

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041932.D
 Acq On : 20 Jan 2025 22:30
 Operator : SY/MD
 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4

Quant Time: Jan 21 05:07:07 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.777	49	134188	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.939	114	380797	10.000	ppbv	-0.04
55) Chlorobenzene-d5	8.865	117	326374	10.000	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	256221	9.967	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.492	85	8862	0.485	ppbv	98
3) Chlorodifluoromethane	1.470	51	9717	0.507	ppbv	98
4) Chloromethane	1.528	50	3449	0.502	ppbv	93
5) Vinyl Chloride	1.573	62	3398	0.488	ppbv #	86
6) Bromomethane	1.661	94	1562	0.471	ppbv	98
7) Chloroethane	1.696	64	1405	0.519	ppbv #	56
8) Dichlorotetrafluoroethane	1.547	85	7242	0.453	ppbv	97
9) Propene	1.479	41	3909	0.496	ppbv	99
10) Heptane	4.972	43	7809m	0.370	ppbv	
11) Trichlorofluoromethane	1.868	101	7937	0.417	ppbv	90
12) 1,1,2-Trichlorotrifluo...	2.130	101	6839	0.459	ppbv	98
13) Ethanol	1.709	45	297m	0.514	ppbv	
14) Bromoethene	1.777	108	2115	0.388	ppbv #	84
15) Acetone	1.829	43	9338	0.579	ppbv	97
16) 1,3-Butadiene	1.602	39	3573	0.494	ppbv	97
17) tert-Butyl alcohol	2.036	59	8693	0.438	ppbv	98
18) 1,1-Dichloroethene	2.023	96	3174	0.473	ppbv	87
19) Isopropyl Alcohol	1.881	45	4426	0.463	ppbv #	32
20) Methylene Chloride	2.052	84	3162	0.496	ppbv	87
21) Allyl Chloride	2.088	41	4804	0.430	ppbv #	86
22) trans-1,2-Dichloroethene	2.330	96	3521	0.465	ppbv	96
23) Vinyl Acetate	2.457	43	2648	0.331	ppbv #	96
24) 1,1-Dichloroethane	2.398	63	6657	0.454	ppbv	98
25) Ethyl Acetate	2.829	43	16833m	0.387	ppbv	
26) Hexane	2.816	57	6953	0.405	ppbv	96
27) Carbon Disulfide	2.143	76	6481	0.381	ppbv #	23
28) Methyl tert-Butyl Ether	2.437	73	4656	0.354	ppbv	97
29) Chloroform	2.839	83	12601	0.464	ppbv	99
30) Cyclohexane	3.839	84	5443	0.365	ppbv	91
31) cis-1,2-Dichloroethene	2.709	61	7537	0.416	ppbv	97
32) 1,1,1-Trichloroethane	3.357	97	11152	0.429	ppbv	95
34) 2-Butanone	2.554	43	11470	0.474	ppbv	97
35) Carbon Tetrachloride	3.748	117	10508	0.439	ppbv	92
36) Benzene	3.638	78	16347m	0.468	ppbv	
37) 1,2-Dichloroethane	3.201	62	9662	0.493	ppbv	99
38) Trichloroethene	4.528	130	6086	0.439	ppbv	99
39) 1,2-Dichloropropane	4.298	63	6124m	0.500	ppbv	
40) 1,4-Dioxane	4.590	88	2600m	0.420	ppbv	
41) Tetrahydrofuran	3.052	42	5117m	0.389	ppbv	
42) Bromodichloromethane	4.470	83	10924	0.415	ppbv #	89
43) Methyl Methacrylate	4.868	69	4596m	0.354	ppbv	
44) 2,2,4-Trimethylpentane	4.619	57	23065	0.408	ppbv	96
45) t-1,3-Dichloropropene	6.389	75	3227m	0.266	ppbv	

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

Quant Time: Jan 21 05:07:07 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	5.574	75	5304m	0.333	ppbv	
47) 1,1,2-Trichloroethane	6.561	97	6032m	0.465	ppbv	
48) Dibromochloromethane	7.363	129	7713m	0.385	ppbv	
49) Bromoform	9.471	173	5509	0.335	ppbv	96
50) 4-Methyl-2-Pentanone	5.752	43	12708m	0.384	ppbv	
51) 2-Hexanone	7.435	43	8881m	0.350	ppbv	
52) Tetrachloroethene	8.205	164	5299m	0.438	ppbv	
53) Toluene	6.914	91	12437m	0.327	ppbv	
54) 1,2-Dibromoethane	7.635	107	7957	0.446	ppbv	85
56) 1,1,1,2-Tetrachloroethane	8.911	131	6670	0.410	ppbv #	1
57) Chlorobenzene	8.904	112	14959	0.497	ppbv #	78
58) Ethyl Benzene	9.341	91	16531	0.324	ppbv	99
59) m/p-Xylene	9.535	91	26243m	0.642	ppbv	
60) o-Xylene	9.953	91	13421	0.331	ppbv	96
61) Styrene	9.852	104	5382	0.296	ppbv	97
62) Isopropylbenzene	10.526	105	22844	0.364	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.950	83	13187	0.509	ppbv	96
64) n-propylbenzene	10.976	120	4867	0.307	ppbv	82
65) tert-Butylbenzene	11.523	119	18954	0.331	ppbv	98
66) Benzyl Chloride	11.603	91	1175m	0.332	ppbv	
67) sec-Butylbenzene	11.759	105	26136	0.332	ppbv	100
69) p-Isopropyltoluene	11.914	119	20880	0.322	ppbv	98
70) n-Butylbenzene	12.273	91	21088	0.328	ppbv	95
71) 2-Chlorotoluene	10.888	91	16804	0.362	ppbv	93
72) 4-Ethyltoluene	11.111	105	15064	0.310	ppbv #	96
73) 1,3,5-Trimethylbenzene	11.192	105	14032	0.327	ppbv	94
74) 1,2,4-Trimethylbenzene	11.523	105	16112	0.347	ppbv #	89
75) 1,3-Dichlorobenzene	11.597	146	12601	0.458	ppbv	95
76) 1,4-Dichlorobenzene	11.662	146	11355	0.422	ppbv	96
77) 1,2-Dichlorobenzene	11.937	146	12248	0.449	ppbv	94
78) Hexachloro-1,3-Butadiene	13.872	225	9854	0.440	ppbv	97
79) Naphthalene	13.503	128	14149	0.303	ppbv #	91
80) Naphthalene,2-methyl-	14.448	142	4410	0.199	ppbv	97
81) 1,2,4-Trichlorobenzene	13.432	180	7637	0.335	ppbv	96

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

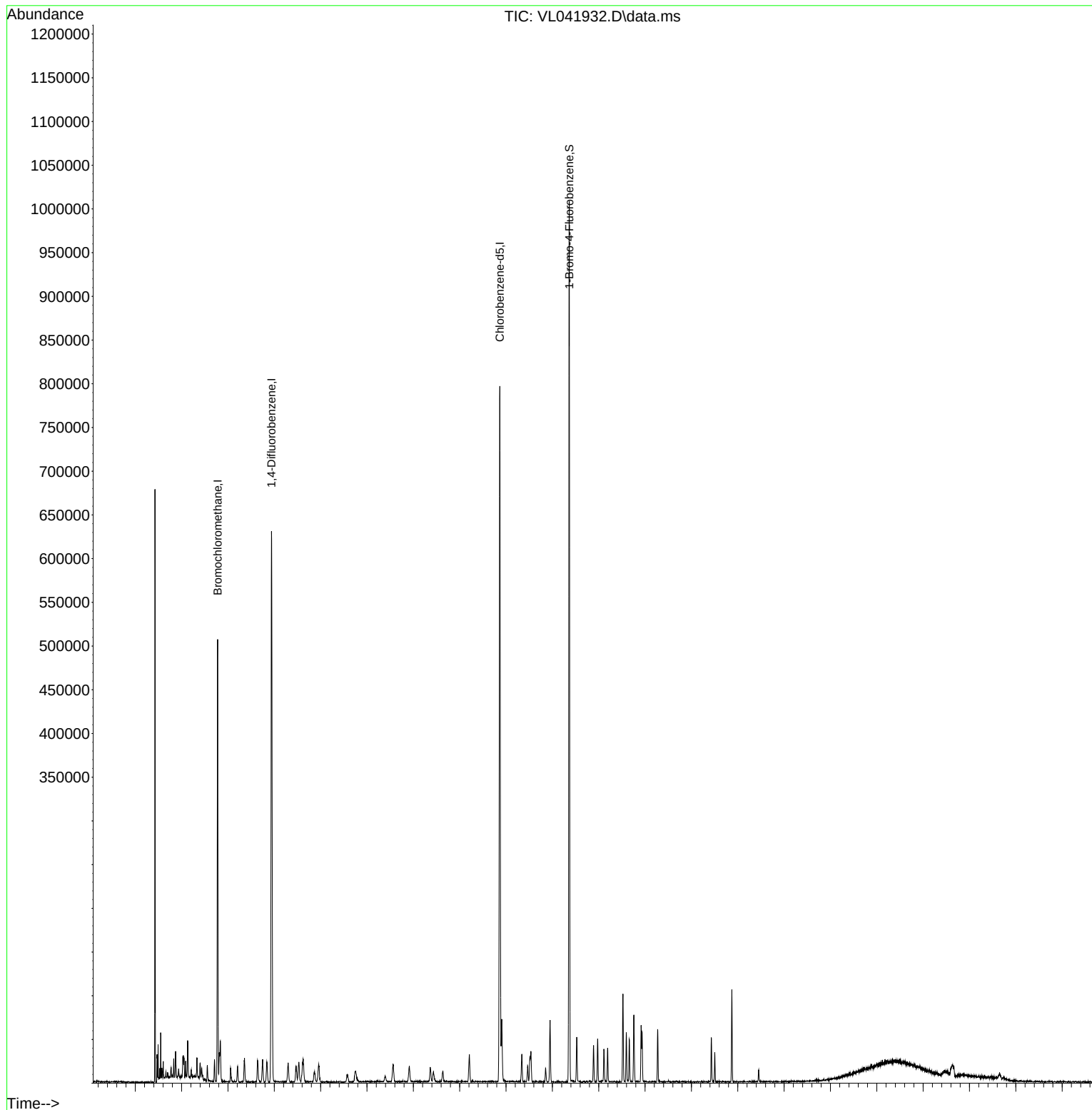
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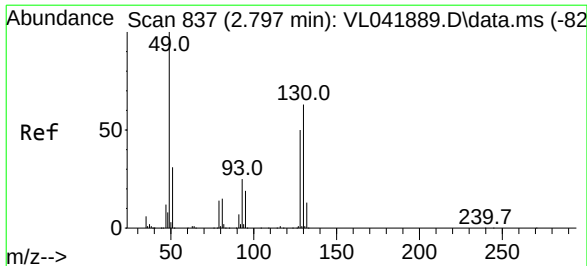
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Quant Time: Jan 21 05:07:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
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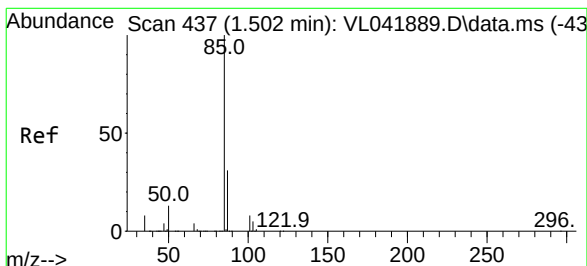
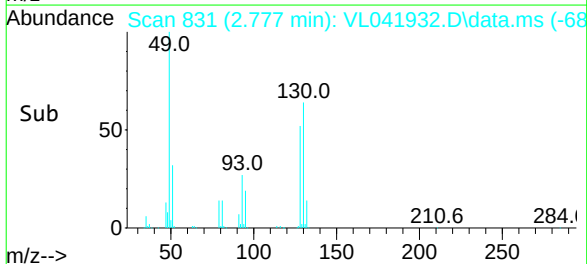
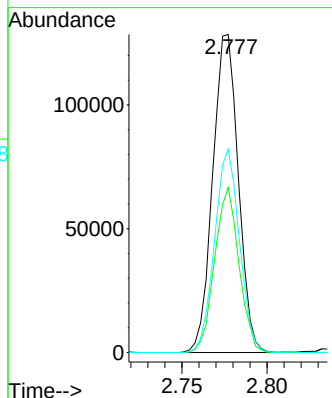
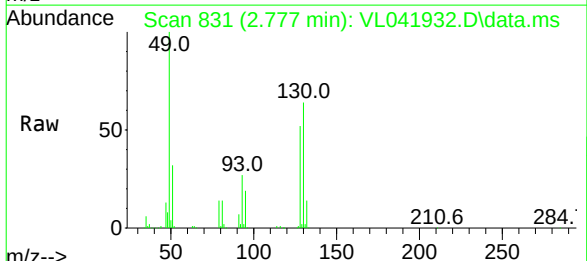
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 831
Delta R.T. -0.020 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 49 Resp: 134188
Ion Ratio Lower Upper
49 100
128 49.3 24.3 73.0
130 62.2 31.1 93.2

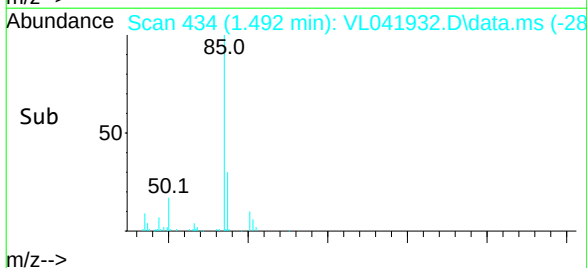
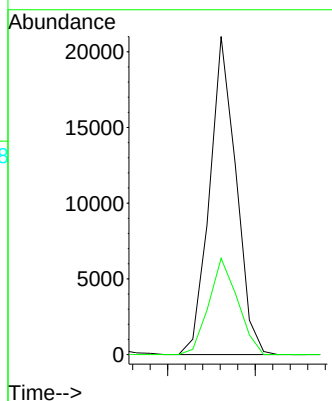
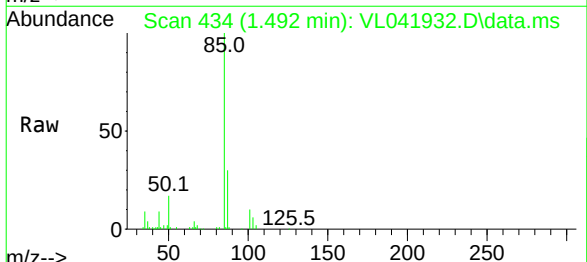
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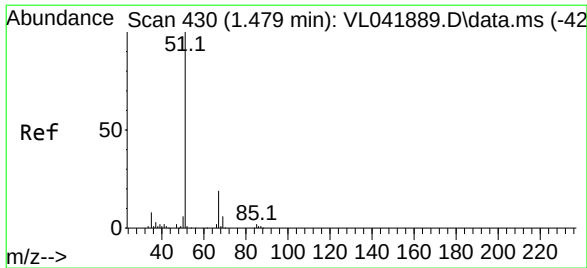
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#2
Dichlorodifluoromethane
Concen: 0.485 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.010 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Tgt Ion: 85 Resp: 8862
Ion Ratio Lower Upper
85 100
87 30.3 24.9 37.3





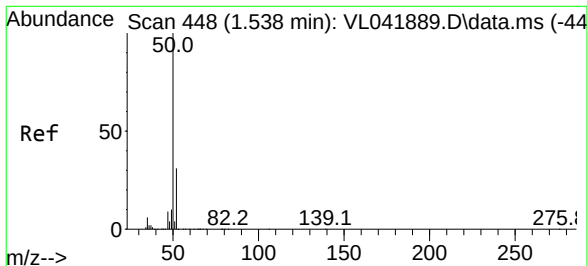
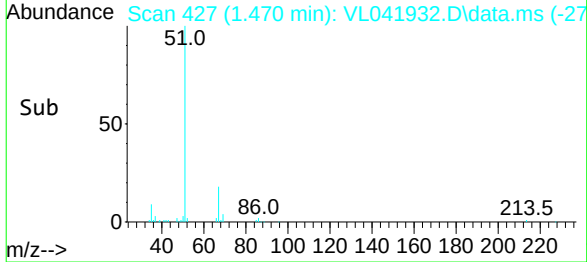
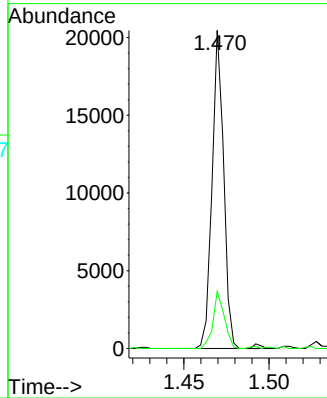
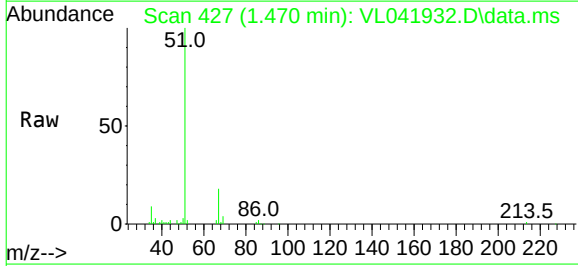
#3
Chlorodifluoromethane
Concen: 0.507 ppbv
RT: 1.470 min Scan# 42
Delta R.T. -0.010 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 51 Resp: 9717
Ion Ratio Lower Upper
51 100
67 17.9 15.0 22.4

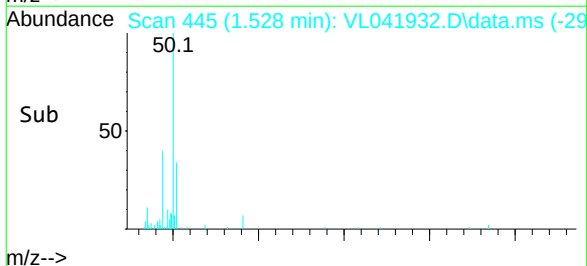
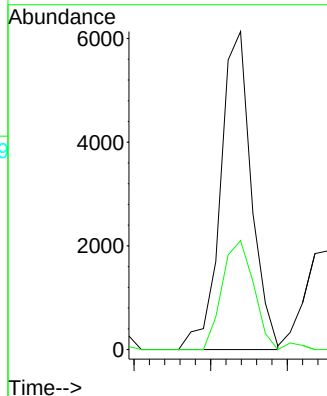
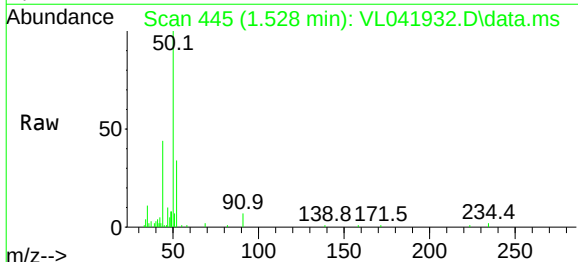
Manual Integrations
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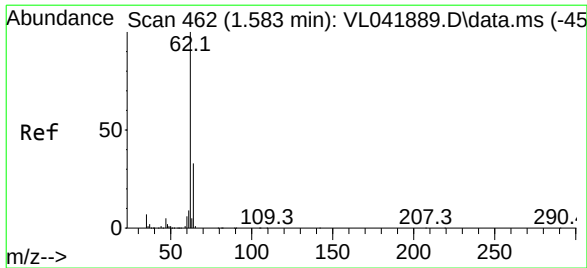
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#4
Chloromethane
Concen: 0.502 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.010 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

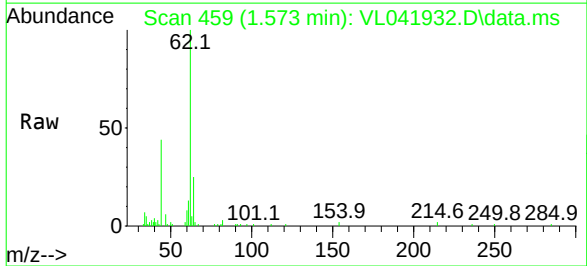
Tgt Ion: 50 Resp: 3449
Ion Ratio Lower Upper
50 100
52 34.3 24.6 36.8





#5
 Vinyl Chloride
 Concen: 0.488 ppbv
 RT: 1.573 min Scan# 459
 Delta R.T. -0.010 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30

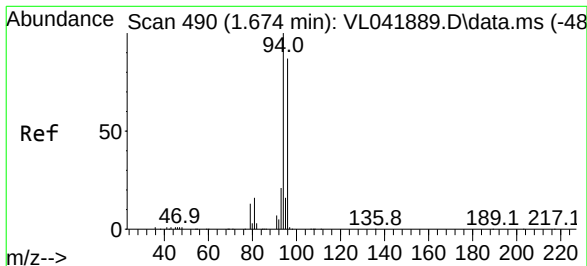
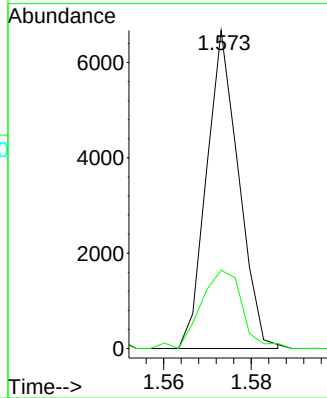
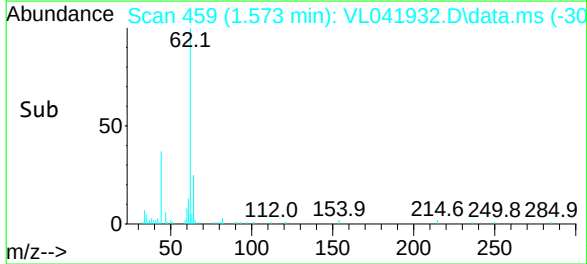
Instrument : MSVOA_L
 ClientSampleId : MDL 0.4



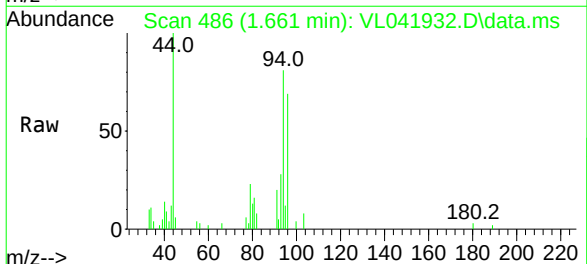
Tgt Ion: 62 Resp: 3398
 Ion Ratio Lower Upper
 62 100
 64 24.6 26.1 39.1

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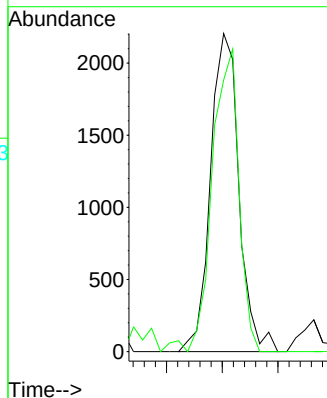
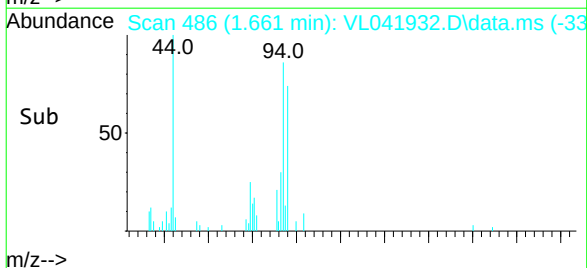
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

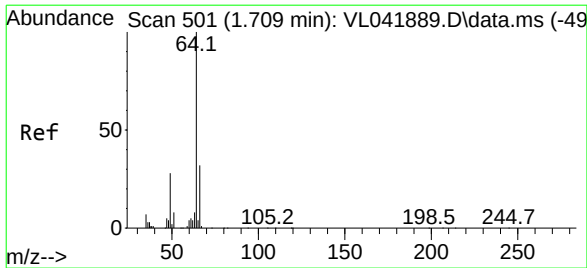


#6
 Bromomethane
 Concen: 0.471 ppbv
 RT: 1.661 min Scan# 486
 Delta R.T. -0.013 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30



Tgt Ion: 94 Resp: 1562
 Ion Ratio Lower Upper
 94 100
 96 85.4 69.5 104.3





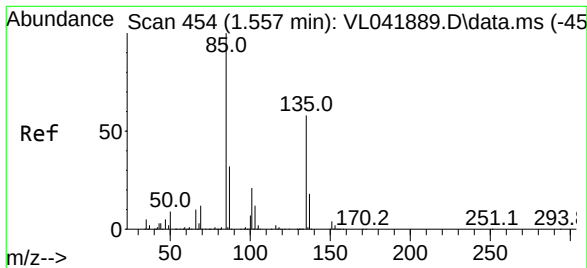
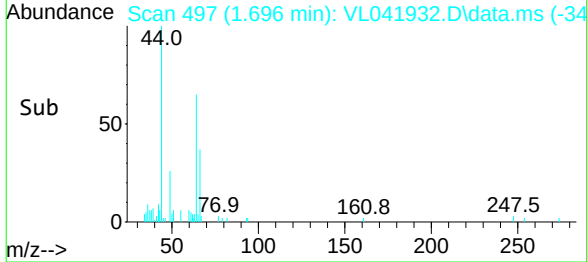
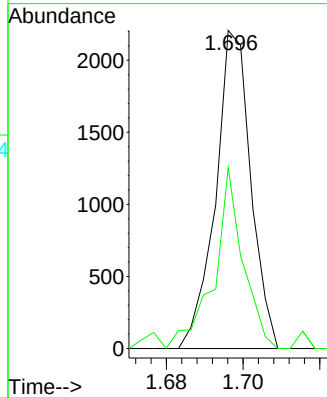
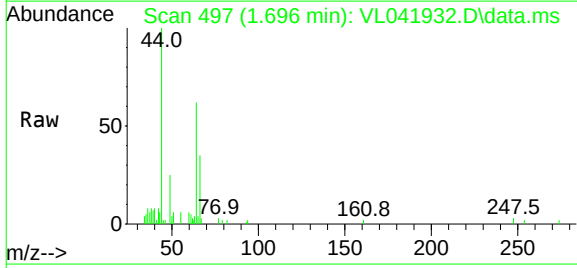
#7
Chloroethane
Concen: 0.519 ppbv
RT: 1.696 min Scan# 49
Delta R.T. -0.013 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 64 Resp: 1405
Ion Ratio Lower Upper
64 100
66 56.9 25.7 38.5#

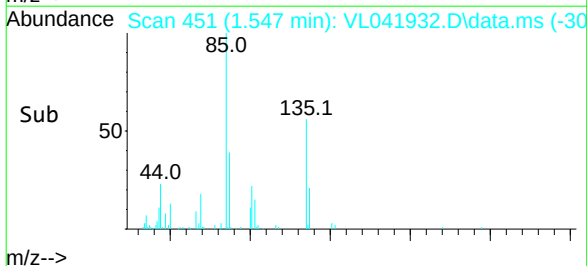
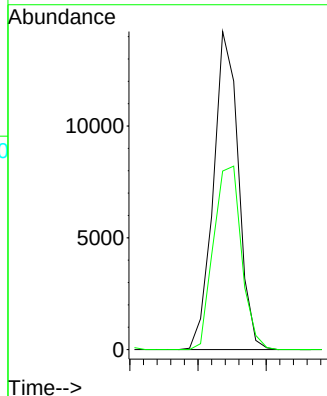
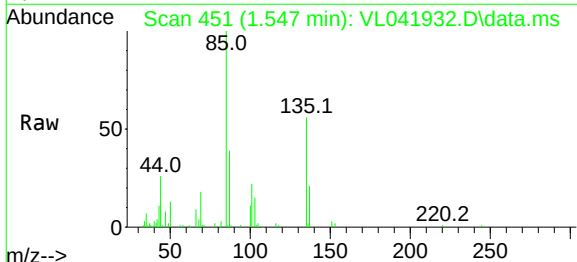
Manual Integrations
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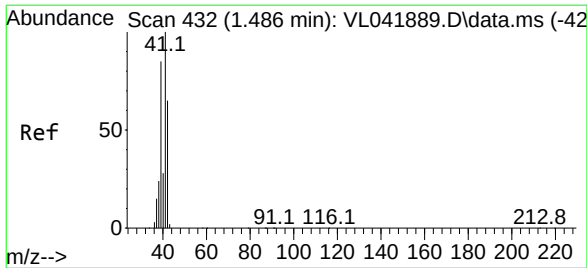
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#8
Dichlorotetrafluoroethane
Concen: 0.453 ppbv
RT: 1.547 min Scan# 451
Delta R.T. -0.010 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

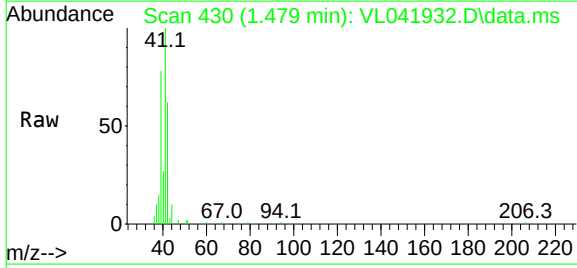
Tgt Ion: 85 Resp: 7242
Ion Ratio Lower Upper
85 100
135 64.8 50.0 75.0





#9
 Propene
 Concen: 0.496 ppbv
 RT: 1.479 min Scan# 431
 Delta R.T. -0.007 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30

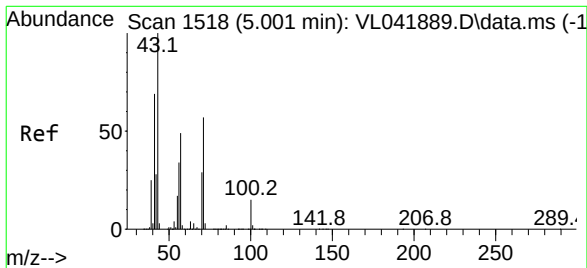
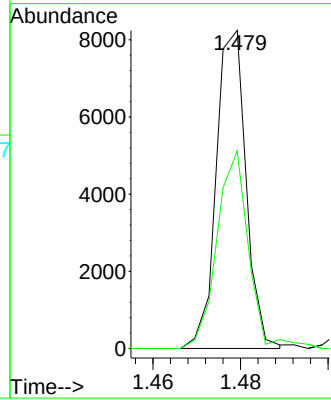
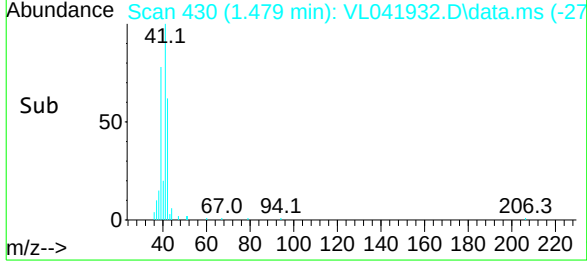
Instrument : MSVOA_L
 ClientSampleId : MDL 0.4



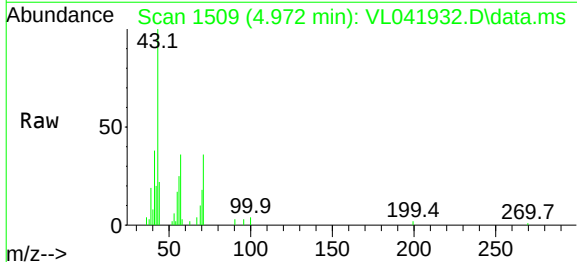
Tgt Ion: 41 Resp: 3909
 Ion Ratio Lower Upper
 41 100
 42 66.0 52.0 78.0

Manual Integrations
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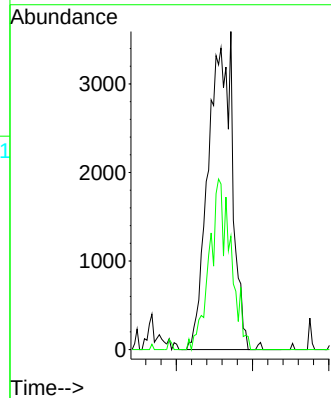
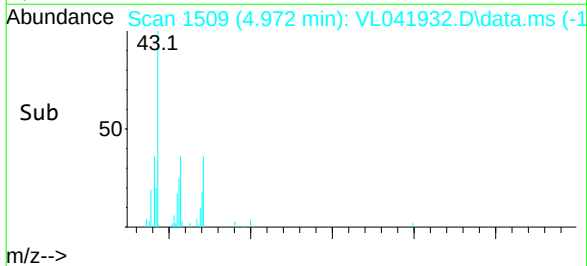
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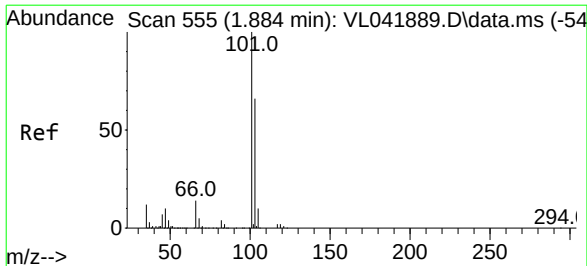


#10
 Heptane
 Concen: 0.370 ppbv m
 RT: 4.972 min Scan# 1509
 Delta R.T. -0.029 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30



Tgt Ion: 43 Resp: 7809
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.0 61.4#





#11

Trichlorofluoromethane

Concen: 0.417 ppbv

RT: 1.868 min Scan# 555

Delta R.T. -0.016 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

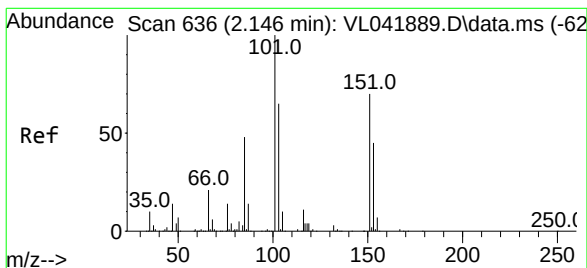
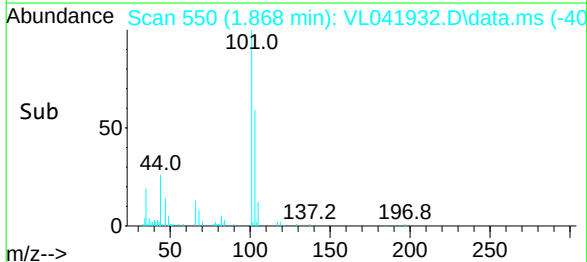
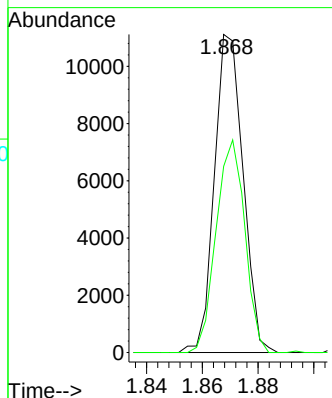
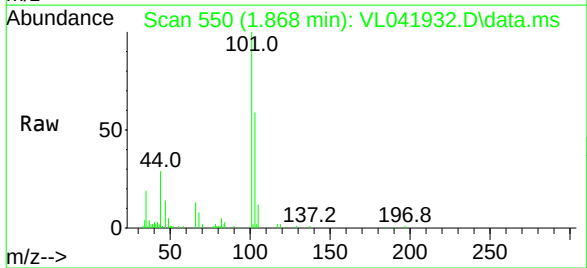
ClientSampleId :

MDL 0.4

Tgt Ion	Ratio	Lower	Upper
101	100		
103	58.5	53.1	79.7

Manual Integrations
APPROVED

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



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.459 ppbv

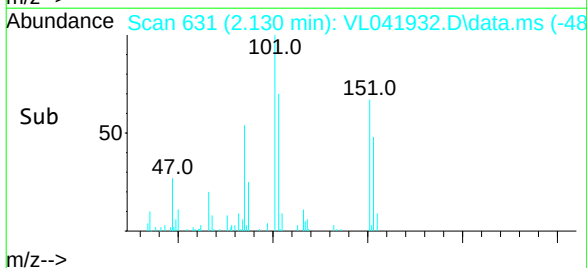
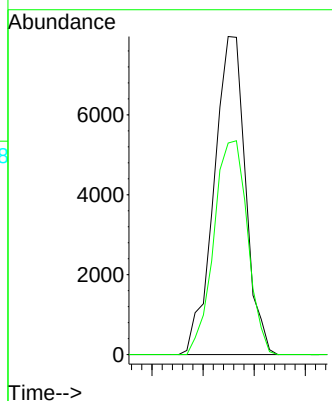
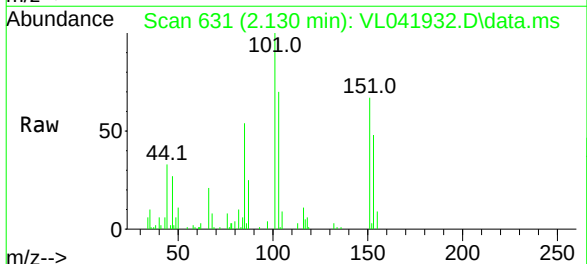
RT: 2.130 min Scan# 631

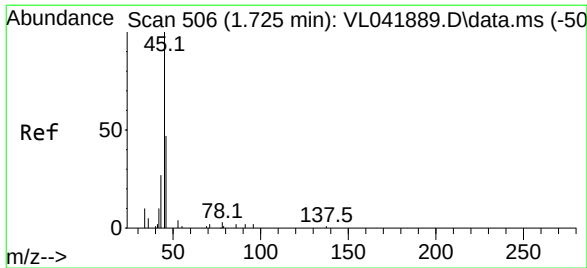
Delta R.T. -0.016 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Tgt Ion	Ratio	Lower	Upper
101	100		
151	71.8	56.1	84.1





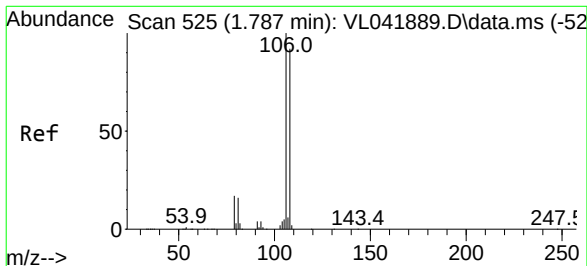
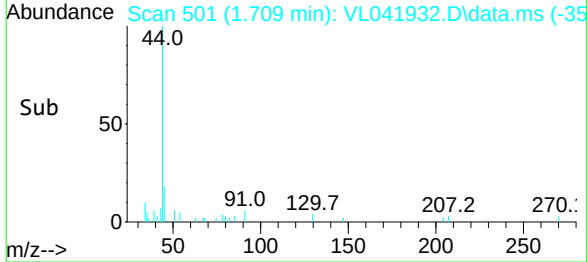
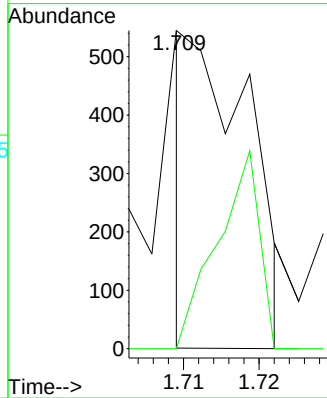
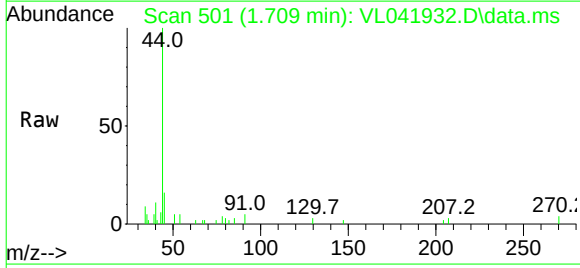
#13
Ethanol
Concen: 0.514 ppbv m
RT: 1.709 min Scan# 506
Delta R.T. -0.016 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 45 Resp: 297
Ion Ratio Lower Upper
45 100
46 0.0 18.1 72.5#

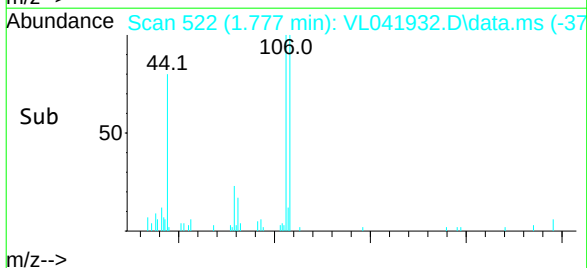
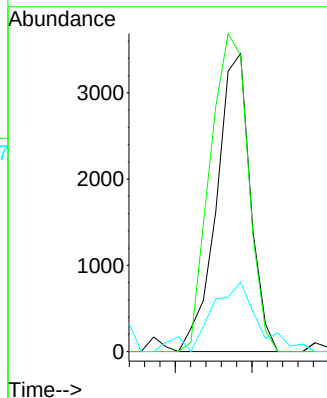
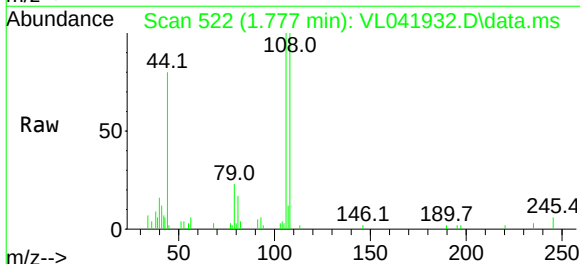
Manual Integrations
APPROVED

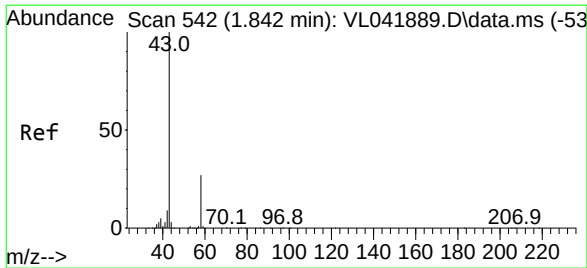
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#14
Bromoethene
Concen: 0.388 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.010 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

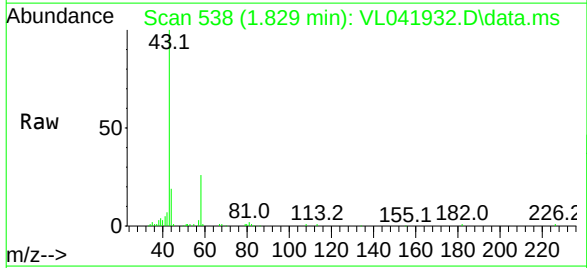
Tgt Ion:108 Resp: 2115
Ion Ratio Lower Upper
108 100
106 121.7 85.5 128.3
79 30.4 15.3 22.9#





#15
Acetone
Concen: 0.579 ppbv
RT: 1.829 min Scan# 538
Delta R.T. -0.013 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

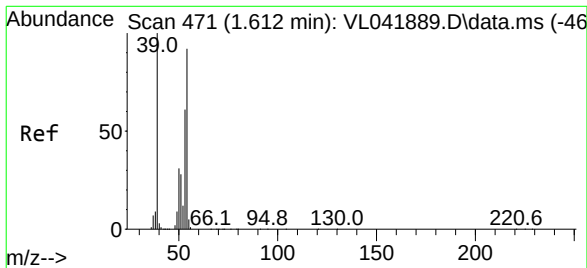
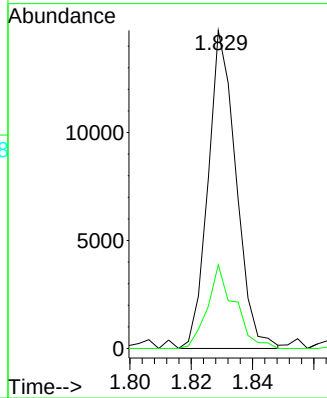
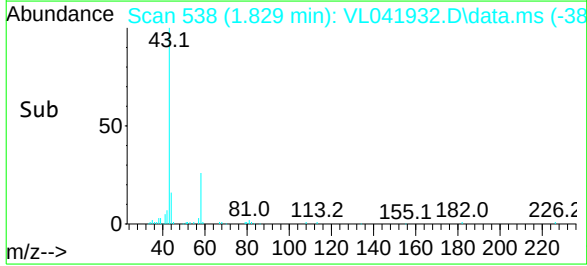
Instrument : MSVOA_L
ClientSampleId : MDL 0.4



Tgt Ion: 43 Resp: 9338
Ion Ratio Lower Upper
43 100
58 25.6 21.9 32.9

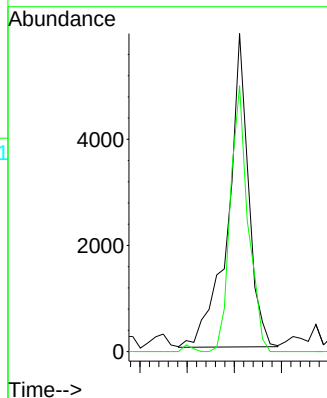
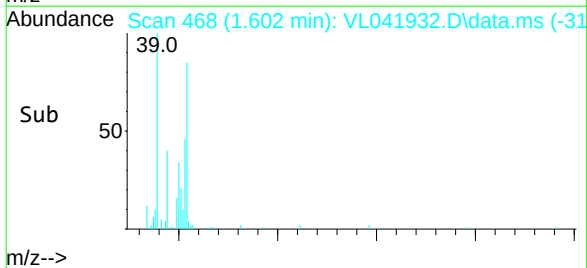
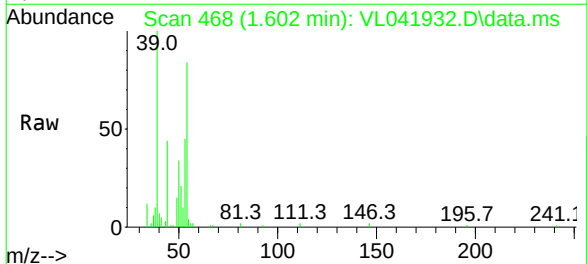
Manual Integrations
APPROVED

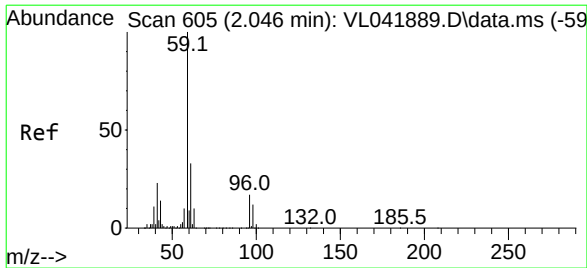
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#16
1,3-Butadiene
Concen: 0.494 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.010 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Tgt Ion: 39 Resp: 3573
Ion Ratio Lower Upper
39 100
54 74.1 61.6 92.4





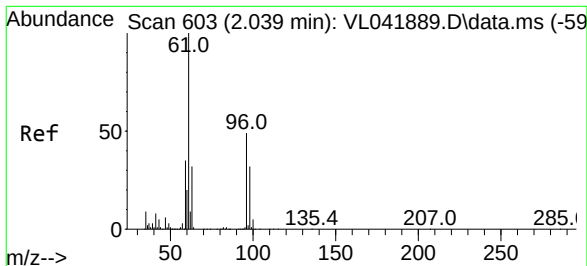
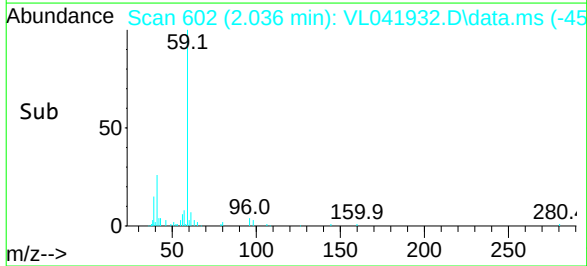
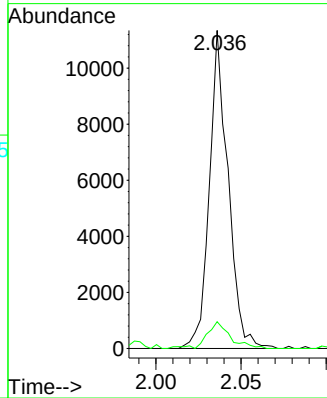
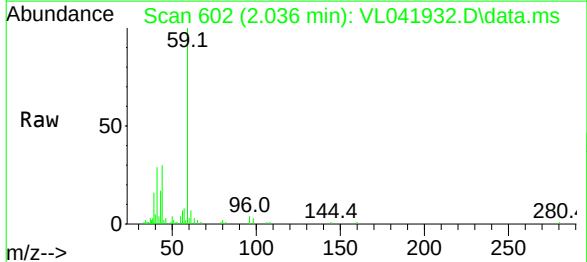
#17
tert-Butyl alcohol
Concen: 0.438 ppbv
RT: 2.036 min Scan# 605
Delta R.T. -0.010 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 59 Resp: 8693
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.8

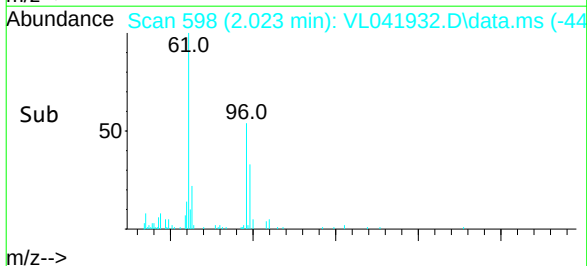
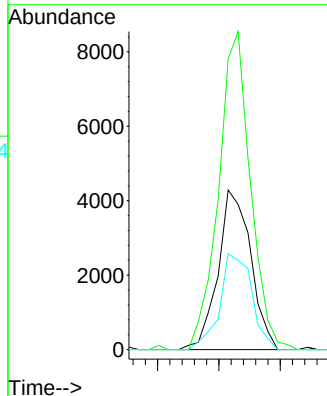
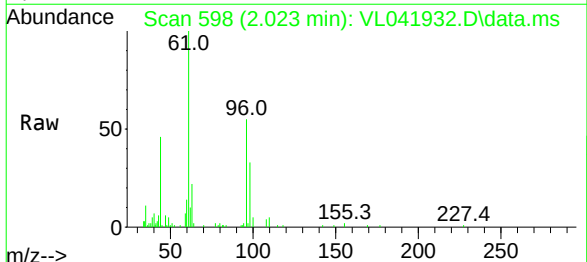
Manual Integrations
APPROVED

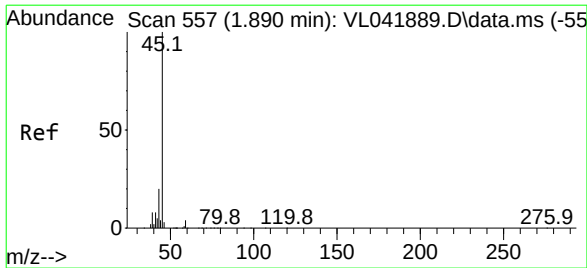
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#18
1,1-Dichloroethene
Concen: 0.473 ppbv
RT: 2.023 min Scan# 598
Delta R.T. -0.016 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Tgt Ion: 96 Resp: 3174
Ion Ratio Lower Upper
96 100
61 182.0 163.1 244.7
98 60.0 52.7 79.1





#19

Isopropyl Alcohol

Concen: 0.463 ppbv

RT: 1.881 min Scan# 55

Delta R.T. -0.010 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

Tgt Ion: 45 Resp: 4426

Ion Ratio Lower Upper

45 100

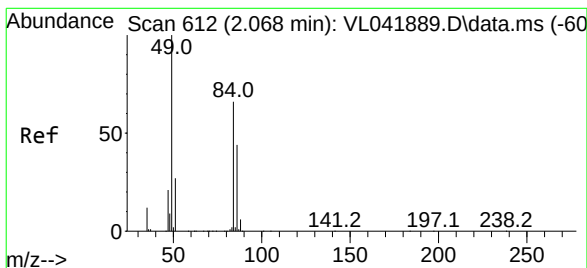
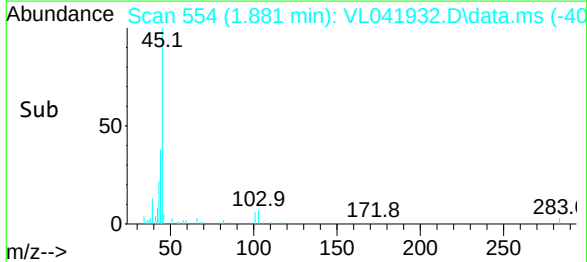
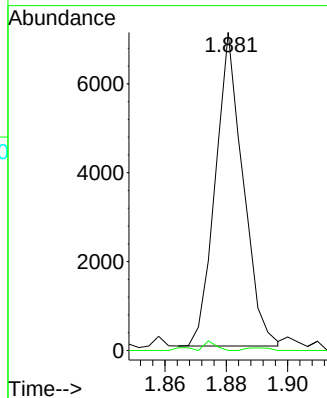
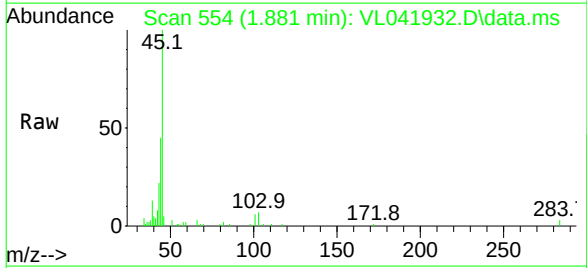
58 0.0 35.0 52.6#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#20

Methylene Chloride

Concen: 0.496 ppbv

RT: 2.052 min Scan# 607

Delta R.T. -0.016 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Tgt Ion: 84 Resp: 3162

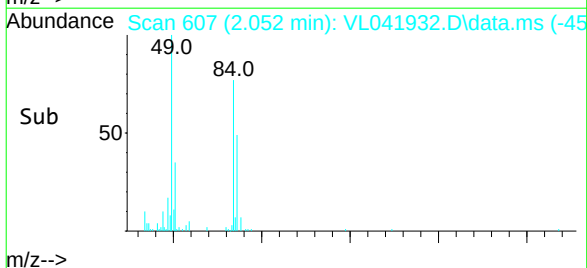
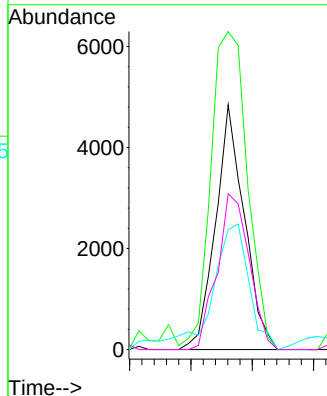
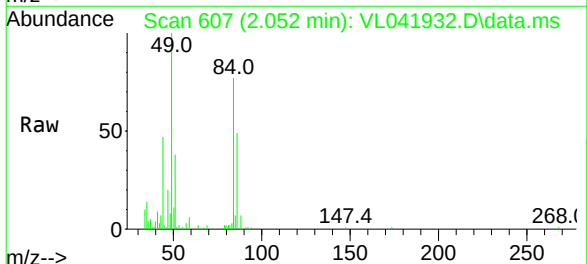
Ion Ratio Lower Upper

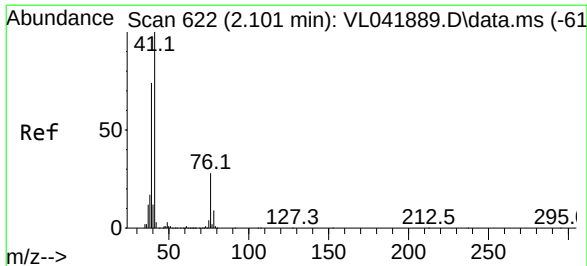
84 100

49 130.0 123.1 184.7

51 49.0 35.8 53.8

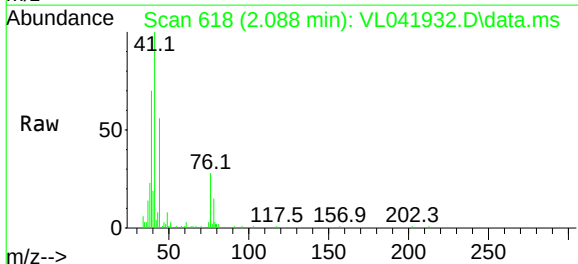
86 63.6 53.7 80.5





#21
 Allyl Chloride
 Concen: 0.430 ppbv
 RT: 2.088 min Scan# 61
 Delta R.T. -0.013 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30

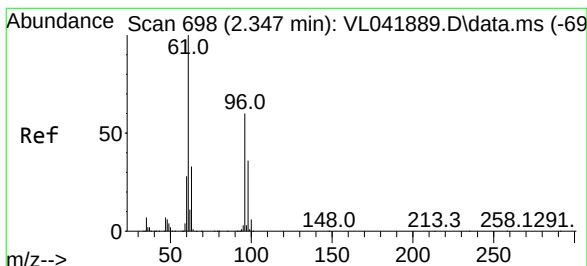
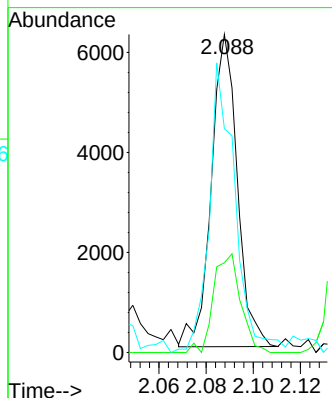
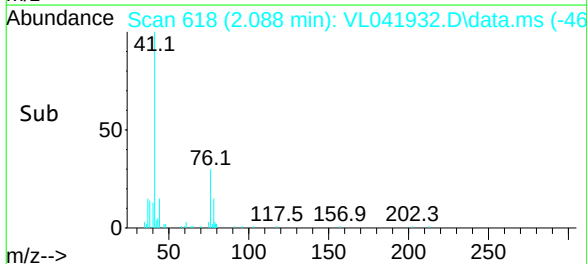
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4



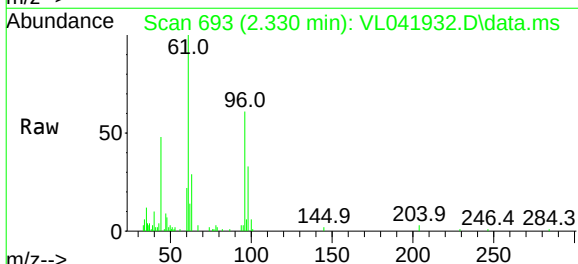
Tgt Ion:	41	Resp:	4804
Ion	Ratio	Lower	Upper
41	100		
76	32.7	24.2	36.4
39	91.6	60.6	91.0

Manual Integrations
 APPROVED

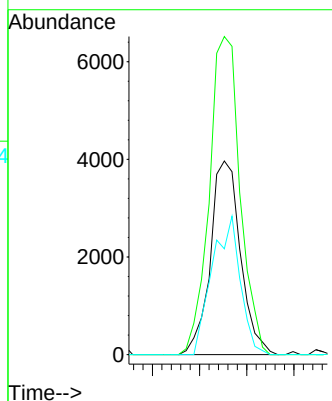
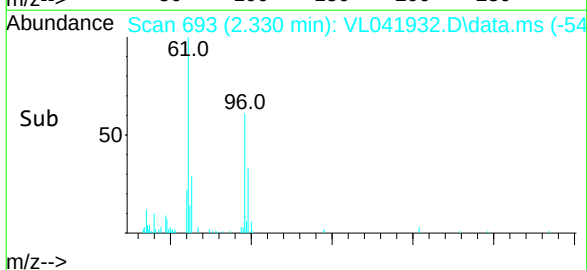
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

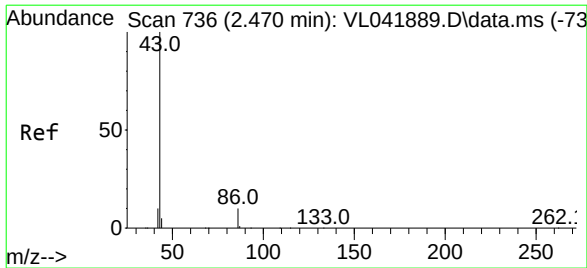


#22
 trans-1,2-Dichloroethene
 Concen: 0.465 ppbv
 RT: 2.330 min Scan# 693
 Delta R.T. -0.016 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30



Tgt Ion:	96	Resp:	3521
Ion	Ratio	Lower	Upper
96	100		
61	164.3	134.5	201.7
98	54.6	48.9	73.3





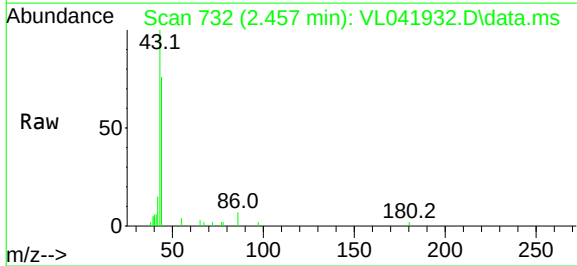
#23
 Vinyl Acetate
 Concen: 0.331 ppbv
 RT: 2.457 min Scan# 73
 Delta R.T. -0.013 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

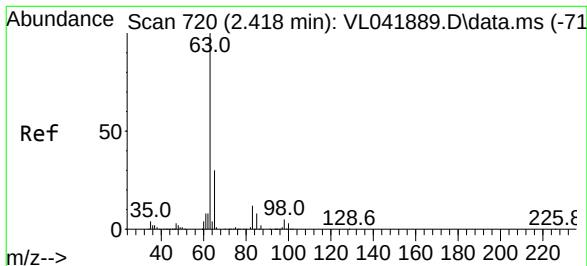
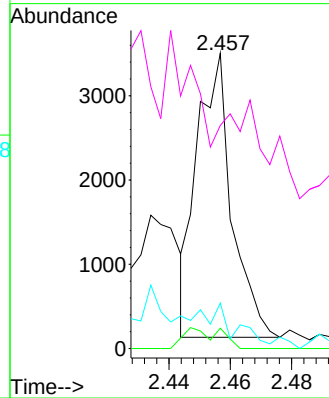
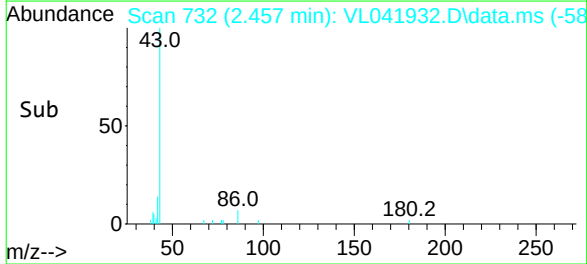


Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.1	6.2	9.4
42	11.9	8.5	12.7
44	3.7	4.8	7.2

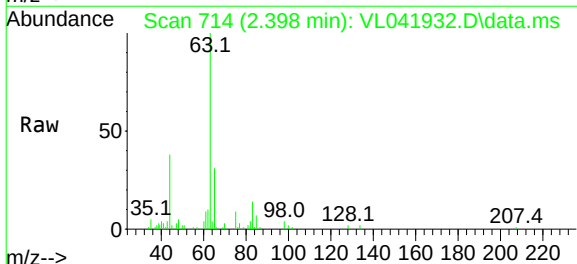
Manual Integrations

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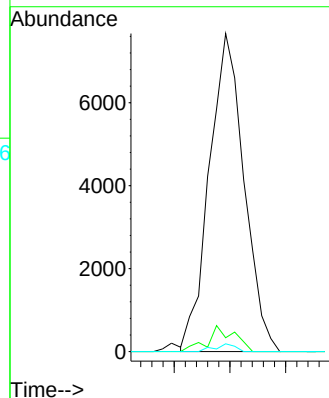
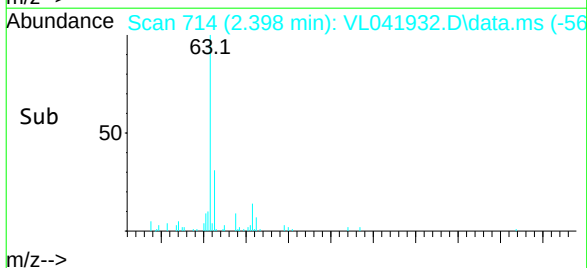
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

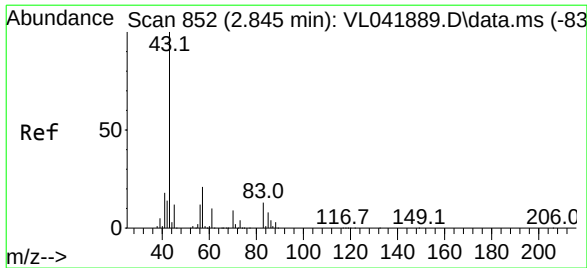


#24
 1,1-Dichloroethane
 Concen: 0.454 ppbv
 RT: 2.398 min Scan# 714
 Delta R.T. -0.019 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30



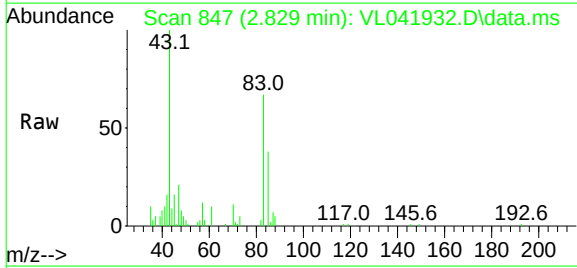
Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.6	7.8
100	2.5	1.4	4.2





#25
Ethyl Acetate
Concen: 0.387 ppbv m
RT: 2.829 min Scan# 84
Delta R.T. -0.016 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

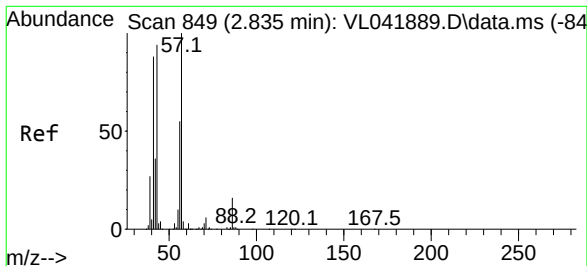
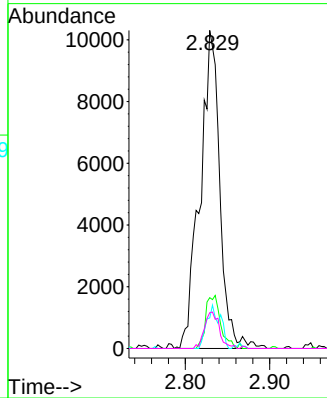
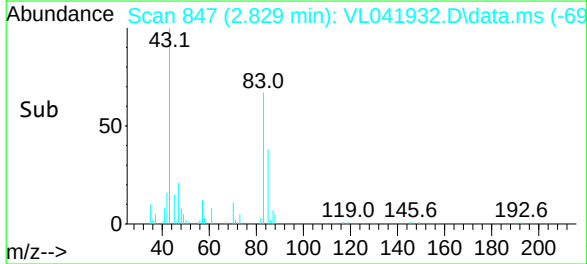
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



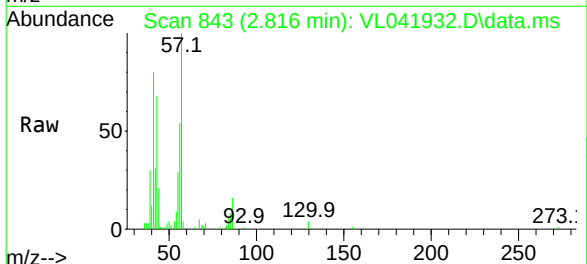
Tgt Ion	Ratio	Lower	Upper
43	100		
45	12.6	8.2	12.2
61	9.9	7.4	11.0
70	8.8	7.0	10.4

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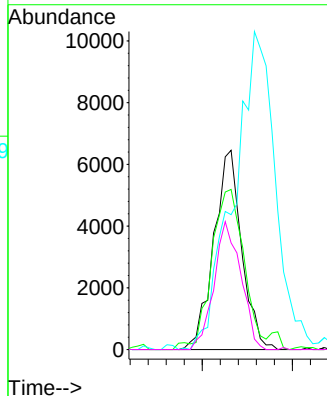
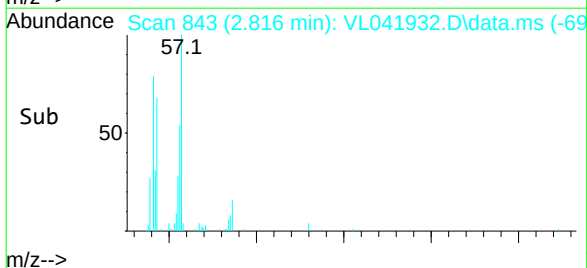
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

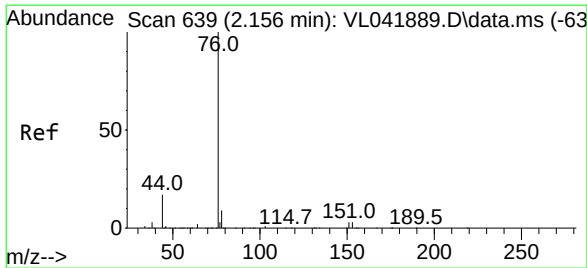


#26
Hexane
Concen: 0.405 ppbv
RT: 2.816 min Scan# 843
Delta R.T. -0.019 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30



Tgt Ion	Ratio	Lower	Upper
57	100		
41	97.1	73.8	110.8
43	243.0	197.3	295.9
56	61.7	42.7	64.1





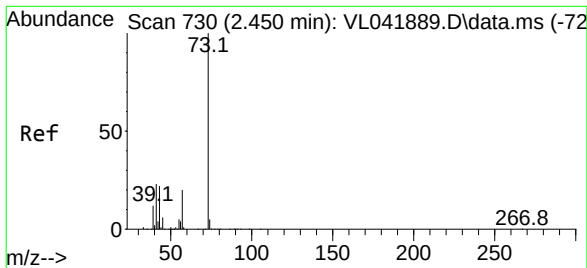
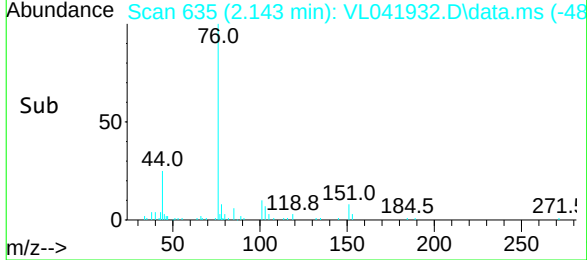
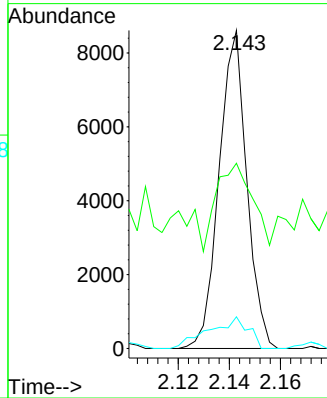
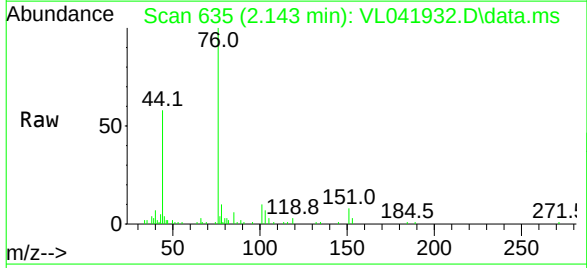
#27
Carbon Disulfide
Concen: 0.381 ppbv
RT: 2.143 min Scan# 639
Delta R.T. -0.013 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 76 Resp: 6481
Ion Ratio Lower Upper
76 100
44 72.7 15.4 23.0#
78 15.4 9.3 13.9#

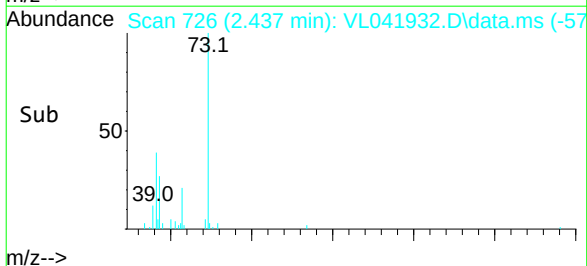
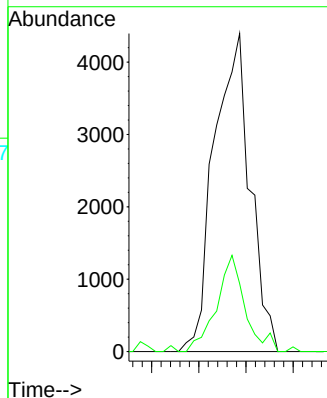
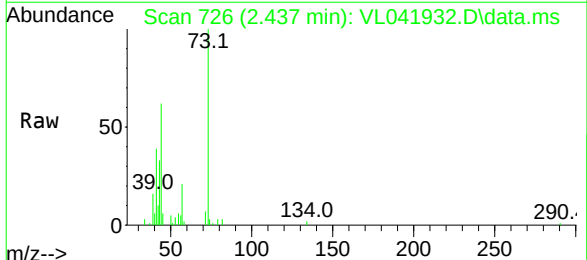
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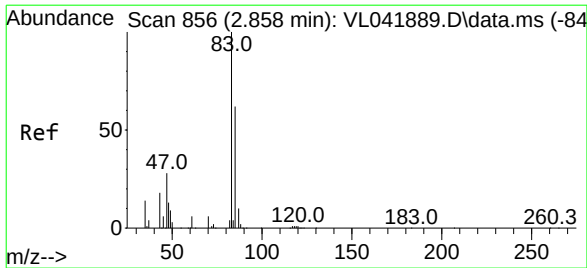
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#28
Methyl tert-Butyl Ether
Concen: 0.354 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.013 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Tgt Ion: 73 Resp: 4656
Ion Ratio Lower Upper
73 100
57 24.1 18.1 27.1





#29

Chloroform

Concen: 0.464 ppbv

RT: 2.839 min Scan# 85

Delta R.T. -0.019 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

Tgt Ion: 83 Resp: 12601

Ion Ratio Lower Upper

83 100

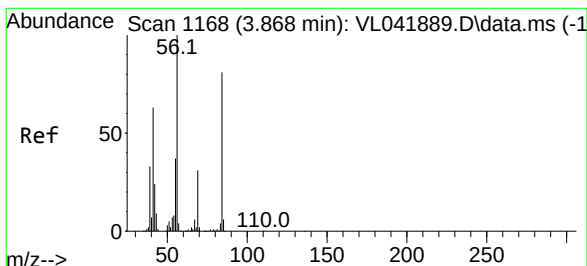
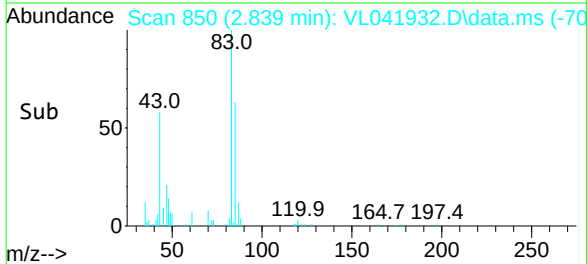
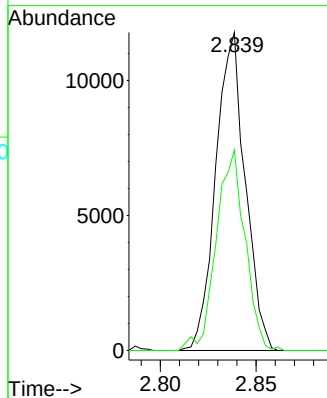
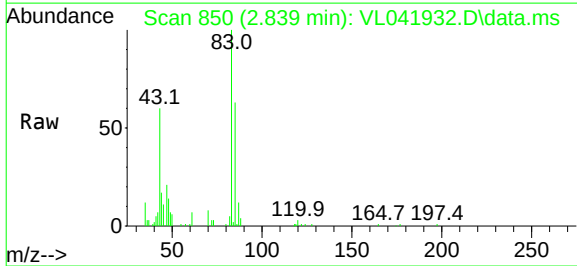
85 63.0 50.1 75.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#30

Cyclohexane

Concen: 0.365 ppbv

RT: 3.839 min Scan# 1159

Delta R.T. -0.029 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

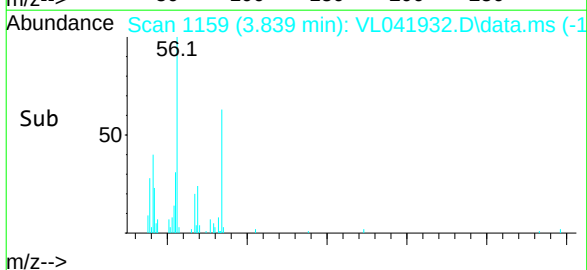
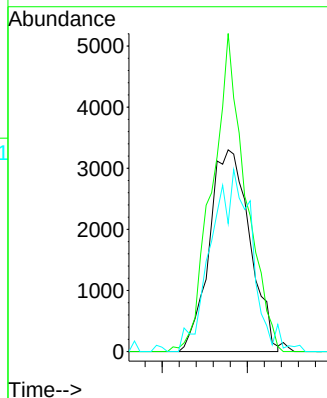
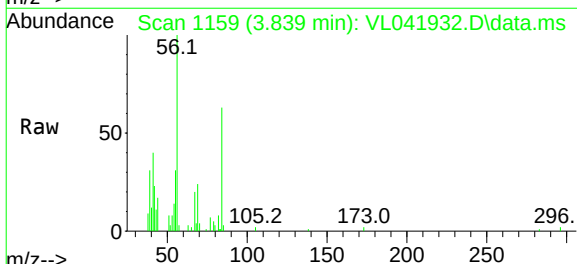
Tgt Ion: 84 Resp: 5443

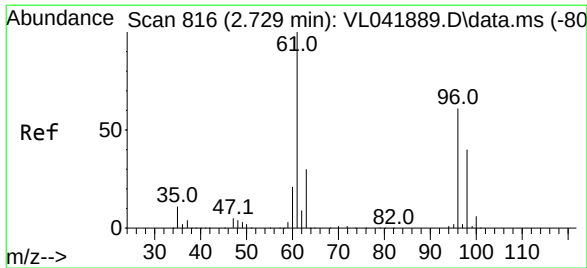
Ion Ratio Lower Upper

84 100

56 131.0 99.3 148.9

41 91.8 64.3 96.5





#31

cis-1,2-Dichloroethene

Concen: 0.416 ppbv

RT: 2.709 min Scan# 81

Delta R.T. -0.019 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

ClientSampleId :

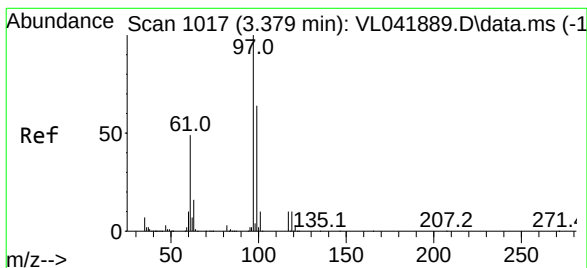
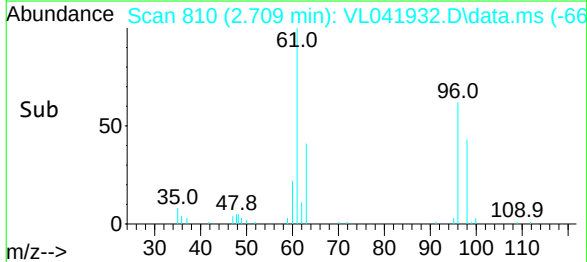
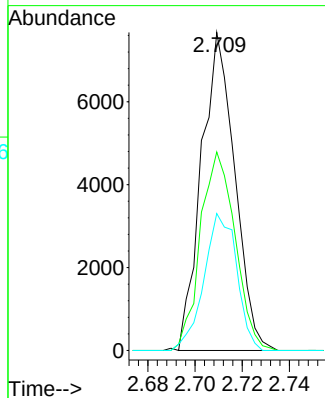
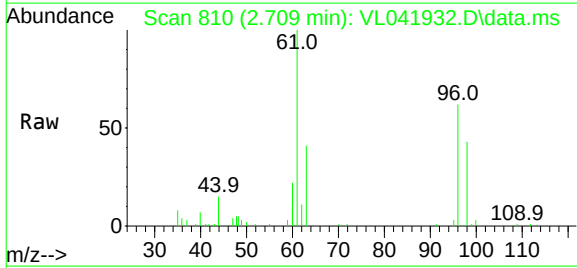
MDL 0.4

Tgt Ion:	61	Resp:	7537
Ion	Ratio	Lower	Upper
61	100		
96	62.4	48.7	73.1
98	43.1	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: 0.429 ppbv

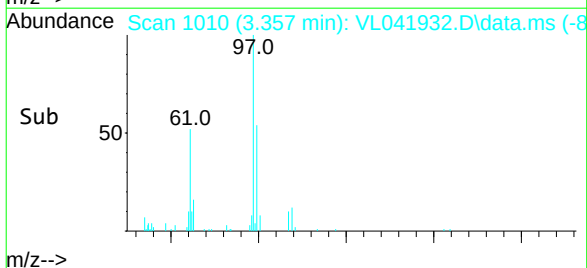
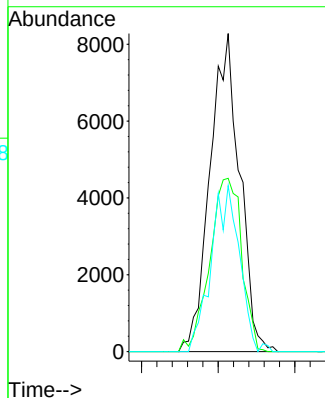
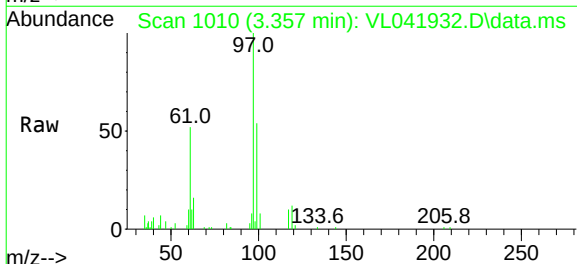
RT: 3.357 min Scan# 1010

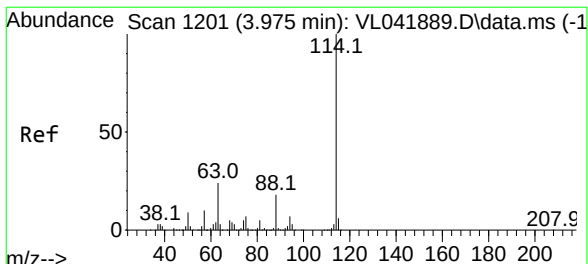
Delta R.T. -0.023 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Tgt Ion:	97	Resp:	11152
Ion	Ratio	Lower	Upper
97	100		
99	58.5	51.1	76.7
61	49.8	39.0	58.6





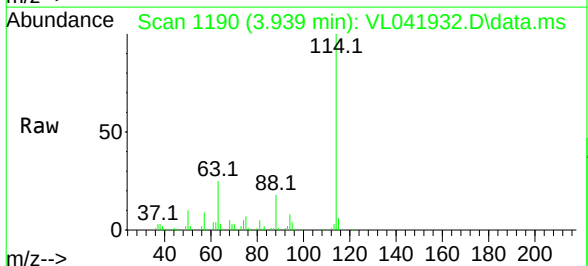
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.939 min Scan# 11
 Delta R.T. -0.036 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

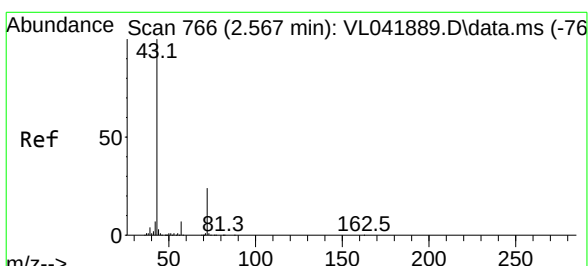
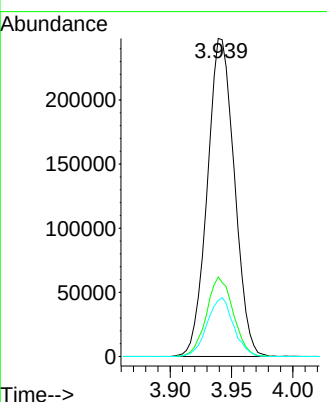
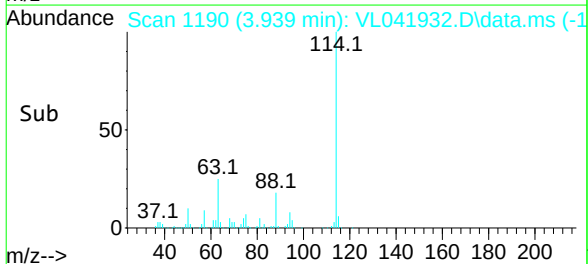


Tgt Ion: 114 Resp: 380797

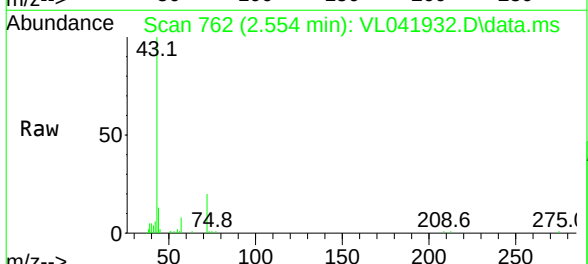
Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.8	29.6
88	17.9	14.4	21.6

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

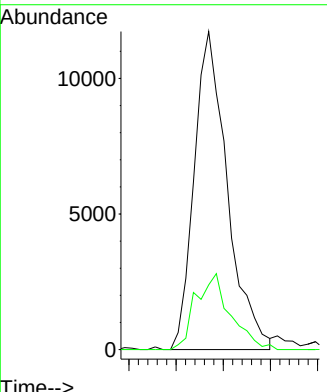
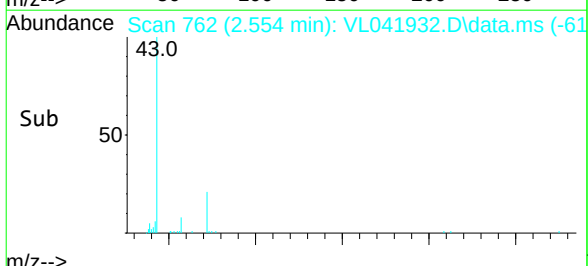


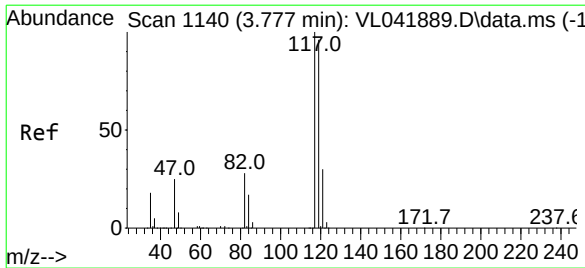
#34
 2-Butanone
 Concen: 0.474 ppbv
 RT: 2.554 min Scan# 762
 Delta R.T. -0.013 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30



Tgt Ion: 43 Resp: 11470

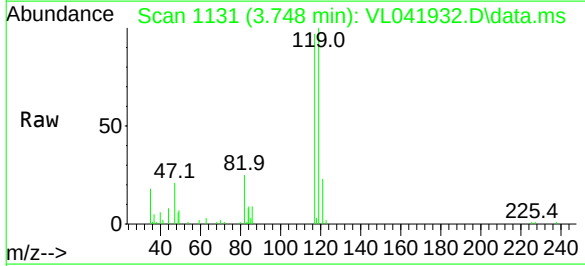
Ion	Ratio	Lower	Upper
43	100		
72	24.9	18.6	28.0





#35
Carbon Tetrachloride
Concen: 0.439 ppbv
RT: 3.748 min Scan# 111
Delta R.T. -0.029 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

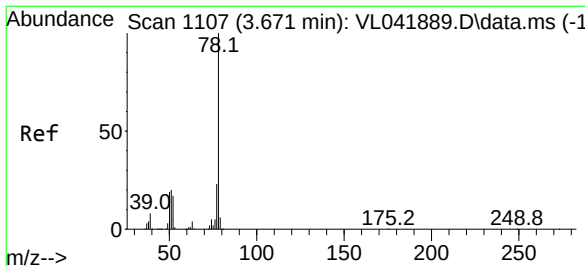
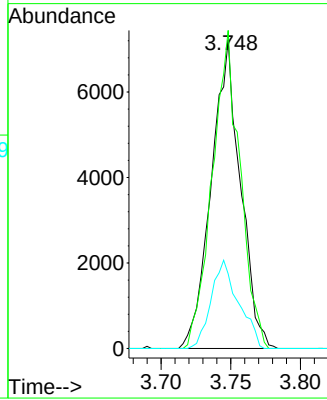
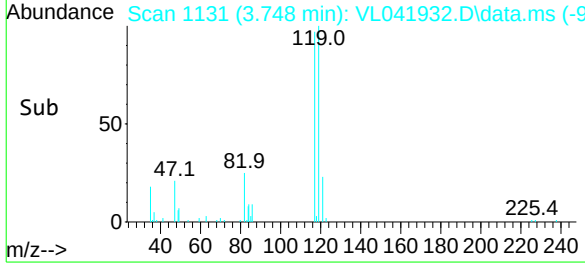
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



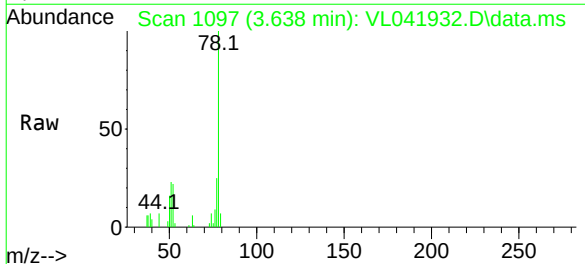
Tgt Ion: 117 Resp: 10508
Ion Ratio Lower Upper
117 100
119 103.0 76.9 115.3
121 24.2 23.8 35.6

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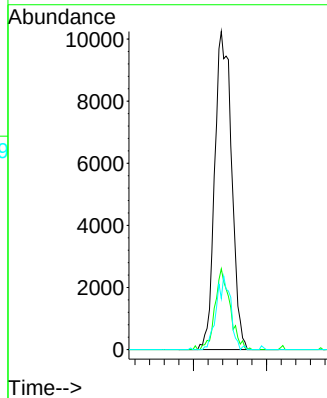
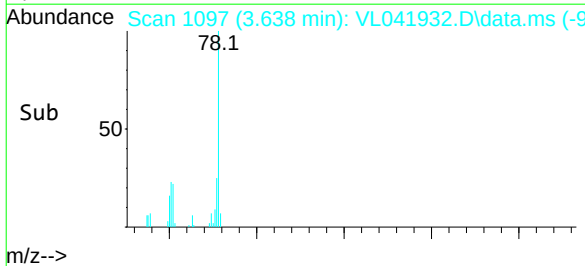
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

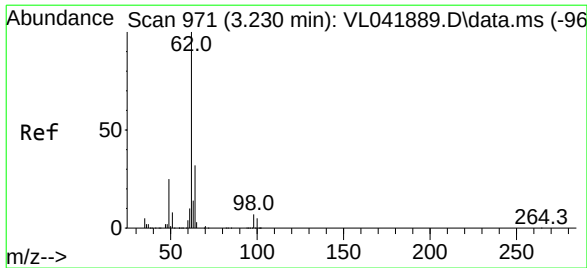


#36
Benzene
Concen: 0.468 ppbv m
RT: 3.638 min Scan# 1097
Delta R.T. -0.032 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30



Tgt Ion: 78 Resp: 16347
Ion Ratio Lower Upper
78 100
77 25.4 18.1 27.1
50 16.1 15.2 22.8





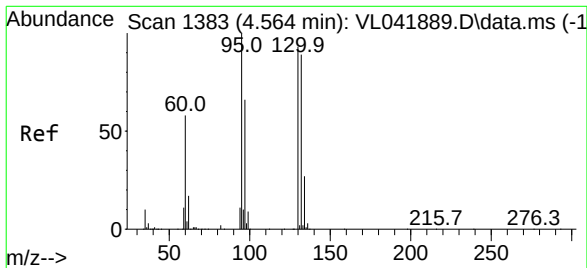
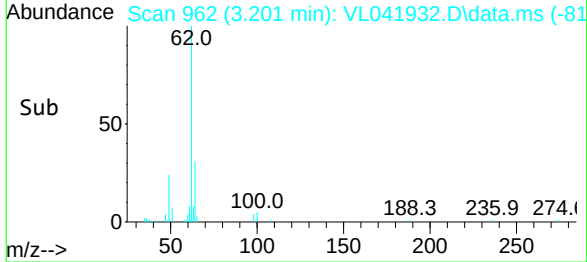
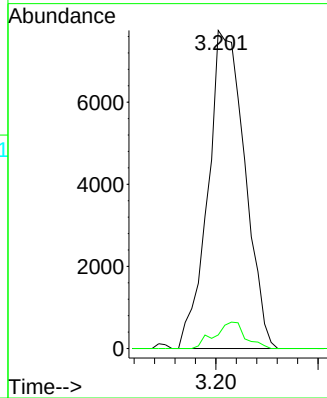
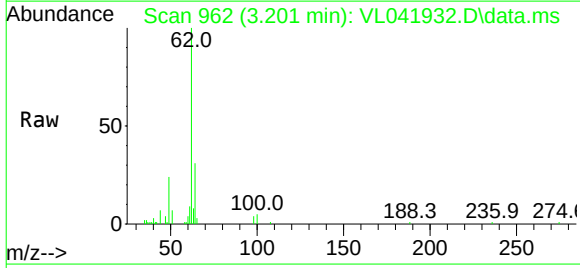
#37
1,2-Dichloroethane
Concen: 0.493 ppbv
RT: 3.201 min Scan# 962
Delta R.T. -0.029 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 62 Resp: 9662
Ion Ratio Lower Upper
62 100
98 6.9 5.4 8.0

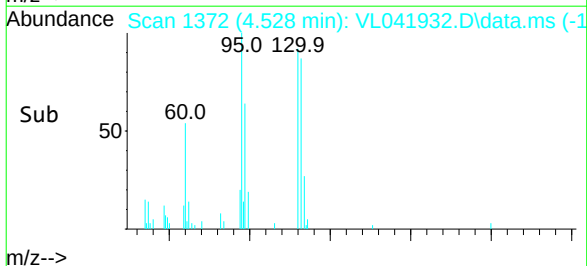
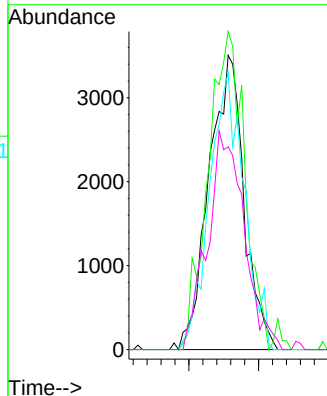
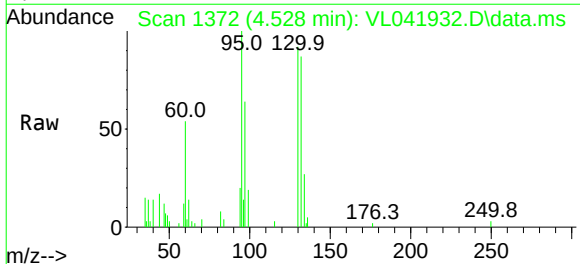
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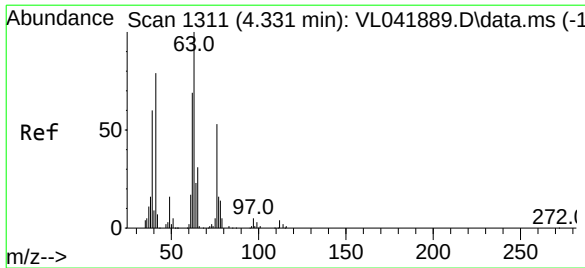
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#38
Trichloroethene
Concen: 0.439 ppbv
RT: 4.528 min Scan# 1372
Delta R.T. -0.036 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Tgt Ion:130 Resp: 6086
Ion Ratio Lower Upper
130 100
95 108.1 85.8 128.8
132 94.2 76.5 114.7
97 68.9 56.8 85.2





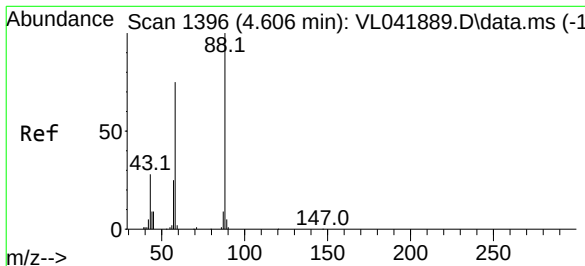
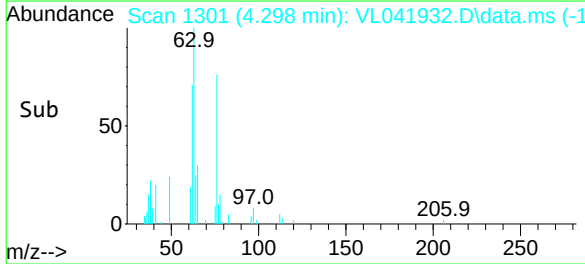
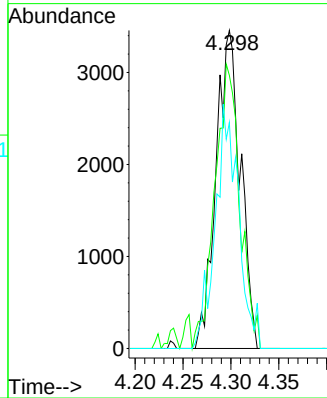
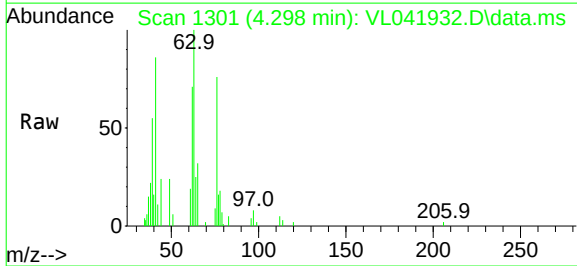
#39
1,2-Dichloropropane
Concen: 0.500 ppbv m
RT: 4.298 min Scan# 1311
Delta R.T. -0.032 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Instrument : MSVOA_L
ClientSampleId : MDL 0.4

Tgt Ion: 63	Resp: 6124
Ion Ratio	Lower Upper
63 100	
41 85.9	63.7 95.5
62 71.1	55.4 83.2

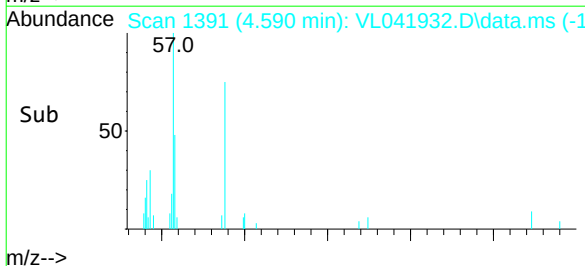
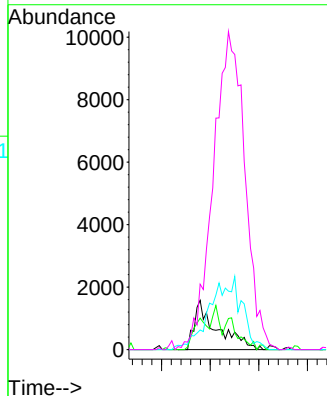
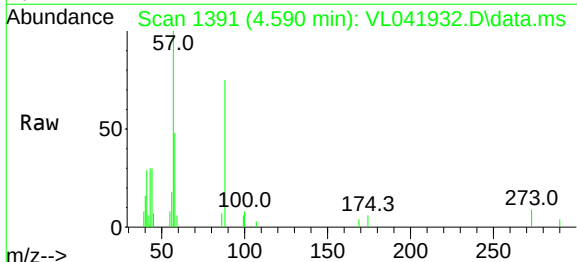
Manual Integrations
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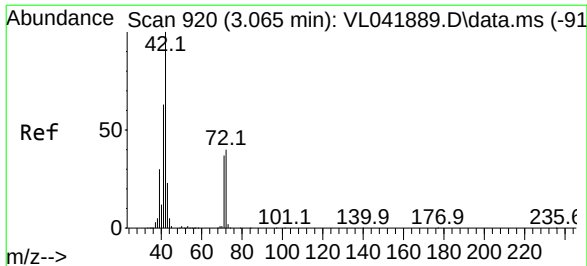
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#40
1,4-Dioxane
Concen: 0.420 ppbv m
RT: 4.590 min Scan# 1391
Delta R.T. -0.016 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Tgt Ion: 88	Resp: 2600
Ion Ratio	Lower Upper
88 100	
58 0.0	62.1 93.1#
43 0.0	0.0 0.0
57 0.0	0.0 0.0





#41

Tetrahydrofuran

Concen: 0.389 ppbv m

RT: 3.052 min Scan# 91

Delta R.T. -0.013 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

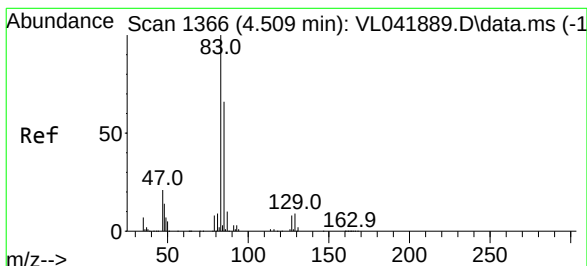
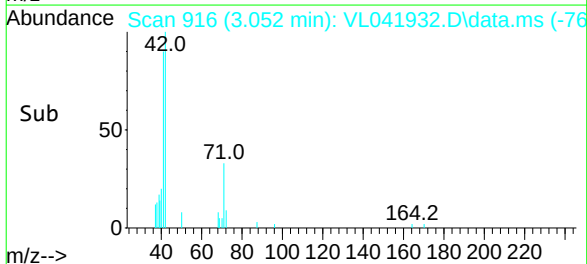
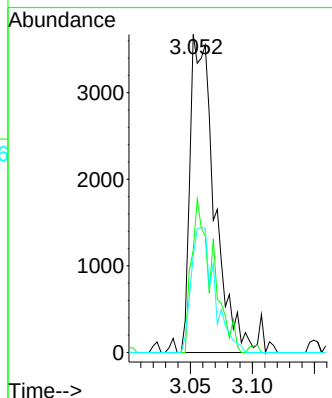
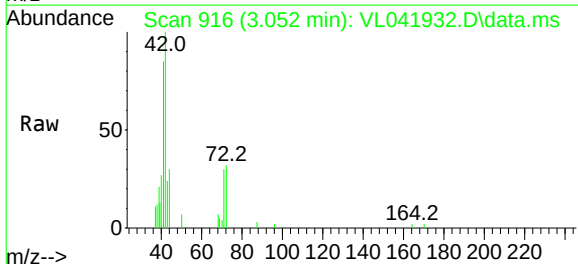
ClientSampleId :

MDL 0.4

Tgt Ion:	42	Resp:	5117
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.3	48.5#
71	0.0	29.9	44.9#

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



#42

Bromodichloromethane

Concen: 0.415 ppbv

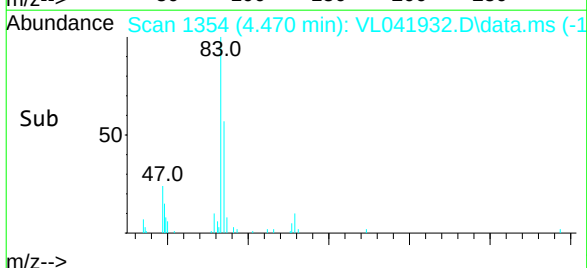
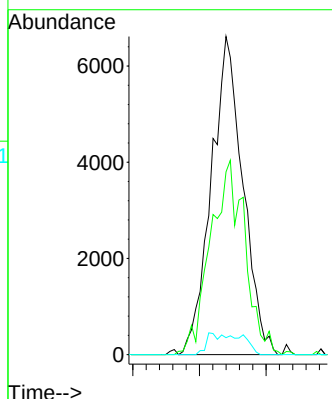
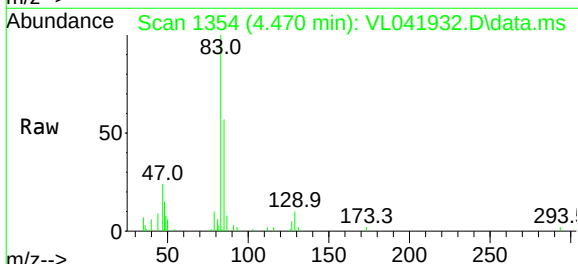
RT: 4.470 min Scan# 1354

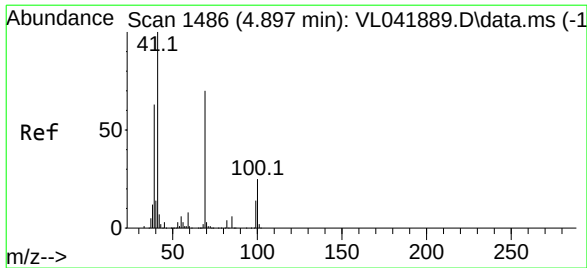
Delta R.T. -0.039 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Tgt Ion:	83	Resp:	10924
Ion	Ratio	Lower	Upper
83	100		
85	56.4	52.6	78.8
127	5.3	6.4	9.6#





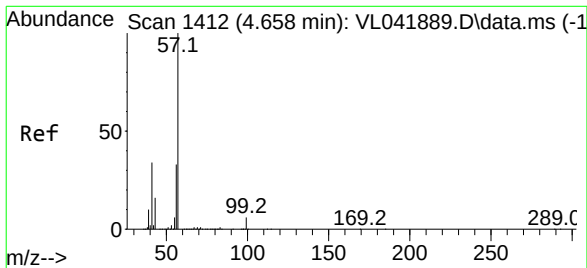
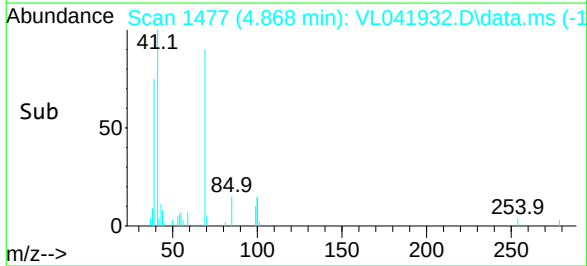
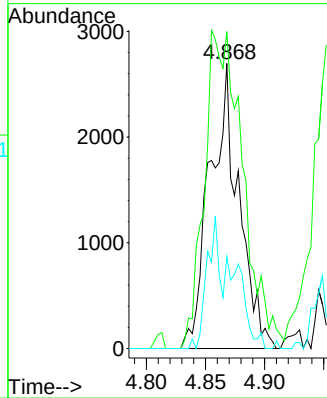
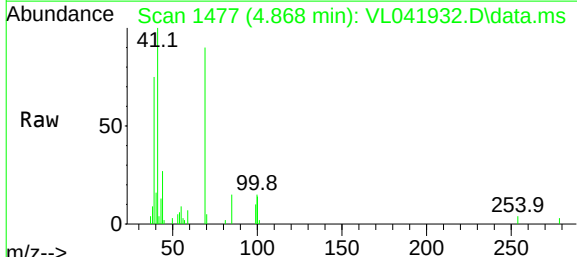
#43
Methyl Methacrylate
Concen: 0.354 ppbv m
RT: 4.868 min Scan# 14
Delta R.T. -0.029 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 69 Resp: 4596
Ion Ratio Lower Upper
69 100
41 147.7 118.6 177.8
100 40.4 29.3 43.9

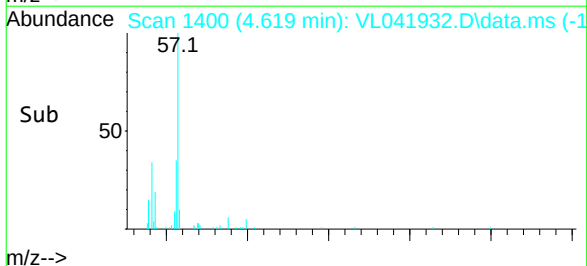
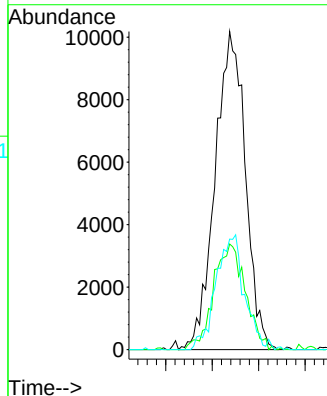
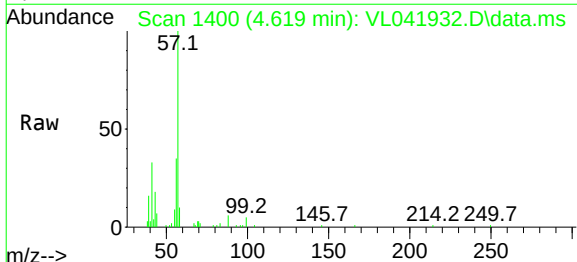
Manual Integrations
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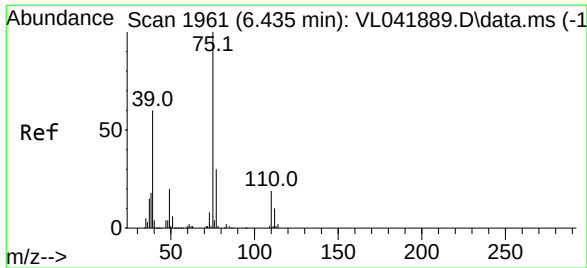
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#44
2,2,4-Trimethylpentane
Concen: 0.408 ppbv
RT: 4.619 min Scan# 1400
Delta R.T. -0.039 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Tgt Ion: 57 Resp: 23065
Ion Ratio Lower Upper
57 100
41 35.0 26.6 40.0
56 34.1 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 0.266 ppbv m

RT: 6.389 min Scan# 19

Delta R.T. -0.045 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

Tgt Ion: 75 Resp: 3227

Ion Ratio Lower Upper

75 100

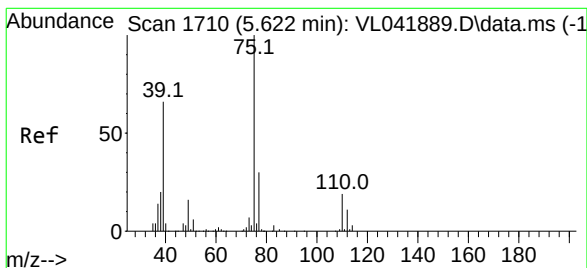
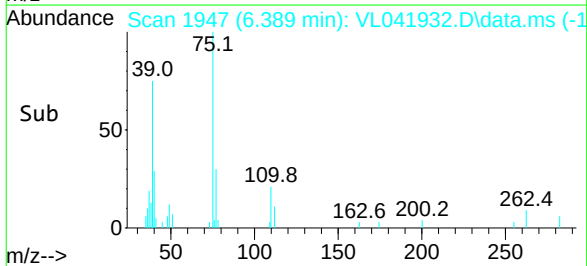
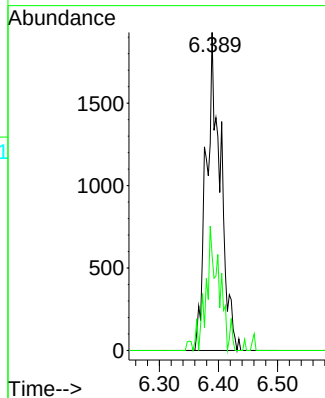
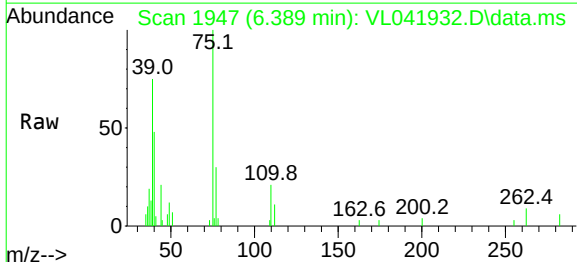
77 29.9 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#46

cis-1,3-Dichloropropene

Concen: 0.333 ppbv m

RT: 5.574 min Scan# 1695

Delta R.T. -0.049 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

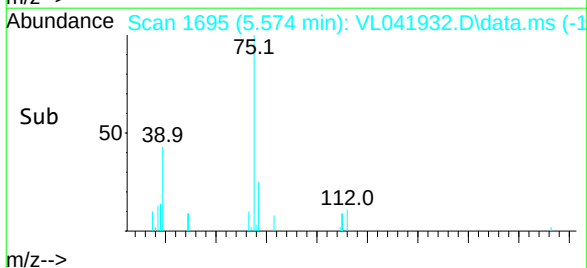
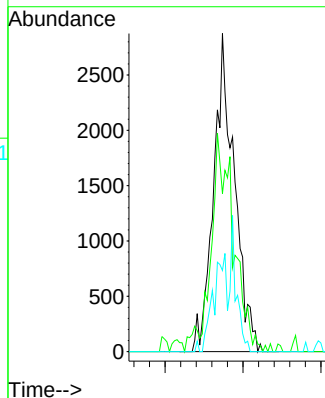
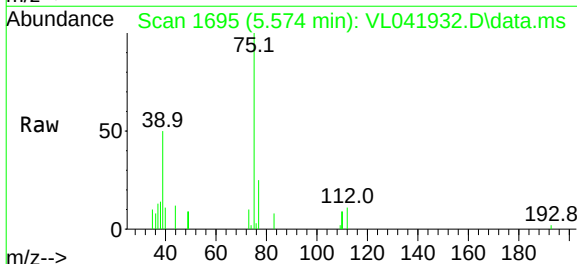
Tgt Ion: 75 Resp: 5304

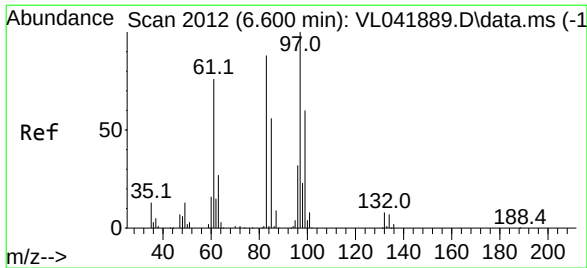
Ion Ratio Lower Upper

75 100

39 49.7 53.1 79.7#

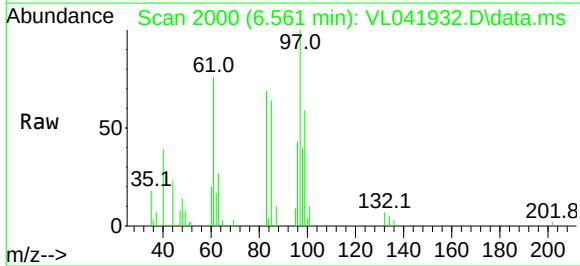
77 25.5 23.8 35.8





#47
 1,1,2-Trichloroethane
 Concen: 0.465 ppbv m
 RT: 6.561 min Scan# 2012
 Delta R.T. -0.039 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30

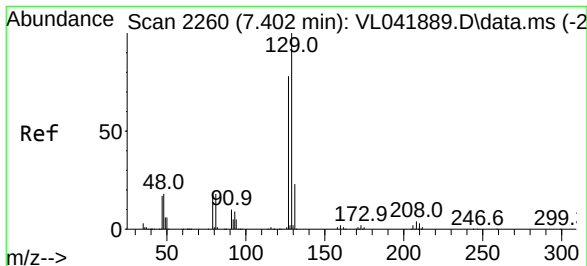
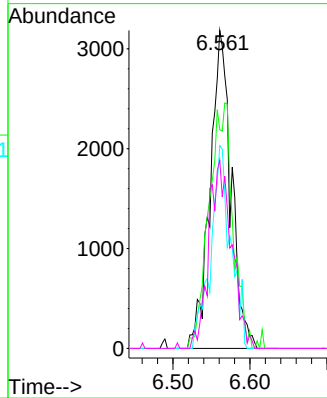
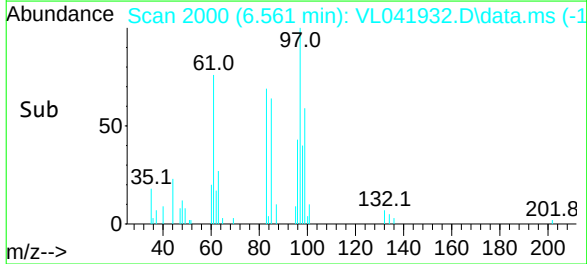
Instrument : MSVOA_L
 ClientSampleId : MDL 0.4



Tgt Ion	Ratio	Lower	Upper
97	100		
83	68.8	70.4	105.6
85	63.8	45.0	67.4
99	59.3	48.1	72.1

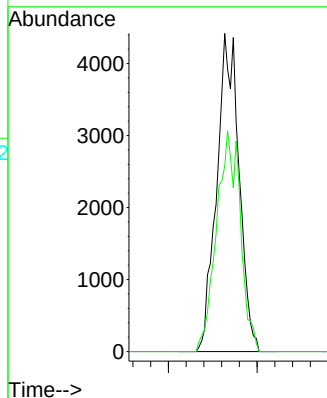
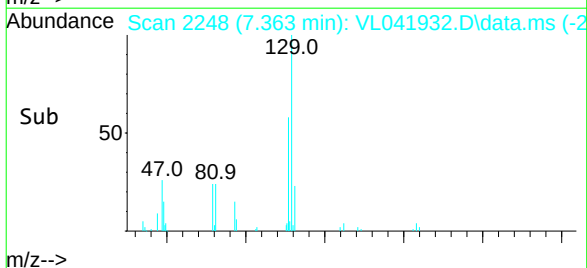
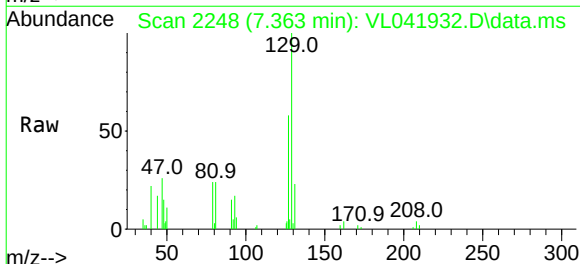
Manual Integrations
 APPROVED

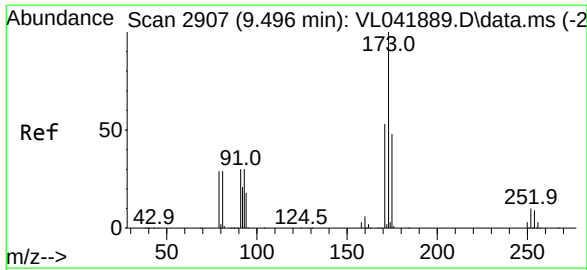
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025



#48
 Dibromochloromethane
 Concen: 0.385 ppbv m
 RT: 7.363 min Scan# 2248
 Delta R.T. -0.039 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.6	39.3	117.8





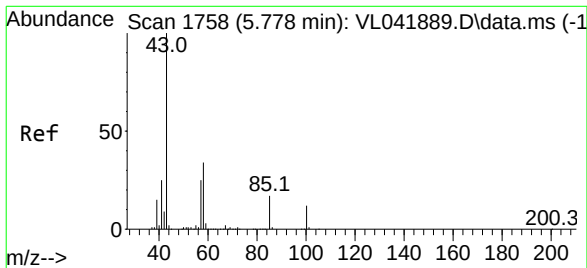
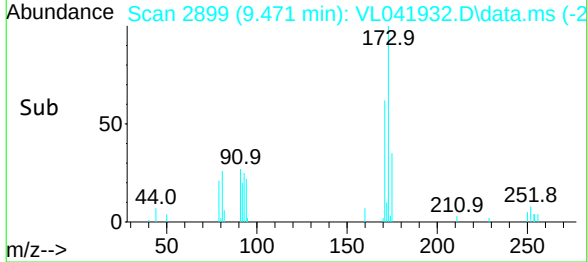
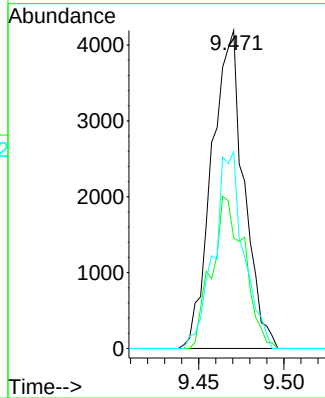
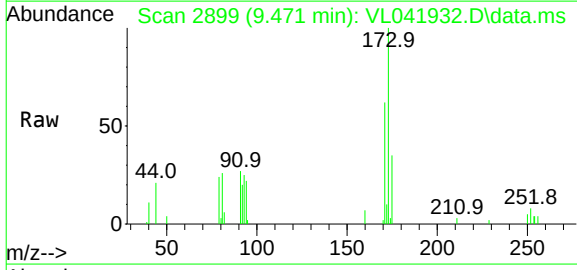
#49
Bromoform
Concen: 0.335 ppbv
RT: 9.471 min Scan# 28
Delta R.T. -0.026 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.4	57.6
171	57.5	41.4	62.2

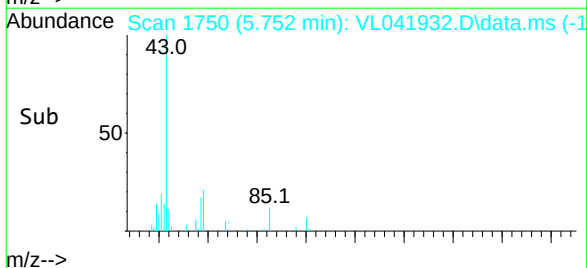
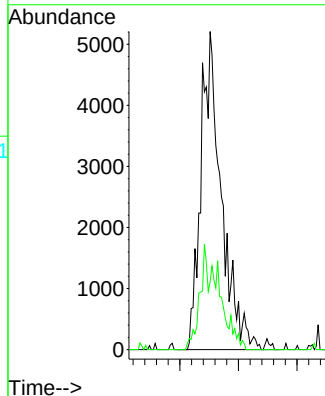
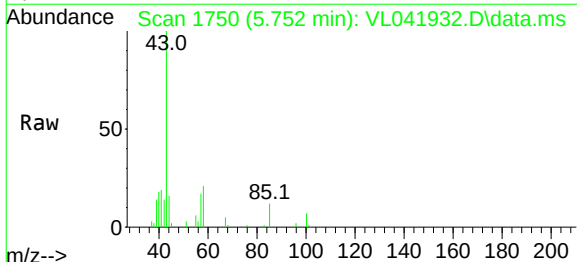
Manual Integrations
APPROVED

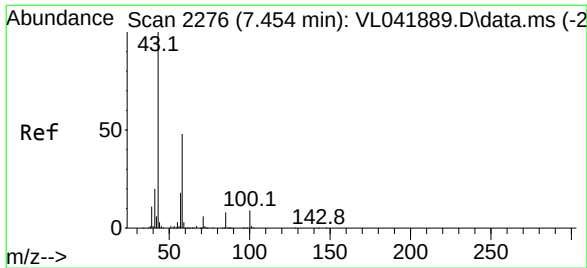
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#50
4-Methyl-2-Pentanone
Concen: 0.384 ppbv m
RT: 5.752 min Scan# 1750
Delta R.T. -0.026 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.6	29.0	43.6





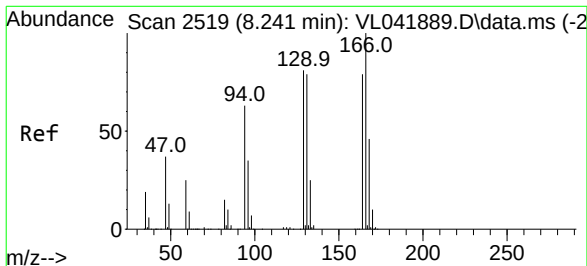
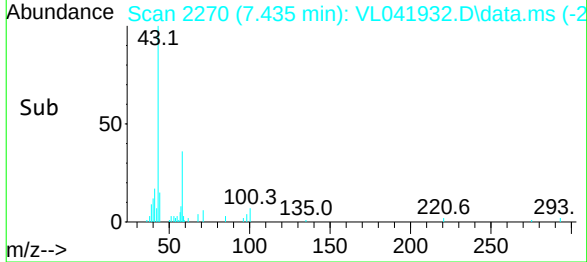
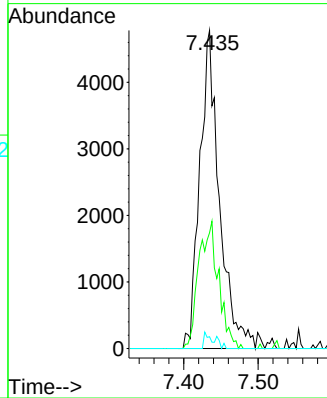
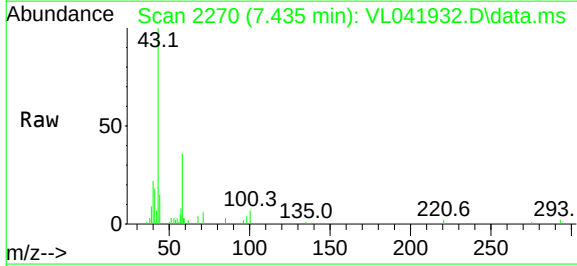
#51
2-Hexanone
Concen: 0.350 ppbv m
RT: 7.435 min Scan# 2276
Delta R.T. -0.019 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Instrument : MSVOA_L
ClientSampleId : MDL 0.4

Tgt Ion: 43	Resp: 8881
Ion Ratio	Lower Upper
43 100	
58 0.0	40.4 60.6
98 0.0	0.2 0.2

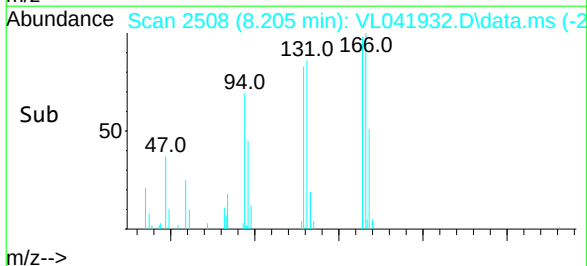
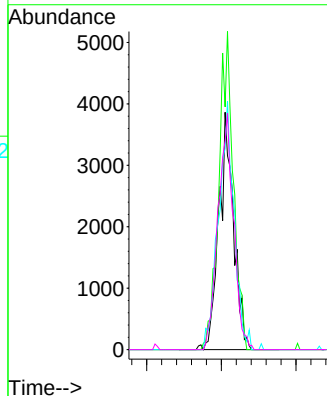
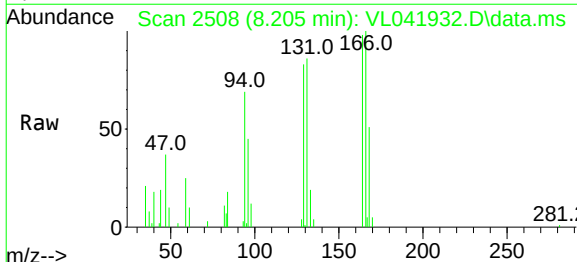
Manual Integrations
APPROVED

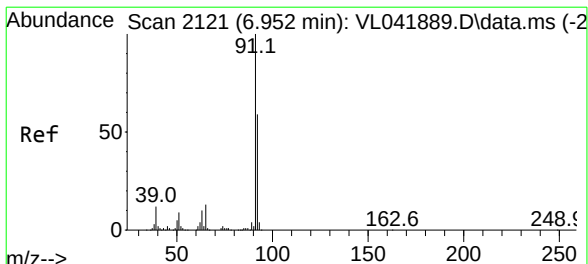
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#52
Tetrachloroethene
Concen: 0.438 ppbv m
RT: 8.205 min Scan# 2508
Delta R.T. -0.036 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Tgt Ion: 164	Resp: 5299
Ion Ratio	Lower Upper
164 100	
166 102.3	100.8 151.2
129 84.7	82.0 123.0
131 87.9	80.2 120.2





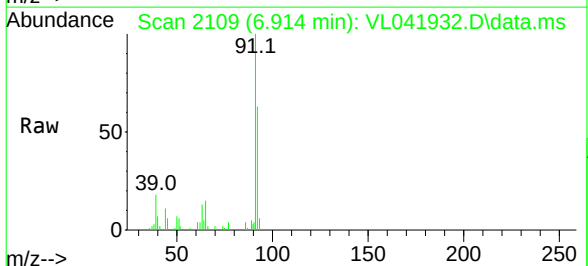
#53
Toluene
Concen: 0.327 ppbv m
RT: 6.914 min Scan# 211
Delta R.T. -0.039 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

ClientSampleId :

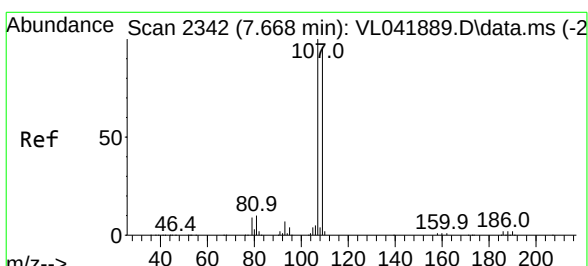
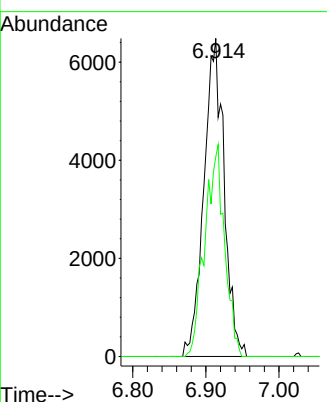
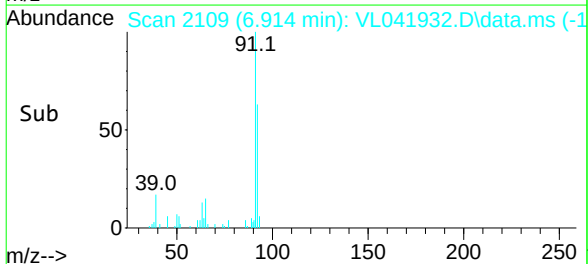
MDL 0.4



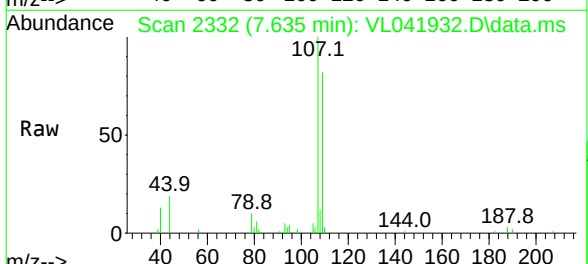
Tgt Ion: 91 Resp: 12437
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#

Manual Integrations
APPROVED

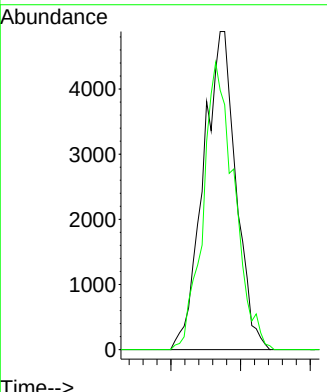
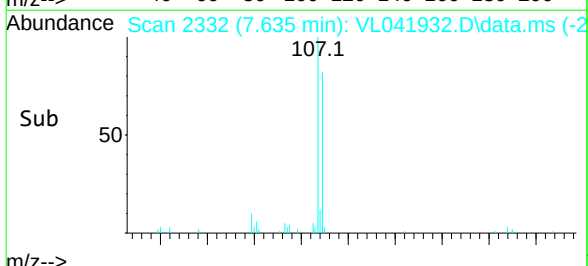
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

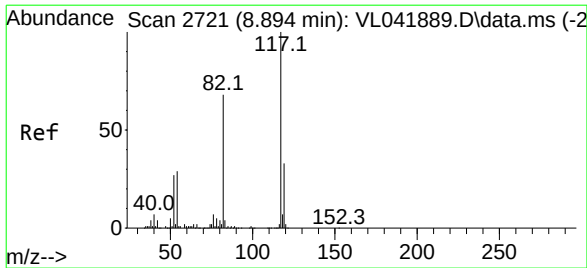


#54
1,2-Dibromoethane
Concen: 0.446 ppbv
RT: 7.635 min Scan# 2332
Delta R.T. -0.032 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30



Tgt Ion:107 Resp: 7957
Ion Ratio Lower Upper
107 100
109 81.5 76.7 115.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.865 min Scan# 2721

Delta R.T. -0.029 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

ClientSampleId :

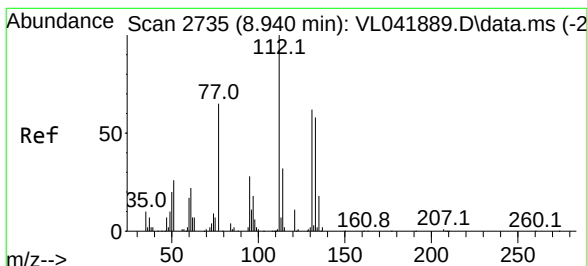
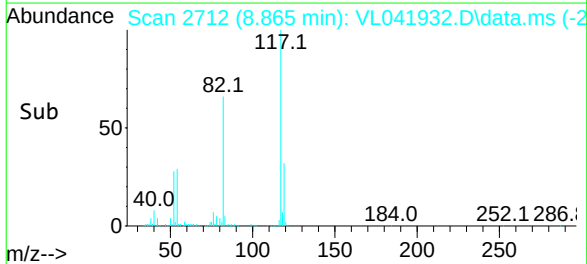
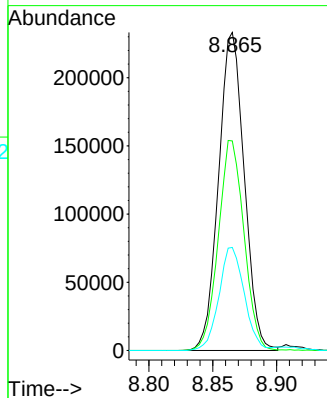
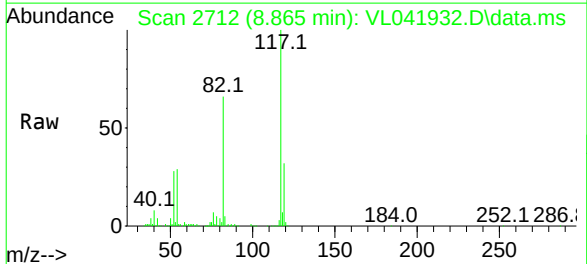
MDL 0.4

Tgt Ion:	117	Resp:	326374
Ion	Ratio	Lower	Upper
117	100		
82	66.1	54.2	81.4
119	33.2	25.0	37.6

Manual Integrations

APPROVED

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



#56

1,1,1,2-Tetrachloroethane

Concen: 0.410 ppbv

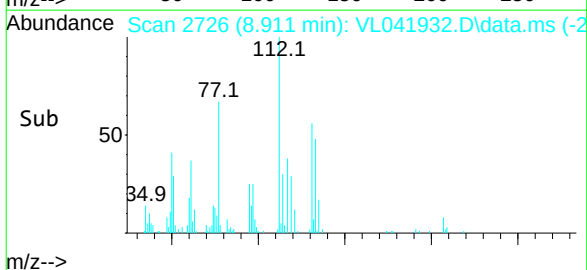
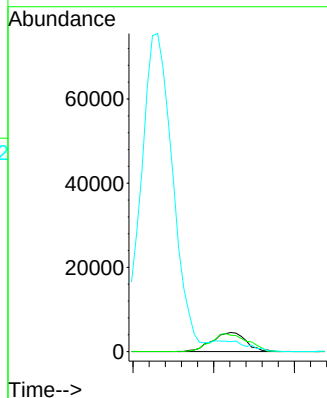
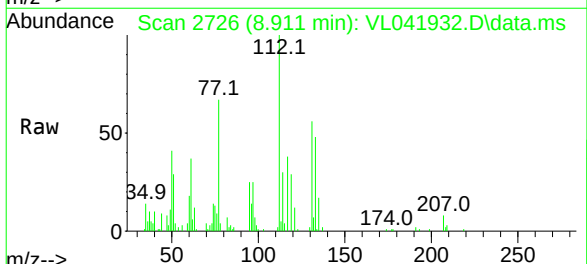
RT: 8.911 min Scan# 2726

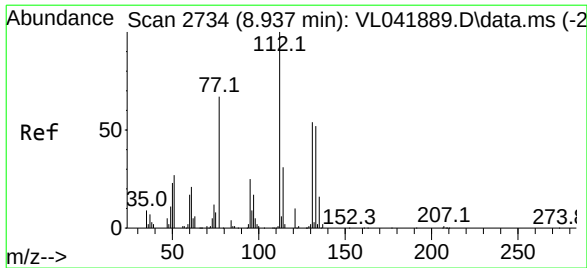
Delta R.T. -0.029 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

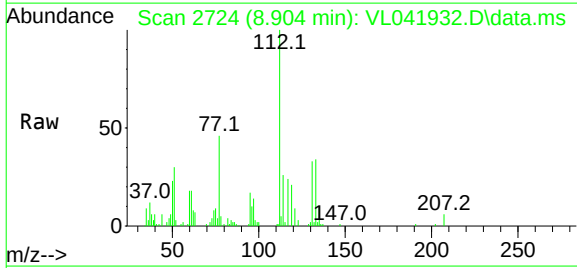
Tgt Ion:	131	Resp:	6670
Ion	Ratio	Lower	Upper
131	100		
133	100.6	76.0	114.0
119	1627.0	49.7	74.5#





#57
Chlorobenzene
Concen: 0.497 ppbv
RT: 8.904 min Scan# 2711
Delta R.T. -0.032 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

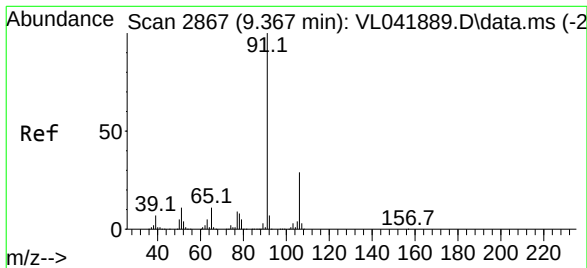
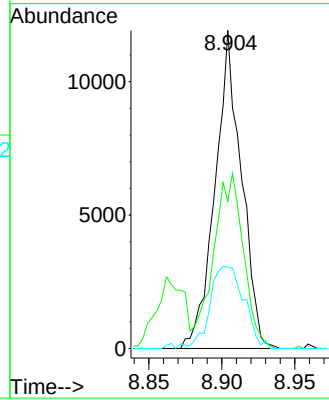
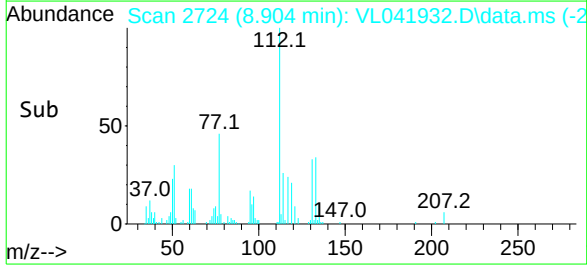
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion: 112 Resp: 14959
Ion Ratio Lower Upper
112 100
77 46.3 54.6 82.0#
114 25.5 28.2 34.4#

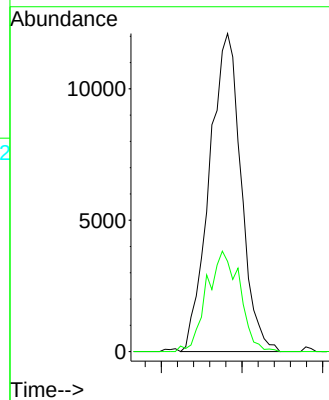
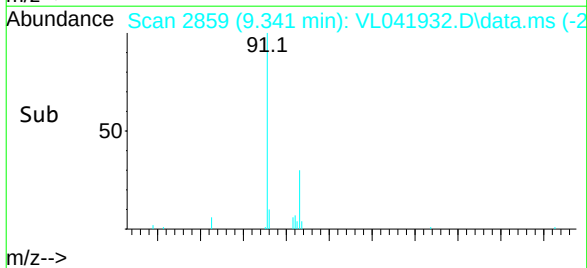
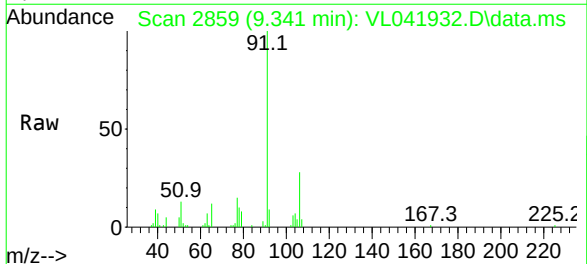
Manual Integrations
APPROVED

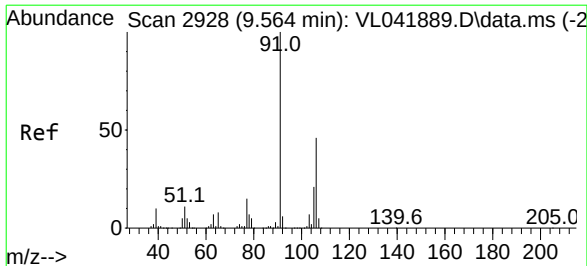
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#58
Ethyl Benzene
Concen: 0.324 ppbv
RT: 9.341 min Scan# 2859
Delta R.T. -0.026 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Tgt Ion: 91 Resp: 16531
Ion Ratio Lower Upper
91 100
106 28.4 23.1 34.7





#59

m/p-Xylene

Concen: 0.642 ppbv m

RT: 9.535 min Scan# 2919

Delta R.T. -0.029 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

Tgt Ion: 91 Resp: 26243

Ion Ratio Lower Upper

91 100

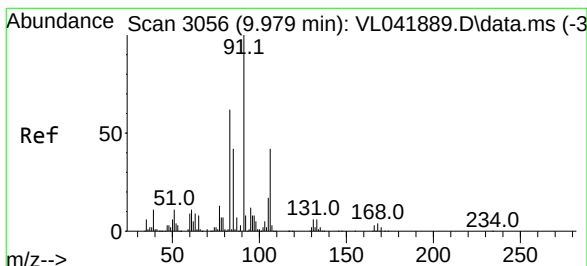
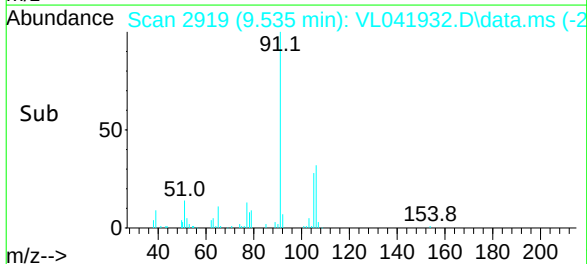
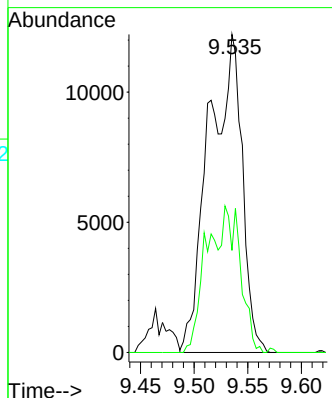
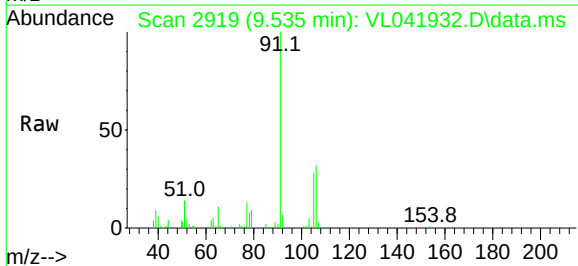
106 46.3 36.0 54.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#60

o-Xylene

Concen: 0.331 ppbv

RT: 9.953 min Scan# 3048

Delta R.T. -0.026 min

Lab File: VL041932.D

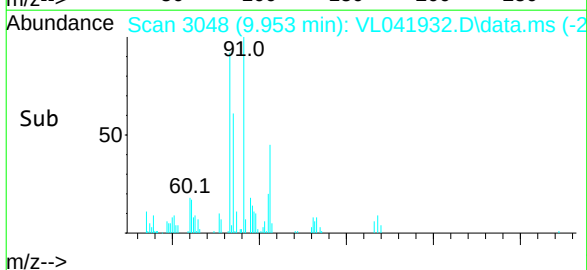
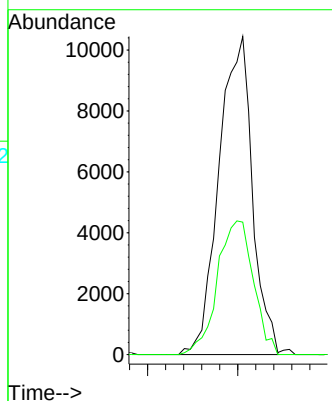
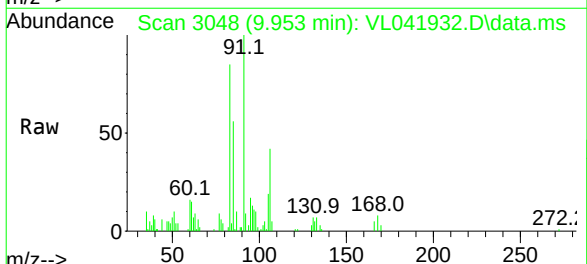
Acq: 20 Jan 2025 22:30

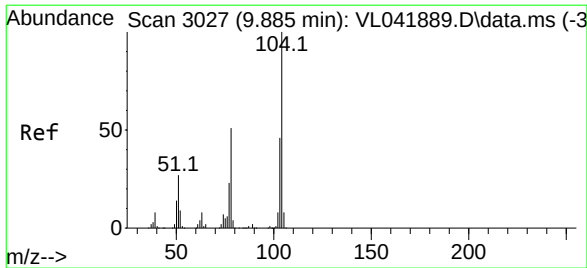
Tgt Ion: 91 Resp: 13421

Ion Ratio Lower Upper

91 100

106 45.4 21.3 63.9





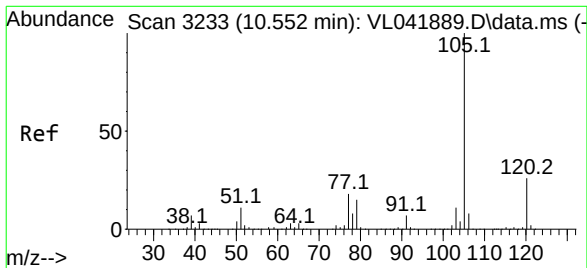
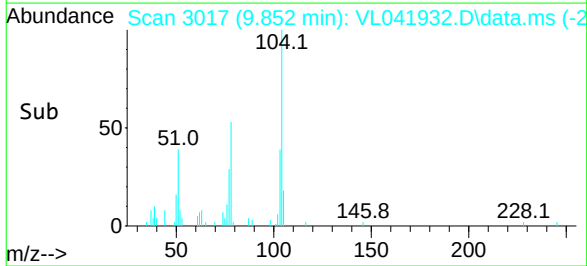
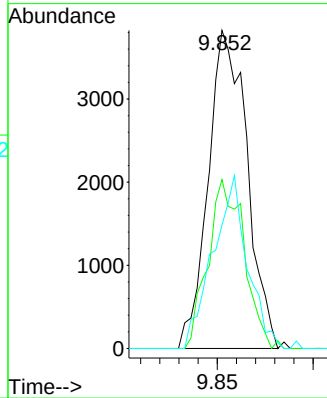
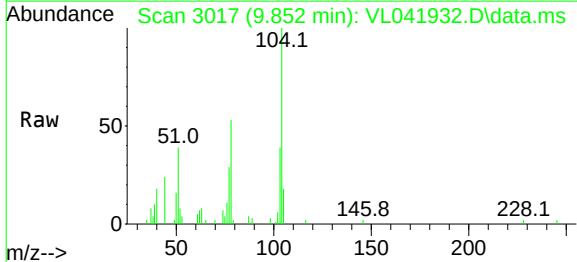
#61
Styrene
Concen: 0.296 ppbv
RT: 9.852 min Scan# 3027
Delta R.T. -0.032 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Instrument : MSVOA_L
ClientSampleId : MDL 0.4

Tgt Ion:104	Resp: 5382
Ion Ratio Lower Upper	
104 100	
78 49.3 41.0 61.6	
103 48.6 37.2 55.8	

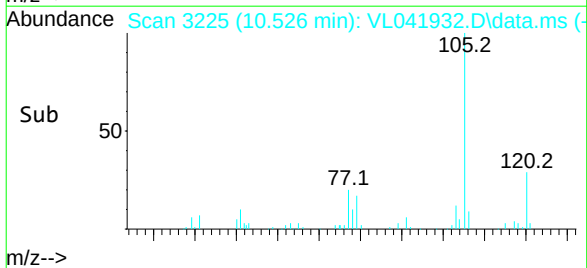
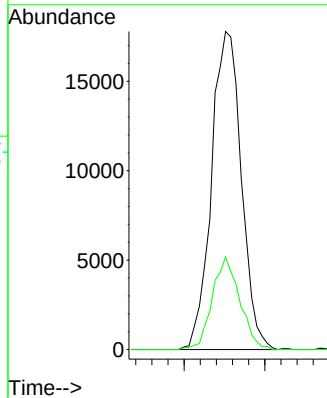
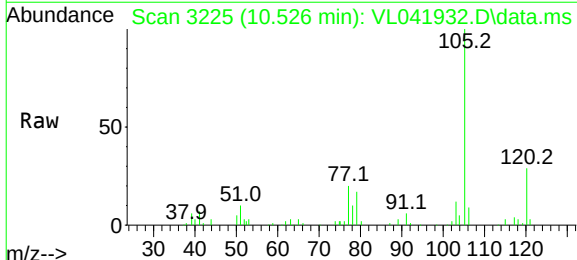
Manual Integrations
APPROVED

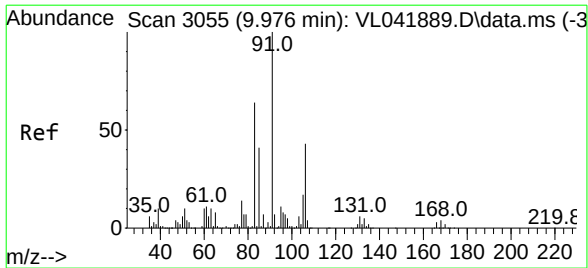
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#62
Isopropylbenzene
Concen: 0.364 ppbv
RT: 10.526 min Scan# 3225
Delta R.T. -0.026 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

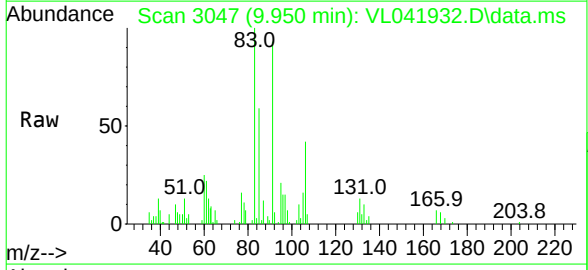
Tgt Ion:105	Resp: 22844
Ion Ratio Lower Upper	
105 100	
120 26.8 20.3 30.5	





#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.509 ppbv
 RT: 9.950 min Scan# 3047
 Delta R.T. -0.026 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30

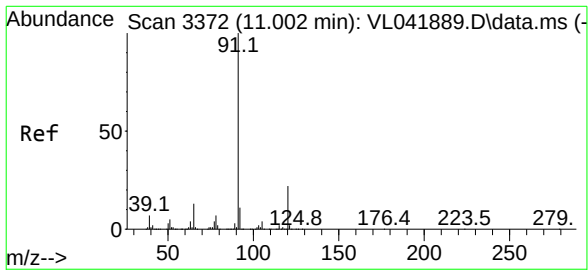
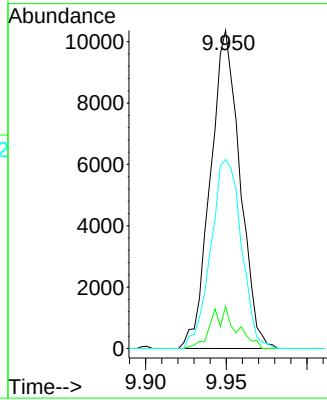
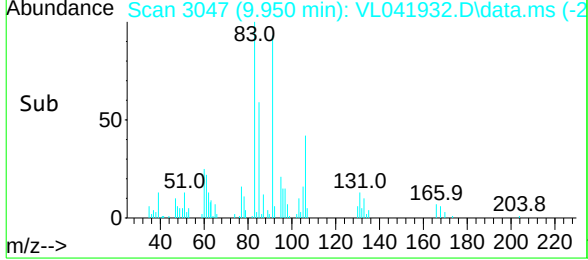
Instrument : MSVOA_L
 ClientSampleId : MDL 0.4



Tgt Ion:	83	Resp:	13187
Ion	Ratio	Lower	Upper
83	100		
131	11.3	4.8	14.4
85	61.6	32.4	97.2

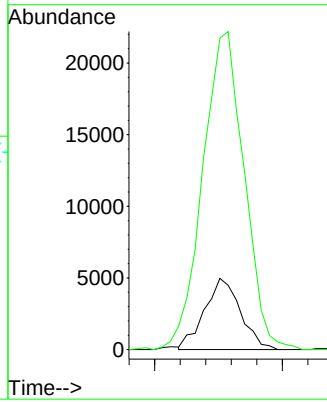
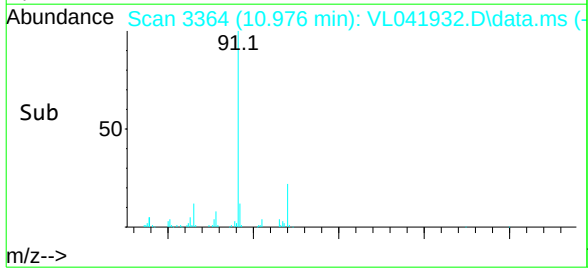
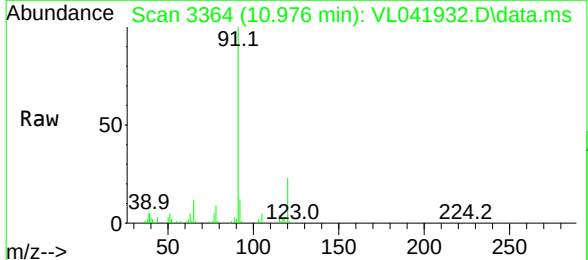
Manual Integrations
 APPROVED

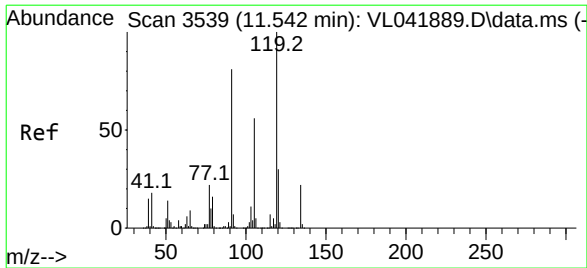
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025



#64
 n-propylbenzene
 Concen: 0.307 ppbv
 RT: 10.976 min Scan# 3364
 Delta R.T. -0.026 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30

Tgt Ion:	120	Resp:	4867
Ion	Ratio	Lower	Upper
120	100		
91	515.4	374.1	561.1





#65

tert-Butylbenzene

Concen: 0.331 ppbv

RT: 11.523 min Scan# 3539

Delta R.T. -0.019 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

ClientSampleId :

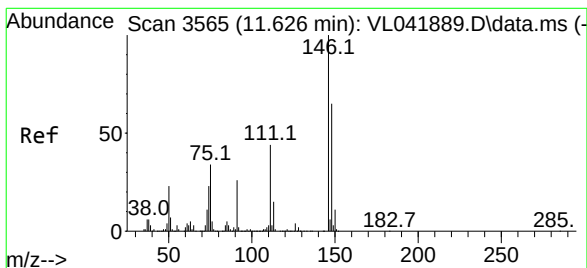
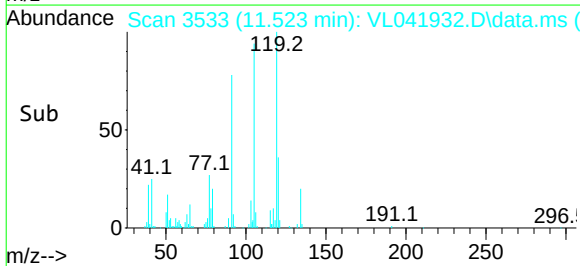
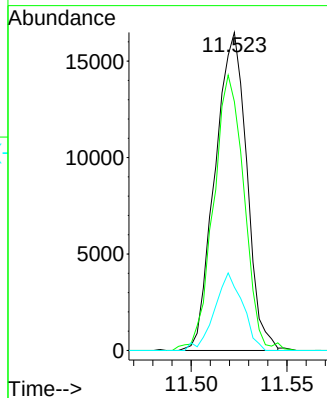
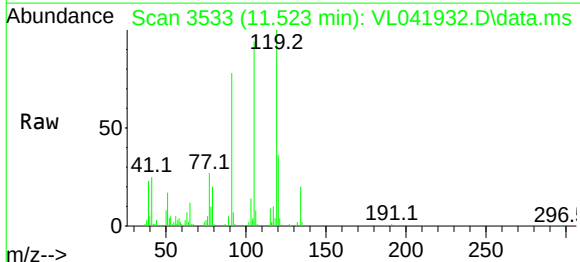
MDL 0.4

Tgt Ion:	119	Resp:	18954
Ion Ratio	Lower	Upper	
119	100		
91	83.2	64.6	97.0
134	21.6	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: 0.332 ppbv m

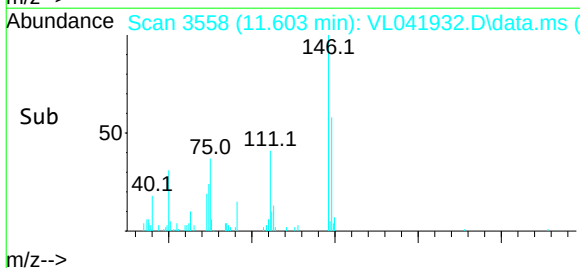
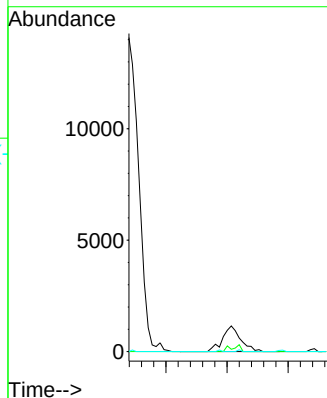
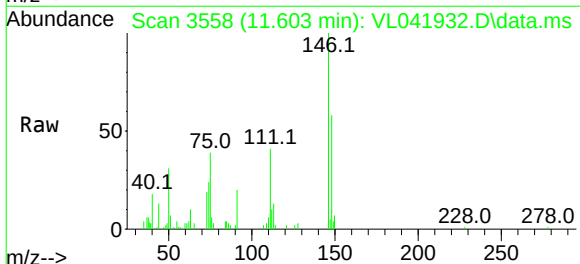
RT: 11.603 min Scan# 3558

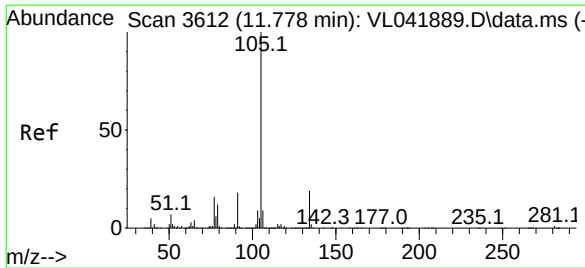
Delta R.T. -0.023 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Tgt Ion:	91	Resp:	1175
Ion Ratio	Lower	Upper	
91	100		
126	13.7	14.1	21.1#
128	2.6	4.3	6.5#





#67

sec-Butylbenzene

Concen: 0.332 ppbv

RT: 11.759 min Scan# 3612

Delta R.T. -0.019 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

ClientSampleId :

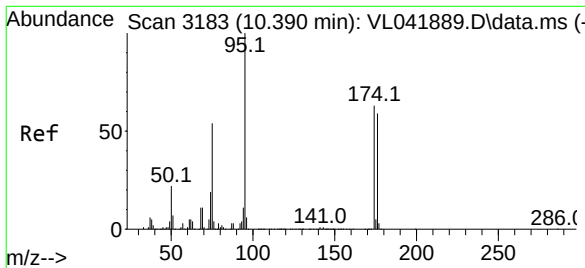
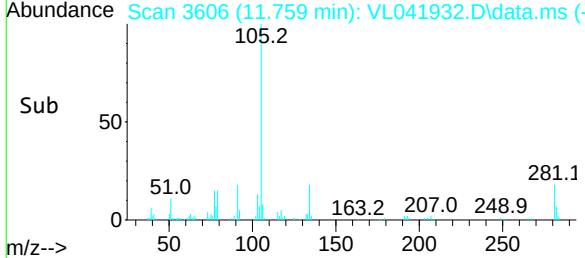
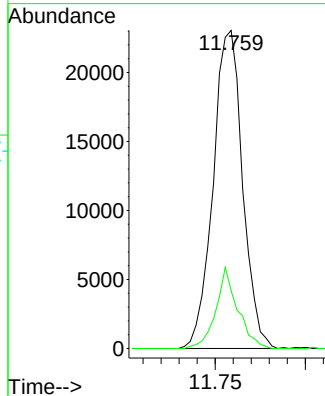
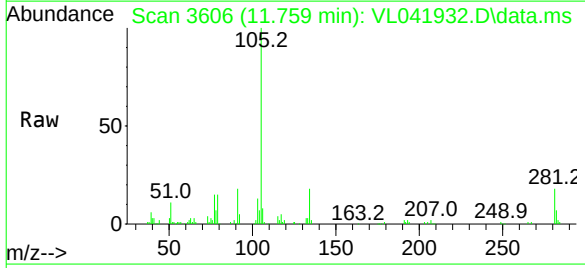
MDL 0.4

Tgt Ion: 105 Resp: 26136
 Ion Ratio Lower Upper
 105 100
 134 18.9 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

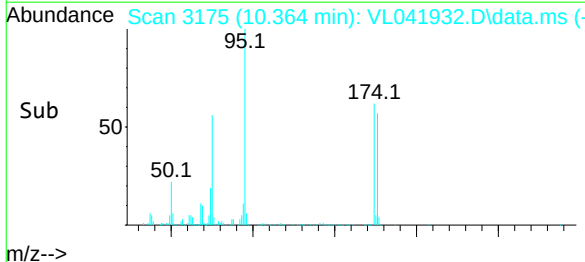
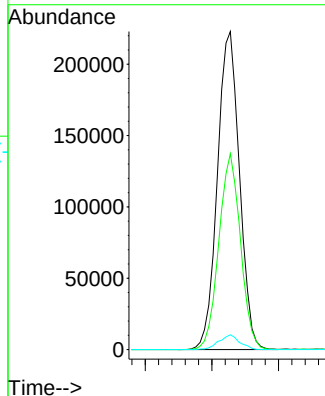
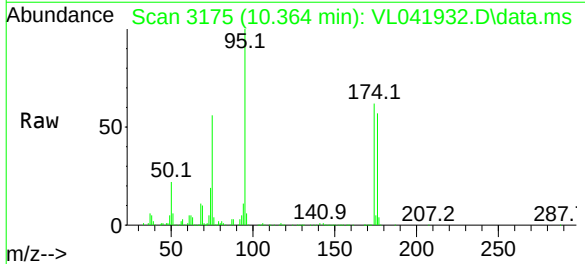
RT: 10.364 min Scan# 3175

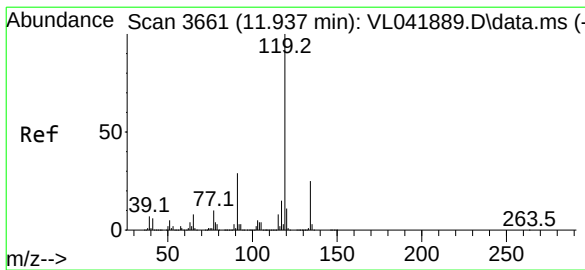
Delta R.T. -0.026 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Tgt Ion: 95 Resp: 256221
 Ion Ratio Lower Upper
 95 100
 174 60.3 49.0 73.4
 175 4.4 3.8 5.8





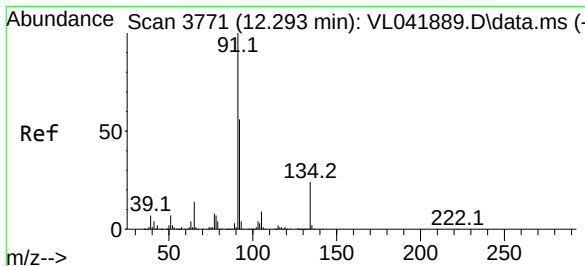
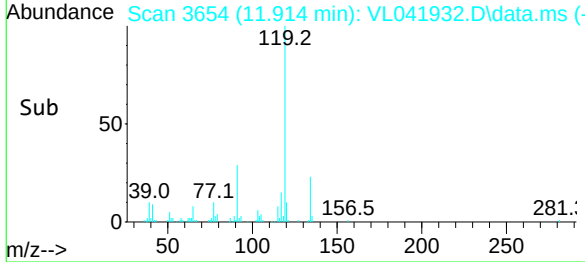
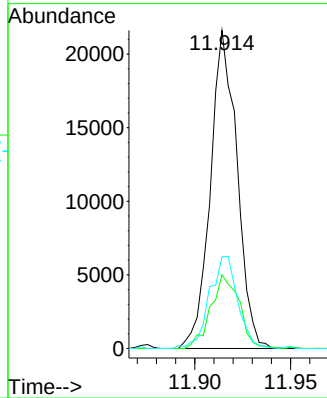
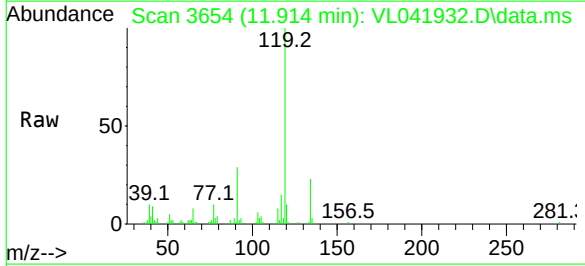
#69
p-Isopropyltoluene
Concen: 0.322 ppbv
RT: 11.914 min Scan# 3661
Delta R.T. -0.023 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Instrument : MSVOA_L
ClientSampleId : MDL 0.4

Tgt Ion:	119	Resp:	20880
Ion	Ratio	Lower	Upper
119	100		
134	24.9	19.8	29.6
91	30.9	23.0	34.4

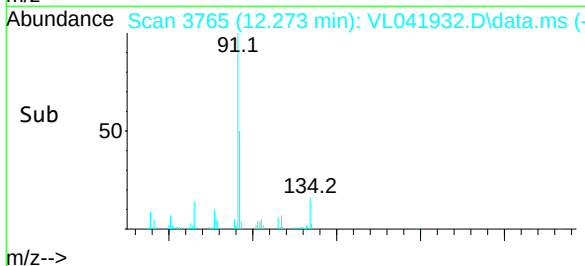
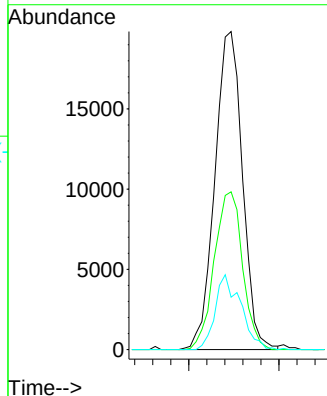
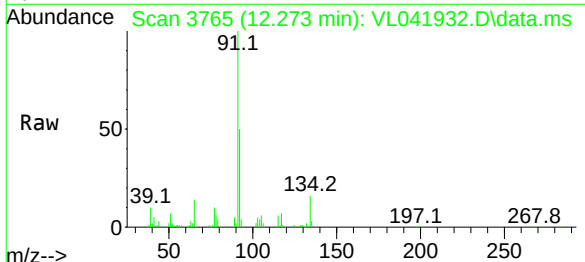
Manual Integrations
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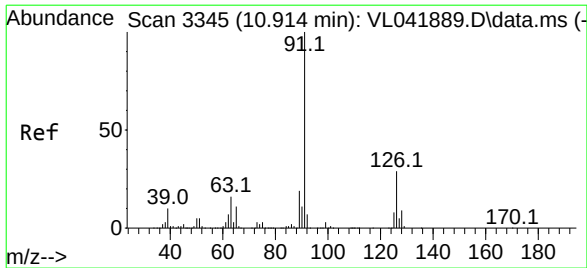
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#70
n-Butylbenzene
Concen: 0.328 ppbv
RT: 12.273 min Scan# 3765
Delta R.T. -0.019 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

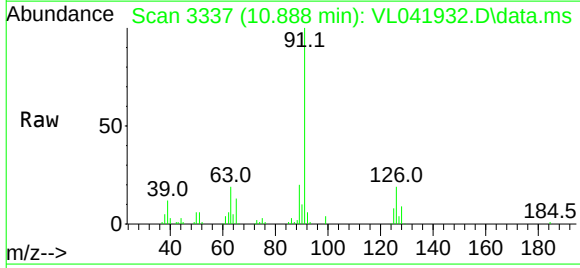
Tgt Ion:	91	Resp:	21088
Ion	Ratio	Lower	Upper
91	100		
92	50.7	43.8	65.6
134	21.9	19.0	28.6





#71
2-Chlorotoluene
Concen: 0.362 ppbv
RT: 10.888 min Scan# 3345
Delta R.T. -0.026 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

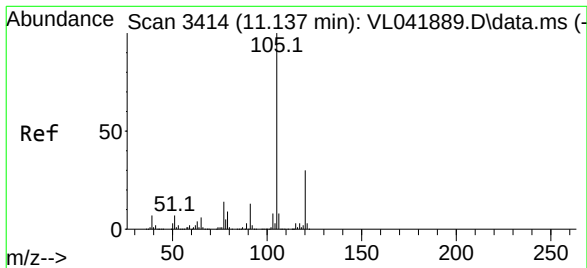
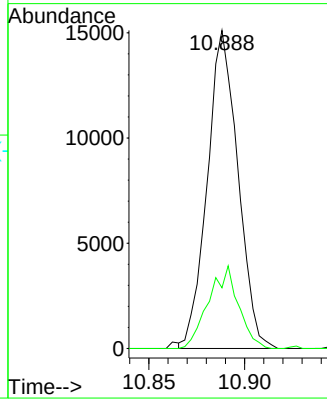
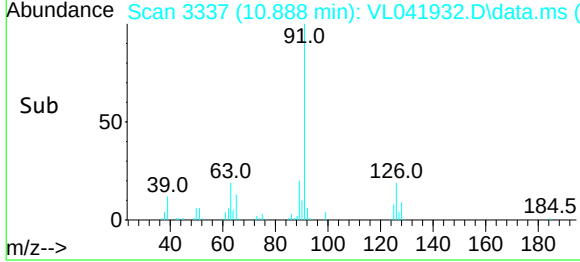
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



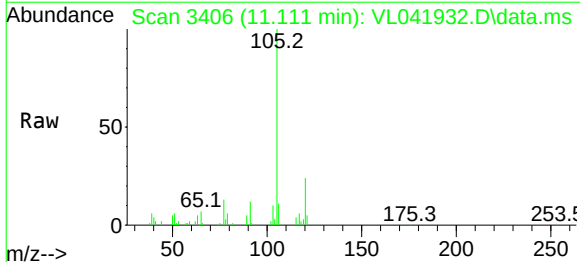
Tgt Ion: 91 Resp: 16804
Ion Ratio Lower Upper
91 100
126 25.5 11.7 46.7

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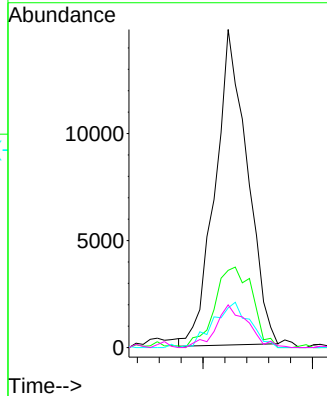
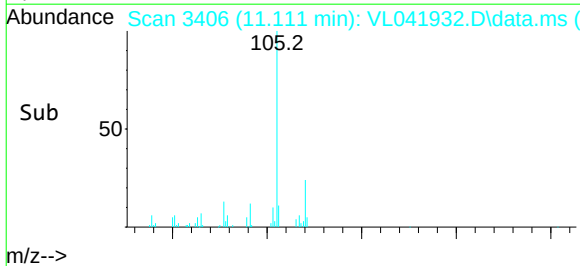
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

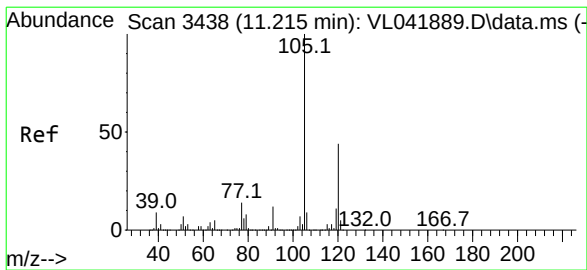


#72
4-Ethyltoluene
Concen: 0.310 ppbv
RT: 11.111 min Scan# 3406
Delta R.T. -0.026 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30



Tgt Ion:105 Resp: 15064
Ion Ratio Lower Upper
105 100
120 31.0 23.7 35.5
91 16.2 10.2 15.2#
77 14.3 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.327 ppbv

RT: 11.192 min Scan# 3438

Delta R.T. -0.023 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

Tgt Ion:105 Resp: 14032

Ion Ratio Lower Upper

105 100

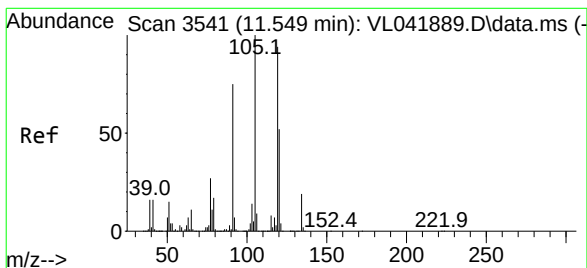
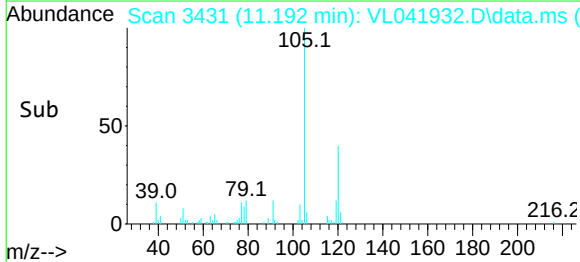
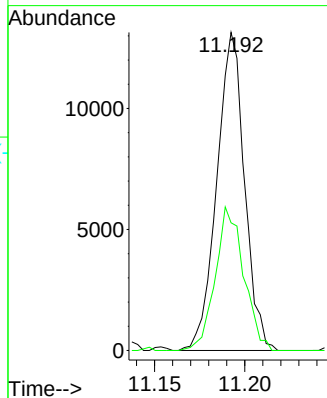
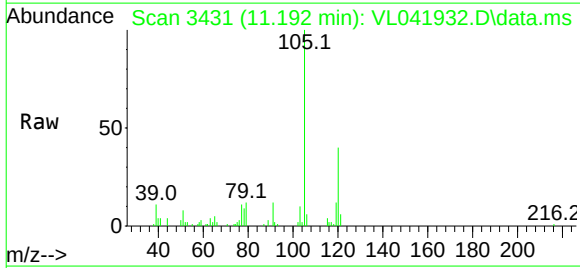
120 40.1 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.347 ppbv

RT: 11.523 min Scan# 3533

Delta R.T. -0.026 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Tgt Ion:105 Resp: 16112

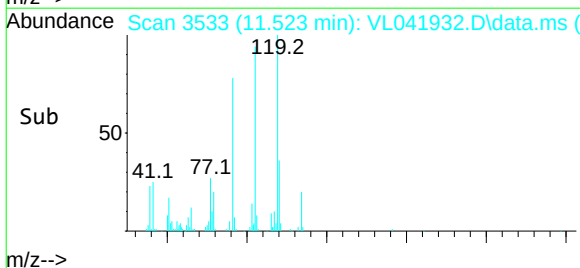
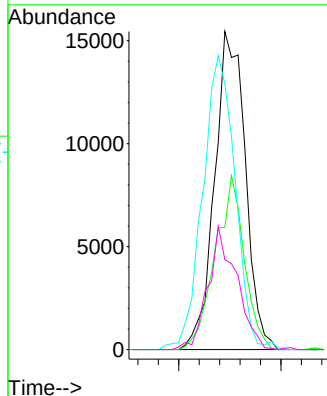
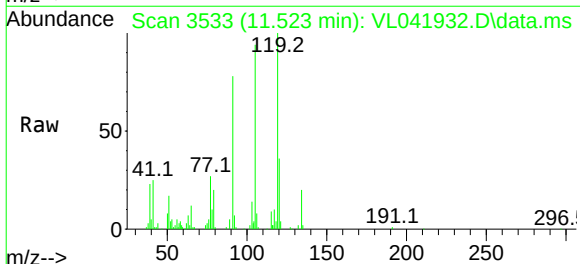
Ion Ratio Lower Upper

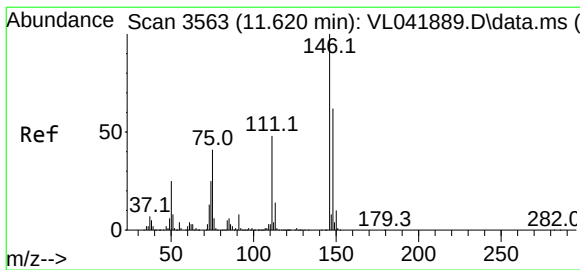
105 100

120 38.5 41.4 62.2#

91 82.9 60.2 90.2

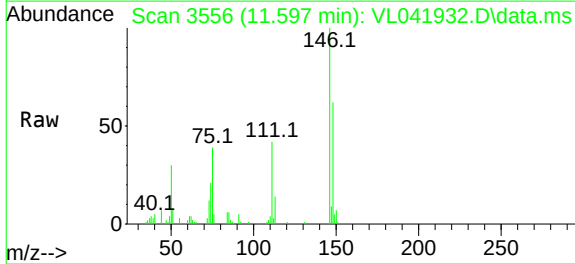
77 28.3 22.0 33.0





#75
 1,3-Dichlorobenzene
 Concen: 0.458 ppbv
 RT: 11.597 min Scan# 3563
 Delta R.T. -0.023 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30

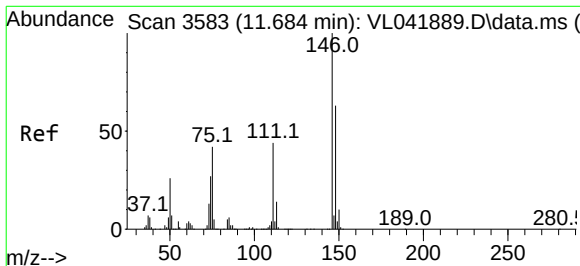
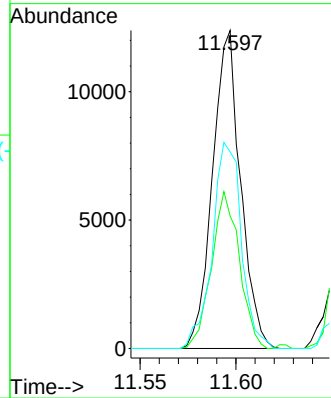
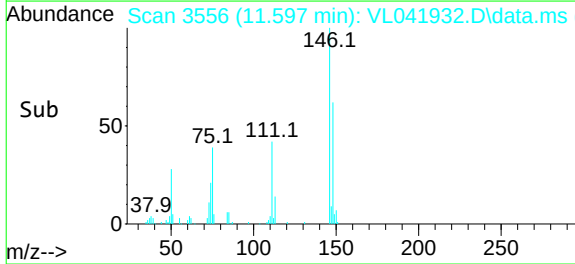
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4



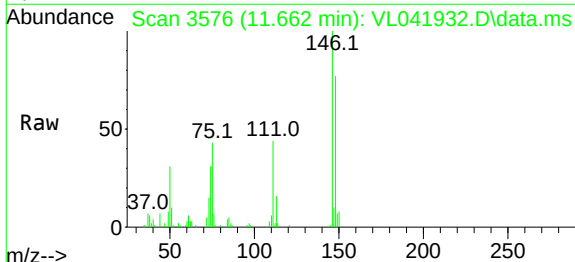
Tgt Ion:	146	Resp:	12601
Ion	Ratio	Lower	Upper
146	100		
111	49.5	23.6	70.8
148	67.0	31.4	94.0

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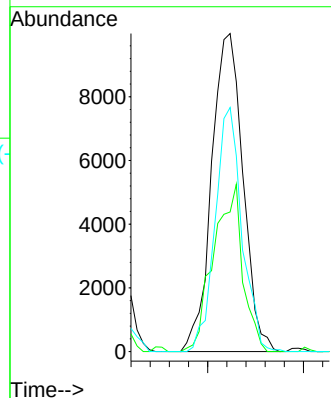
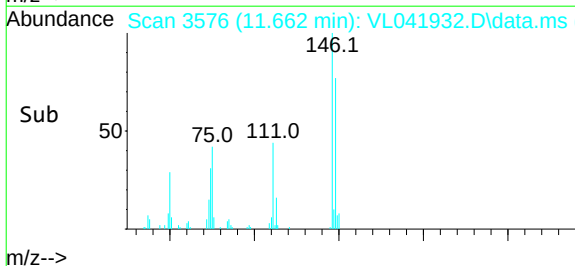
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

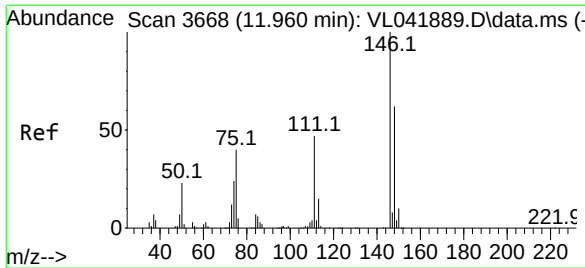


#76
 1,4-Dichlorobenzene
 Concen: 0.422 ppbv
 RT: 11.662 min Scan# 3576
 Delta R.T. -0.023 min
 Lab File: VL041932.D
 Acq: 20 Jan 2025 22:30



Tgt Ion:	146	Resp:	11355
Ion	Ratio	Lower	Upper
146	100		
111	48.8	22.4	67.0
148	65.6	31.9	95.5





#77

1,2-Dichlorobenzene

Concen: 0.449 ppbv

RT: 11.937 min Scan# 3668

Delta R.T. -0.023 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

ClientSampleId :

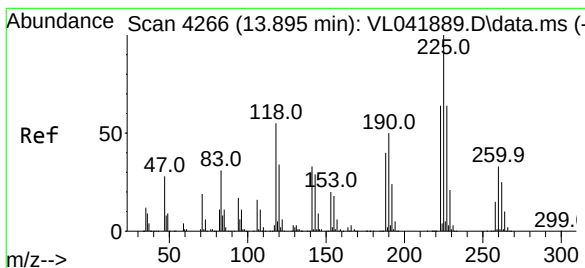
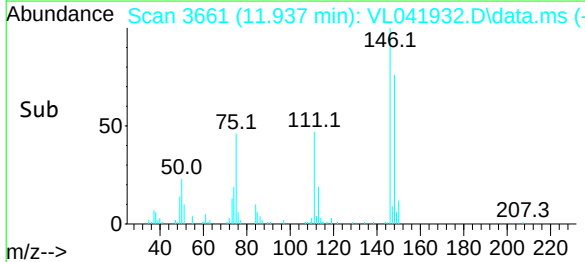
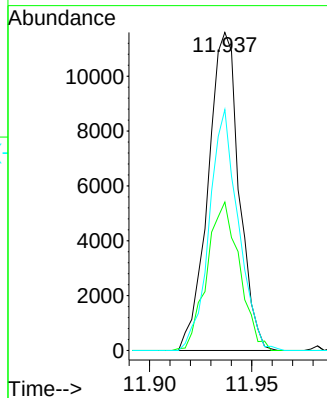
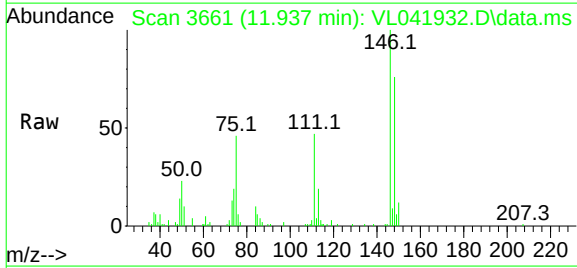
MDL 0.4

Tgt Ion:	146	Resp:	12248
Ion Ratio	Lower	Upper	
146	100		
111	48.9	24.2	72.6
148	70.8	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: 0.440 ppbv

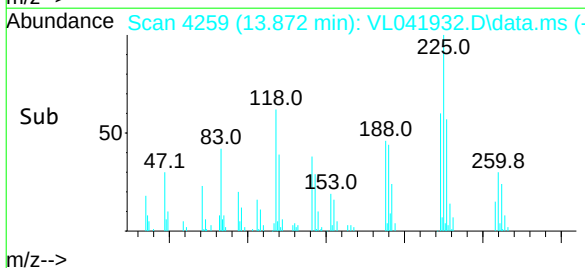
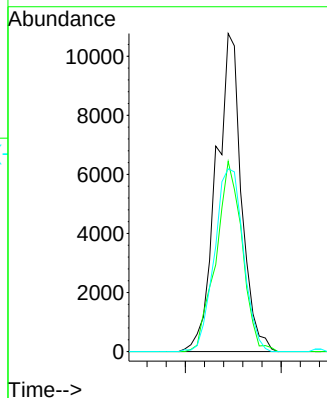
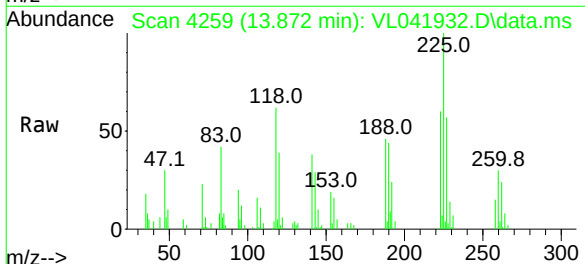
RT: 13.872 min Scan# 4259

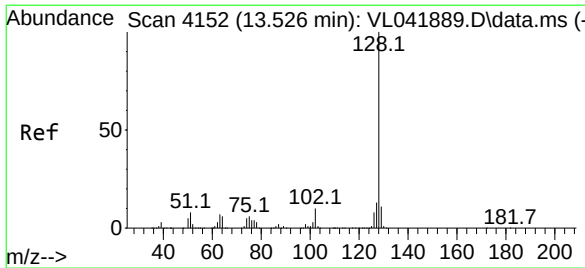
Delta R.T. -0.023 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Tgt Ion:	225	Resp:	9854
Ion Ratio	Lower	Upper	
225	100		
223	62.0	50.8	76.2
227	65.7	50.3	75.5





#79

Naphthalene

Concen: 0.303 ppbv

RT: 13.503 min Scan# 4152

Delta R.T. -0.023 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

Instrument :

MSVOA_L

ClientSampleId :

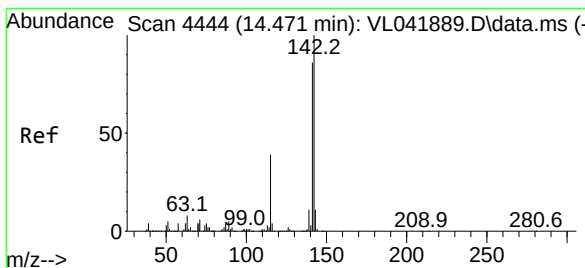
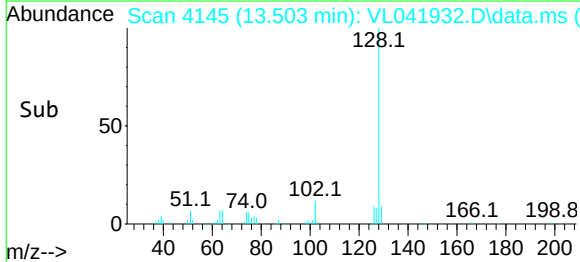
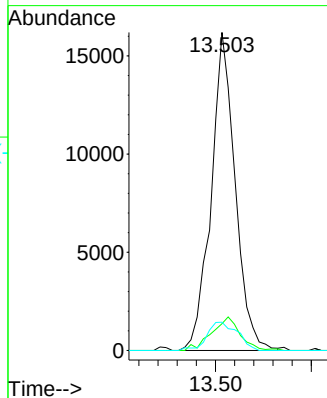
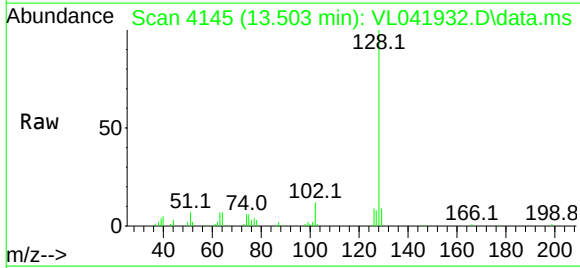
MDL 0.4

Tgt Ion:	128	Resp:	14149
Ion Ratio	Lower	Upper	
128	100		
127	8.4	10.2	15.4
129	8.9	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: 0.199 ppbv

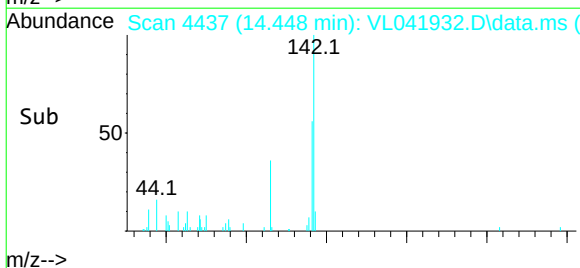
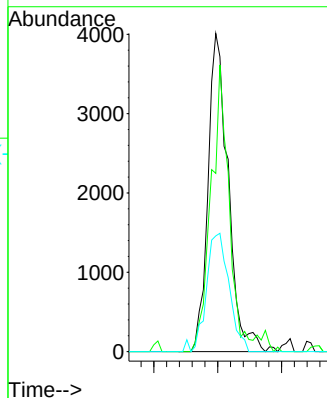
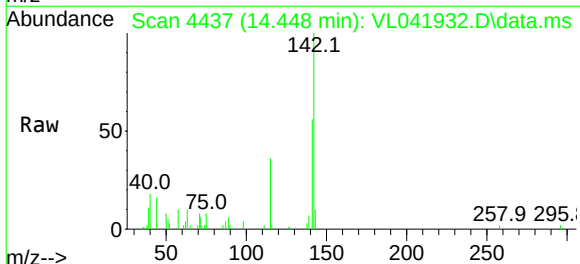
RT: 14.448 min Scan# 4437

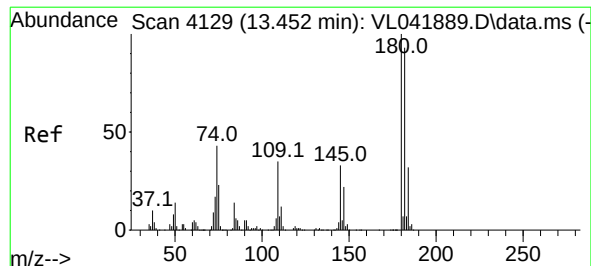
Delta R.T. -0.023 min

Lab File: VL041932.D

Acq: 20 Jan 2025 22:30

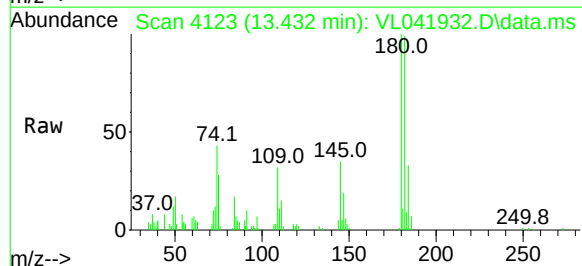
Tgt Ion:	142	Resp:	4410
Ion Ratio	Lower	Upper	
142	100		
141	83.2	68.1	102.1
115	41.8	31.7	47.5





#81
1,2,4-Trichlorobenzene
Concen: 0.335 ppbv
RT: 13.432 min Scan# 41
Delta R.T. -0.019 min
Lab File: VL041932.D
Acq: 20 Jan 2025 22:30

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4



Tgt Ion:	180	Resp:	7637
Ion Ratio	Lower	Upper	
180	100		
182	100.6	77.0	115.6
184	33.6	24.9	37.3

Manual Integrations
APPROVED

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

