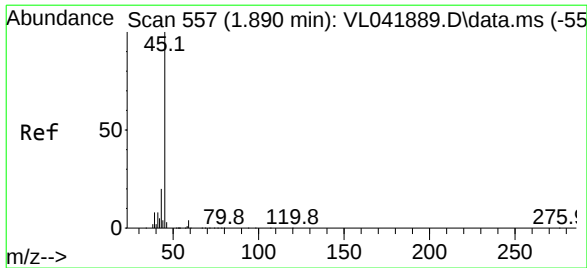
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#18
1,1-Dichloroethene
Concen: 0.427 ppbv
RT: 2.026 min Scan# 599
Delta R.T. -0.013 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Tgt Ion: 96 Resp: 2914
Ion Ratio Lower Upper
96 100
61 205.9 163.1 244.7
98 84.4 52.7 79.1#





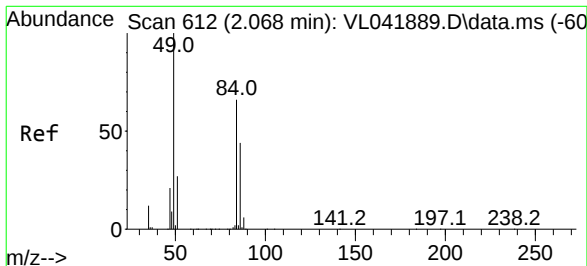
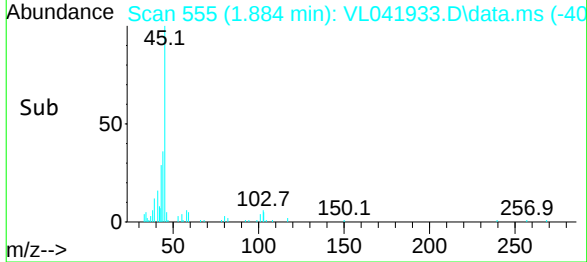
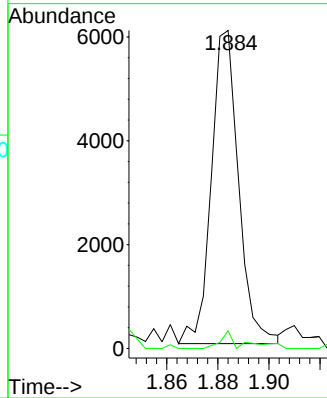
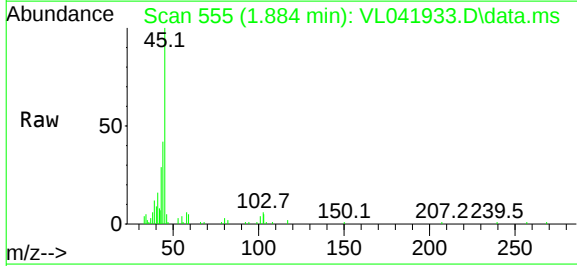
#19
Isopropyl Alcohol
Concen: 0.462 ppbv
RT: 1.884 min Scan# 557
Delta R.T. -0.006 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument : MSVOA_L
ClientSampleId : MDL 0.4

Tgt Ion: 45 Resp: 4486
Ion Ratio Lower Upper
45 100
58 4.3 35.0 52.6#

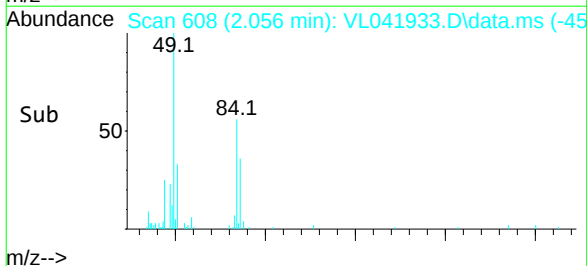
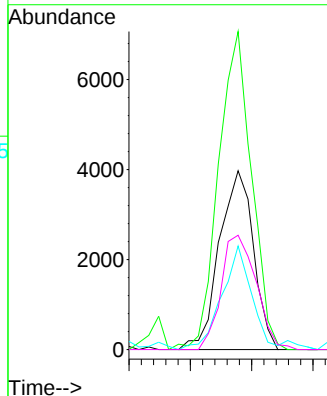
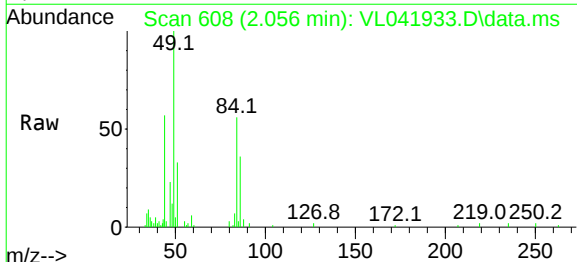
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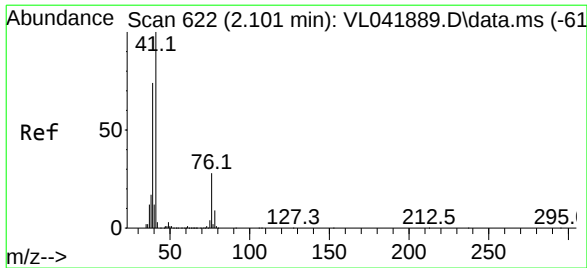
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#20
Methylene Chloride
Concen: 0.476 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.013 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Tgt Ion: 84 Resp: 3078
Ion Ratio Lower Upper
84 100
49 174.9 123.1 184.7
51 57.9 35.8 53.8#
86 64.0 53.7 80.5





#21

Allyl Chloride

Concen: 0.427 ppbv

RT: 2.088 min Scan# 61

Delta R.T. -0.013 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Instrument :

MSVOA_L

ClientSampleId :

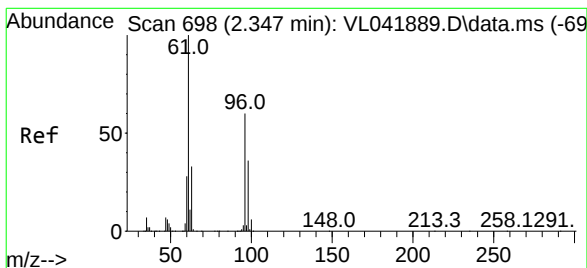
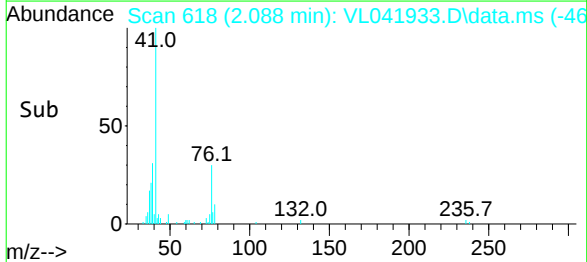
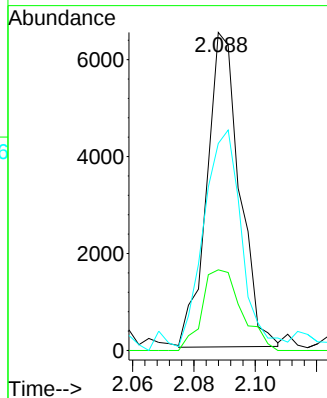
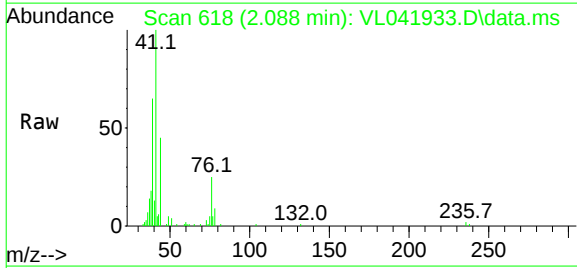
MDL 0.4

Tgt Ion: 41	Resp: 4844
Ion Ratio	Lower Upper
41 100	
76 30.8	24.2 36.4
39 93.4	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: 0.441 ppbv

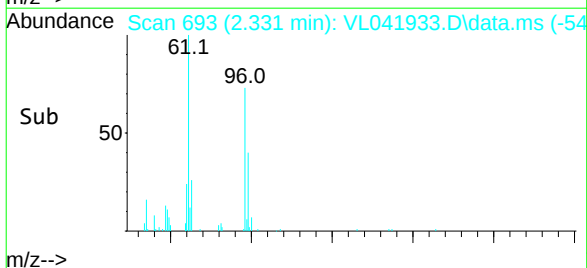
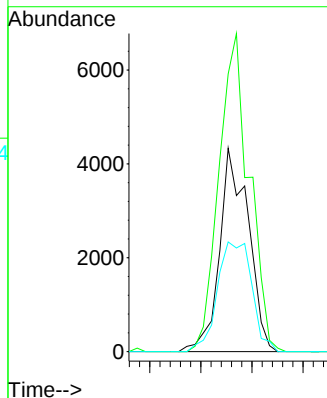
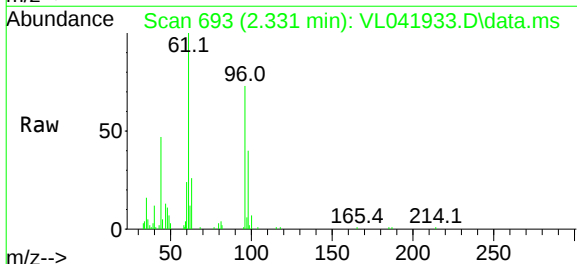
RT: 2.331 min Scan# 693

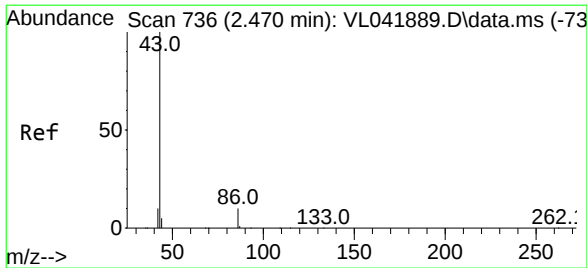
Delta R.T. -0.016 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

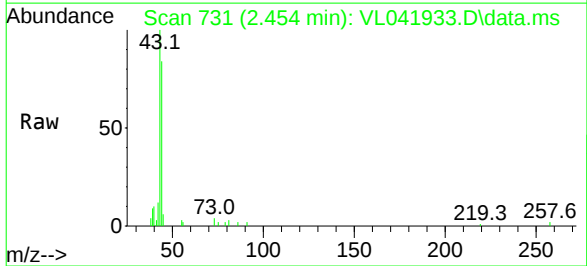
Tgt Ion: 96	Resp: 3394
Ion Ratio	Lower Upper
96 100	
61 136.5	134.5 201.7
98 56.6	48.9 73.3





#23
 Vinyl Acetate
 Concen: 0.373 ppbv
 RT: 2.454 min Scan# 736
 Delta R.T. -0.016 min
 Lab File: VL041933.D
 Acq: 20 Jan 2025 23:00

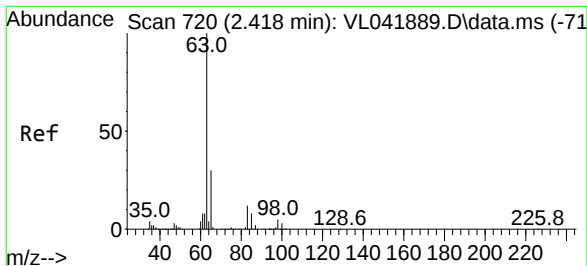
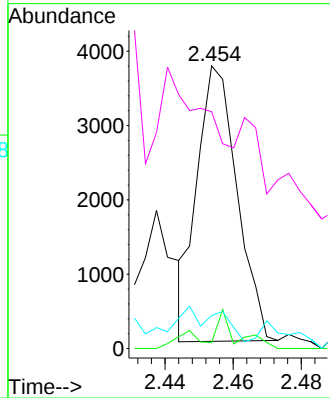
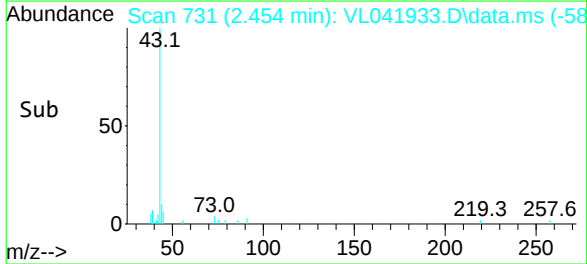
Instrument : MSVOA_L
 ClientSampleId : MDL 0.4



Tgt Ion	Ratio	Lower	Upper
43	100		
86	2.2	6.2	9.4#
42	6.3	8.5	12.7#
44	24.9	4.8	7.2#

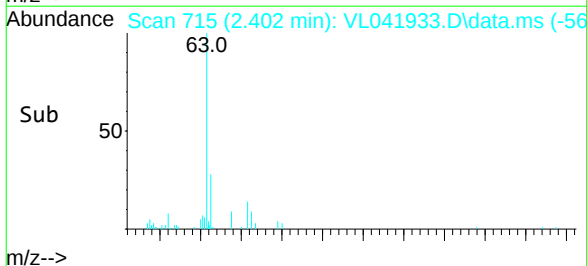
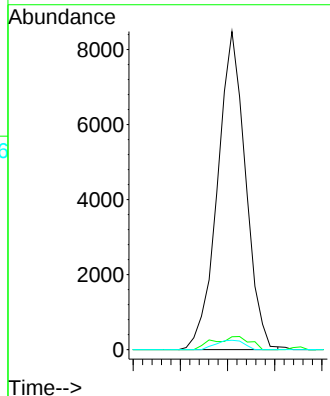
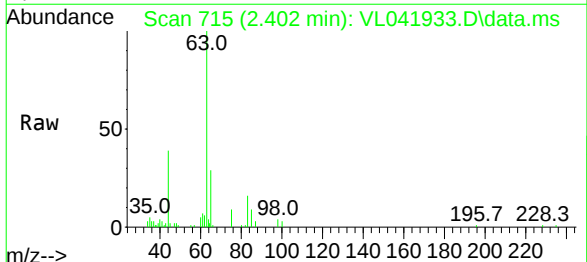
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

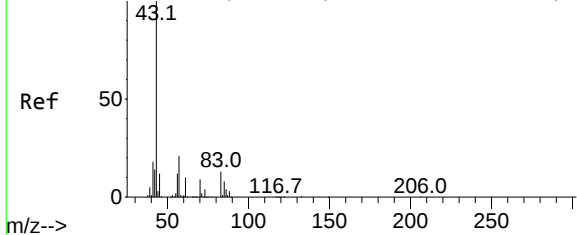


#24
 1,1-Dichloroethane
 Concen: 0.470 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. -0.016 min
 Lab File: VL041933.D
 Acq: 20 Jan 2025 23:00

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.6	7.8
100	2.9	1.4	4.2



Abundance Scan 852 (2.845 min): VL041889.D\data.ms (-83



#25

Ethyl Acetate

Concen: 0.404 ppbv m

RT: 2.832 min Scan# 84

Delta R.T. -0.013 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

Tgt Ion: 43 Resp: 17821

Ion Ratio Lower Upper

43 100

45 11.2 8.2 12.2

61 8.3 7.4 11.0

70 8.8 7.0 10.4

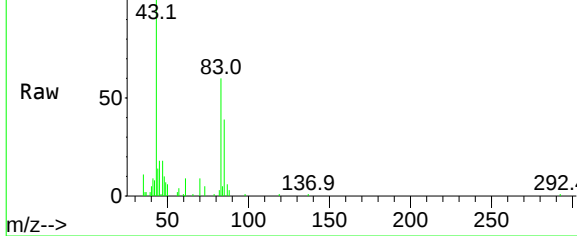
Manual Integrations

APPROVED

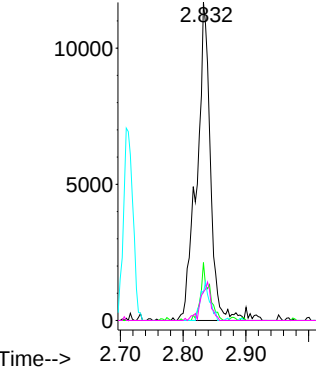
Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025

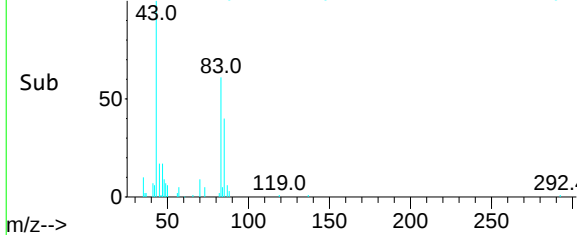
Abundance Scan 848 (2.832 min): VL041933.D\data.ms



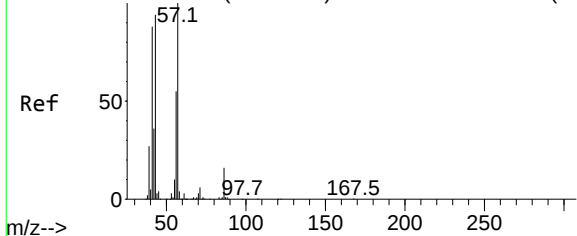
Abundance



Abundance Scan 848 (2.832 min): VL041933.D\data.ms (-69



Abundance Scan 849 (2.835 min): VL041889.D\data.ms (-84



#26

Hexane

Concen: 0.355 ppbv

RT: 2.816 min Scan# 843

Delta R.T. -0.019 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Tgt Ion: 57 Resp: 6200

Ion Ratio Lower Upper

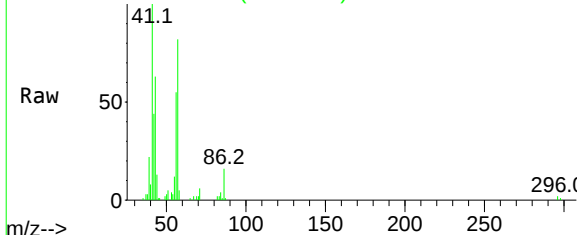
57 100

41 123.3 73.8 110.8#

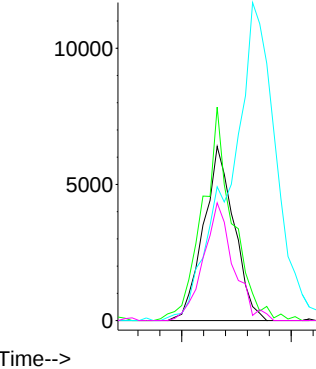
43 282.0 197.3 295.9

56 67.2 42.7 64.1#

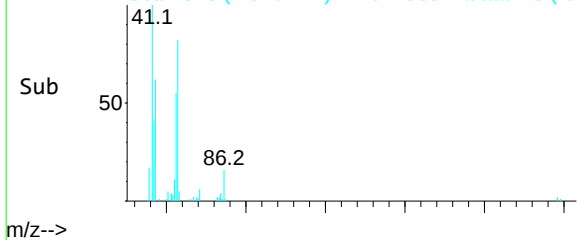
Abundance Scan 843 (2.816 min): VL041933.D\data.ms

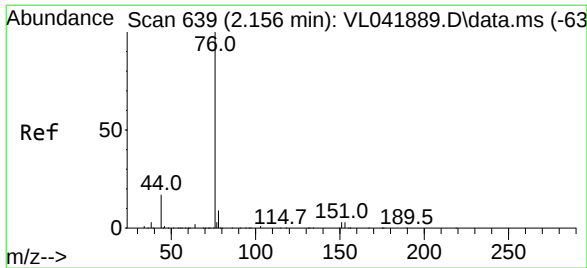


Abundance



Abundance Scan 843 (2.816 min): VL041933.D\data.ms (-69





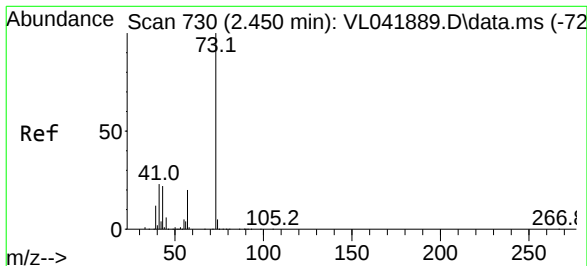
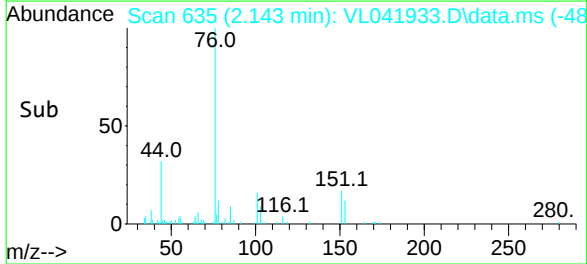
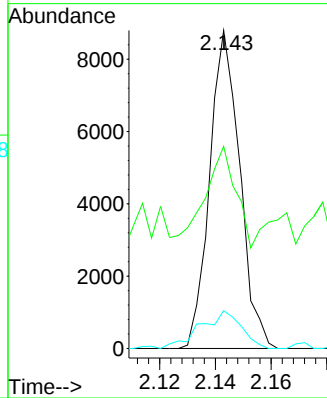
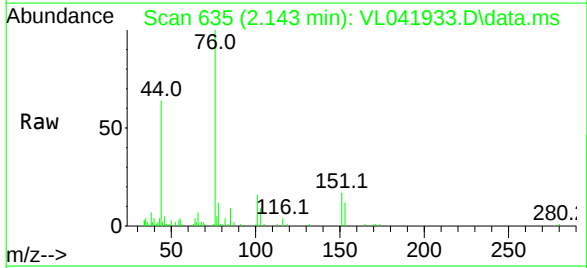
#27
Carbon Disulfide
Concen: 0.382 ppbv
RT: 2.143 min Scan# 639
Delta R.T. -0.013 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument : MSVOA_L
ClientSampleId : MDL 0.4

Tgt Ion: 76 Resp: 6601
Ion Ratio Lower Upper
76 100
44 91.0 15.4 23.0#
78 17.4 9.3 13.9#

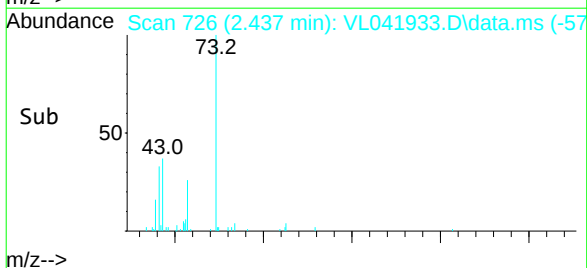
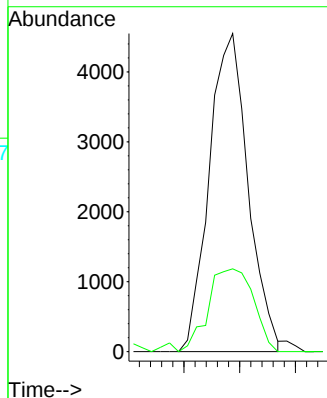
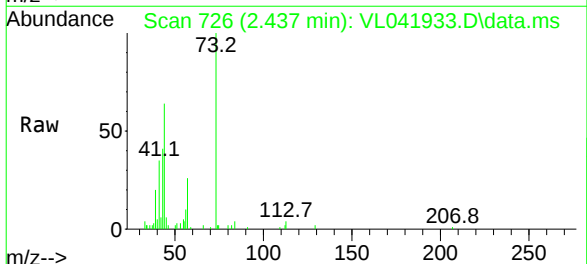
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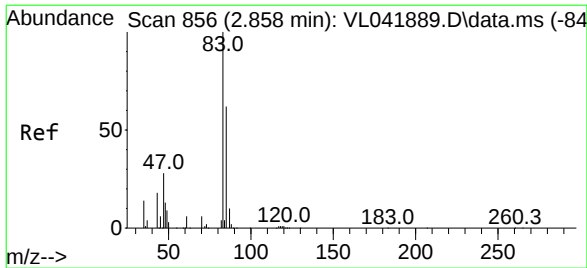
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#28
Methyl tert-Butyl Ether
Concen: 0.330 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.013 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Tgt Ion: 73 Resp: 4405
Ion Ratio Lower Upper
73 100
57 31.9 18.1 27.1#





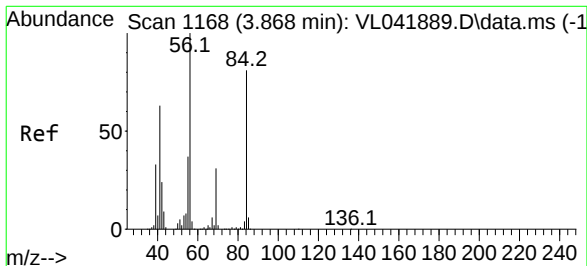
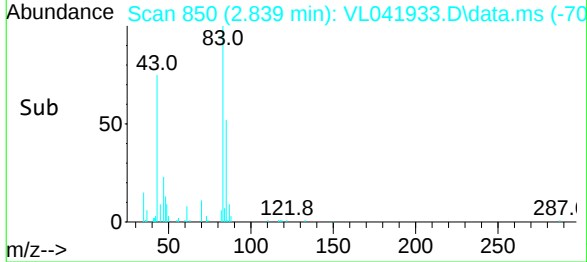
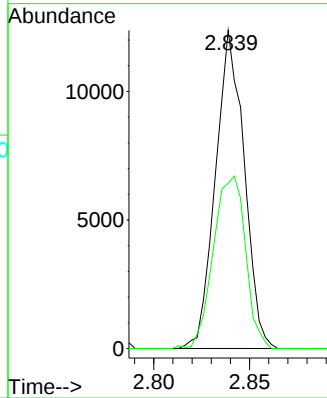
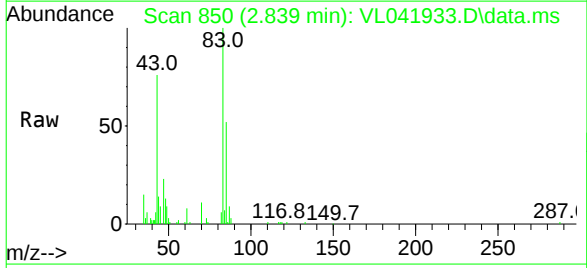
#29
Chloroform
Concen: 0.467 ppbv
RT: 2.839 min Scan# 85
Delta R.T. -0.019 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 83 Resp: 12876
Ion Ratio Lower Upper
83 100
85 51.9 50.1 75.1

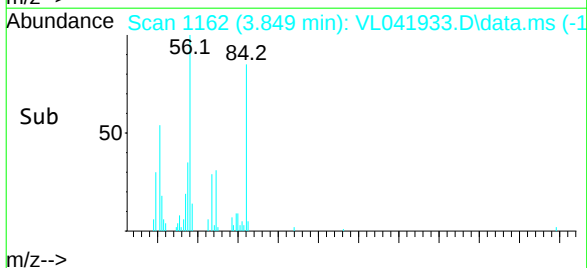
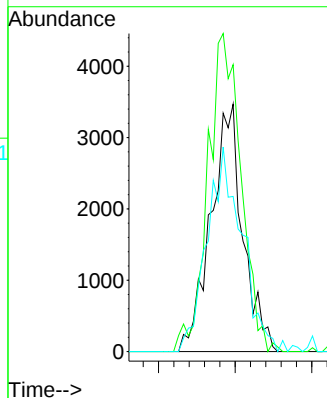
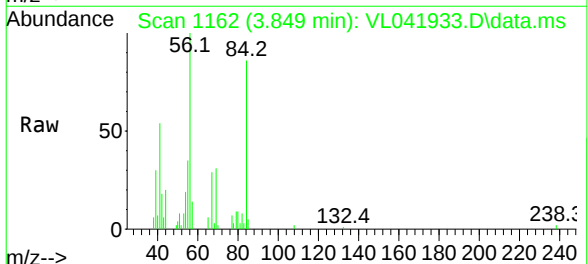
Manual Integrations
APPROVED

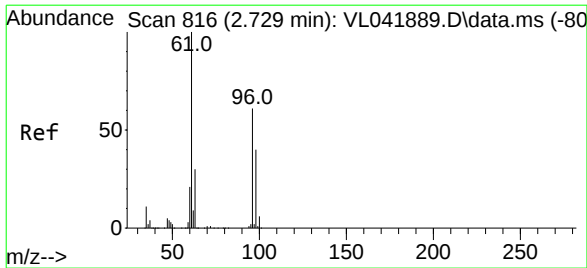
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#30
Cyclohexane
Concen: 0.330 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. -0.019 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

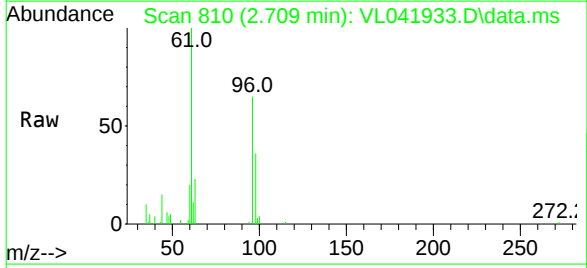
Tgt Ion: 84 Resp: 5001
Ion Ratio Lower Upper
84 100
56 133.8 99.3 148.9
41 92.2 64.3 96.5





#31
cis-1,2-Dichloroethene
Concen: 0.406 ppbv
RT: 2.709 min Scan# 81
Delta R.T. -0.019 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

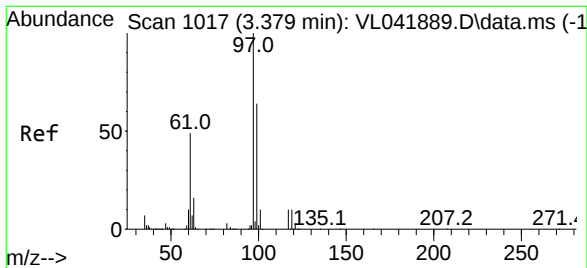
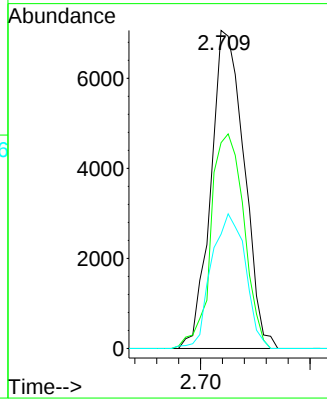
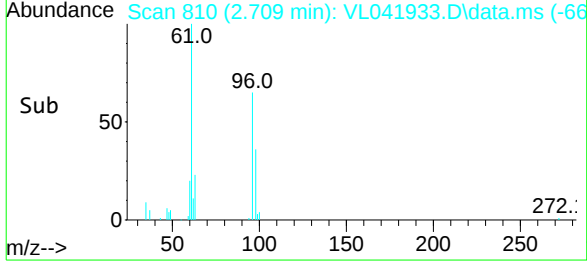
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion: 61 Resp: 7466
Ion Ratio Lower Upper
61 100
96 64.7 48.7 73.1
98 35.9 31.6 47.4

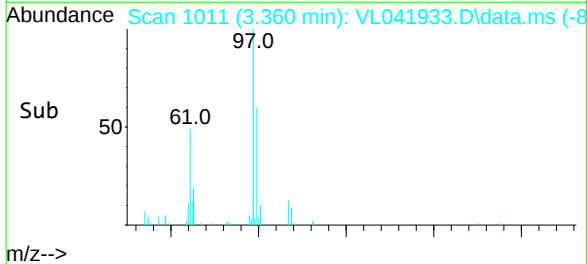
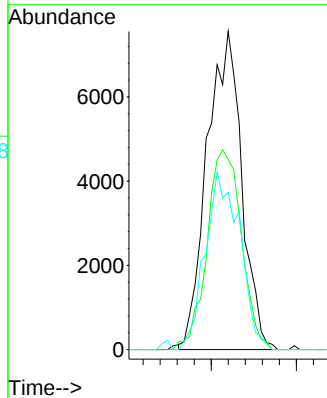
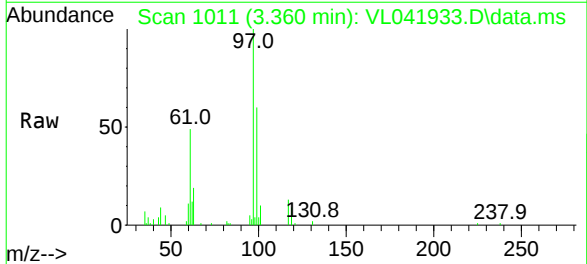
Manual Integrations
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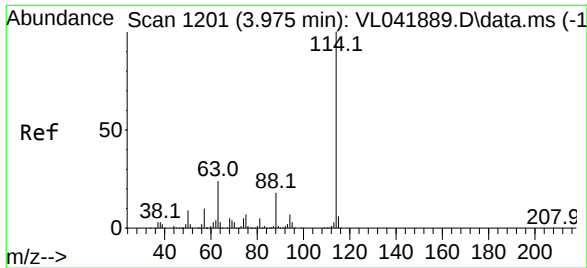
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#32
1,1,1-Trichloroethane
Concen: 0.404 ppbv
RT: 3.360 min Scan# 1011
Delta R.T. -0.019 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

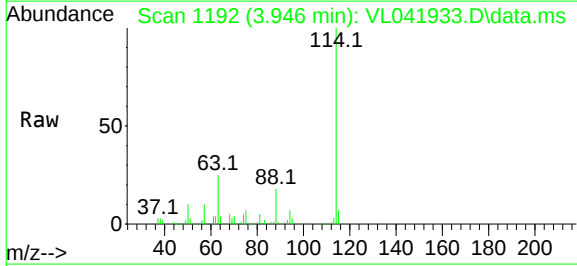
Tgt Ion: 97 Resp: 10678
Ion Ratio Lower Upper
97 100
99 62.3 51.1 76.7
61 56.6 39.0 58.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 111
Delta R.T. -0.029 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

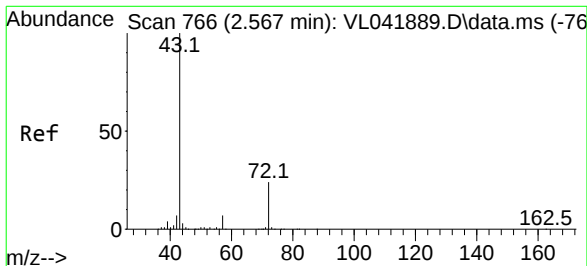
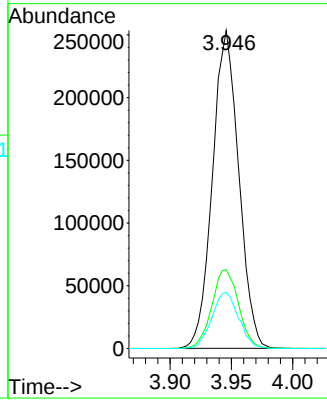
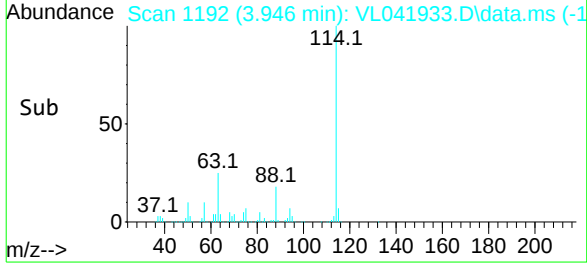
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



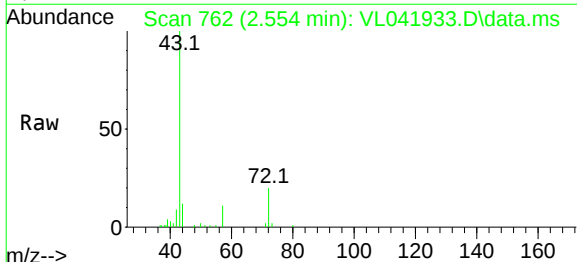
Tgt Ion: 114 Resp: 377622
Ion Ratio Lower Upper
114 100
63 25.3 19.8 29.6
88 18.0 14.4 21.6

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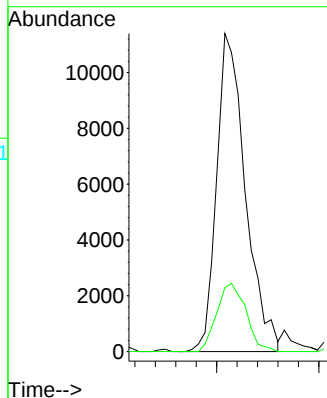
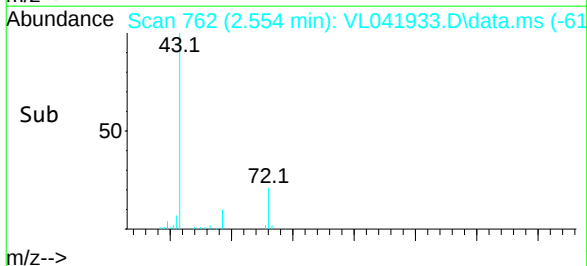
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

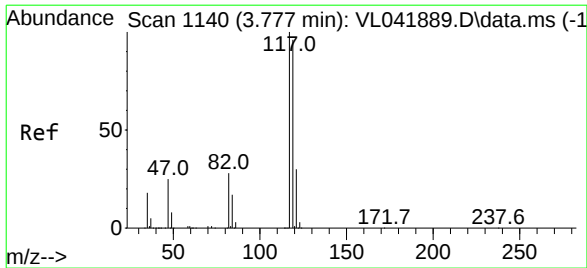


#34
2-Butanone
Concen: 0.464 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.013 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00



Tgt Ion: 43 Resp: 11133
Ion Ratio Lower Upper
43 100
72 21.8 18.6 28.0





#35

Carbon Tetrachloride

Concen: 0.425 ppbv

RT: 3.752 min Scan# 11

Delta R.T. -0.026 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Instrument :

MSVOA_L

ClientSampleId :

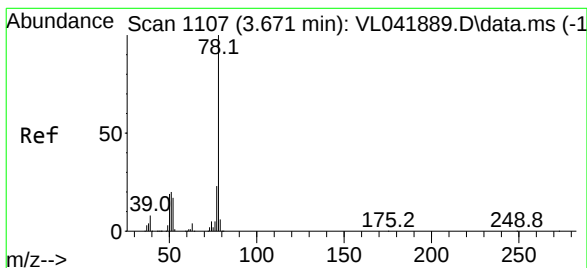
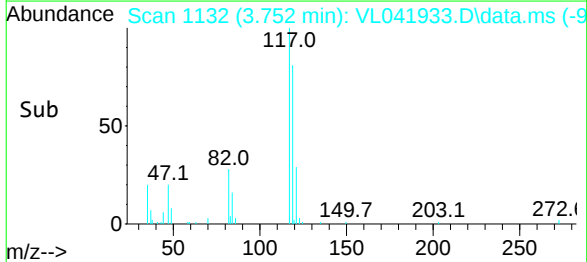
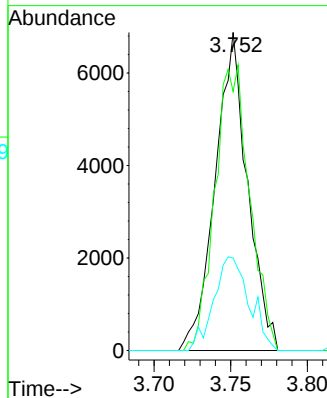
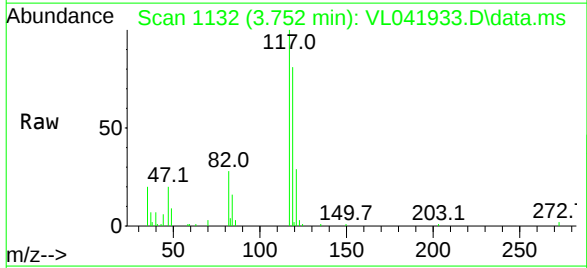
MDL 0.4

Tgt Ion:	117	Resp:	10082
Ion	Ratio	Lower	Upper
117	100		
119	83.2	76.9	115.3
121	29.1	23.8	35.6

Manual Integrations

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



#36

Benzene

Concen: 0.425 ppbv m

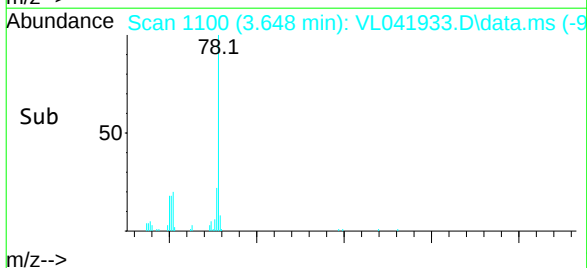
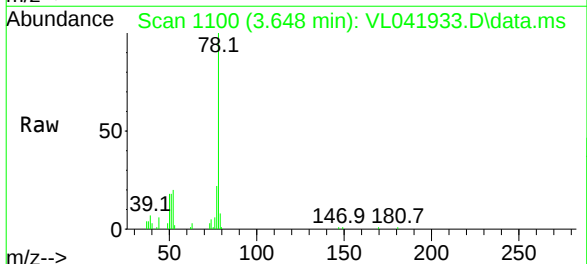
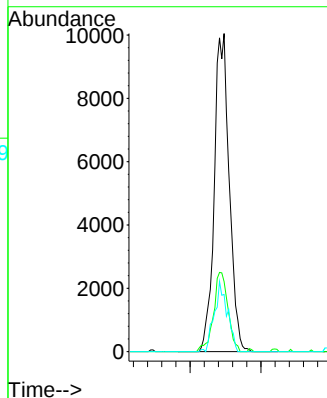
RT: 3.648 min Scan# 1100

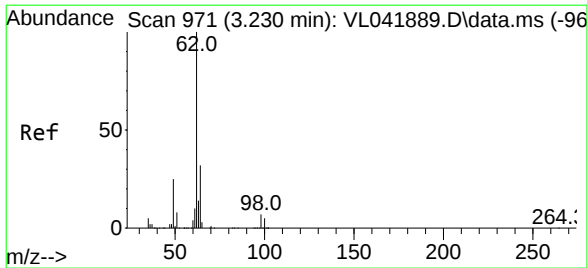
Delta R.T. -0.023 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Tgt Ion:	78	Resp:	14725
Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.1	27.1
50	17.9	15.2	22.8





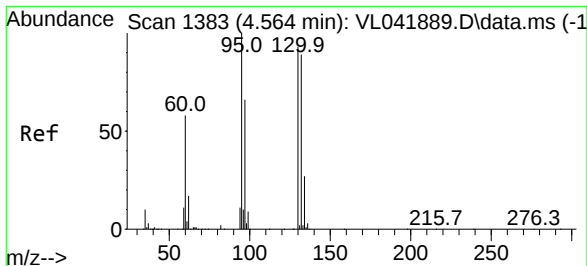
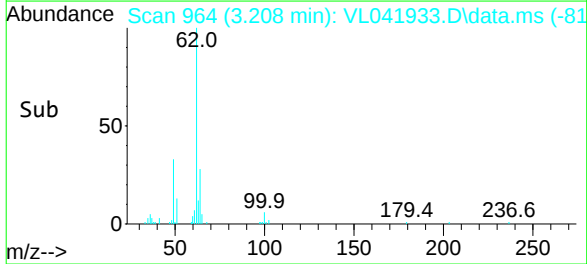
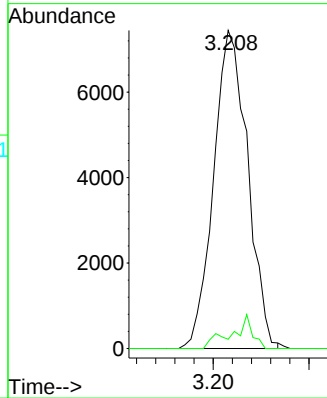
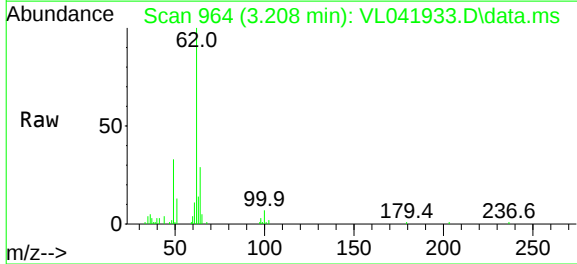
#37
1,2-Dichloroethane
Concen: 0.472 ppbv
RT: 3.208 min Scan# 96
Delta R.T. -0.023 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 62 Resp: 9188
Ion Ratio Lower Upper
62 100
98 6.3 5.4 8.0

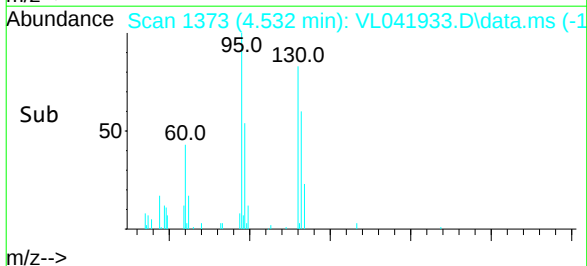
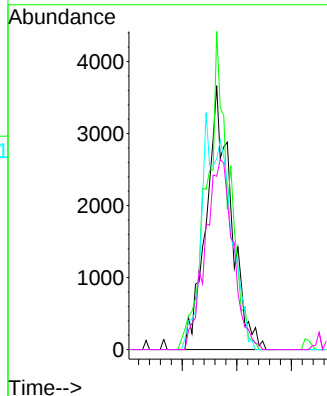
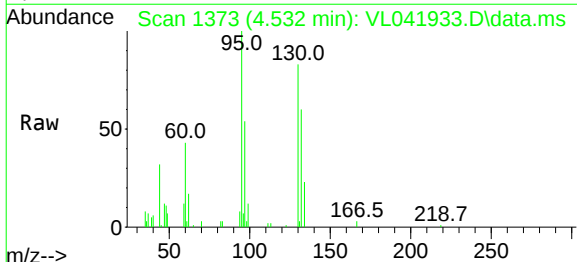
Manual Integrations
APPROVED

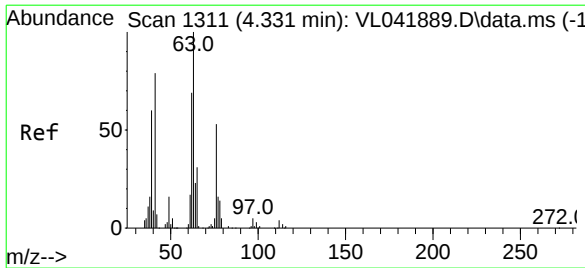
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#38
Trichloroethene
Concen: 0.420 ppbv m
RT: 4.532 min Scan# 1373
Delta R.T. -0.032 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Tgt Ion:130 Resp: 5778
Ion Ratio Lower Upper
130 100
95 120.5 85.8 128.8
132 72.4 76.5 114.7#
97 65.7 56.8 85.2





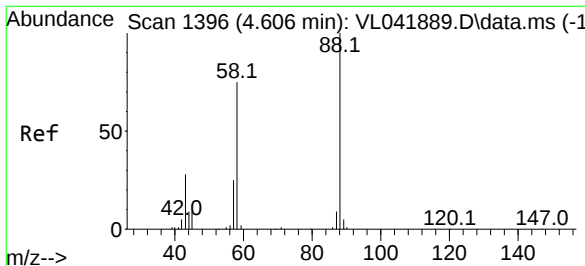
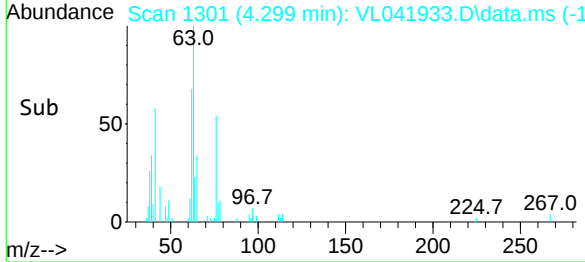
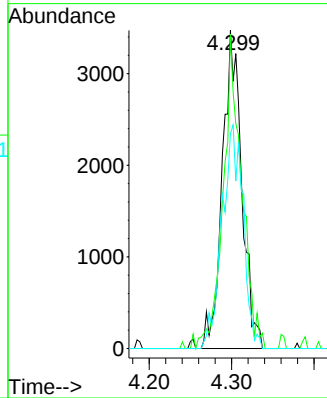
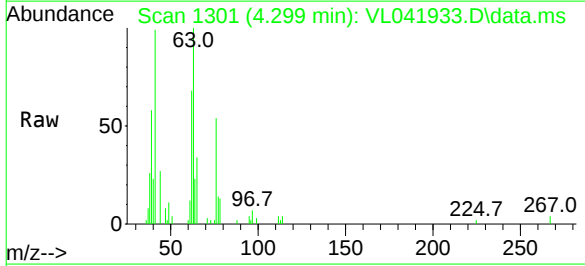
#39
1,2-Dichloropropane
Concen: 0.468 ppbv m
RT: 4.299 min Scan# 1311
Delta R.T. -0.032 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument : MSVOA_L
ClientSampleId : MDL 0.4

Tgt Ion: 63	Resp: 5683
Ion Ratio	Lower Upper
63 100	
41 98.8	63.7 95.5#
62 67.5	55.4 83.2

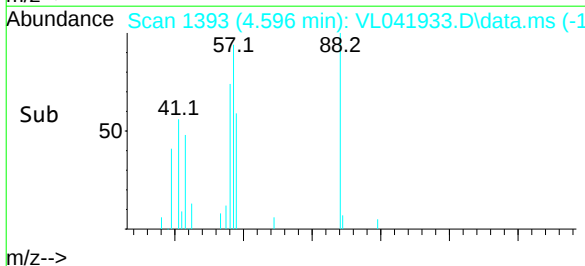
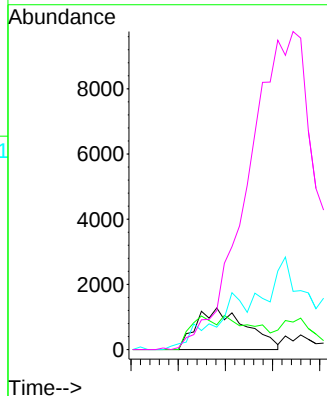
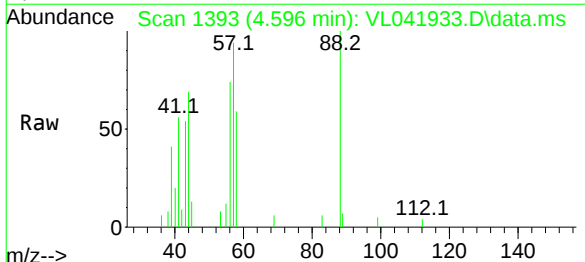
Manual Integrations
APPROVED

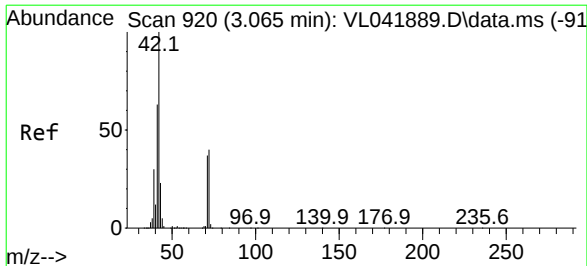
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#40
1,4-Dioxane
Concen: 0.304 ppbv
RT: 4.596 min Scan# 1393
Delta R.T. -0.010 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Tgt Ion: 88	Resp: 1865
Ion Ratio	Lower Upper
88 100	
58 155.7	62.1 93.1#
43 0.0	0.0 0.0
57 0.0	0.0 0.0





#41

Tetrahydrofuran

Concen: 0.409 ppbv m

RT: 3.056 min Scan# 91

Delta R.T. -0.010 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Instrument :

MSVOA_L

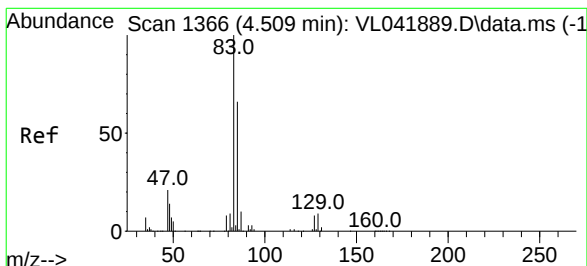
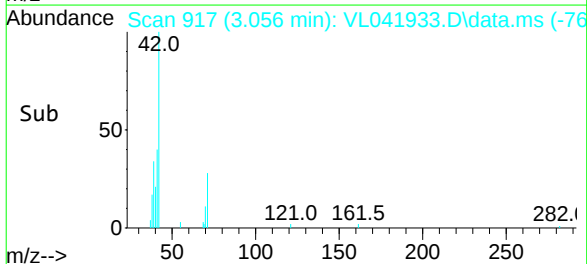
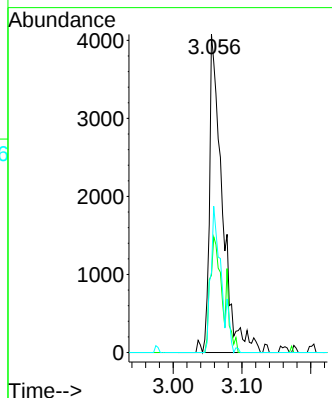
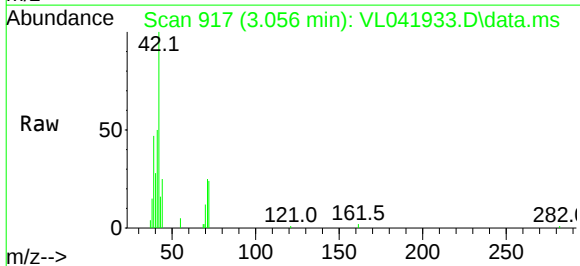
ClientSampleId :

MDL 0.4

Tgt	Ion: 42	Resp: 5333
Ion	Ratio	Lower Upper
42	100	
72	0.0	32.3 48.5#
71	0.0	29.9 44.9#

Manual Integrations
APPROVED

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



#42

Bromodichloromethane

Concen: 0.416 ppbv

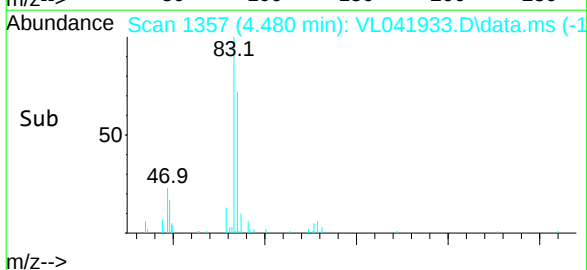
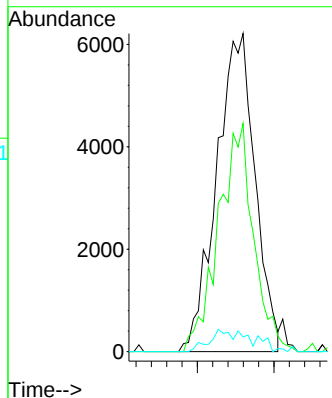
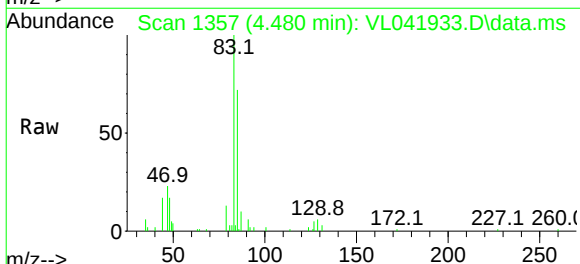
RT: 4.480 min Scan# 1357

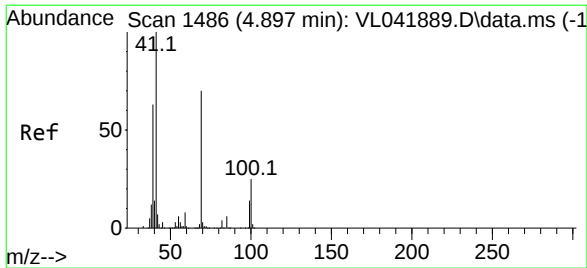
Delta R.T. -0.029 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Tgt	Ion: 83	Resp: 10841
Ion	Ratio	Lower Upper
83	100	
85	71.7	52.6 78.8
127	4.6	6.4 9.6#





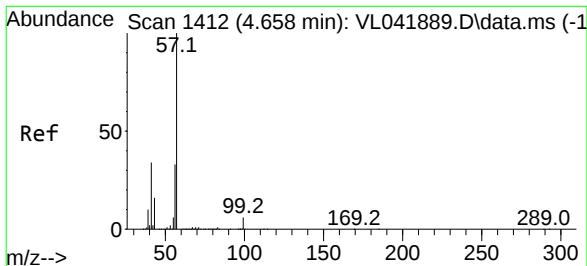
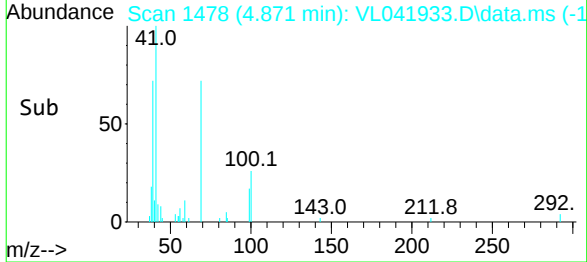
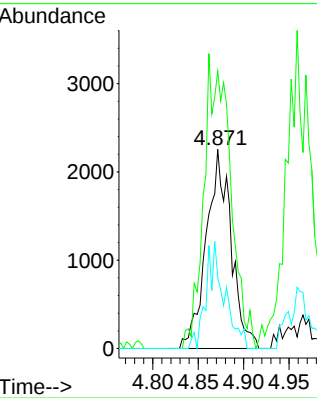
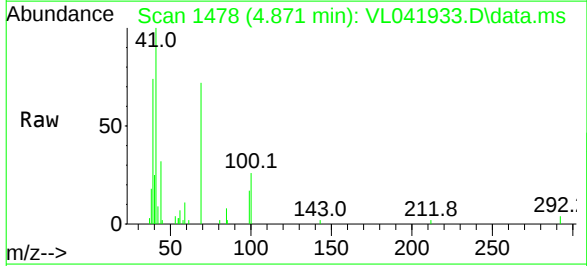
#43
Methyl Methacrylate
Concen: 0.332 ppbv m
RT: 4.871 min Scan# 14
Delta R.T. -0.026 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion	Ratio	Lower	Upper
69	100		
41	157.9	118.6	177.8
100	39.8	29.3	43.9

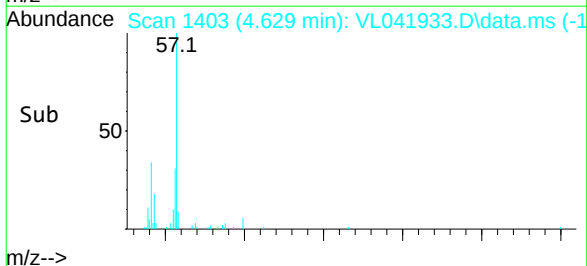
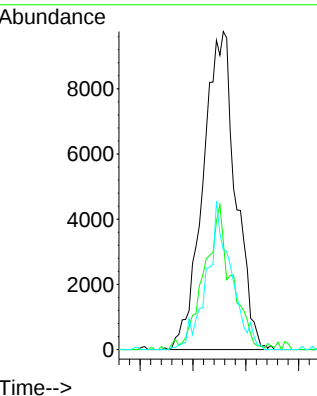
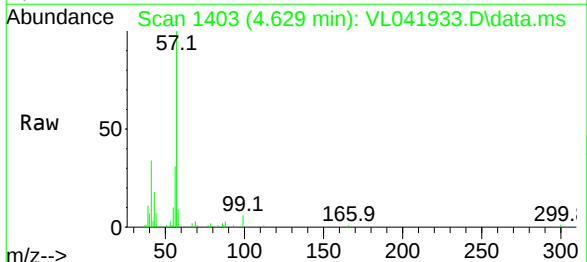
Manual Integrations
APPROVED

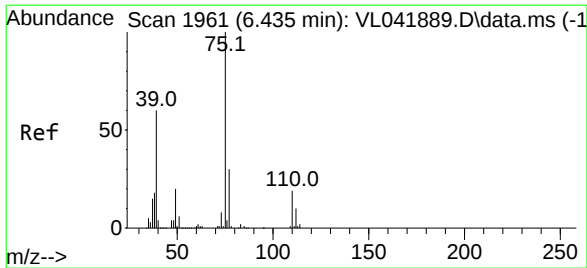
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#44
2,2,4-Trimethylpentane
Concen: 0.375 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.029 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Tgt Ion	Ratio	Lower	Upper
57	100		
41	38.4	26.6	40.0
56	34.7	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 0.306 ppbv m

RT: 6.389 min Scan# 19

Delta R.T. -0.045 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Instrument :

MSVOA_L

ClientSampleId :

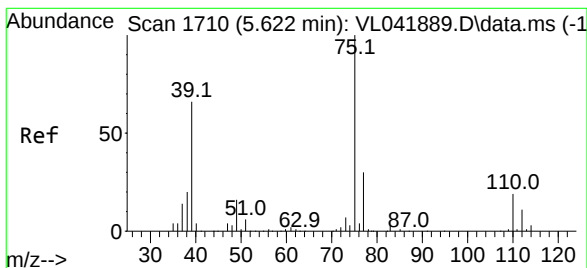
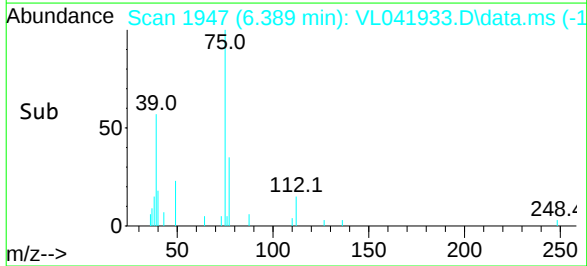
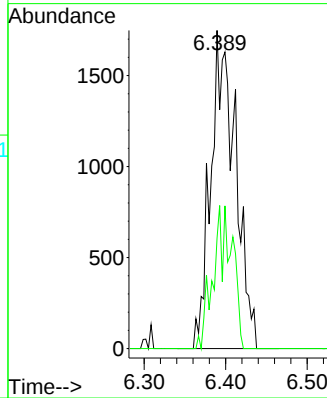
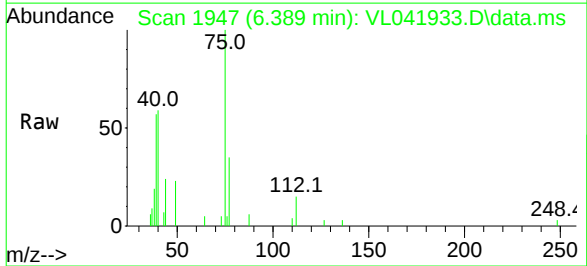
MDL 0.4

Tgt	Ion	Ratio	Lower	Upper
75	75	100		
77	34.7		24.3	36.5

Manual Integrations

APPROVED

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



#46

cis-1,3-Dichloropropene

Concen: 0.346 ppbv m

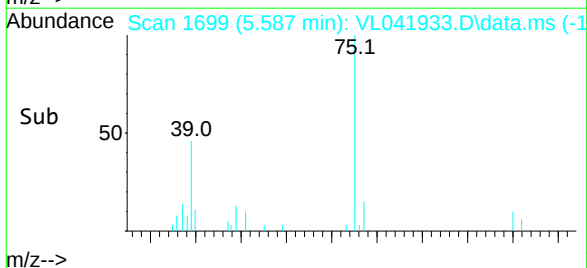
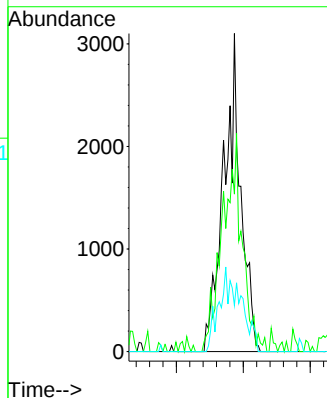
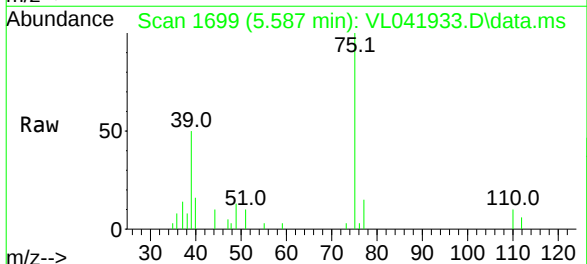
RT: 5.587 min Scan# 1699

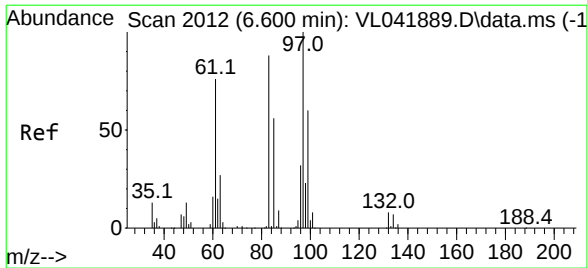
Delta R.T. -0.035 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

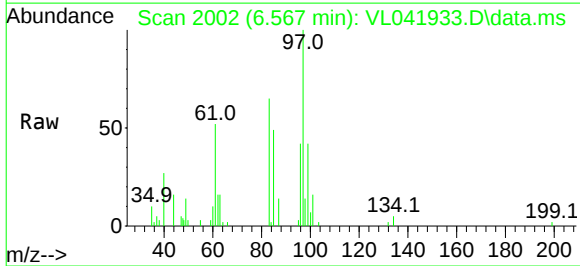
Tgt	Ion	Ratio	Lower	Upper
75	75	100		
39	49.5		53.1	79.7#
77	14.5		23.8	35.8#





#47
1,1,2-Trichloroethane
Concen: 0.493 ppbv m
RT: 6.567 min Scan# 2012
Delta R.T. -0.032 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

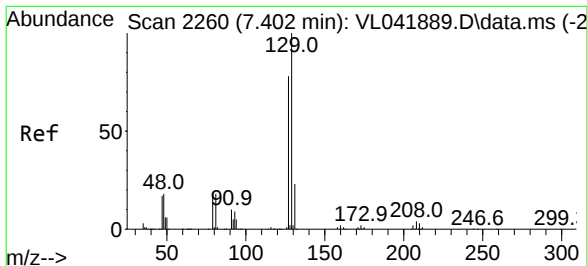
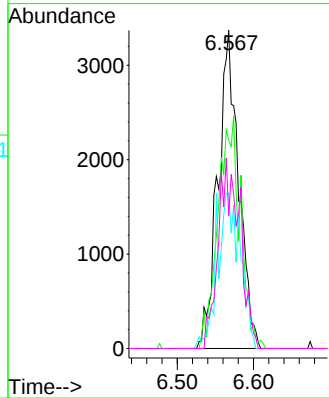
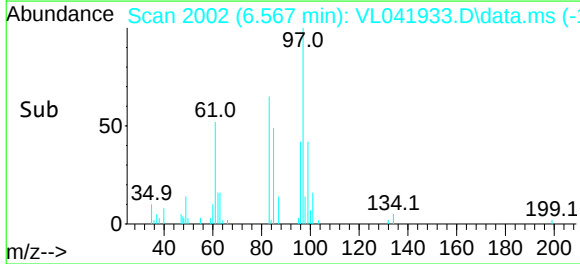
Instrument : MSVOA_L
ClientSampleId : MDL 0.4



Tgt Ion: 97 Resp: 6348
Ion Ratio Lower Upper
97 100
83 65.4 70.4 105.6#
85 48.9 45.0 67.4
99 41.8 48.1 72.1#

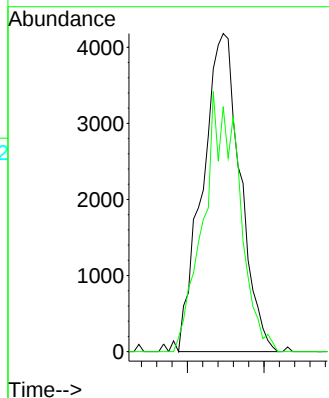
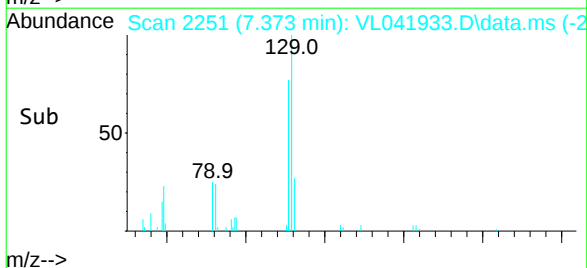
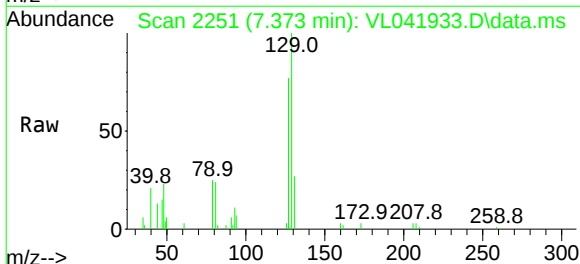
Manual Integrations
APPROVED

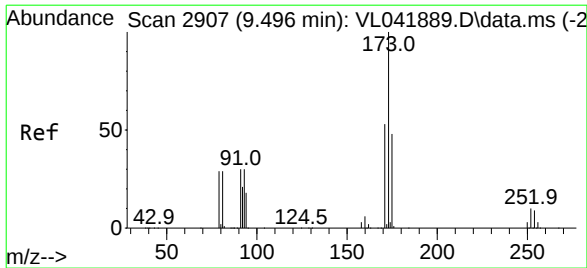
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#48
Dibromochloromethane
Concen: 0.360 ppbv
RT: 7.373 min Scan# 2251
Delta R.T. -0.029 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Tgt Ion:129 Resp: 7155
Ion Ratio Lower Upper
129 100
127 78.0 39.3 117.8





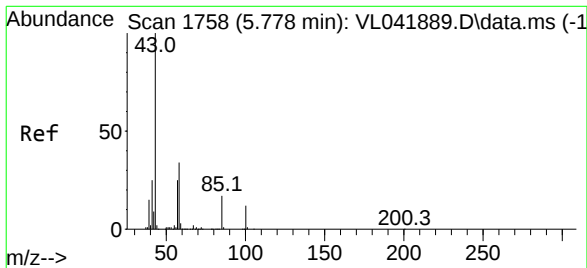
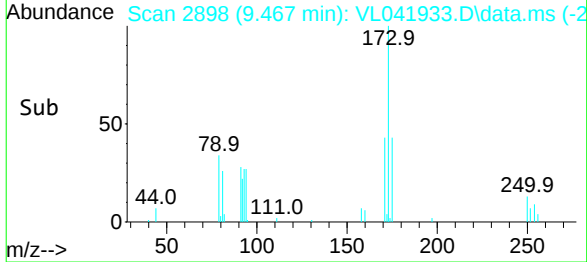
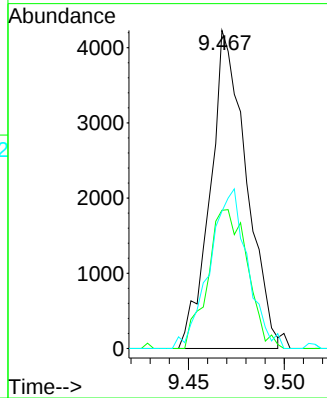
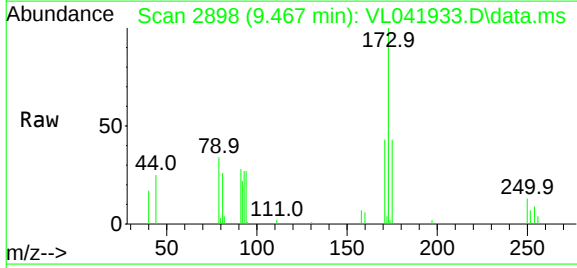
#49
Bromoform
Concen: 0.339 ppbv
RT: 9.467 min Scan# 28
Delta R.T. -0.029 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	38.4	57.6
171	53.3	41.4	62.2

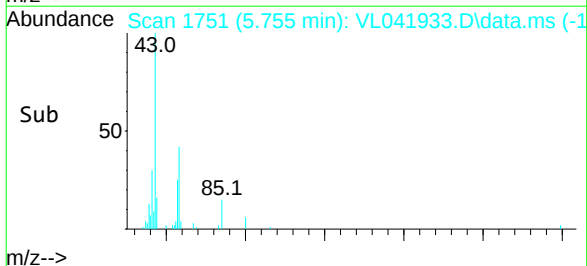
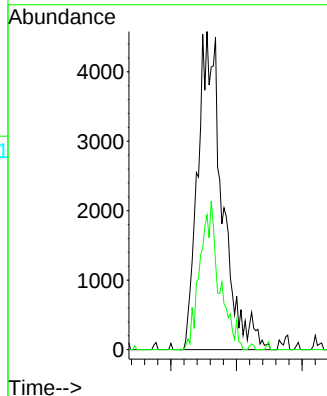
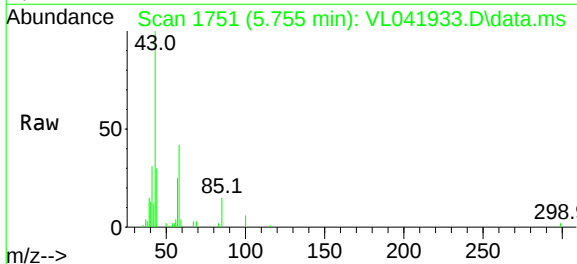
Manual Integrations
APPROVED

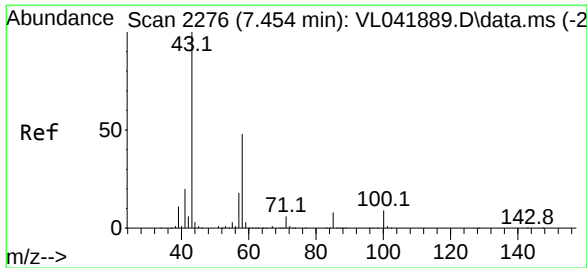
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#50
4-Methyl-2-Pentanone
Concen: 0.365 ppbv m
RT: 5.755 min Scan# 1751
Delta R.T. -0.023 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

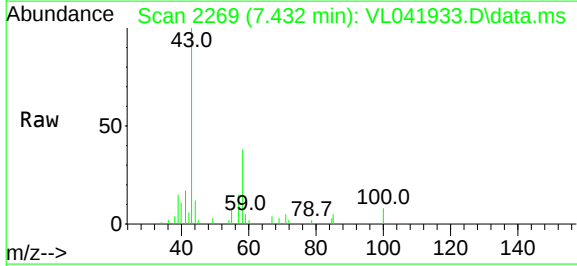
Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.0	43.6





#51
2-Hexanone
Concen: 0.314 ppbv m
RT: 7.432 min Scan# 2276
Delta R.T. -0.023 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

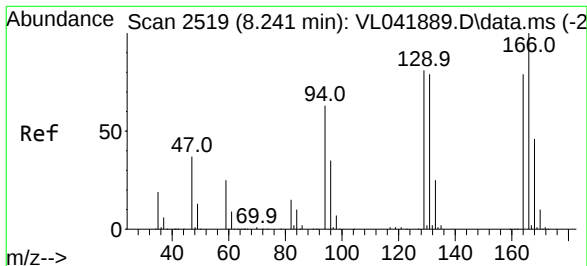
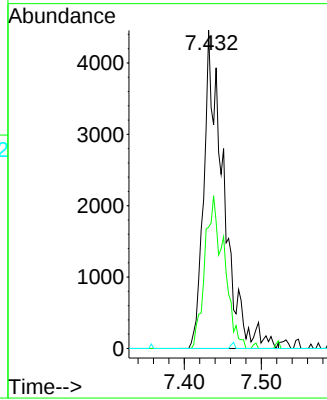
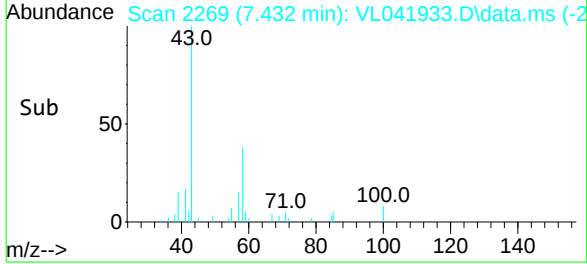
Instrument : MSVOA_L
ClientSampleId :
MDL 0.4



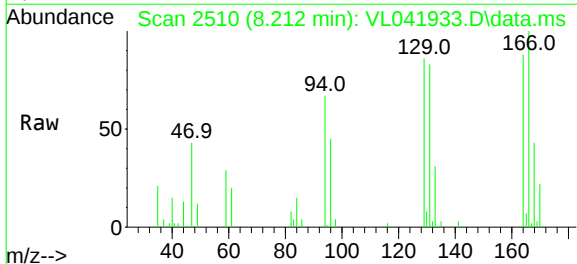
Tgt Ion: 43 Resp: 7904
Ion Ratio Lower Upper
43 100
58 0.0 40.4 60.6#
98 0.0 0.2 0.2#

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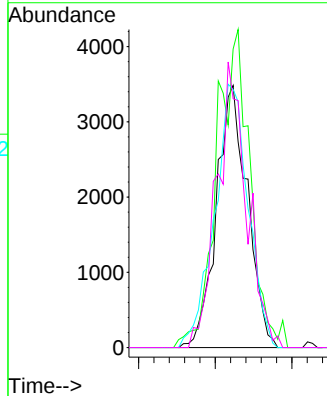
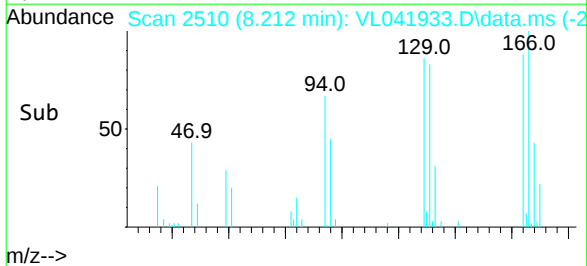
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

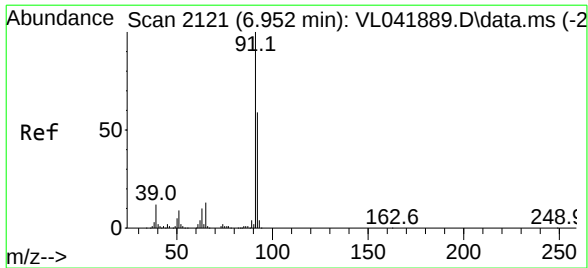


#52
Tetrachloroethene
Concen: 0.408 ppbv
RT: 8.212 min Scan# 2510
Delta R.T. -0.029 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00



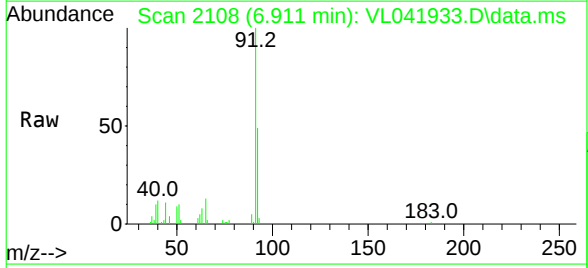
Tgt Ion:164 Resp: 4901
Ion Ratio Lower Upper
164 100
166 110.9 100.8 151.2
129 98.5 82.0 123.0
131 95.0 80.2 120.2





#53
Toluene
Concen: 0.339 ppbv m
RT: 6.911 min Scan# 2118
Delta R.T. -0.042 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

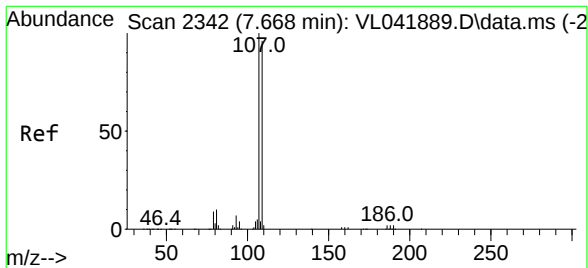
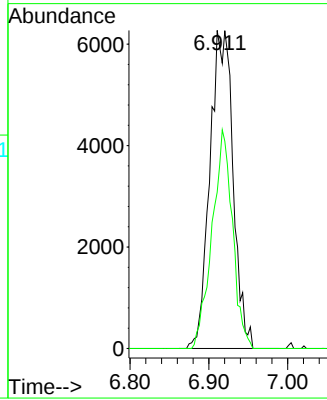
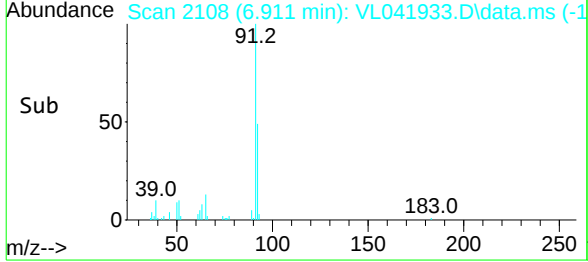
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion: 91 Resp: 12801
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#

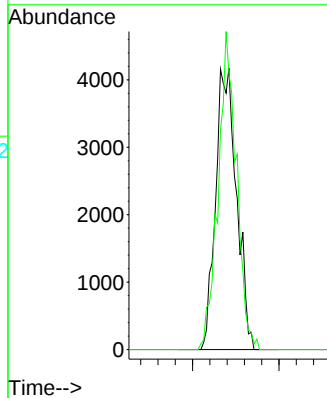
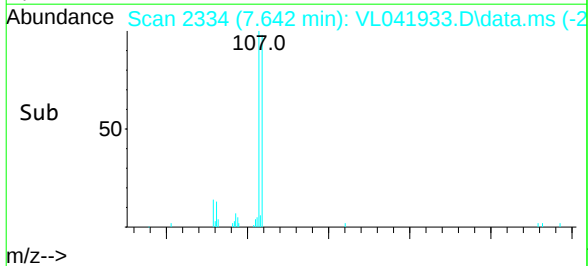
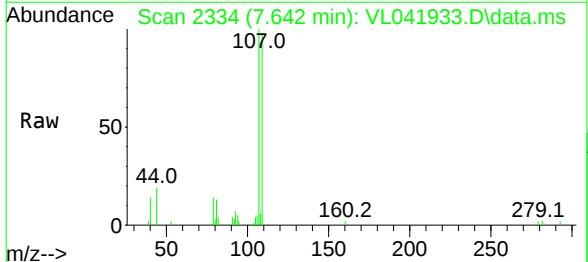
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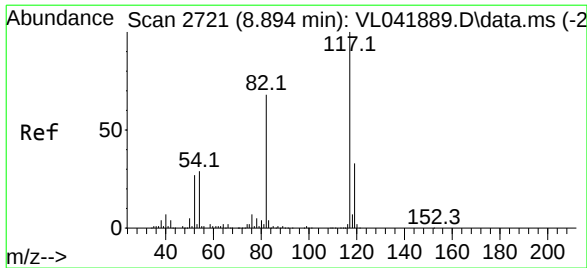
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#54
1,2-Dibromoethane
Concen: 0.397 ppbv m
RT: 7.642 min Scan# 2334
Delta R.T. -0.026 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

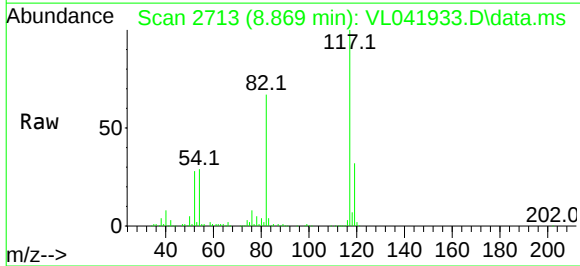
Tgt Ion:107 Resp: 7031
Ion Ratio Lower Upper
107 100
109 98.1 76.7 115.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2721
Delta R.T. -0.026 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

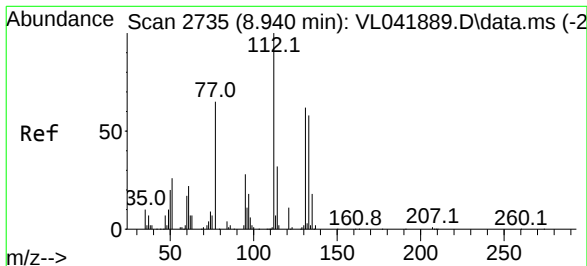
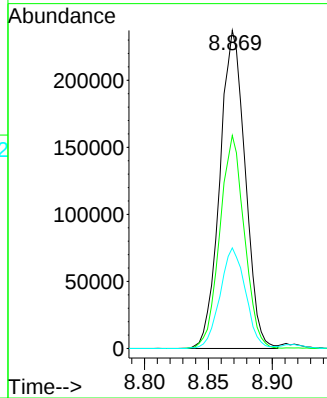
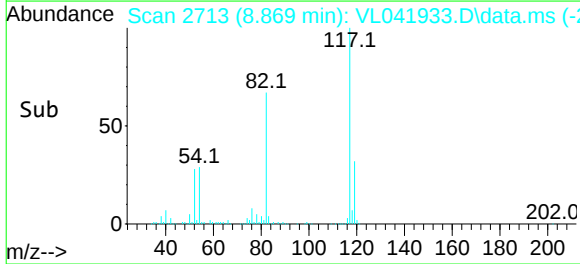
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion:117 Resp: 327592
Ion Ratio Lower Upper
117 100
82 64.9 54.2 81.4
119 32.9 25.0 37.6

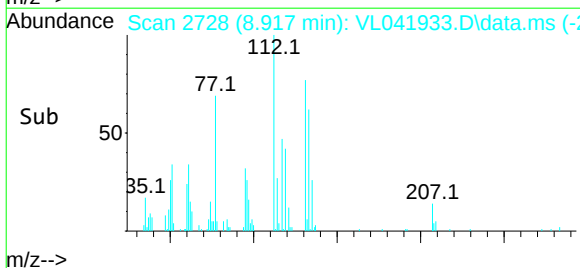
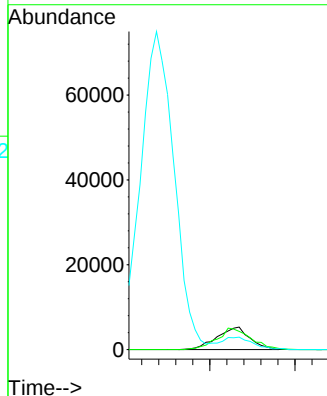
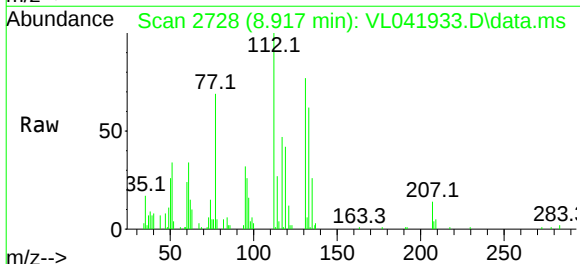
Manual Integrations
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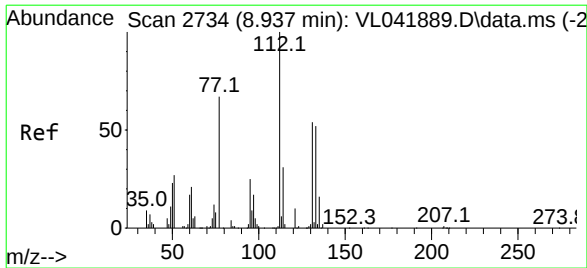
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.433 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.023 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

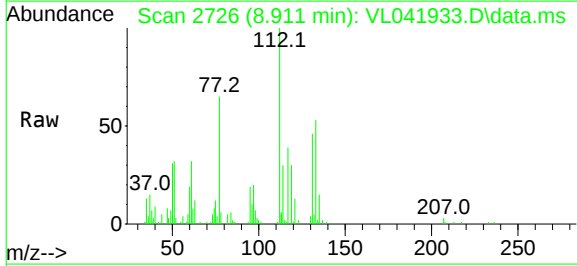
Tgt Ion:131 Resp: 7069
Ion Ratio Lower Upper
131 100
133 98.8 76.0 114.0
119 1522.7 49.7 74.5#





#57
Chlorobenzene
Concen: 0.480 ppbv m
RT: 8.911 min Scan# 2734
Delta R.T. -0.026 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

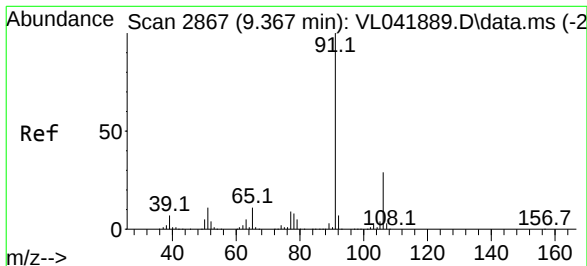
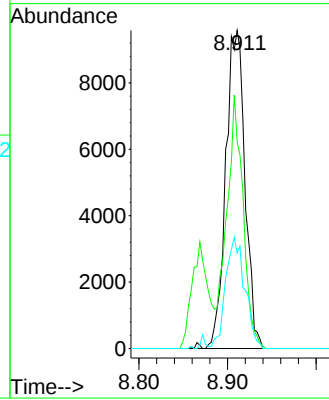
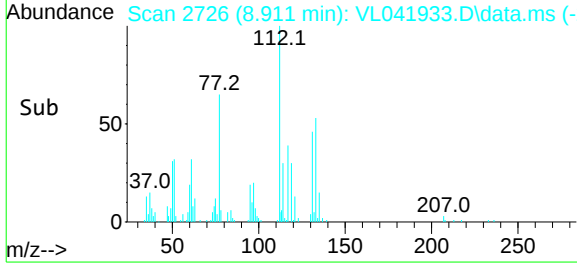
Instrument : MSVOA_L
ClientSampleId : MDL 0.4



Tgt Ion: 112 Resp: 14493
Ion Ratio Lower Upper
112 100
77 65.1 54.6 82.0
114 30.0 28.2 34.4

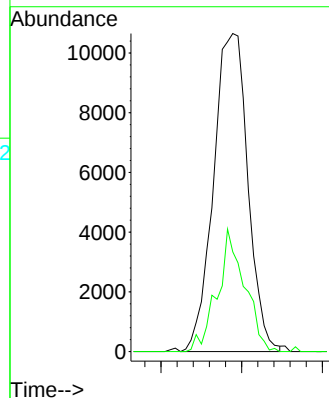
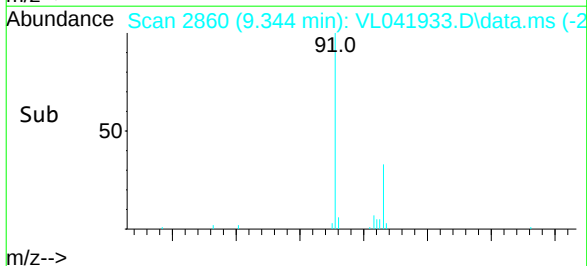
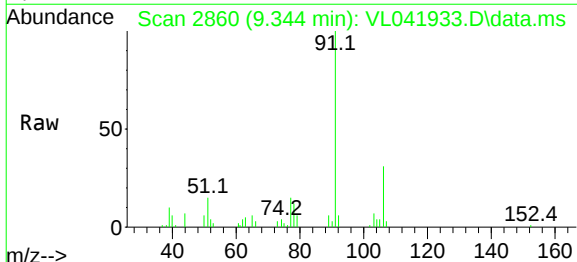
Manual Integrations
APPROVED

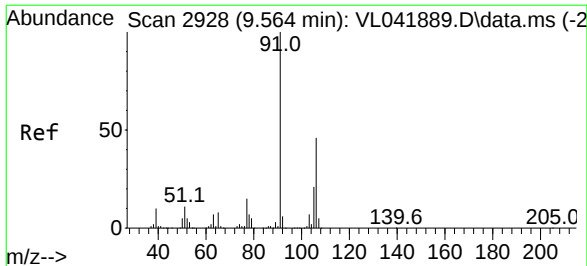
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#58
Ethyl Benzene
Concen: 0.308 ppbv
RT: 9.344 min Scan# 2860
Delta R.T. -0.023 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Tgt Ion: 91 Resp: 15758
Ion Ratio Lower Upper
91 100
106 31.4 23.1 34.7





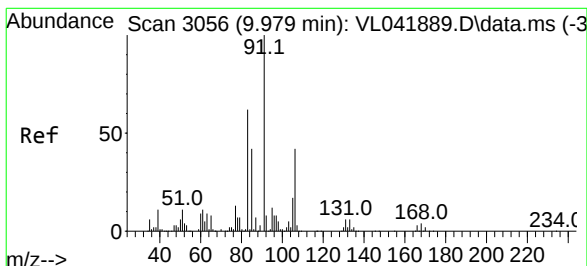
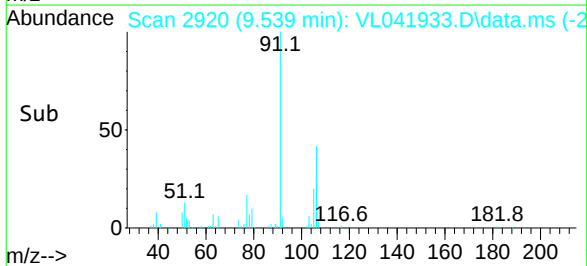
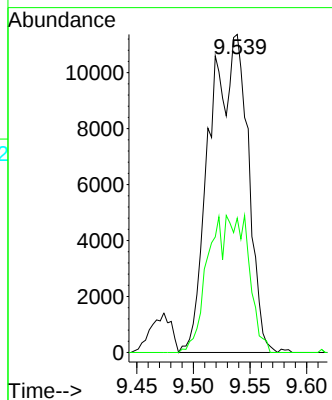
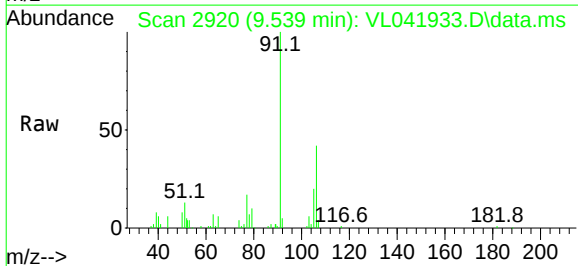
#59
m/p-Xylene
Concen: 0.647 ppbv m
RT: 9.539 min Scan# 29
Delta R.T. -0.026 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 91 Resp: 26546
Ion Ratio Lower Upper
91 100
106 45.6 36.0 54.0

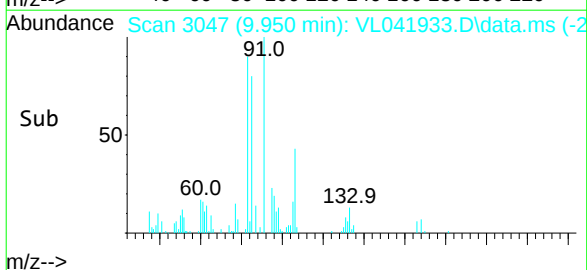
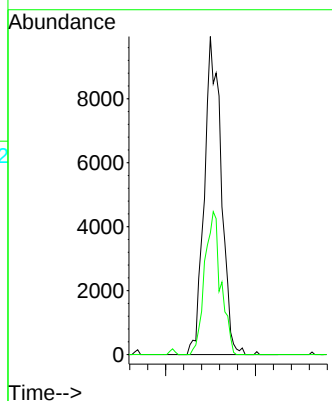
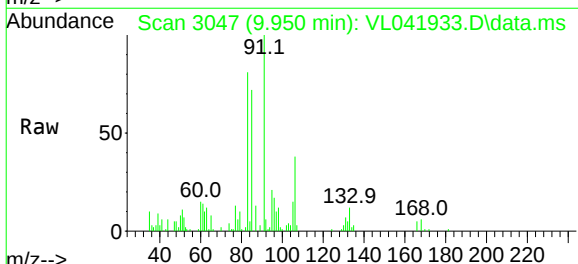
Manual Integrations
APPROVED

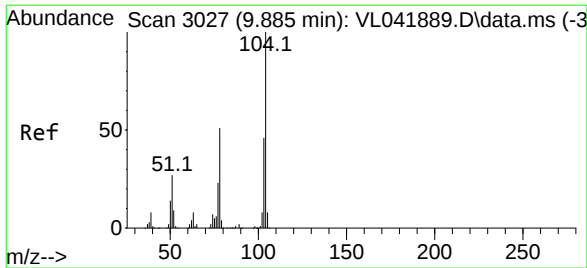
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#60
o-Xylene
Concen: 0.320 ppbv m
RT: 9.950 min Scan# 3047
Delta R.T. -0.029 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Tgt Ion: 91 Resp: 13053
Ion Ratio Lower Upper
91 100
106 0.0 21.3 63.9#





#61

Styrene

Concen: 0.296 ppbv

RT: 9.856 min Scan# 3027

Delta R.T. -0.029 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Instrument :

MSVOA_L

ClientSampleId :

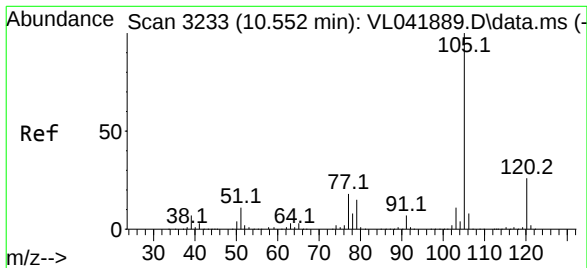
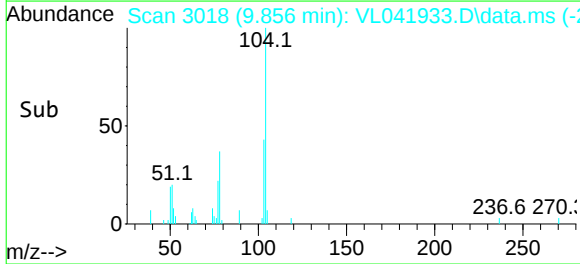
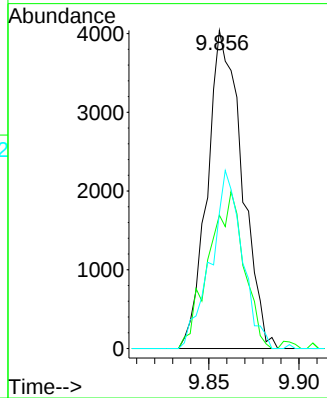
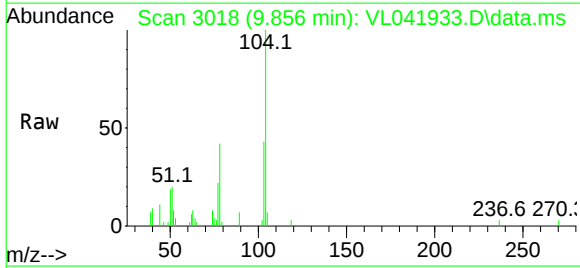
MDL 0.4

Tgt Ion:	104	Resp:	5402
Ion Ratio	Lower	Upper	
104	100		
78	51.0	41.0	61.6
103	50.7	37.2	55.8

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 0.352 ppbv

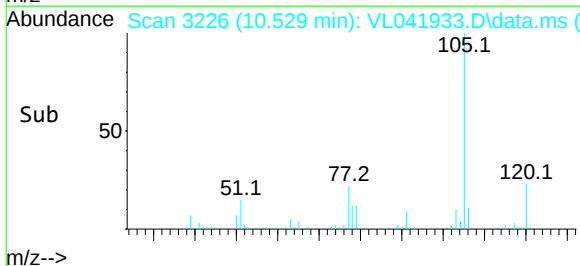
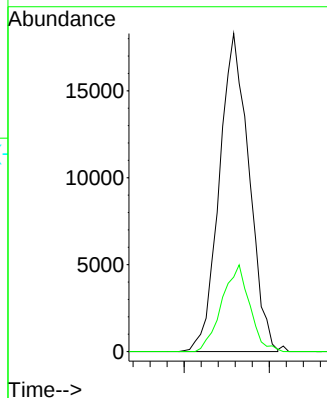
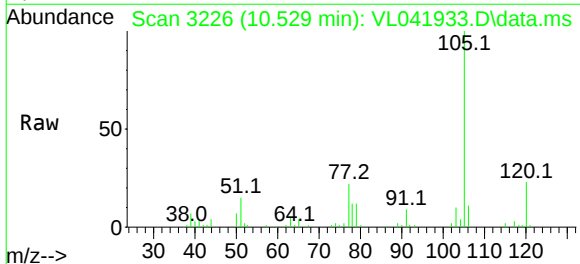
RT: 10.529 min Scan# 3226

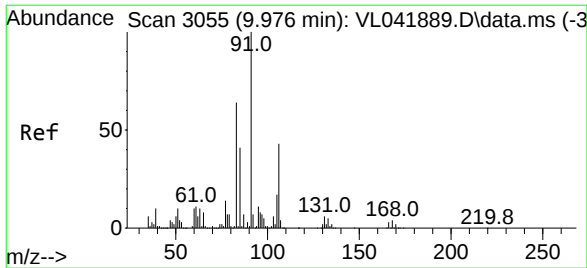
Delta R.T. -0.023 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

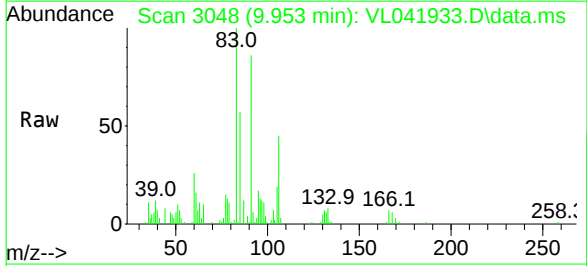
Tgt Ion:	105	Resp:	22156
Ion Ratio	Lower	Upper	
105	100		
120	25.6	20.3	30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 0.479 ppbv
RT: 9.953 min Scan# 3055
Delta R.T. -0.023 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

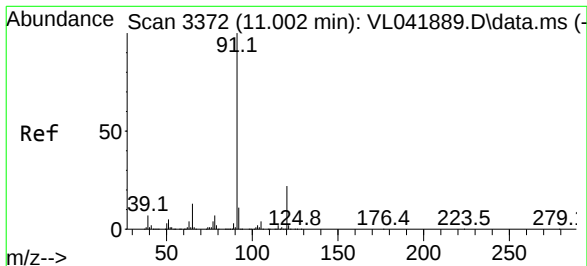
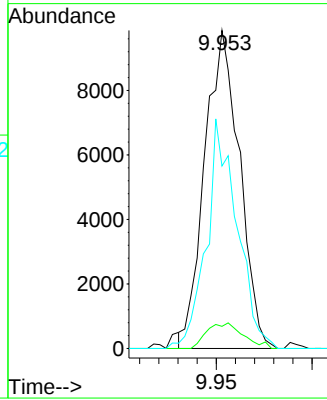
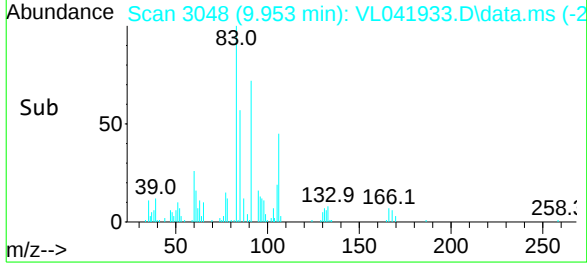
Instrument : MSVOA_L
ClientSampleId : MDL 0.4



Tgt Ion:	83	Resp:	12465
Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.8	14.4
85	63.2	32.4	97.2

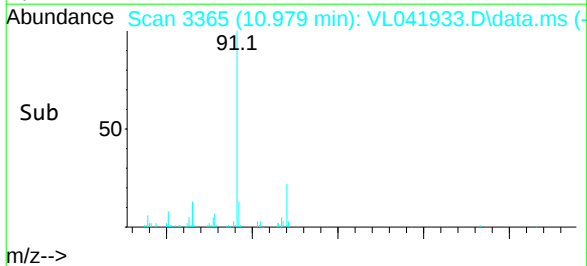
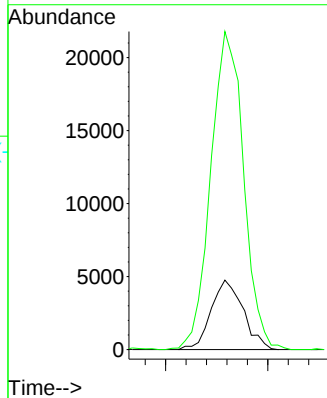
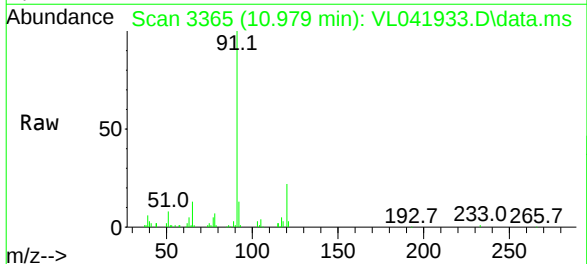
Manual Integrations
APPROVED

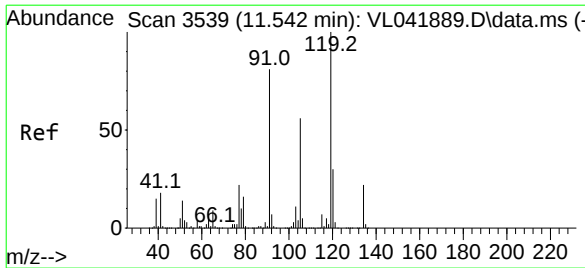
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#64
n-propylbenzene
Concen: 0.326 ppbv
RT: 10.979 min Scan# 3365
Delta R.T. -0.023 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Tgt Ion:	120	Resp:	5193
Ion	Ratio	Lower	Upper
120	100		
91	468.3	374.1	561.1





#65

tert-Butylbenzene

Concen: 0.296 ppbv

RT: 11.523 min Scan# 3539

Delta R.T. -0.019 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Instrument :

MSVOA_L

ClientSampleId :

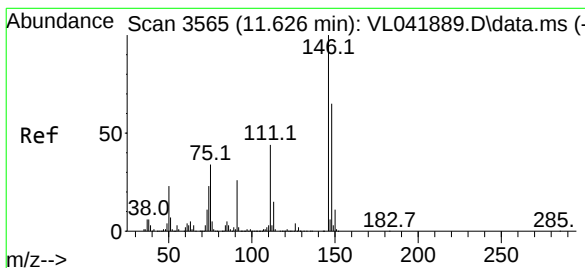
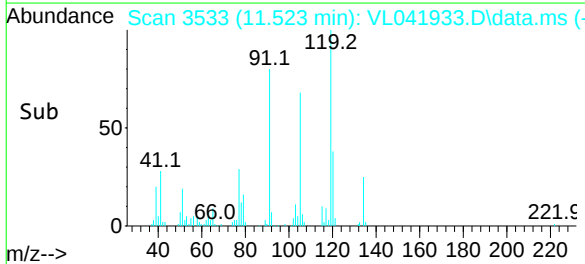
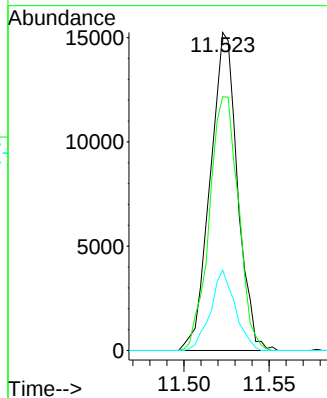
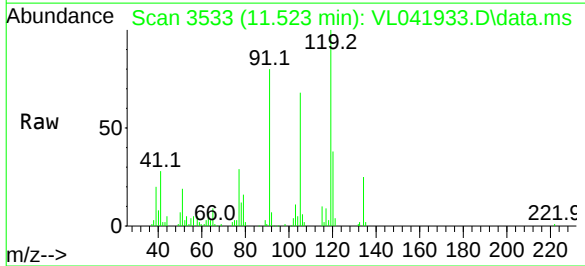
MDL 0.4

Tgt Ion:	119	Resp:	17019
Ion	Ratio	Lower	Upper
119	100		
91	84.8	64.6	97.0
134	22.8	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: 0.294 ppbv m

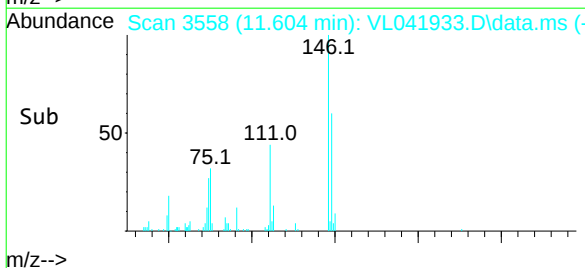
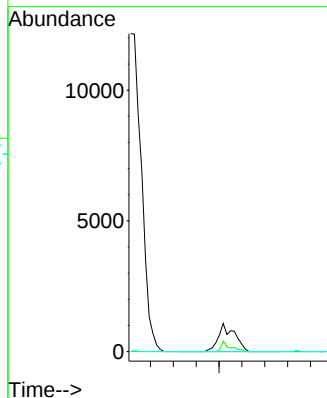
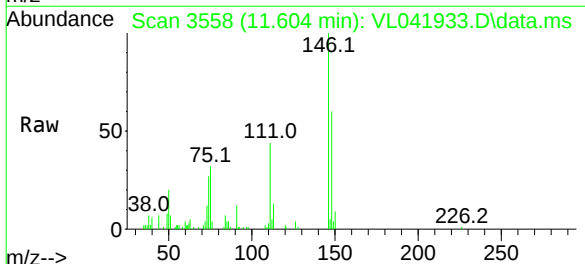
RT: 11.604 min Scan# 3558

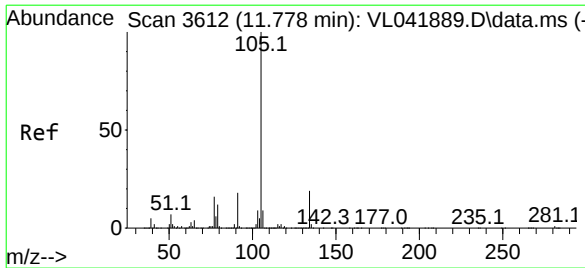
Delta R.T. -0.023 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Tgt Ion:	91	Resp:	1046
Ion	Ratio	Lower	Upper
91	100		
126	20.8	14.1	21.1
128	0.0	4.3	6.5





#67

sec-Butylbenzene

Concen: 0.342 ppbv

RT: 11.762 min Scan# 3612

Delta R.T. -0.016 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

Tgt Ion: 105 Resp: 27031

Ion Ratio Lower Upper

105 100

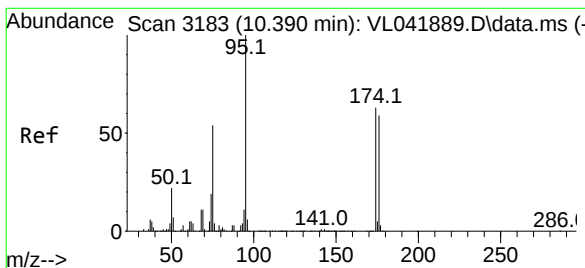
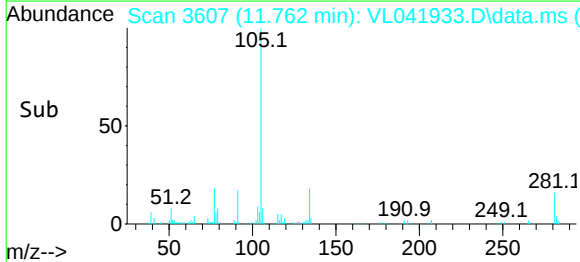
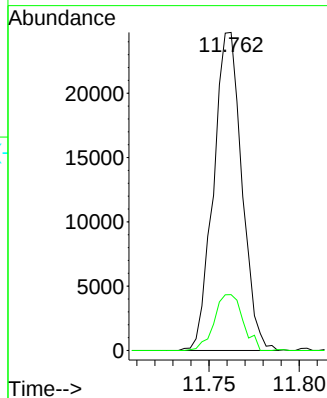
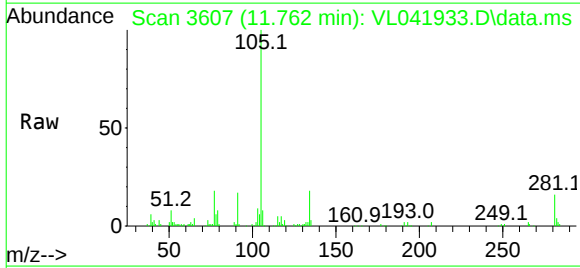
134 17.8 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.967 ppbv

RT: 10.367 min Scan# 3176

Delta R.T. -0.023 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

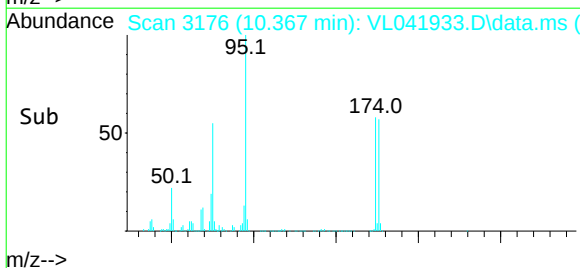
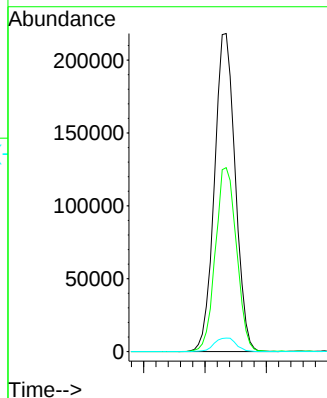
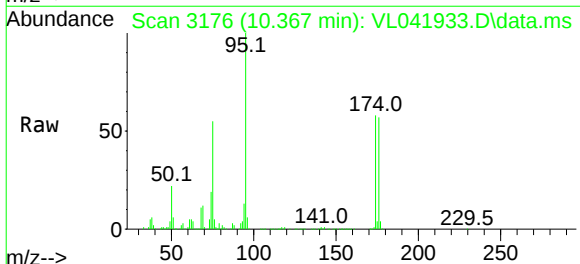
Tgt Ion: 95 Resp: 257179

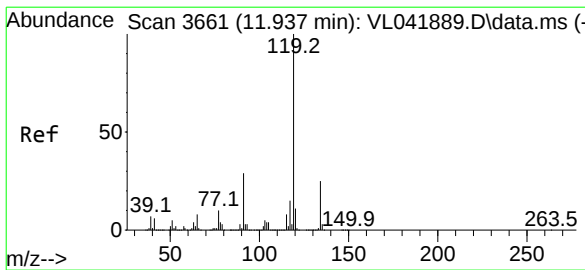
Ion Ratio Lower Upper

95 100

174 58.9 49.0 73.4

175 4.5 3.8 5.8





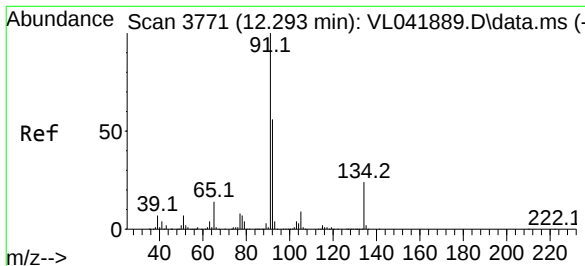
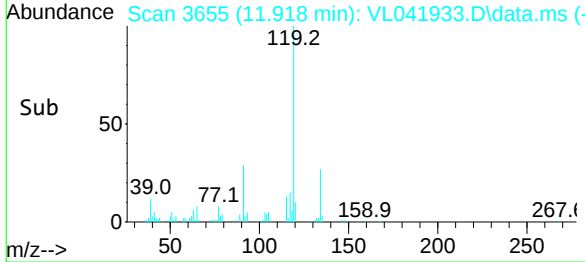
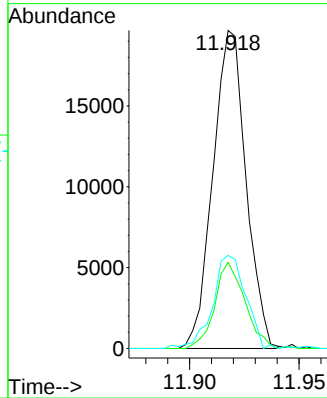
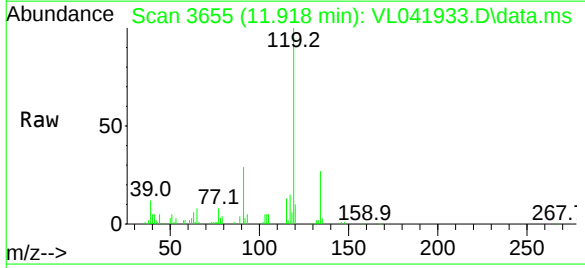
#69
p-Isopropyltoluene
Concen: 0.318 ppbv
RT: 11.918 min Scan# 3665
Delta R.T. -0.019 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:	119	Resp:	20686
Ion	Ratio	Lower	Upper
119	100		
134	24.8	19.8	29.6
91	29.7	23.0	34.4

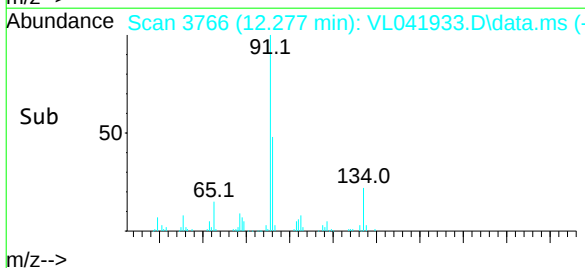
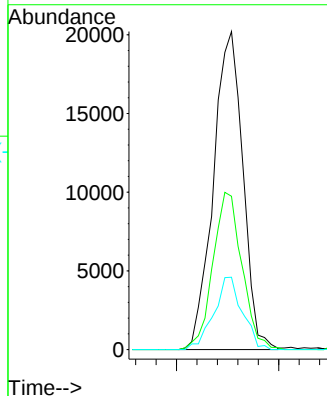
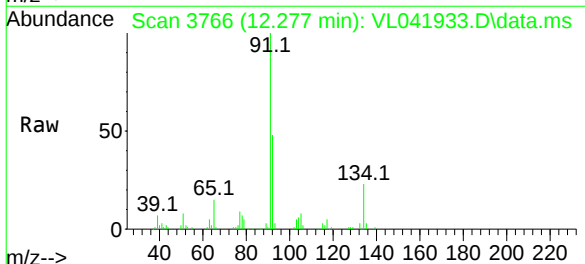
Manual Integrations
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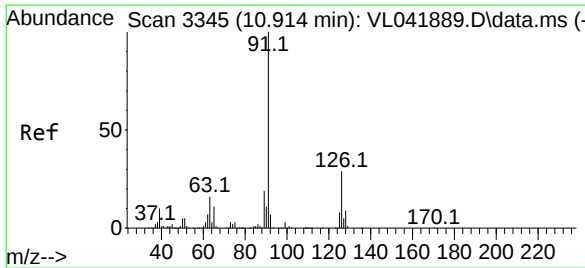
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#70
n-Butylbenzene
Concen: 0.314 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.016 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Tgt Ion:	91	Resp:	20287
Ion	Ratio	Lower	Upper
91	100		
92	48.7	43.8	65.6
134	22.0	19.0	28.6





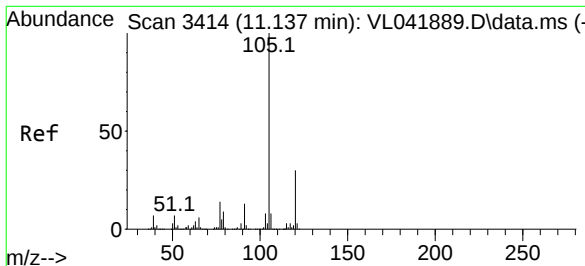
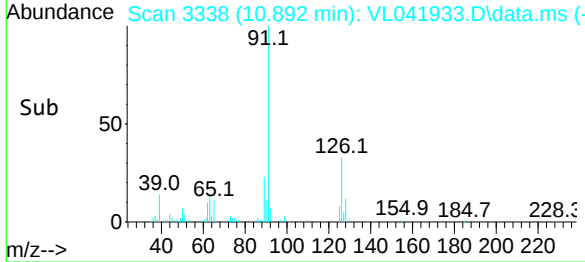
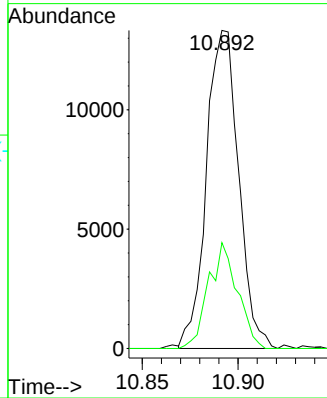
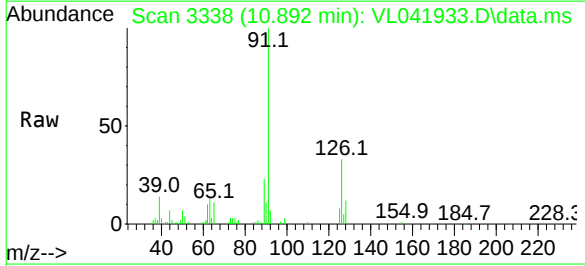
#71
2-Chlorotoluene
Concen: 0.334 ppbv
RT: 10.892 min Scan# 3345
Delta R.T. -0.023 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 91 Resp: 15579
Ion Ratio Lower Upper
91 100
126 29.9 11.7 46.7

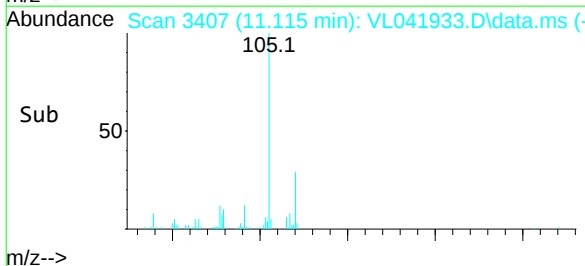
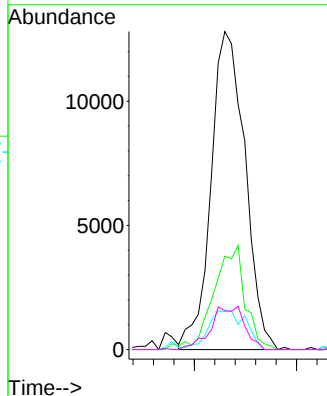
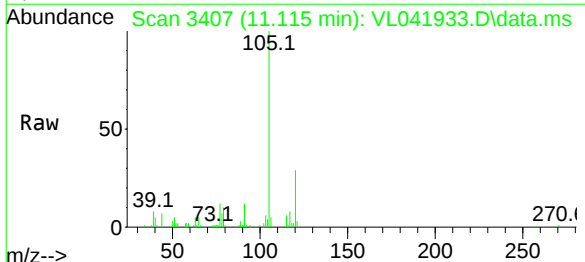
Manual Integrations
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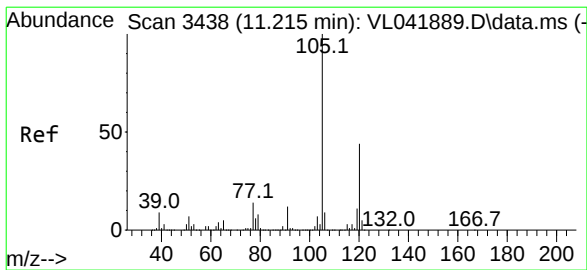
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#72
4-Ethyltoluene
Concen: 0.304 ppbv
RT: 11.115 min Scan# 3407
Delta R.T. -0.023 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Tgt Ion:105 Resp: 14809
Ion Ratio Lower Upper
105 100
120 30.3 23.7 35.5
91 14.2 10.2 15.2
77 13.5 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.326 ppbv

RT: 11.196 min Scan# 3438

Delta R.T. -0.019 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Instrument :

MSVOA_L

ClientSampleId :

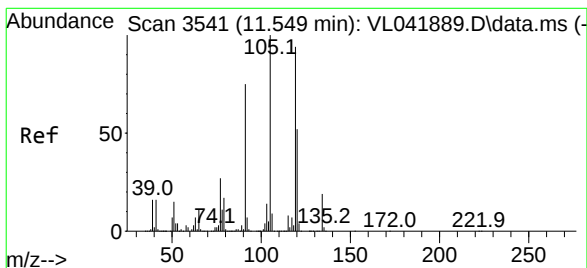
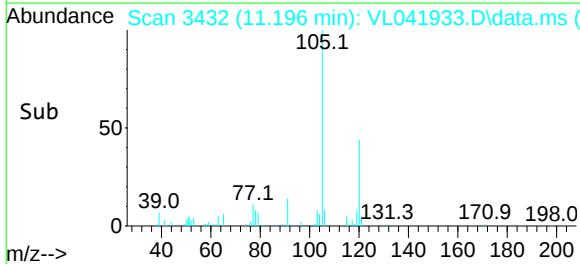
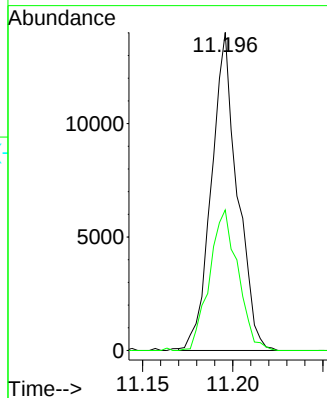
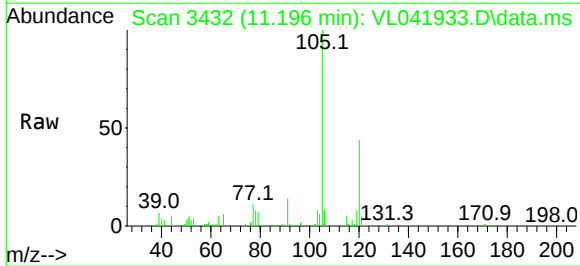
MDL 0.4

Tgt Ion:105 Resp: 14023
 Ion Ratio Lower Upper
 105 100
 120 44.2 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: 0.334 ppbv

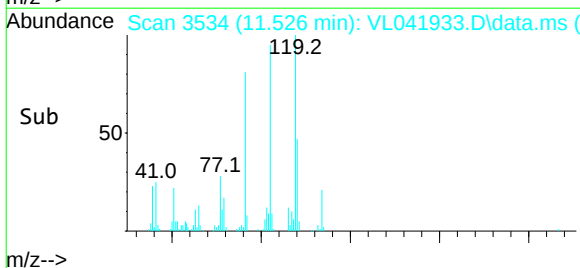
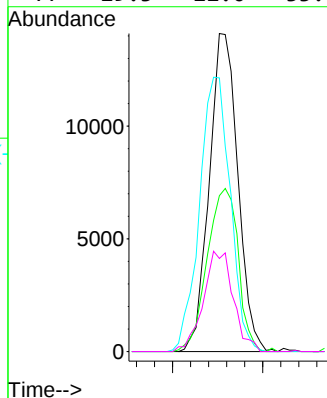
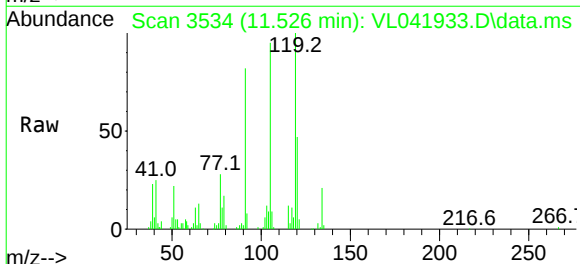
RT: 11.526 min Scan# 3534

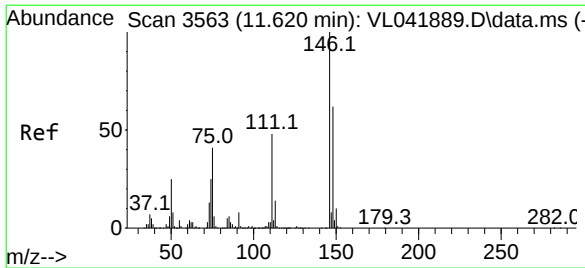
Delta R.T. -0.023 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Tgt Ion:105 Resp: 15550
 Ion Ratio Lower Upper
 105 100
 120 49.0 41.4 62.2
 91 86.1 60.2 90.2
 77 29.3 22.0 33.0





#75

1,3-Dichlorobenzene

Concen: 0.452 ppbv

RT: 11.597 min Scan# 3563

Delta R.T. -0.023 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Instrument :

MSVOA_L

ClientSampleId :

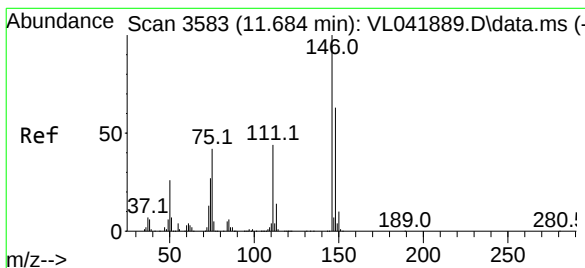
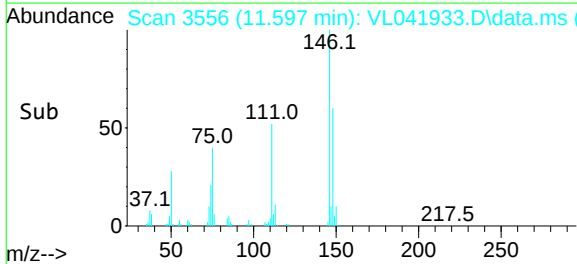
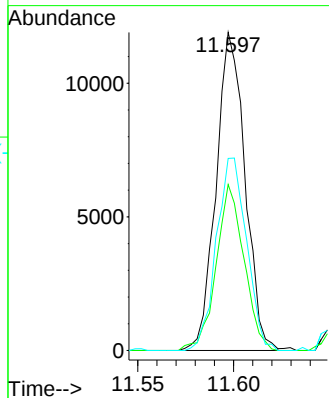
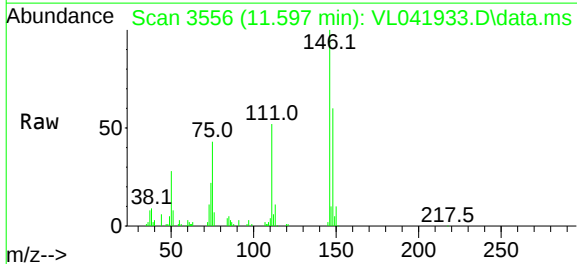
MDL 0.4

Tgt Ion:	146	Resp:	12480
Ion	Ratio	Lower	Upper
146	100		
111	50.2	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: 0.405 ppbv

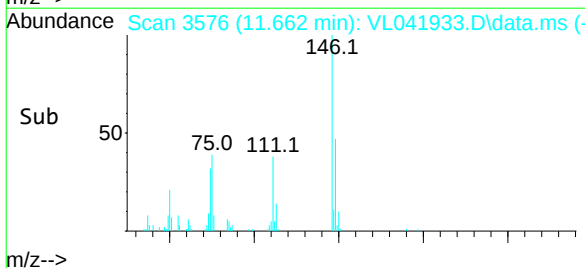
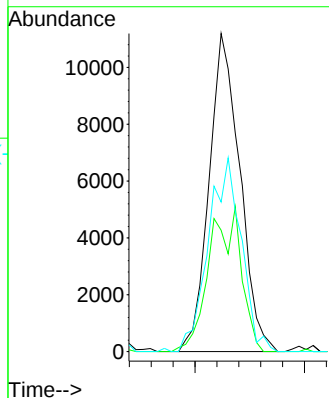
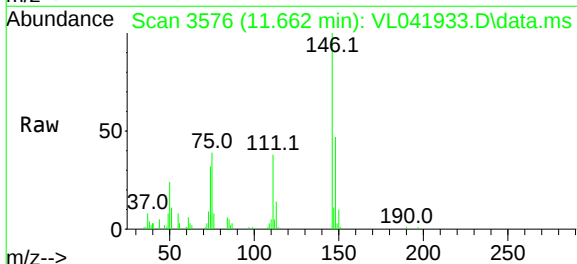
RT: 11.662 min Scan# 3576

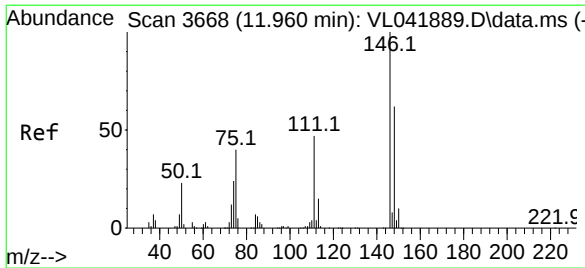
Delta R.T. -0.023 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Tgt Ion:	146	Resp:	10947
Ion	Ratio	Lower	Upper
146	100		
111	47.1	22.4	67.0
148	65.0	31.9	95.5





#77

1,2-Dichlorobenzene

Concen: 0.485 ppbv

RT: 11.940 min Scan# 3668

Delta R.T. -0.019 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Instrument :

MSVOA_L

ClientSampleId :

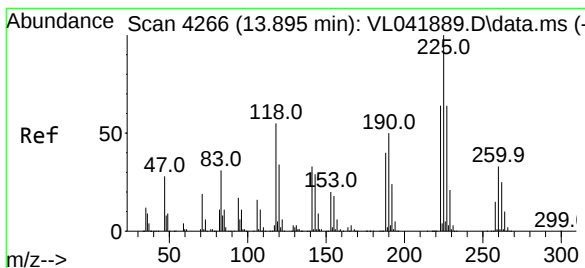
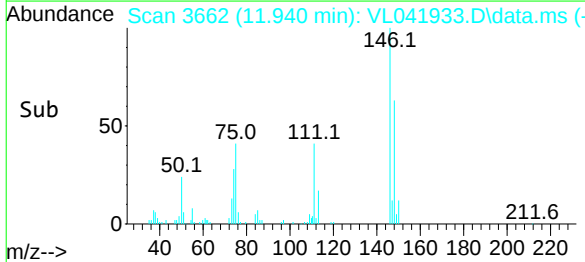
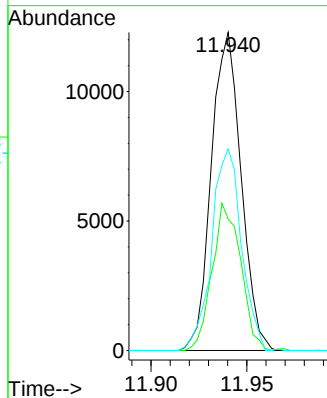
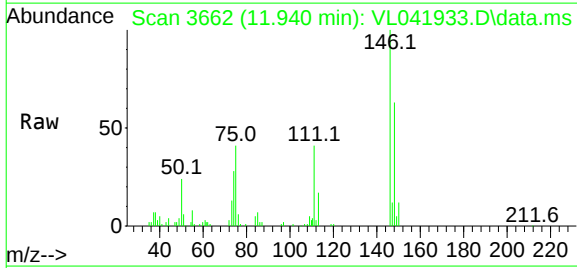
MDL 0.4

Tgt Ion:	146	Resp:	13285
Ion Ratio	Lower	Upper	
146	100		
111	44.4	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: 0.430 ppbv

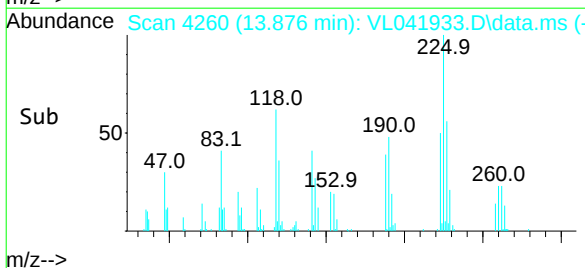
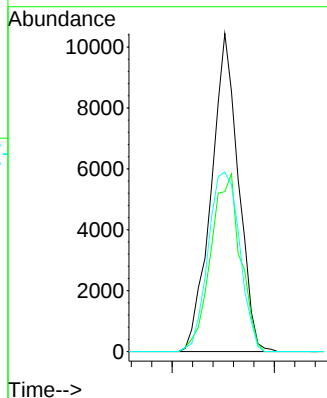
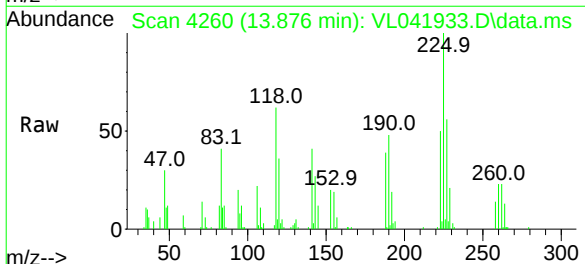
RT: 13.876 min Scan# 4260

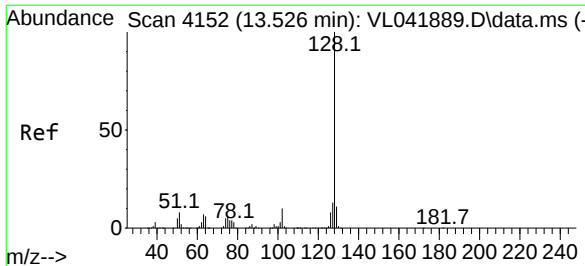
Delta R.T. -0.019 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Tgt Ion:	225	Resp:	9664
Ion Ratio	Lower	Upper	
225	100		
223	60.8	50.8	76.2
227	65.5	50.3	75.5





#79

Naphthalene

Concen: 0.268 ppbv

RT: 13.507 min Scan# 4152

Delta R.T. -0.019 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

Instrument :

MSVOA_L

ClientSampleId :

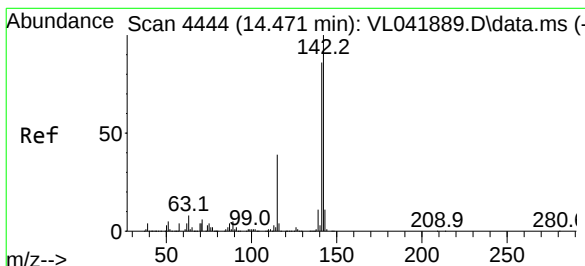
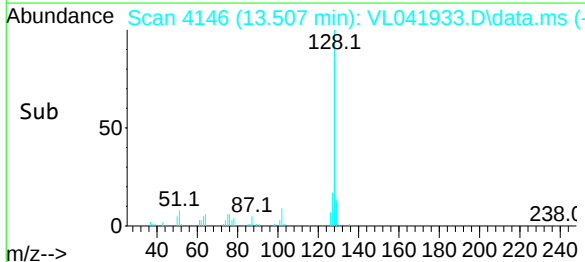
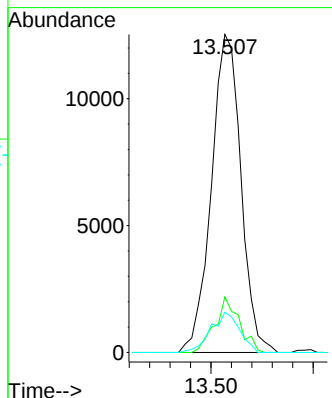
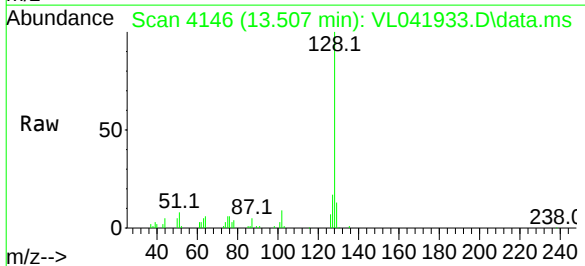
MDL 0.4

Tgt Ion:	128	Resp:	12592
Ion Ratio	Lower	Upper	
128	100		
127	17.5	10.2	15.4
129	12.7	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: 0.171 ppbv

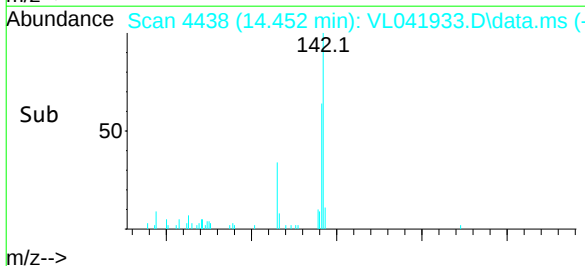
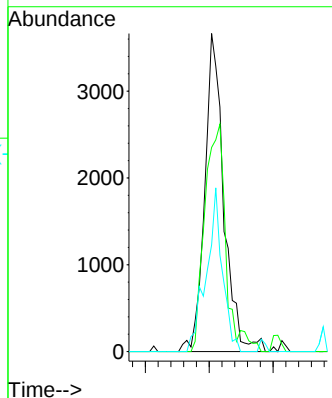
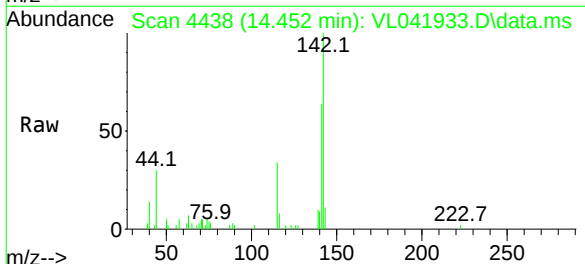
RT: 14.452 min Scan# 4438

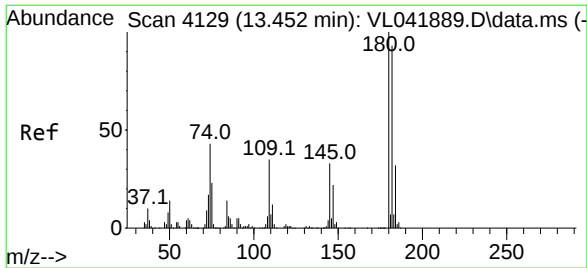
Delta R.T. -0.019 min

Lab File: VL041933.D

Acq: 20 Jan 2025 23:00

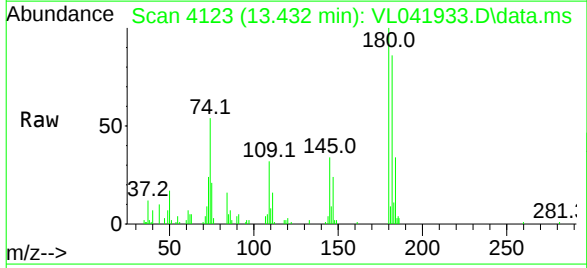
Tgt Ion:	142	Resp:	3806
Ion Ratio	Lower	Upper	
142	100		
141	79.0	68.1	102.1
115	43.4	31.7	47.5





#81
1,2,4-Trichlorobenzene
Concen: 0.340 ppbv
RT: 13.432 min Scan# 41
Delta R.T. -0.019 min
Lab File: VL041933.D
Acq: 20 Jan 2025 23:00

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion:	180	Resp:	7796
Ion Ratio	Lower	Upper	
180	100		
182	98.8	77.0	115.6
184	32.9	24.9	37.3

Manual Integrations
APPROVED

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

