

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041892.D
 Acq On : 14 Jan 2025 14:30
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

Quant Time: Jan 14 21:21:01 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 16:31:18 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	146186	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	430874	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	379402	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.383	95	297462	9.954	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	10599	0.532	ppbv	99
3) Chlorodifluoromethane	1.476	51	10582	0.507	ppbv	98
4) Chloromethane	1.534	50	3990	0.533	ppbv	98
5) Vinyl Chloride	1.580	62	4097	0.540	ppbv	94
6) Bromomethane	1.670	94	1852	0.512	ppbv #	78
7) Chloroethane	1.706	64	1532	0.519	ppbv #	77
8) Dichlorotetrafluoroethane	1.557	85	9372	0.539	ppbv	95
9) Propene	1.486	41	4690	0.546	ppbv	85
10) Heptane	4.988	43	11230	0.489	ppbv	95
11) Trichlorofluoromethane	1.881	101	10873	0.525	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	8027	0.494	ppbv	90
13) Ethanol	1.725	45	478m	0.759	ppbv	
14) Bromoethene	1.784	108	3071	0.517	ppbv #	94
15) Acetone	1.839	43	10273	0.585	ppbv	99
16) 1,3-Butadiene	1.612	39	4038	0.512	ppbv	99
17) tert-Butyl alcohol	2.046	59	11158	0.516	ppbv #	94
18) 1,1-Dichloroethene	2.036	96	3803	0.520	ppbv	95
19) Isopropyl Alcohol	1.891	45	6317	0.607	ppbv #	32
20) Methylene Chloride	2.065	84	4286	0.618	ppbv	93
21) Allyl Chloride	2.101	41	6553	0.539	ppbv	96
22) trans-1,2-Dichloroethene	2.347	96	4015	0.486	ppbv	89
23) Vinyl Acetate	2.467	43	6381m	0.835	ppbv	
24) 1,1-Dichloroethane	2.415	63	8512	0.533	ppbv	97
25) Ethyl Acetate	2.845	43	23529	0.497	ppbv	97
26) Hexane	2.829	57	9246m	0.494	ppbv	
27) Carbon Disulfide	2.153	76	8847	0.477	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	7621	0.532	ppbv	97
29) Chloroform	2.855	83	15360	0.519	ppbv	92
30) Cyclohexane	3.871	84	7579	0.467	ppbv	92
31) cis-1,2-Dichloroethene	2.726	61	10275	0.521	ppbv #	89
32) 1,1,1-Trichloroethane	3.379	97	14198	0.501	ppbv	98
34) 2-Butanone	2.567	43	13981	0.510	ppbv	94
35) Carbon Tetrachloride	3.774	117	12590	0.464	ppbv	89
36) Benzene	3.667	78	19954	0.505	ppbv	95
37) 1,2-Dichloroethane	3.227	62	11613	0.523	ppbv	97
38) Trichloroethene	4.561	130	8199	0.523	ppbv #	89
39) 1,2-Dichloropropane	4.324	63	7526m	0.543	ppbv	
40) 1,4-Dioxane	4.616	88	4031m	0.576	ppbv	
41) Tetrahydrofuran	3.072	42	7183	0.481	ppbv	94
42) Bromodichloromethane	4.499	83	15081m	0.507	ppbv	
43) Methyl Methacrylate	4.891	69	7332m	0.499	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	31243	0.489	ppbv	95
45) t-1,3-Dichloropropene	6.428	75	6465m	0.470	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 14 21:21:01 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 16:31:18 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	7986m	0.443	ppbv	
47) 1,1,2-Trichloroethane	6.597	97	7324	0.498	ppbv #	84
48) Dibromochloromethane	7.393	129	10548m	0.465	ppbv	
49) Bromoform	9.493	173	8162	0.438	ppbv	97
50) 4-Methyl-2-Pentanone	5.794	43	19221m	0.515	ppbv	
51) 2-Hexanone	7.454	43	13390	0.466	ppbv #	97
52) Tetrachloroethene	8.238	164	6821m	0.498	ppbv	
53) Toluene	6.946	91	20118	0.467	ppbv	96
54) 1,2-Dibromoethane	7.665	107	10511	0.520	ppbv	89
56) 1,1,1,2-Tetrachloroethane	8.930	131	9524	0.503	ppbv #	1
57) Chlorobenzene	8.930	112	18701	0.534	ppbv #	90
58) Ethyl Benzene	9.364	91	28584	0.482	ppbv #	88
59) m/p-Xylene	9.558	91	45003m	0.946	ppbv	
60) o-Xylene	9.972	91	22370	0.474	ppbv	97
61) Styrene	9.879	104	9788	0.463	ppbv	99
62) Isopropylbenzene	10.545	105	36561	0.501	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.969	83	15485	0.521	ppbv	98
64) n-propylbenzene	10.995	120	9128	0.495	ppbv	93
65) tert-Butylbenzene	11.536	119	33122	0.498	ppbv	98
66) Benzyl Chloride	11.620	91	1935	0.470	ppbv	99
67) sec-Butylbenzene	11.775	105	45326	0.495	ppbv	98
69) p-Isopropyltoluene	11.931	119	35136	0.466	ppbv	98
70) n-Butylbenzene	12.287	91	35409	0.473	ppbv	96
71) 2-Chlorotoluene	10.908	91	26436	0.490	ppbv	99
72) 4-Ethyltoluene	11.131	105	27363	0.485	ppbv	97
73) 1,3,5-Trimethylbenzene	11.209	105	23183	0.465	ppbv	93
74) 1,2,4-Trimethylbenzene	11.545	105	25777	0.478	ppbv	89
75) 1,3-Dichlorobenzene	11.610	146	16708	0.522	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	15738	0.503	ppbv	96
77) 1,2-Dichlorobenzene	11.953	146	16364	0.516	ppbv	93
78) Hexachloro-1,3-Butadiene	13.892	225	14162	0.544	ppbv	96
79) Naphthalene	13.520	128	28052	0.516	ppbv	98
80) Naphthalene,2-methyl-	14.468	142	10859	0.422	ppbv	97
81) 1,2,4-Trichlorobenzene	13.445	180	14136	0.533	ppbv	95

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

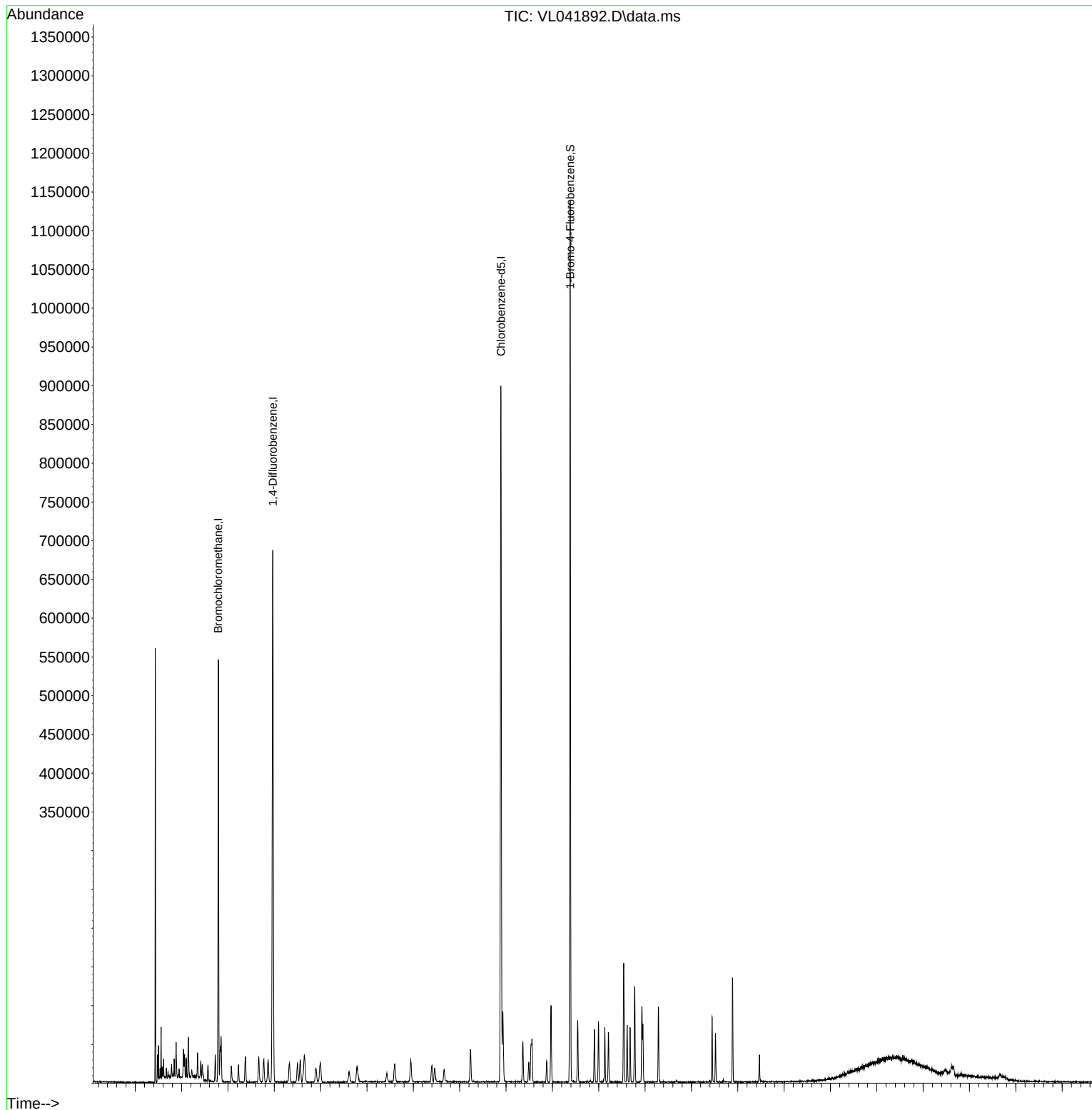
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Operator : SY/MD
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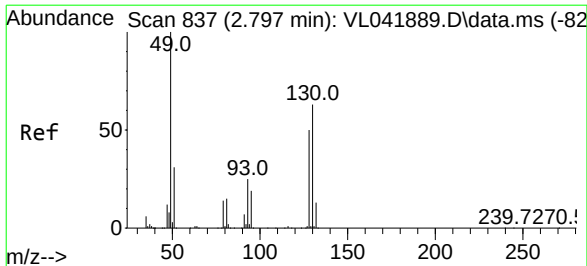
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 01/15/2025

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QLast Update : Tue Jan 14 16:31:18 2025
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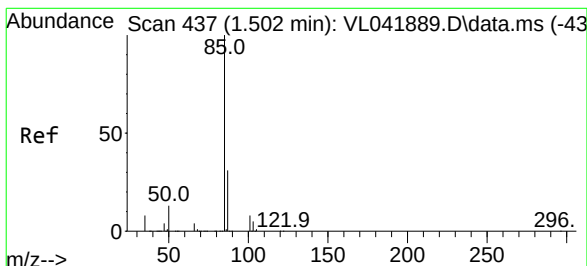
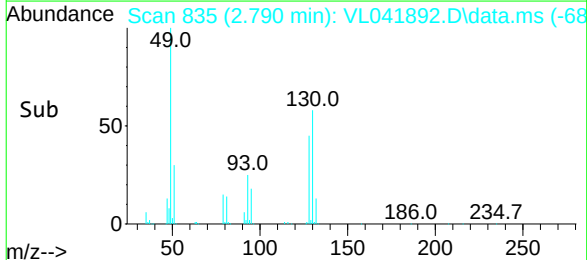
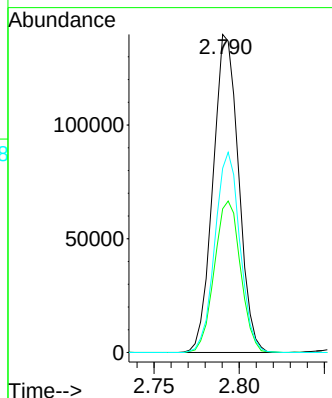
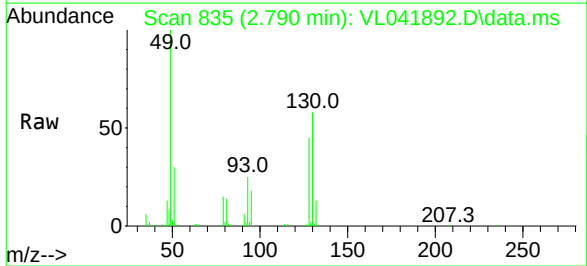
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 837
Delta R.T. -0.007 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 49 Resp: 146186
Ion Ratio Lower Upper
49 100
128 48.7 24.3 73.0
130 61.5 31.1 93.2

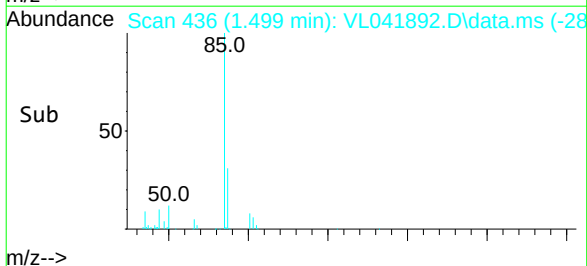
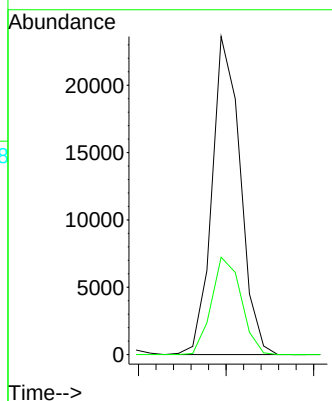
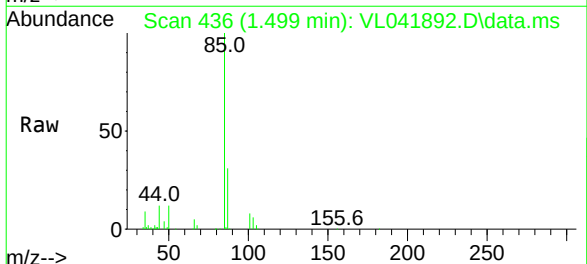
Manual Integrations
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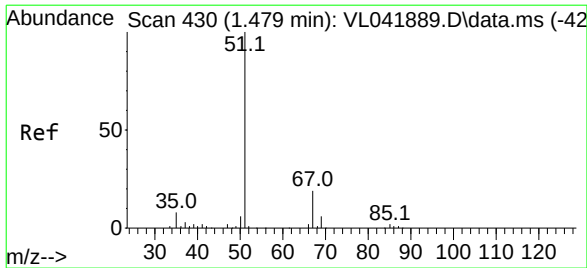
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#2
Dichlorodifluoromethane
Concen: 0.532 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

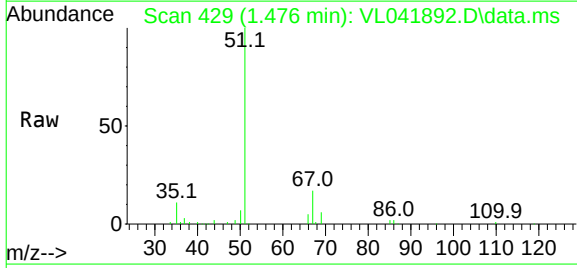
Tgt Ion: 85 Resp: 10599
Ion Ratio Lower Upper
85 100
87 30.6 24.9 37.3





#3
Chlorodifluoromethane
Concen: 0.507 ppbv
RT: 1.476 min Scan# 42
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

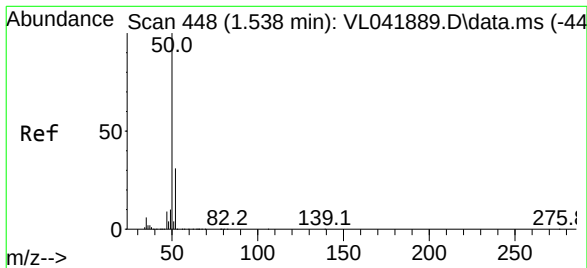
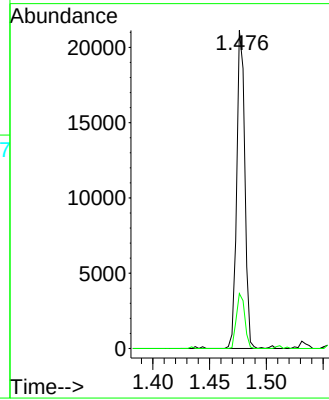
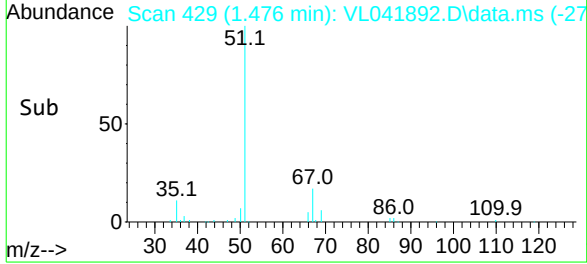
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



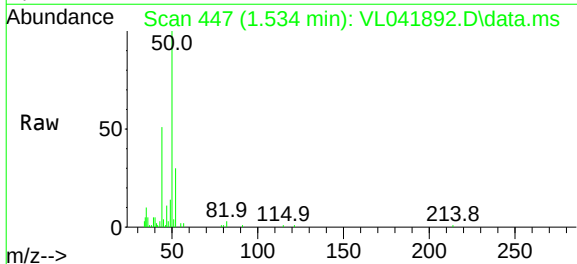
Tgt Ion: 51 Resp: 10582
Ion Ratio Lower Upper
51 100
67 17.8 15.0 22.4

Manual Integrations
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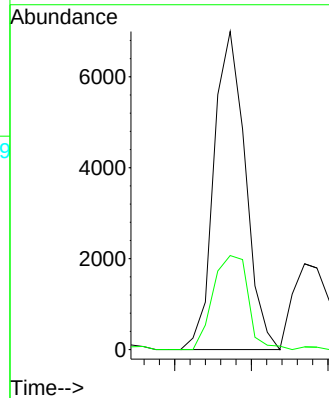
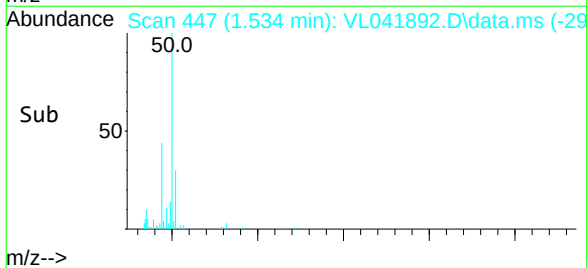
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

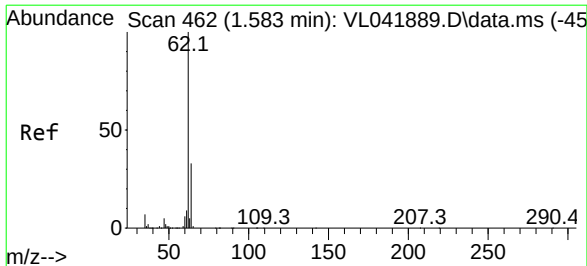


#4
Chloromethane
Concen: 0.533 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30



Tgt Ion: 50 Resp: 3990
Ion Ratio Lower Upper
50 100
52 29.6 24.6 36.8





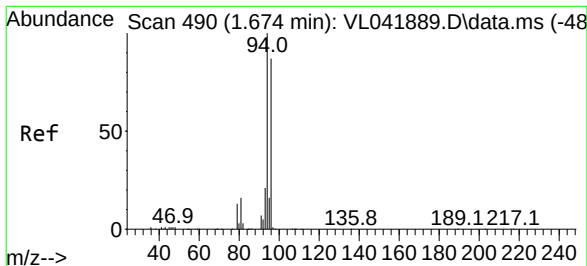
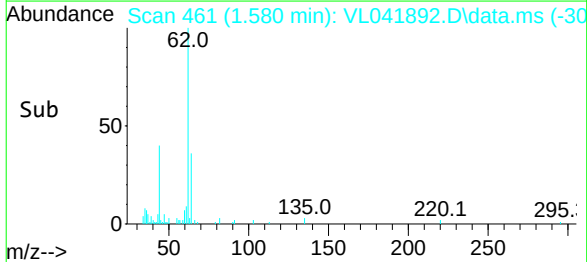
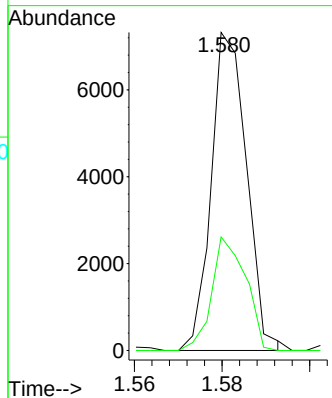
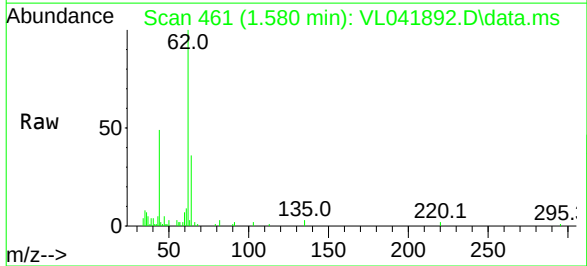
#5
 Vinyl Chloride
 Concen: 0.540 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.003 min
 Lab File: VL041892.D
 Acq: 14 Jan 2025 14:30

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 62 Resp: 4097
 Ion Ratio Lower Upper
 62 100
 64 35.7 26.1 39.1

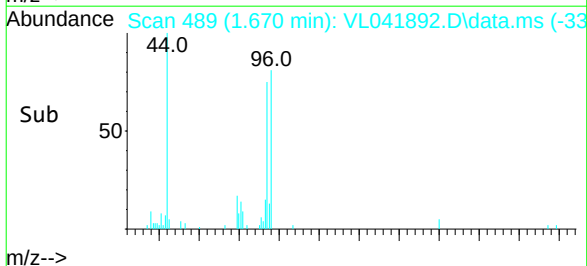
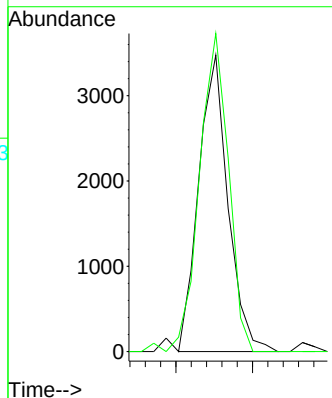
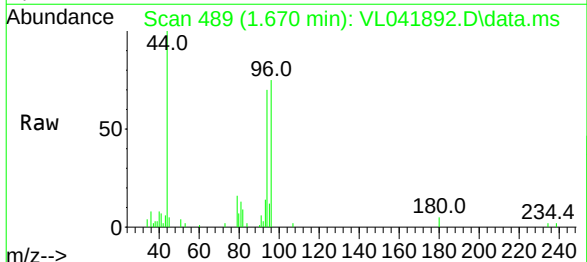
Manual Integrations
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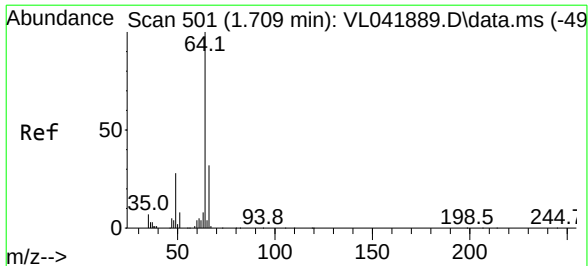
Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025



#6
 Bromomethane
 Concen: 0.512 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL041892.D
 Acq: 14 Jan 2025 14:30

Tgt Ion: 94 Resp: 1852
 Ion Ratio Lower Upper
 94 100
 96 107.2 69.5 104.3





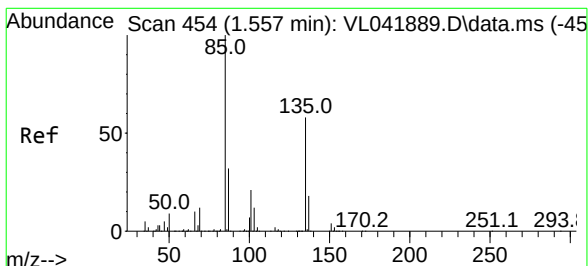
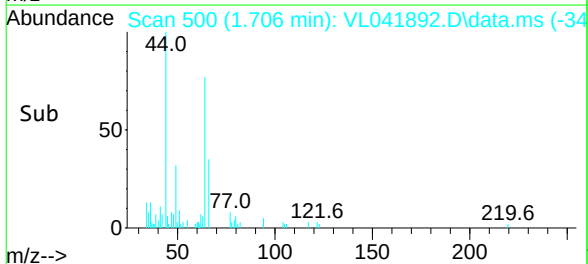
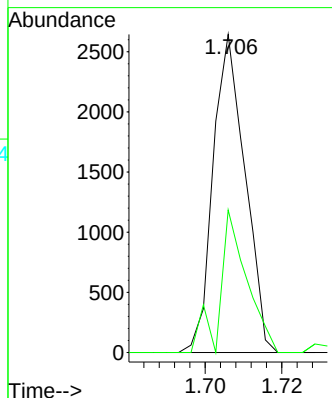
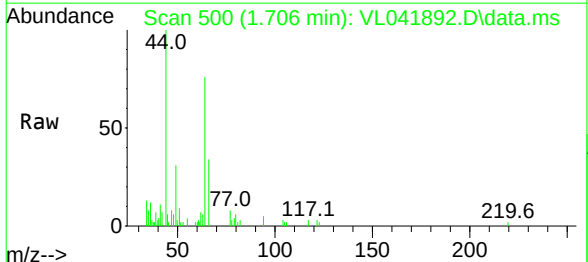
#7
Chloroethane
Concen: 0.519 ppbv
RT: 1.706 min Scan# 501
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 64 Resp: 1532
Ion Ratio Lower Upper
64 100
66 44.8 25.7 38.5#

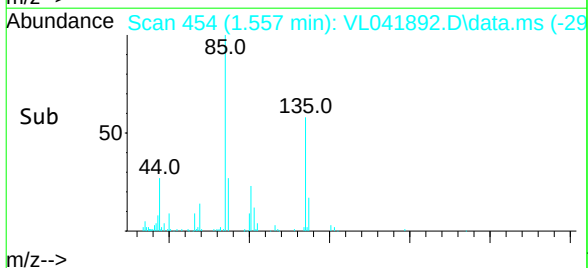
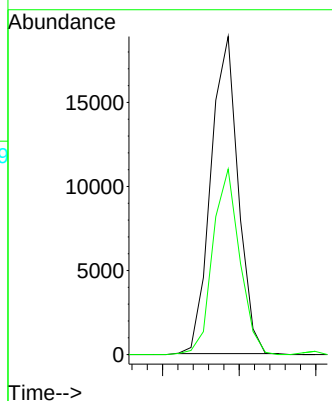
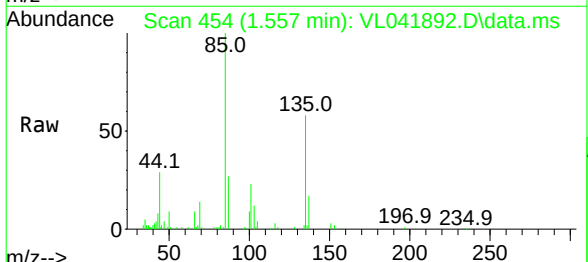
Manual Integrations
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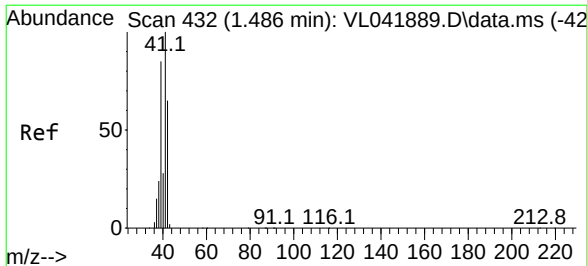
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#8
Dichlorotetrafluoroethane
Concen: 0.539 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

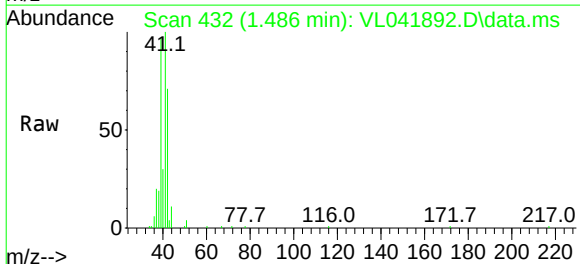
Tgt Ion: 85 Resp: 9372
Ion Ratio Lower Upper
85 100
135 58.3 50.0 75.0





#9
 Propene
 Concen: 0.546 ppbv
 RT: 1.486 min Scan# 431
 Delta R.T. 0.000 min
 Lab File: VL041892.D
 Acq: 14 Jan 2025 14:30

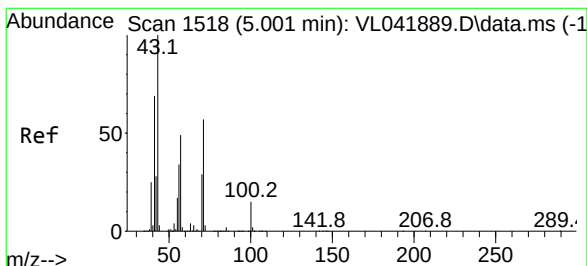
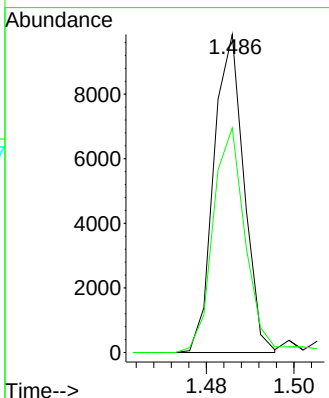
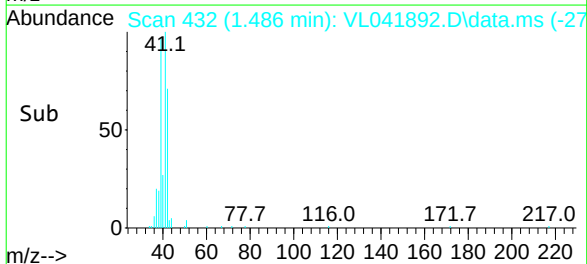
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5



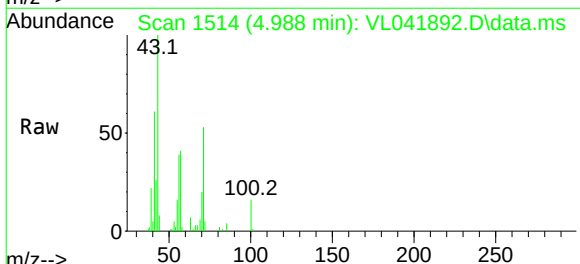
Tgt Ion: 41 Resp: 4690
 Ion Ratio Lower Upper
 41 100
 42 76.8 52.0 78.0

Manual Integrations
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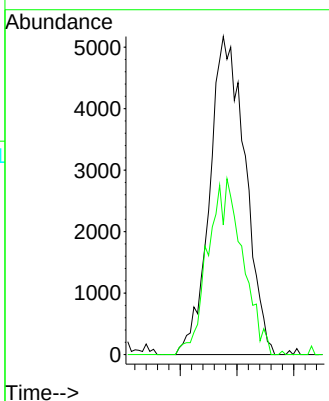
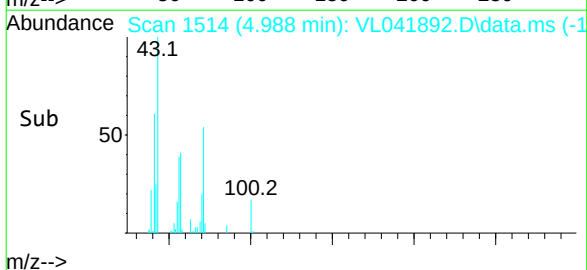
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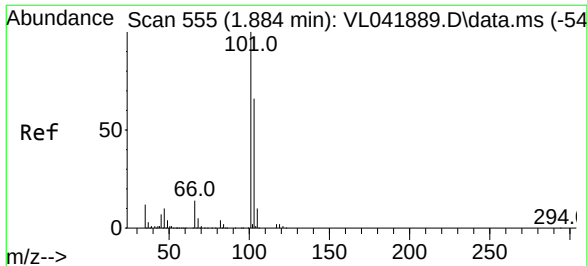


#10
 Heptane
 Concen: 0.489 ppbv
 RT: 4.988 min Scan# 1514
 Delta R.T. -0.013 min
 Lab File: VL041892.D
 Acq: 14 Jan 2025 14:30



Tgt Ion: 43 Resp: 11230
 Ion Ratio Lower Upper
 43 100
 57 54.5 41.0 61.4





#11

Trichlorofluoromethane

Concen: 0.525 ppbv

RT: 1.881 min Scan# 555

Delta R.T. -0.003 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:101 Resp: 10873

Ion Ratio Lower Upper

101 100

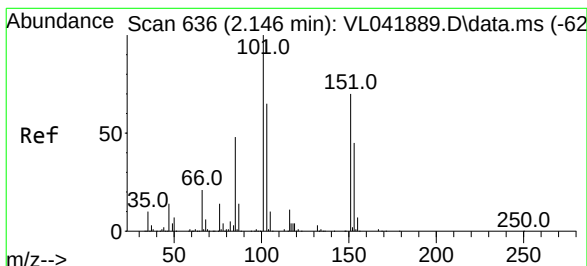
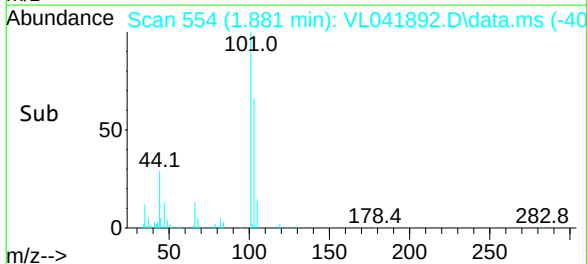
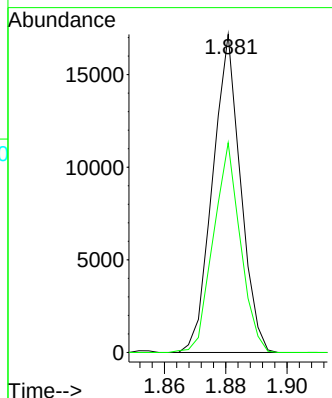
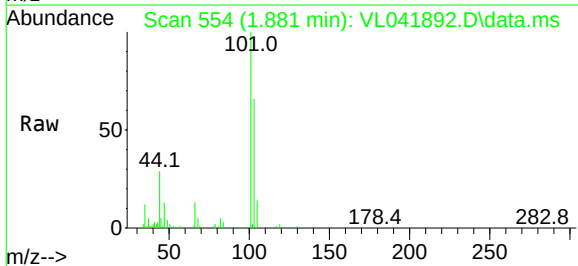
103 65.9 53.1 79.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.494 ppbv

RT: 2.143 min Scan# 635

Delta R.T. -0.003 min

Lab File: VL041892.D

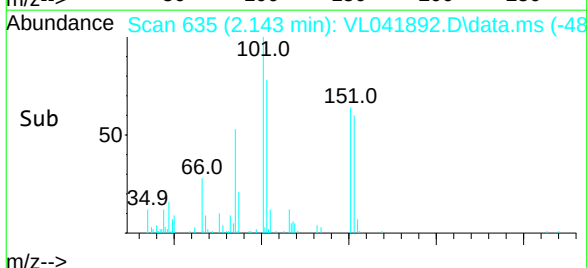
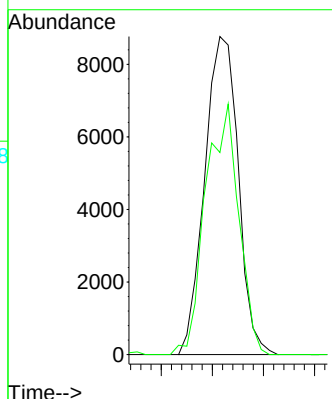
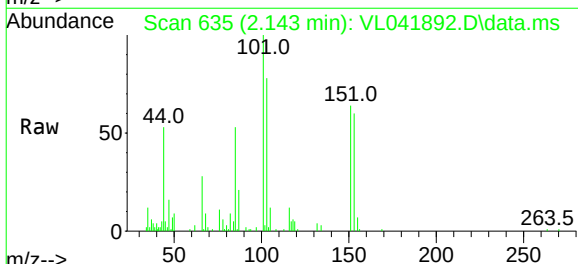
Acq: 14 Jan 2025 14:30

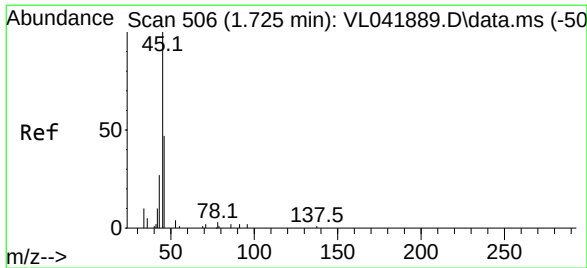
Tgt Ion:101 Resp: 8027

Ion Ratio Lower Upper

101 100

151 78.5 56.1 84.1





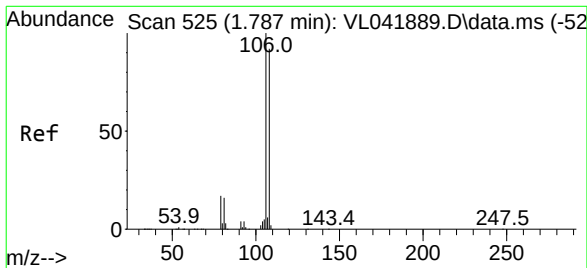
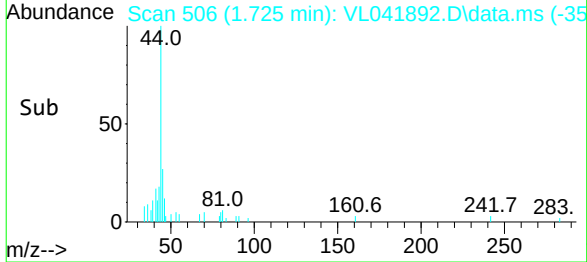
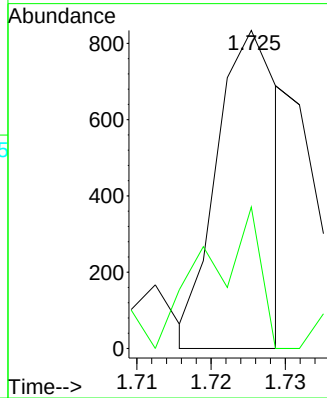
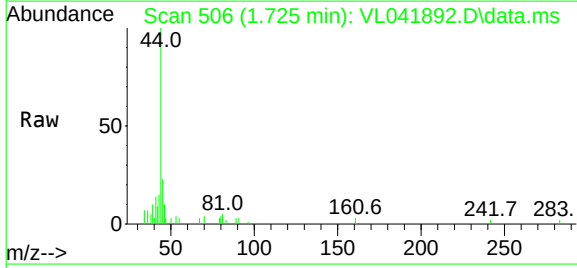
#13
Ethanol
Concen: 0.759 ppbv m
RT: 1.725 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 45 Resp: 478
Ion Ratio Lower Upper
45 100
46 51.5 18.1 72.5

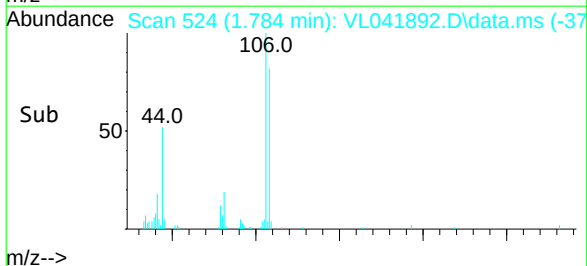
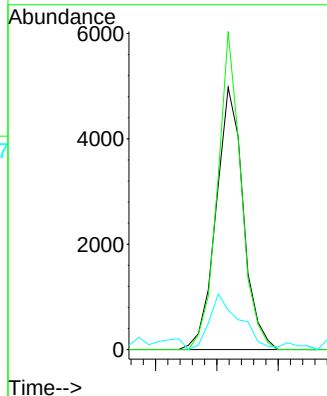
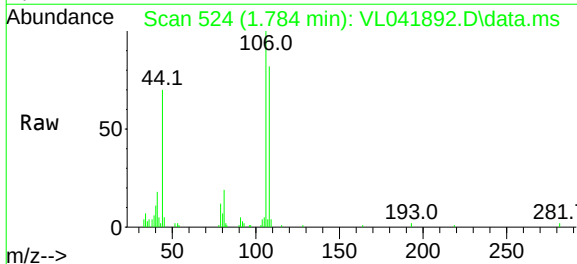
Manual Integrations
APPROVED

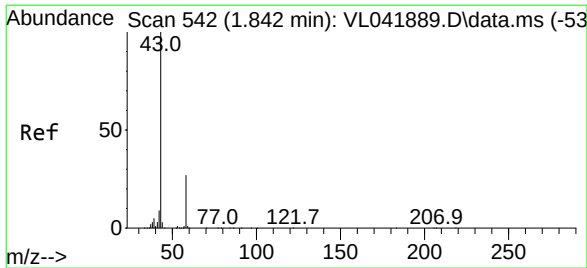
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#14
Bromoethene
Concen: 0.517 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Tgt Ion:108 Resp: 3071
Ion Ratio Lower Upper
108 100
106 105.1 85.5 128.3
79 33.4 15.3 22.9#





#15

Acetone

Concen: 0.585 ppbv

RT: 1.839 min Scan# 54

Delta R.T. -0.003 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 43 Resp: 10273

Ion Ratio Lower Upper

43 100

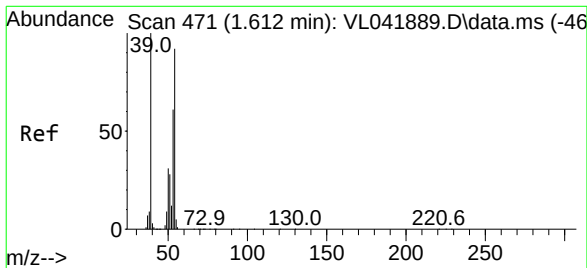
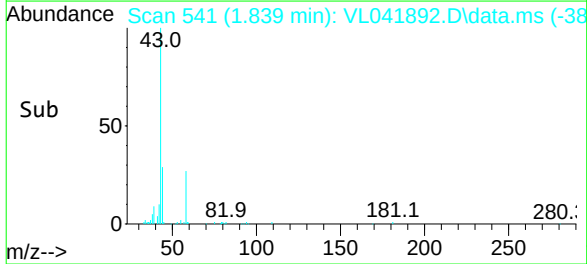
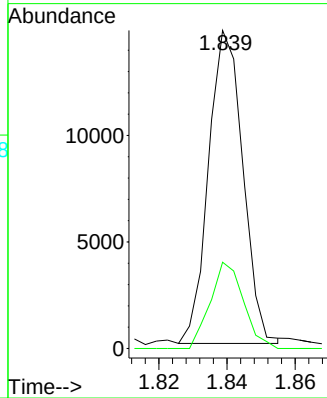
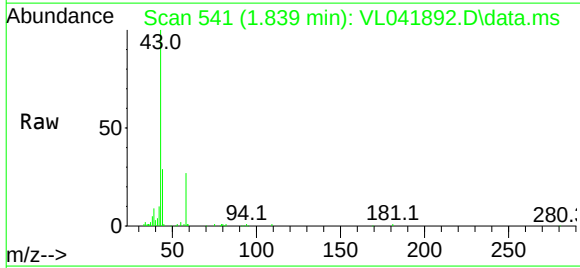
58 26.7 21.9 32.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#16

1,3-Butadiene

Concen: 0.512 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.000 min

Lab File: VL041892.D

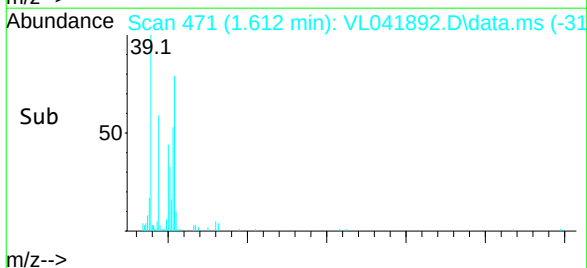
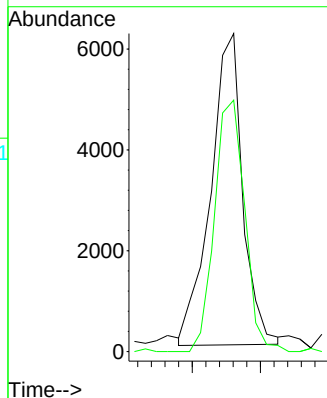
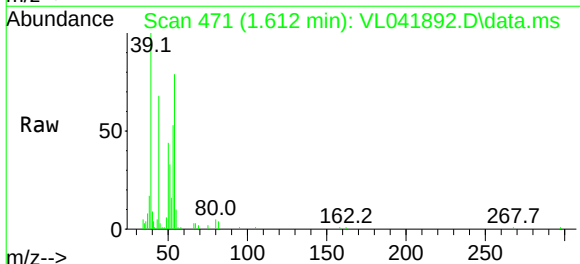
Acq: 14 Jan 2025 14:30

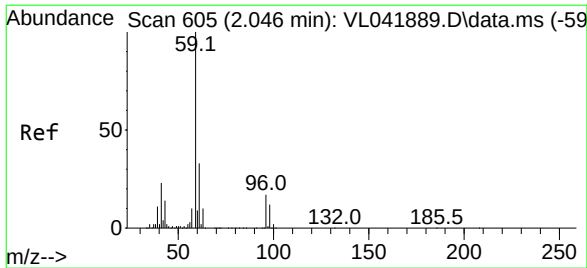
Tgt Ion: 39 Resp: 4038

Ion Ratio Lower Upper

39 100

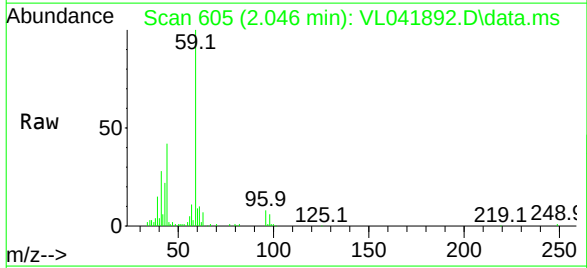
54 77.8 61.6 92.4





#17
tert-Butyl alcohol
Concen: 0.516 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.000 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

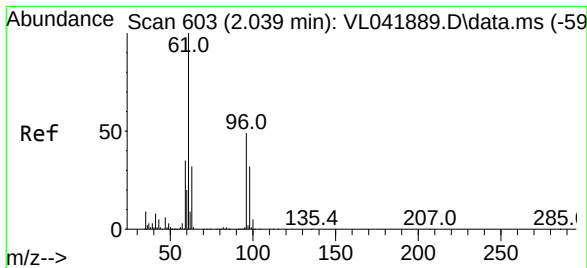
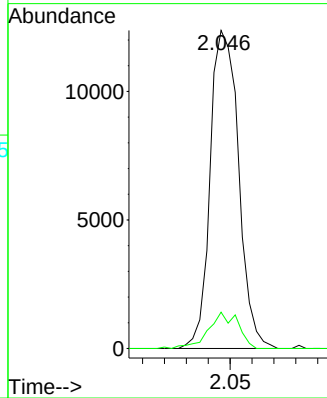
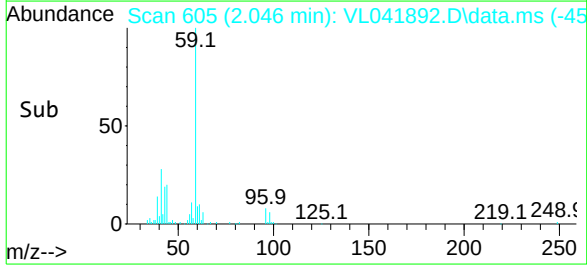
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 59 Resp: 11158
Ion Ratio Lower Upper
59 100
57 12.0 7.8 11.8

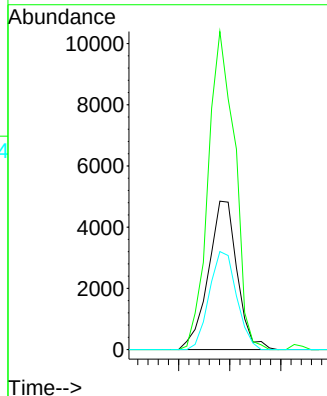
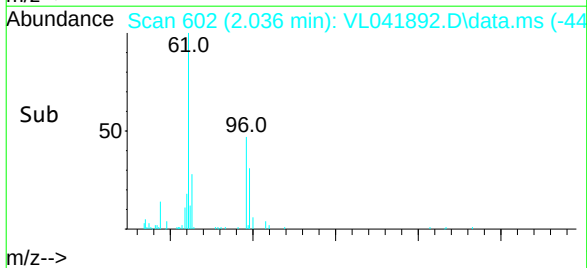
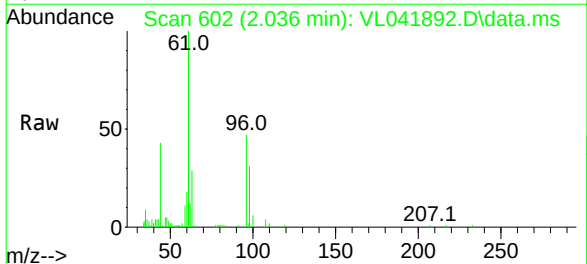
Manual Integrations
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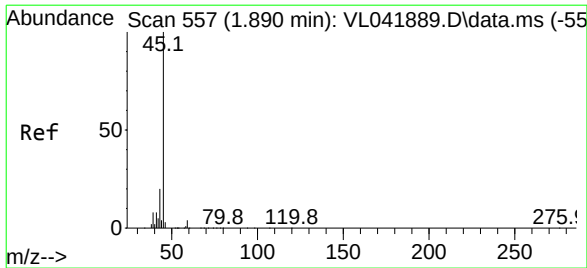
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#18
1,1-Dichloroethene
Concen: 0.520 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Tgt Ion: 96 Resp: 3803
Ion Ratio Lower Upper
96 100
61 214.3 163.1 244.7
98 66.0 52.7 79.1





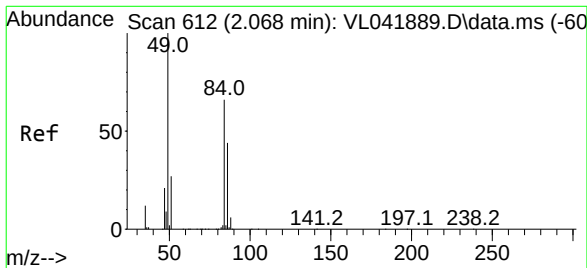
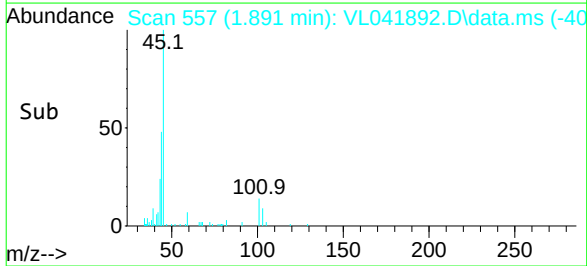
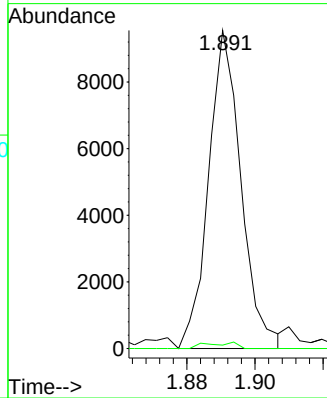
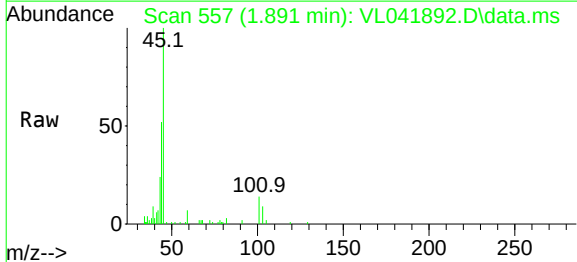
#19
Isopropyl Alcohol
Concen: 0.607 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.000 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 45 Resp: 6317
Ion Ratio Lower Upper
45 100
58 0.0 35.0 52.6

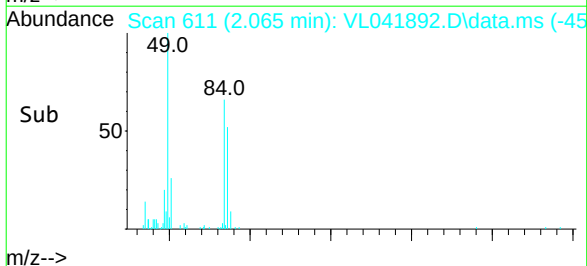
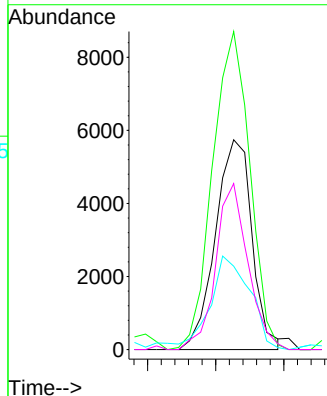
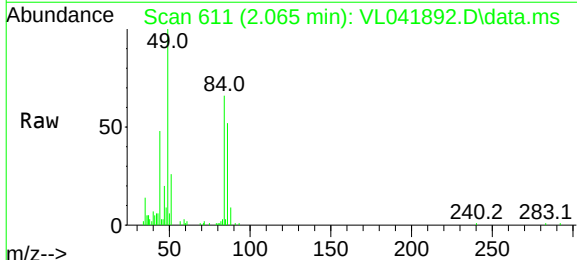
Manual Integrations
APPROVED

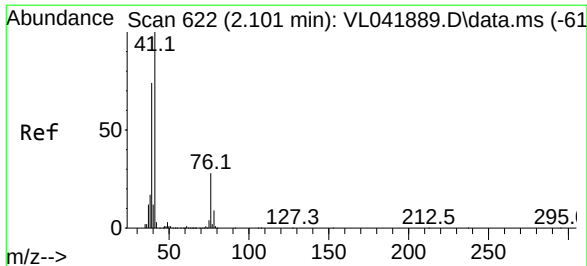
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#20
Methylene Chloride
Concen: 0.618 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Tgt Ion: 84 Resp: 4286
Ion Ratio Lower Upper
84 100
49 150.6 123.1 184.7
51 38.8 35.8 53.8
86 79.1 53.7 80.5





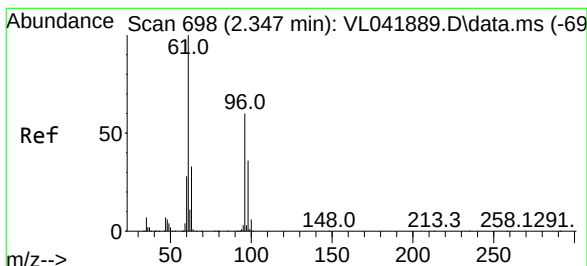
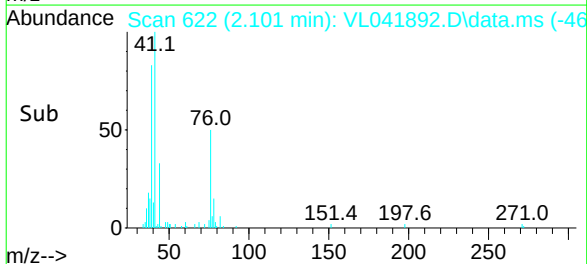
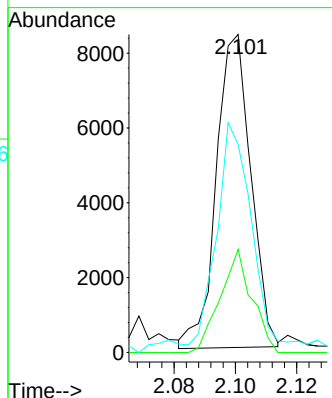
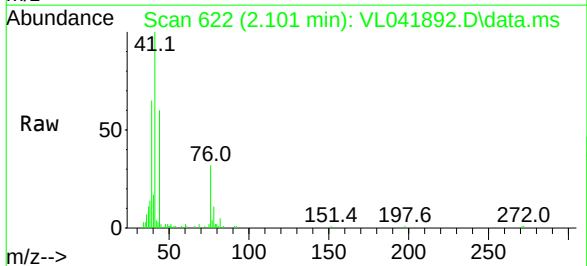
#21
 Allyl Chloride
 Concen: 0.539 ppbv
 RT: 2.101 min Scan# 621
 Delta R.T. 0.000 min
 Lab File: VL041892.D
 Acq: 14 Jan 2025 14:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:	41	Resp:	6553
Ion	Ratio	Lower	Upper
41	100		
76	30.2	24.2	36.4
39	80.0	60.6	91.0

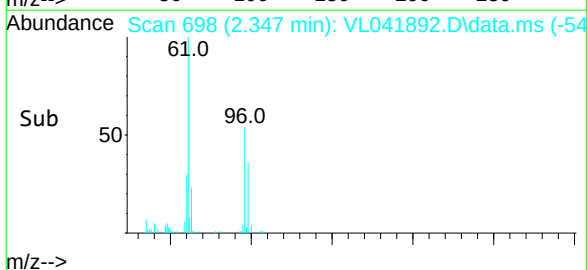
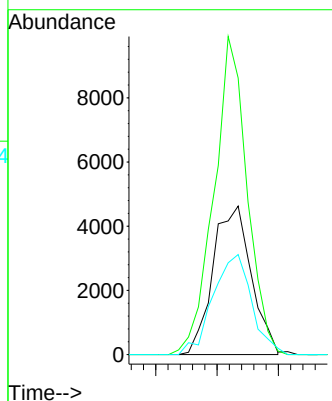
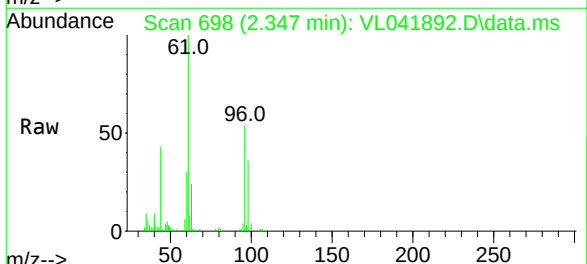
Manual Integrations
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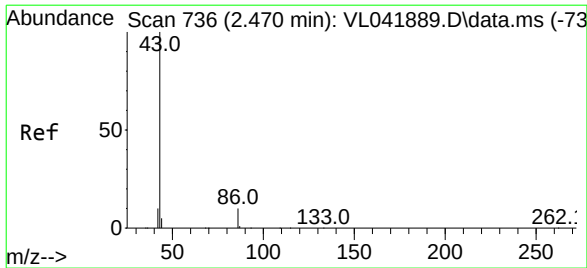
Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.486 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.000 min
 Lab File: VL041892.D
 Acq: 14 Jan 2025 14:30

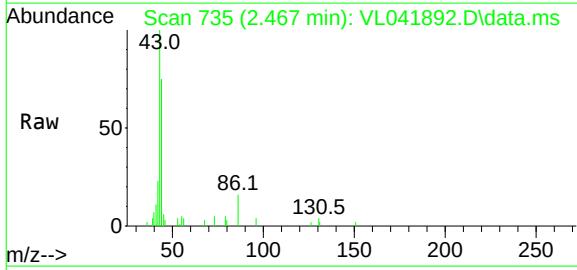
Tgt Ion:	96	Resp:	4015
Ion	Ratio	Lower	Upper
96	100		
61	183.7	134.5	201.7
98	67.4	48.9	73.3





#23
 Vinyl Acetate
 Concen: 0.835 ppbv m
 RT: 2.467 min Scan# 736
 Delta R.T. -0.003 min
 Lab File: VL041892.D
 Acq: 14 Jan 2025 14:30

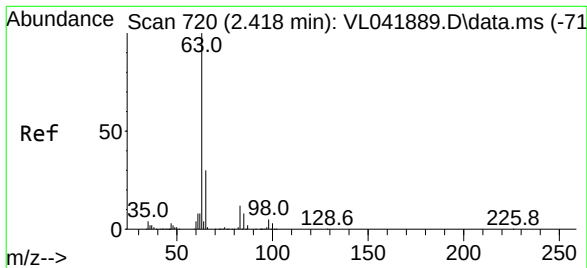
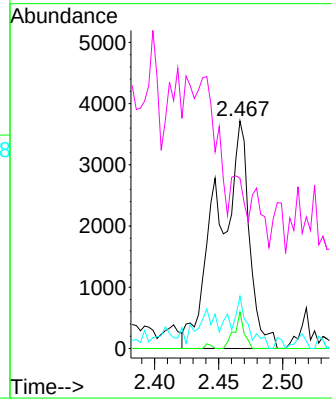
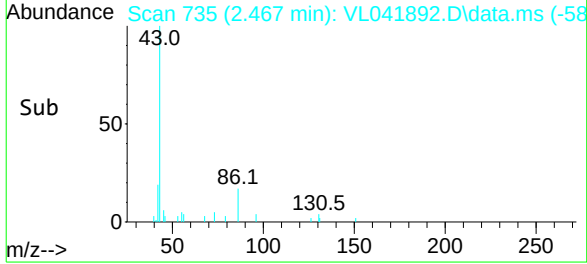
Instrument : MSVOA_L
 ClientSampleId : VSTDIC0.5



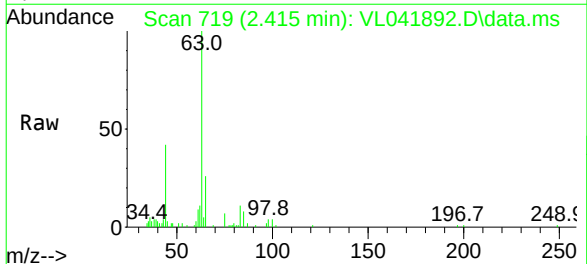
Tgt Ion	Ratio	Lower	Upper
43	100		
86	16.1	6.2	9.4#
42	23.0	8.5	12.7#
44	74.8	4.8	7.2#

Manual Integrations
 APPROVED

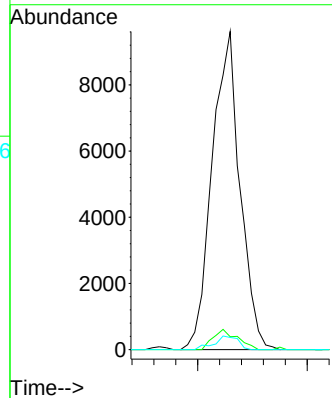
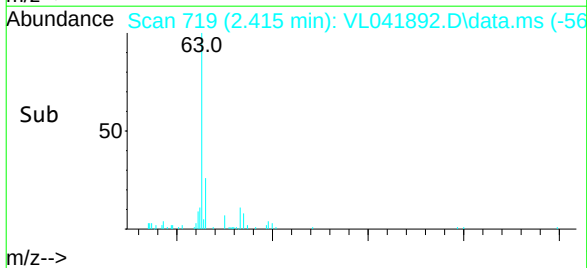
Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025



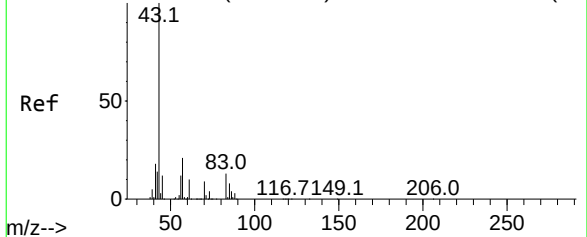
#24
 1,1-Dichloroethane
 Concen: 0.533 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL041892.D
 Acq: 14 Jan 2025 14:30



Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.6	7.8
100	3.8	1.4	4.2



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



#25

Ethyl Acetate

Concen: 0.497 ppbv

RT: 2.845 min Scan# 85

Delta R.T. 0.000 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

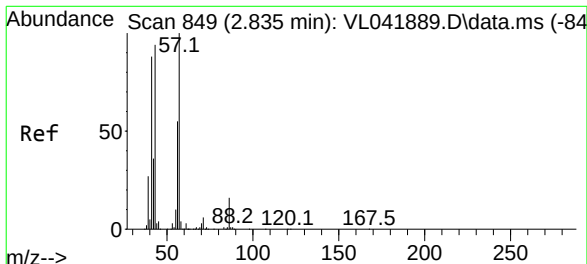
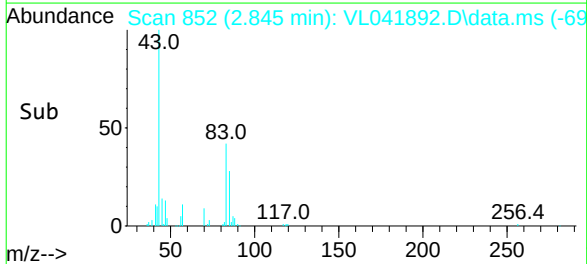
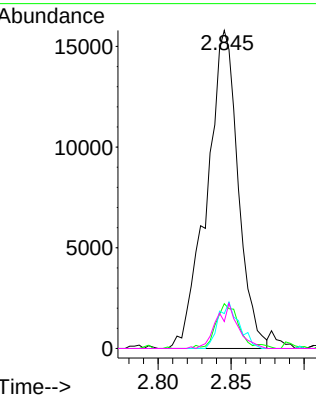
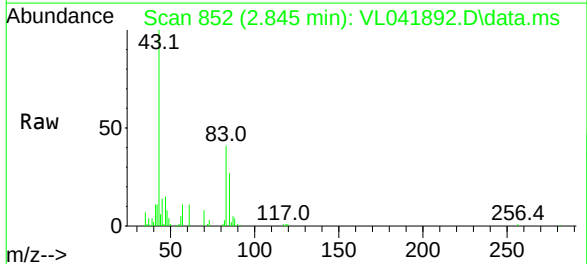
VSTDICC0.5

Tgt Ion:	43	Resp:	23529
Ion	Ratio	Lower	Upper
43	100		
45	11.5	8.2	12.2
61	9.6	7.4	11.0
70	9.7	7.0	10.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#26

Hexane

Concen: 0.494 ppbv m

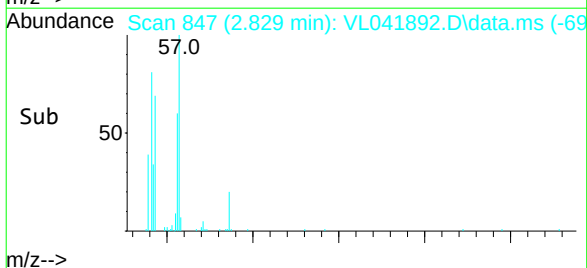
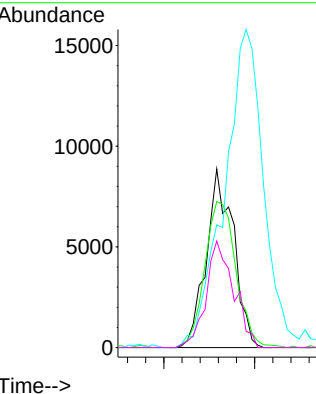
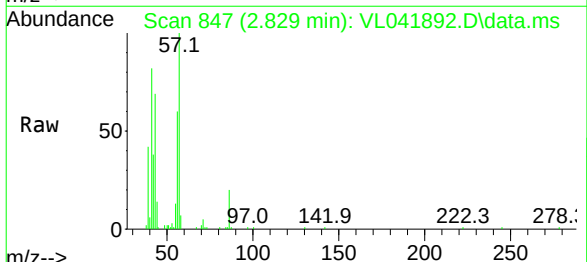
RT: 2.829 min Scan# 847

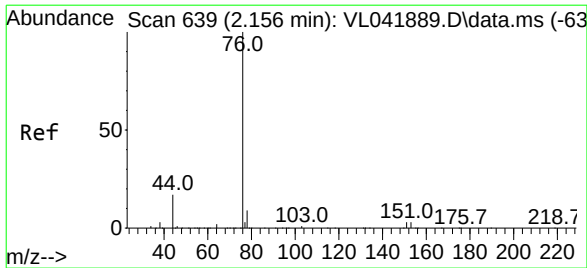
Delta R.T. -0.006 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

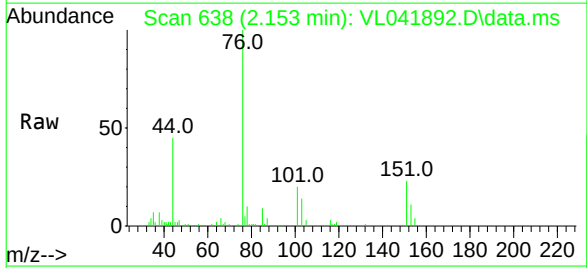
Tgt Ion:	57	Resp:	9246
Ion	Ratio	Lower	Upper
57	100		
41	94.1	73.8	110.8
43	0.0	197.3	295.9#
56	60.6	42.7	64.1





#27
Carbon Disulfide
Concen: 0.477 ppbv
RT: 2.153 min Scan# 639
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

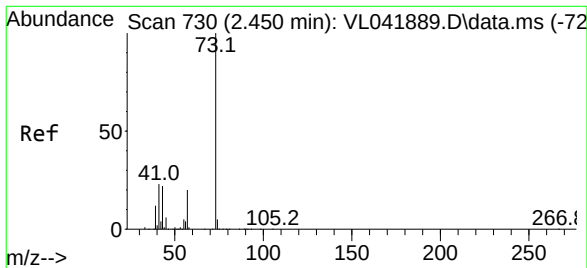
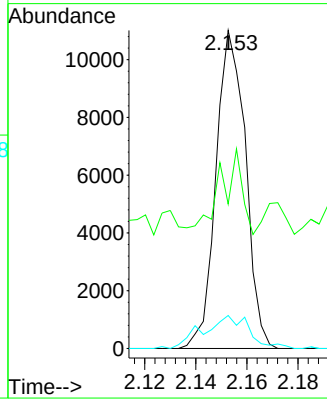
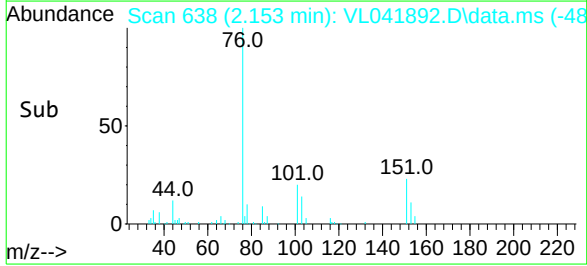
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 76 Resp: 8847
Ion Ratio Lower Upper
76 100
44 149.7 15.4 23.0#
78 16.6 9.3 13.9#

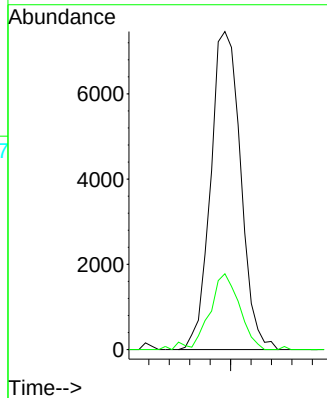
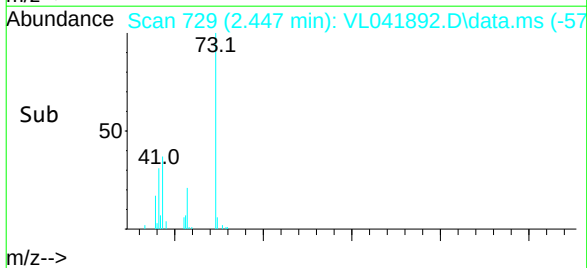
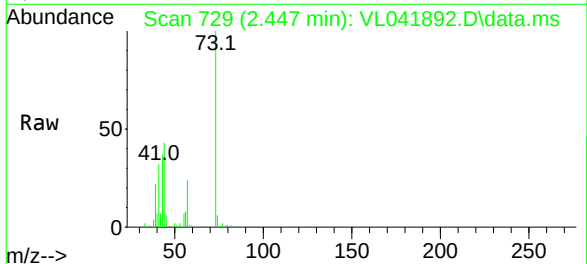
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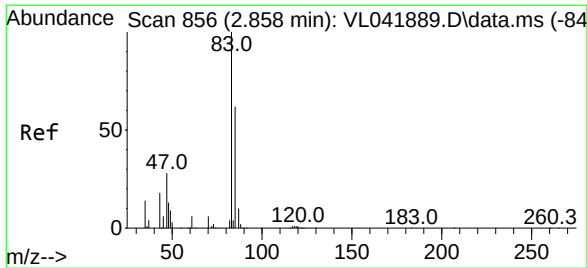
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#28
Methyl tert-Butyl Ether
Concen: 0.532 ppbv
RT: 2.447 min Scan# 729
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Tgt Ion: 73 Resp: 7621
Ion Ratio Lower Upper
73 100
57 24.1 18.1 27.1





#29

Chloroform

Concen: 0.519 ppbv

RT: 2.855 min Scan# 85

Delta R.T. -0.003 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 15360

Ion Ratio Lower Upper

83 100

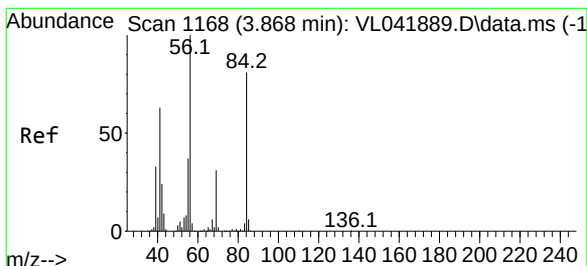
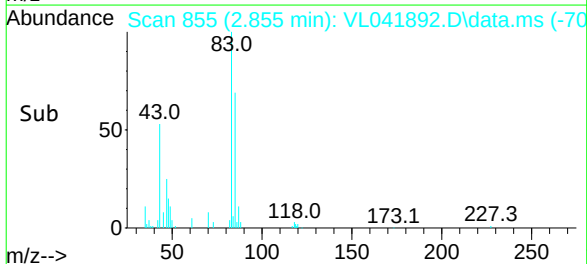
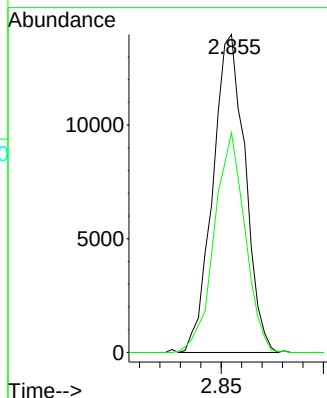
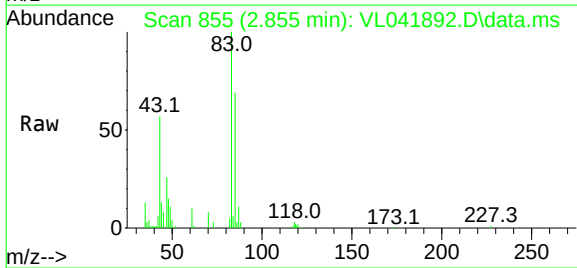
85 68.7 50.1 75.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#30

Cyclohexane

Concen: 0.467 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. 0.003 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

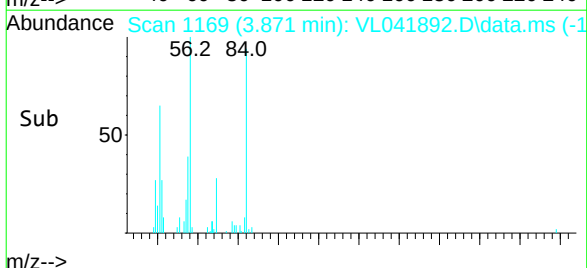
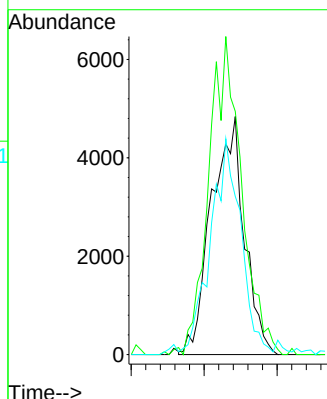
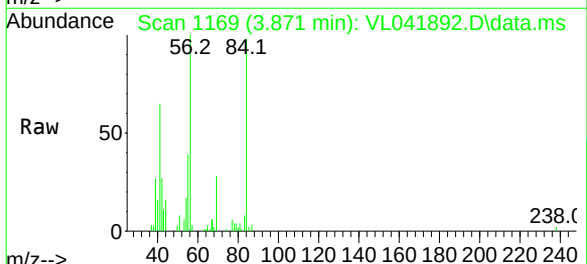
Tgt Ion: 84 Resp: 7579

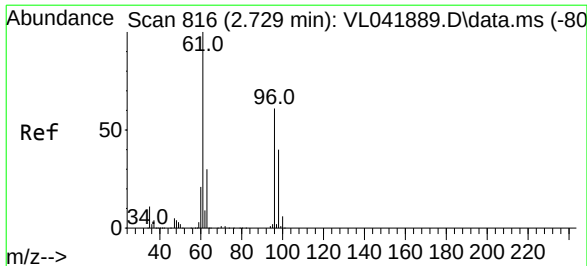
Ion Ratio Lower Upper

84 100

56 133.2 99.3 148.9

41 87.5 64.3 96.5





#31

cis-1,2-Dichloroethene

Concen: 0.521 ppbv

RT: 2.726 min Scan# 816

Delta R.T. -0.003 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

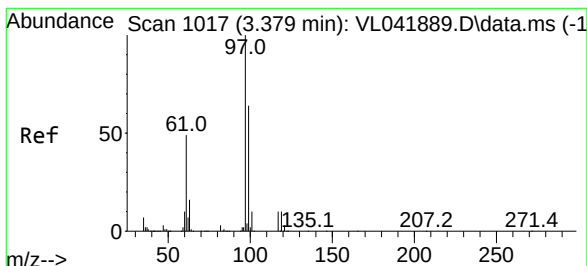
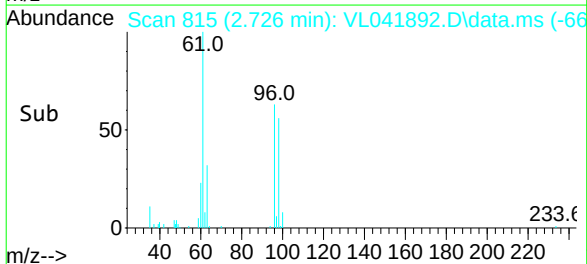
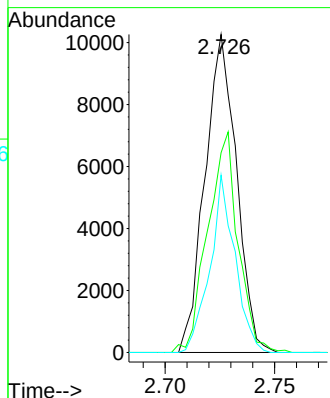
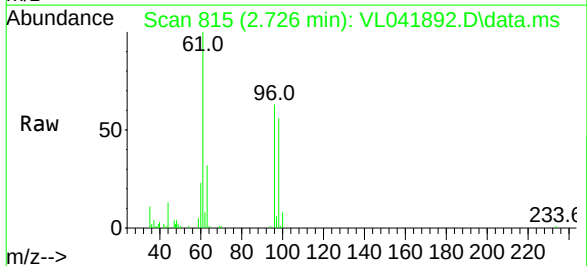
VSTDIC0.5

Tgt Ion:	61	Resp:	10275
Ion	Ratio	Lower	Upper
61	100		
96	62.2	48.7	73.1
98	55.7	31.6	47.4

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Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#32

1,1,1-Trichloroethane

Concen: 0.501 ppbv

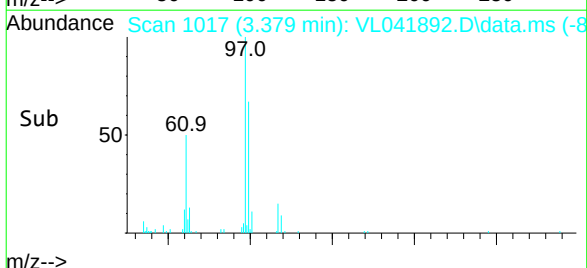
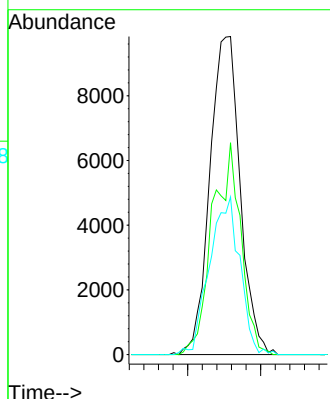
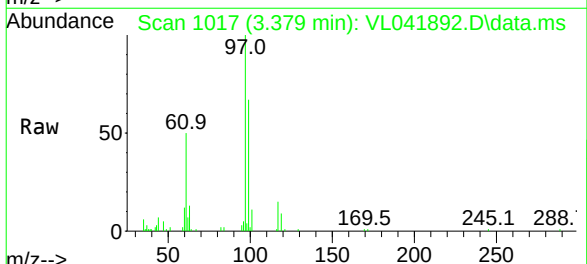
RT: 3.379 min Scan# 1017

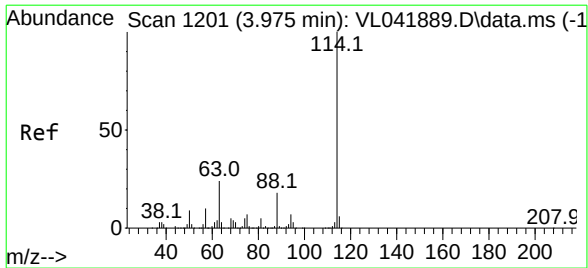
Delta R.T. 0.000 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Tgt Ion:	97	Resp:	14198
Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.1	76.7
61	49.6	39.0	58.6





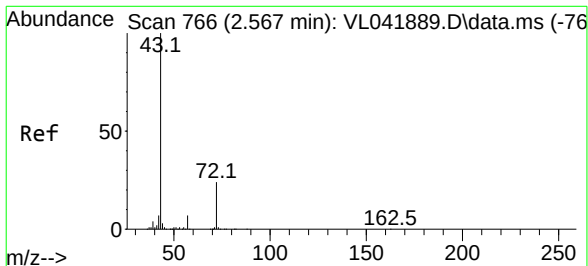
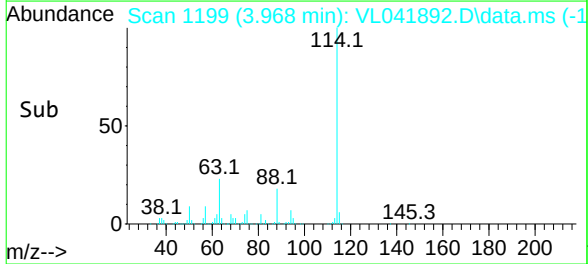
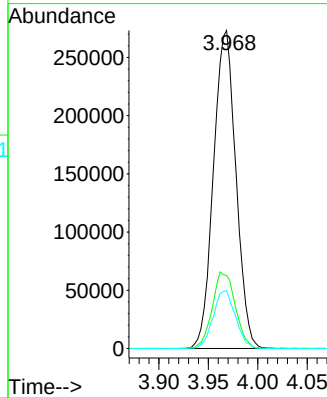
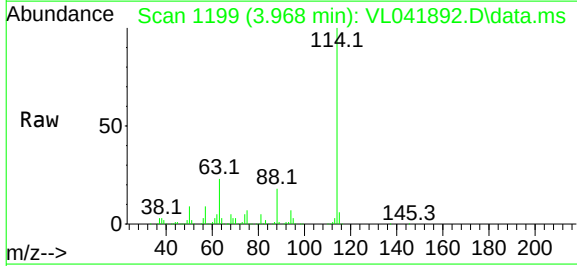
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 111
Delta R.T. -0.006 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:	114	Resp:	430874
Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.8	29.6
88	18.1	14.4	21.6

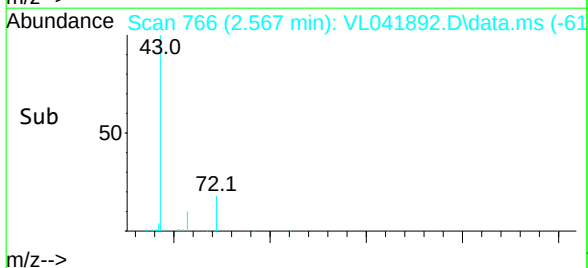
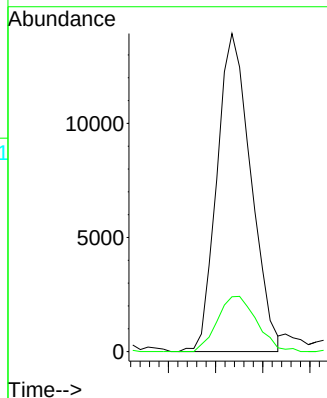
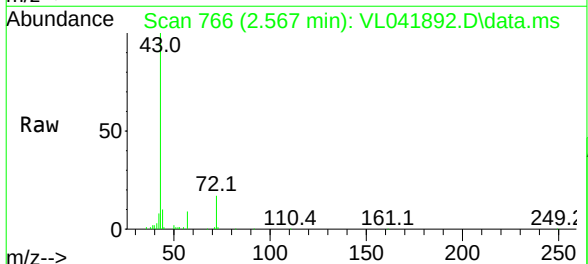
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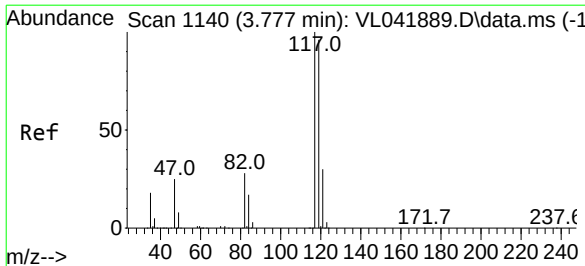
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#34
2-Butanone
Concen: 0.510 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.000 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Tgt Ion:	43	Resp:	13981
Ion	Ratio	Lower	Upper
43	100		
72	20.3	18.6	28.0





#35

Carbon Tetrachloride

Concen: 0.464 ppbv

RT: 3.774 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

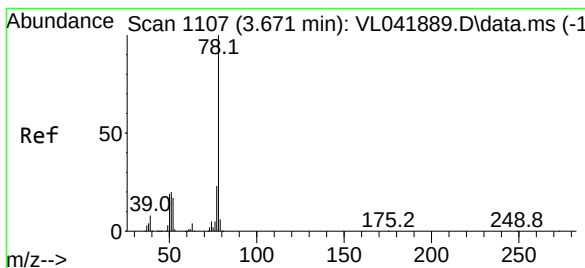
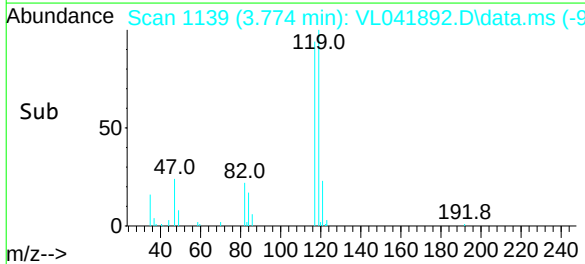
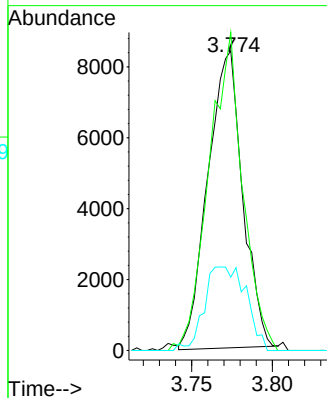
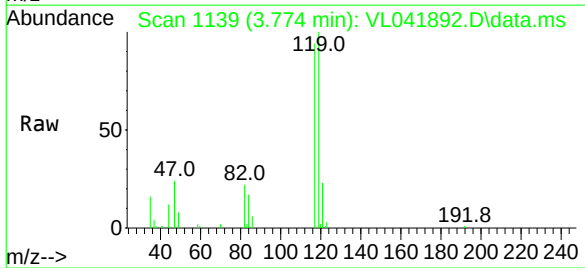
VSTDIC0.5

Tgt Ion:	117	Resp:	12596
Ion Ratio	Lower	Upper	
117	100		
119	107.7	76.9	115.3
121	24.8	23.8	35.6

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Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#36

Benzene

Concen: 0.505 ppbv

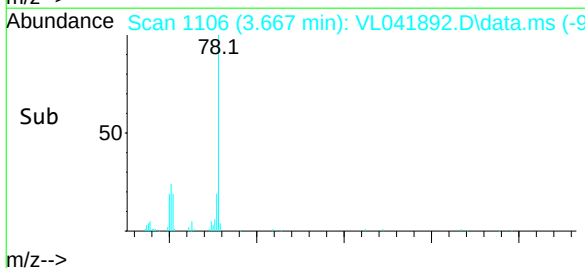
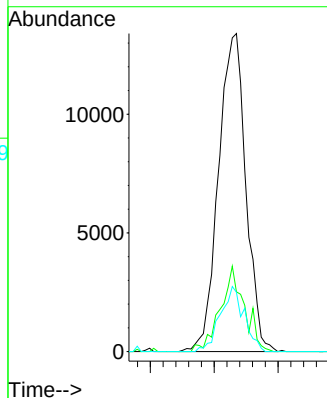
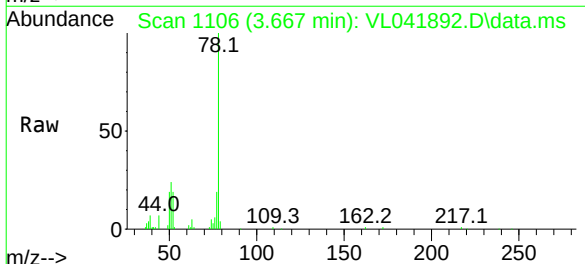
RT: 3.667 min Scan# 1106

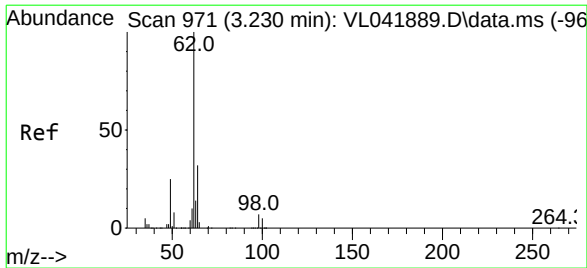
Delta R.T. -0.003 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Tgt Ion:	78	Resp:	19954
Ion Ratio	Lower	Upper	
78	100		
77	18.8	18.1	27.1
50	18.7	15.2	22.8





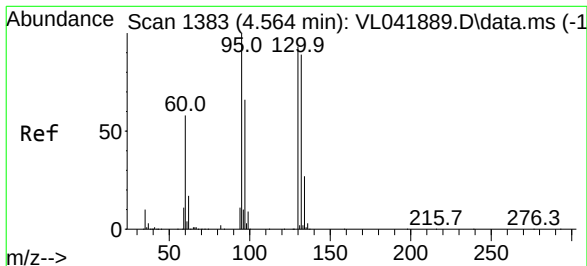
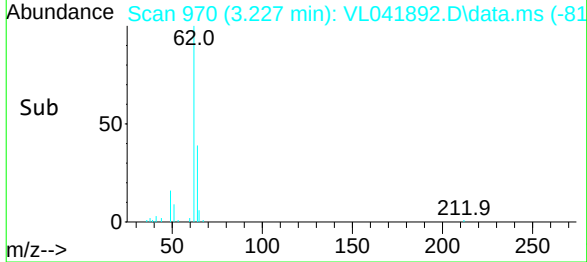
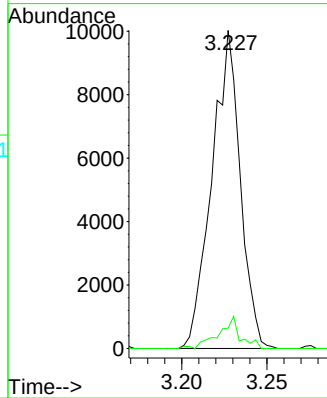
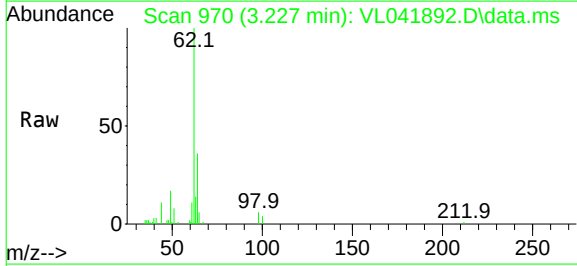
#37
1,2-Dichloroethane
Concen: 0.523 ppbv
RT: 3.227 min Scan# 971
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 11613
Ion Ratio Lower Upper
62 100
98 7.6 5.4 8.0

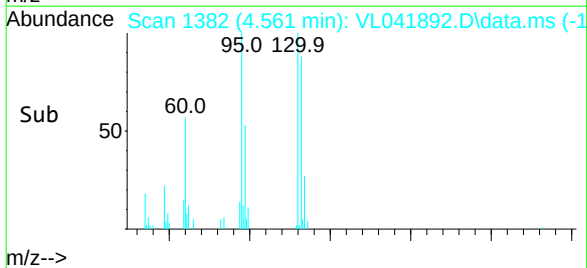
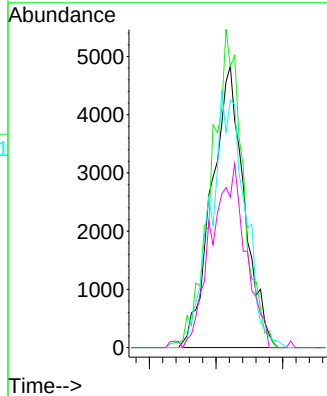
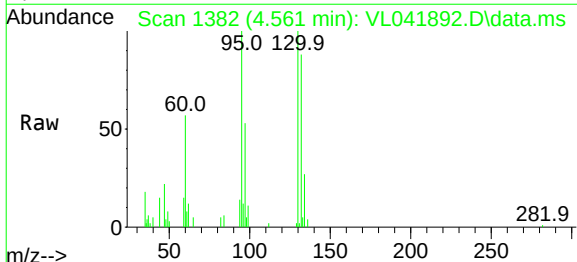
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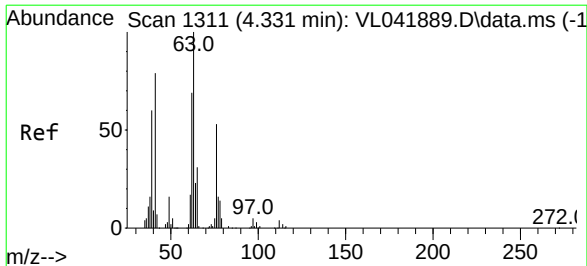
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#38
Trichloroethene
Concen: 0.523 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Tgt Ion:130 Resp: 8199
Ion Ratio Lower Upper
130 100
95 99.8 85.8 128.8
132 87.7 76.5 114.7
97 53.4 56.8 85.2#





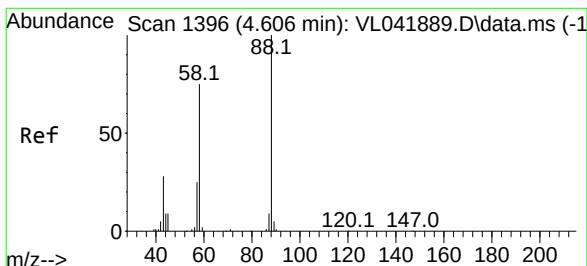
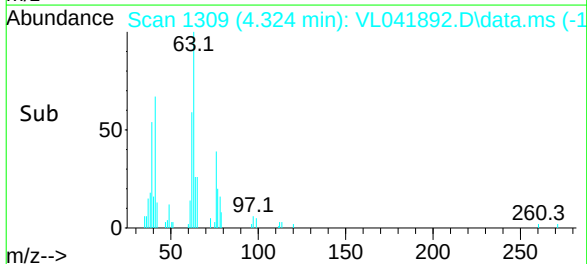
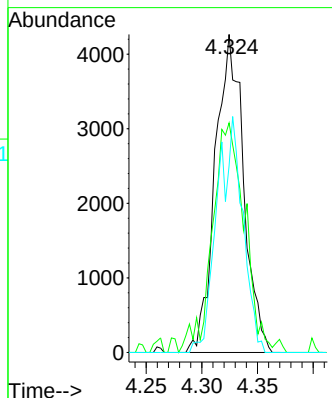
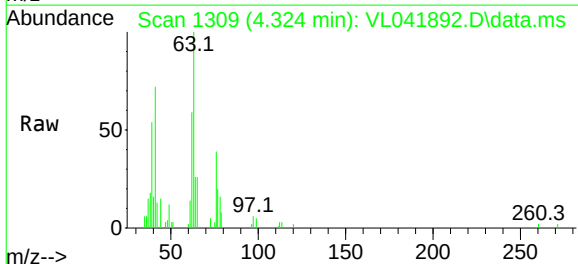
#39
1,2-Dichloropropane
Concen: 0.543 ppbv m
RT: 4.324 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion:	63	Resp:	7526
Ion	Ratio	Lower	Upper
63	100		
41	72.2	63.7	95.5
62	58.7	55.4	83.2

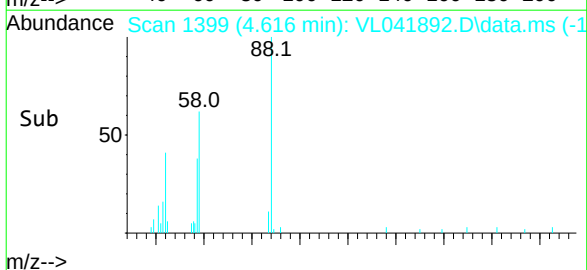
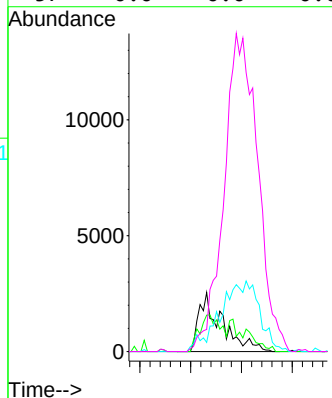
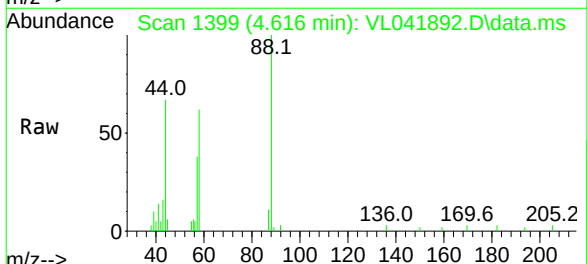
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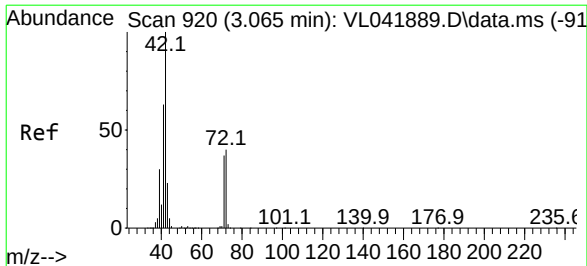
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#40
1,4-Dioxane
Concen: 0.576 ppbv m
RT: 4.616 min Scan# 1399
Delta R.T. 0.010 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Tgt Ion:	88	Resp:	4031
Ion	Ratio	Lower	Upper
88	100		
58	100.1	62.1	93.1#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.481 ppbv

RT: 3.072 min Scan# 92

Delta R.T. 0.007 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

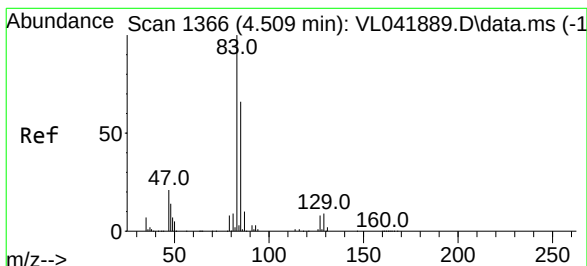
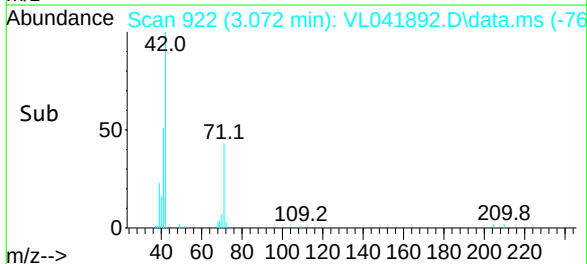
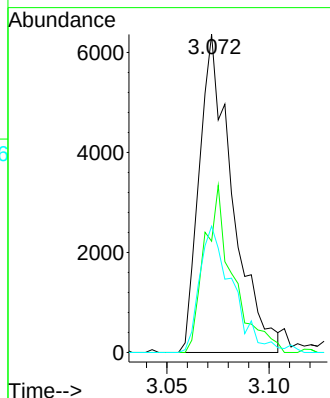
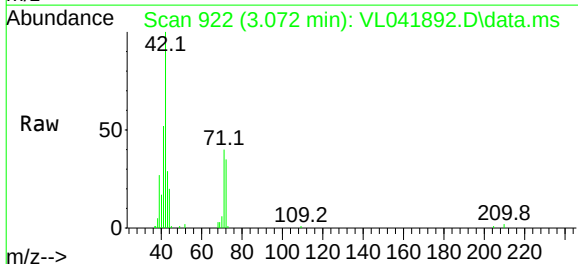
ClientSampleId :

VSTDICC0.5

Tgt Ion:	42	Resp:	7183
Ion	Ratio	Lower	Upper
42	100		
72	45.5	32.3	48.5
71	39.8	29.9	44.9

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#42

Bromodichloromethane

Concen: 0.507 ppbv m

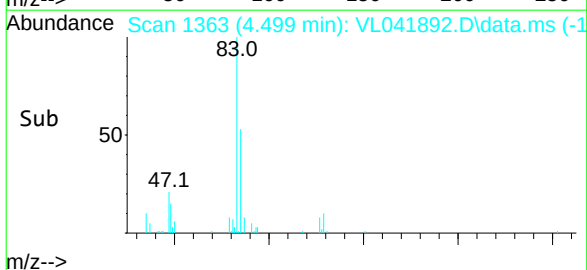
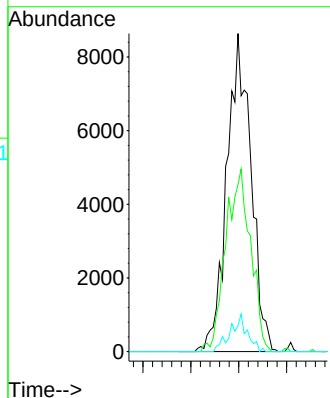
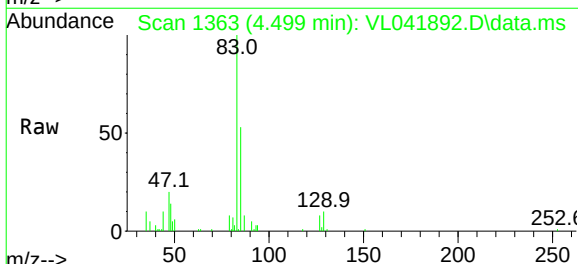
RT: 4.499 min Scan# 1363

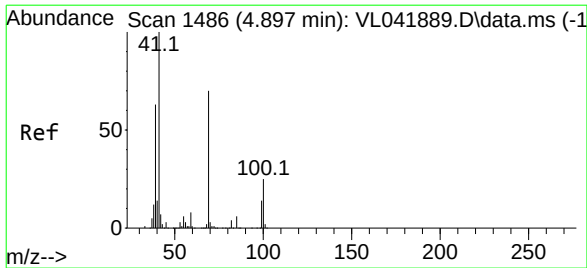
Delta R.T. -0.010 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Tgt Ion:	83	Resp:	15081
Ion	Ratio	Lower	Upper
83	100		
85	52.6	52.6	78.8
127	8.2	6.4	9.6





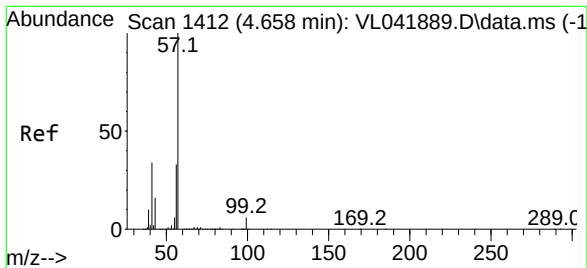
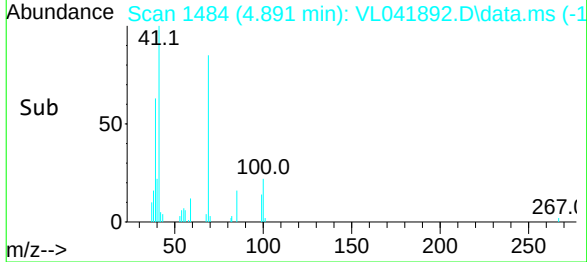
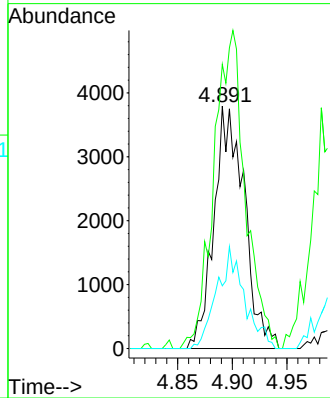
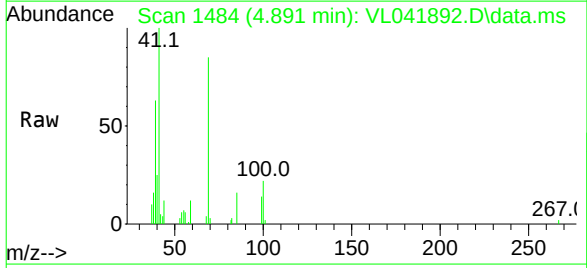
#43
Methyl Methacrylate
Concen: 0.499 ppbv m
RT: 4.891 min Scan# 1486
Delta R.T. -0.006 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:	69	Resp:	7332
Ion	Ratio	Lower	Upper
69	100		
41	135.9	118.6	177.8
100	38.2	29.3	43.9

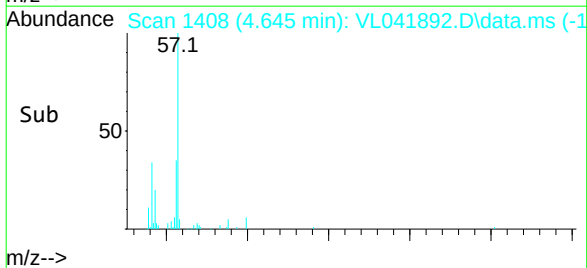
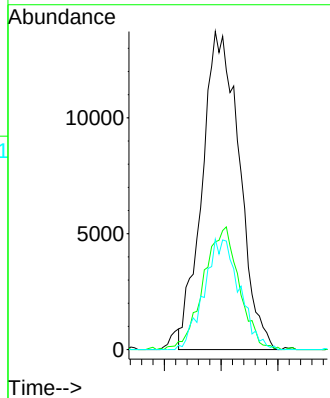
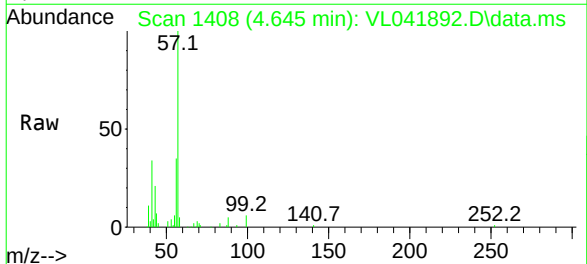
Manual Integrations
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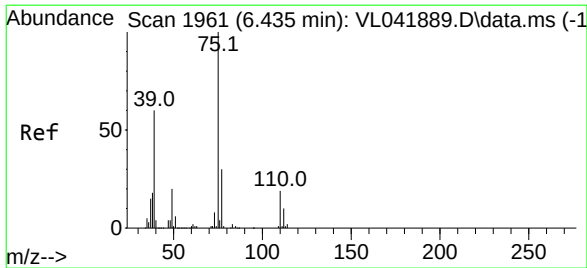
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#44
2,2,4-Trimethylpentane
Concen: 0.489 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.013 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Tgt Ion:	57	Resp:	31243
Ion	Ratio	Lower	Upper
57	100		
41	37.2	26.6	40.0
56	33.1	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 0.470 ppbv m

RT: 6.428 min Scan# 19

Delta R.T. -0.006 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 75 Resp: 6465

Ion Ratio Lower Upper

75 100

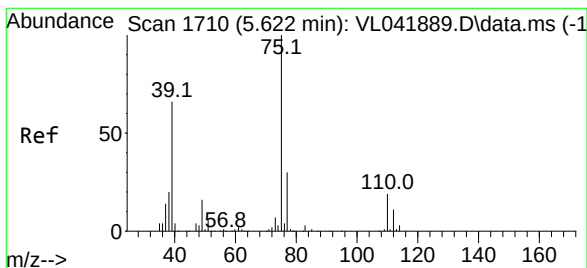
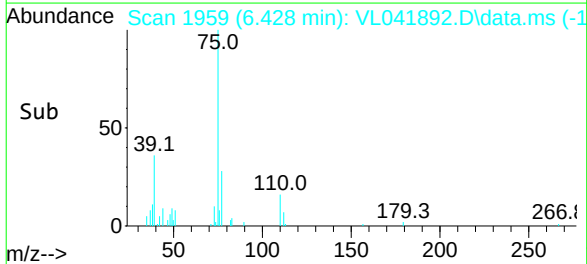
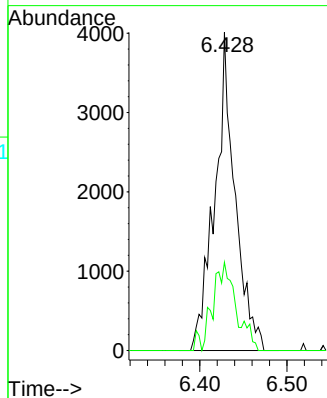
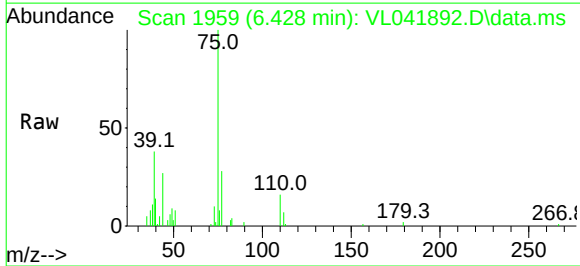
77 27.7 24.3 36.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#46

cis-1,3-Dichloropropene

Concen: 0.443 ppbv m

RT: 5.609 min Scan# 1706

Delta R.T. -0.013 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

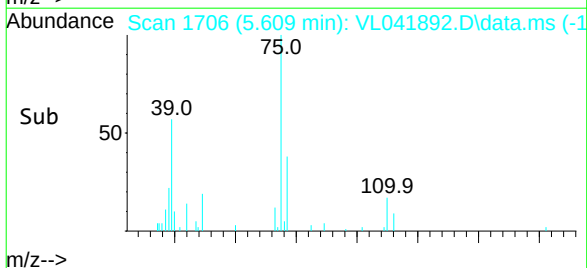
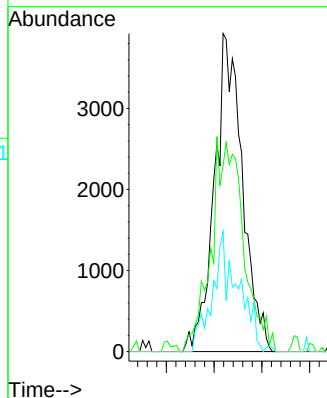
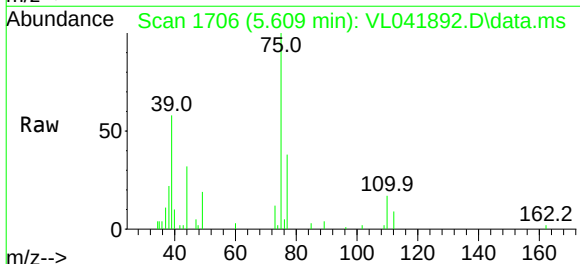
Tgt Ion: 75 Resp: 7986

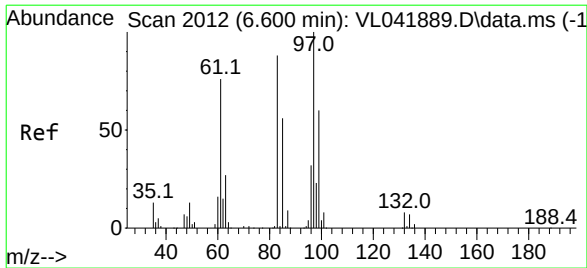
Ion Ratio Lower Upper

75 100

39 58.4 53.1 79.7

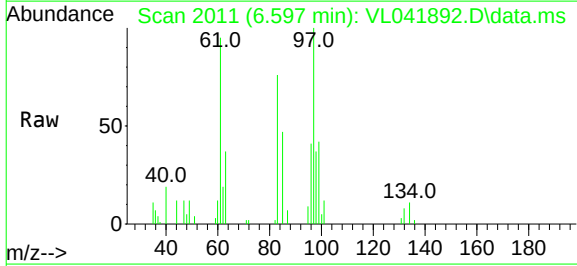
77 37.7 23.8 35.8#





#47
1,1,2-Trichloroethane
Concen: 0.498 ppbv
RT: 6.597 min Scan# 2012
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

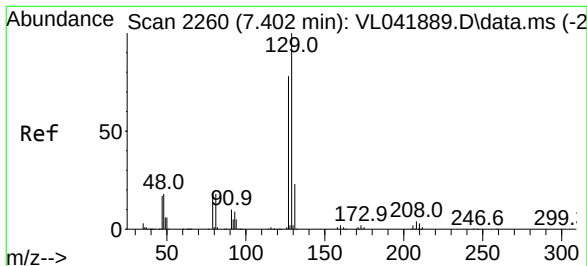
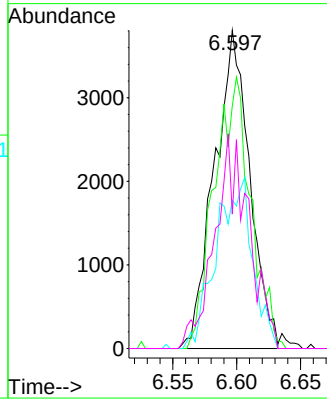
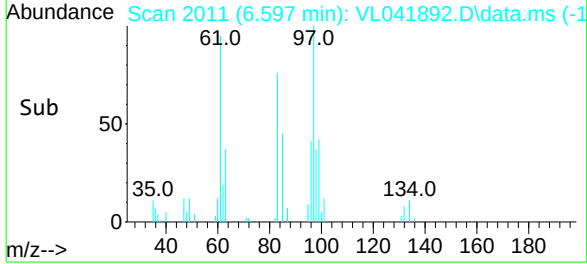
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 97 Resp: 7324
Ion Ratio Lower Upper
97 100
83 76.3 70.4 105.6
85 46.7 45.0 67.4
99 42.2 48.1 72.1#

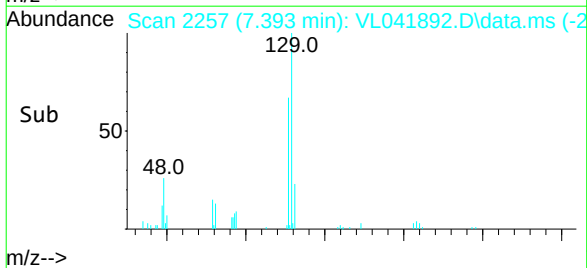
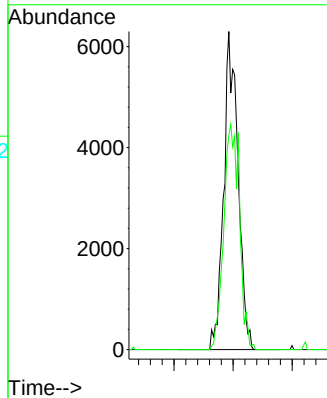
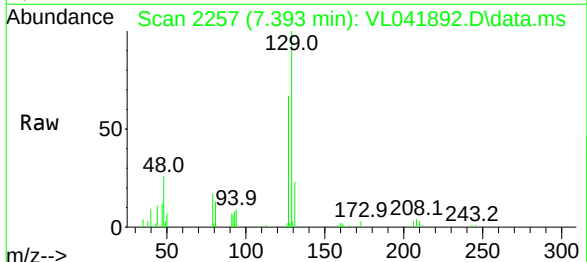
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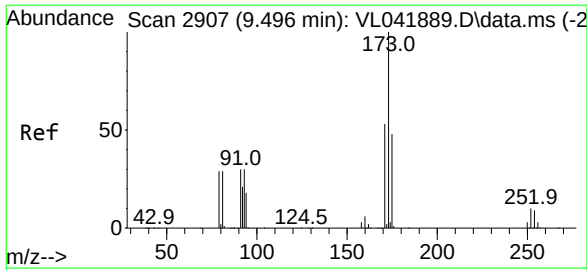
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#48
Dibromochloromethane
Concen: 0.465 ppbv m
RT: 7.393 min Scan# 2257
Delta R.T. -0.010 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Tgt Ion:129 Resp: 10548
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#





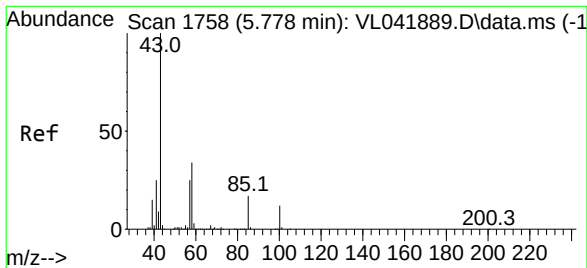
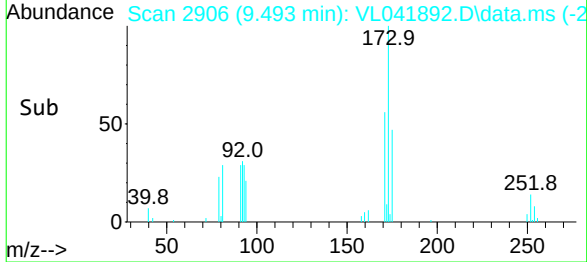
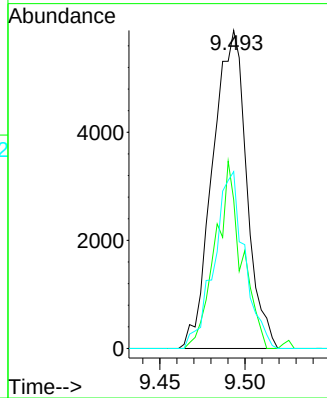
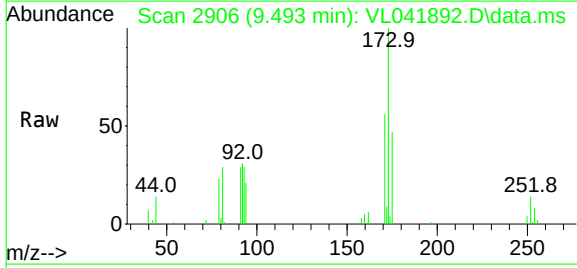
#49
Bromoform
Concen: 0.438 ppbv
RT: 9.493 min Scan# 2906
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.3	38.4	57.6
171	49.7	41.4	62.2

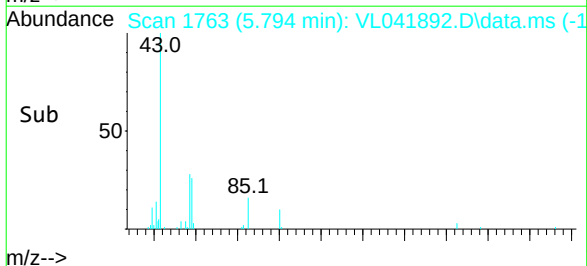
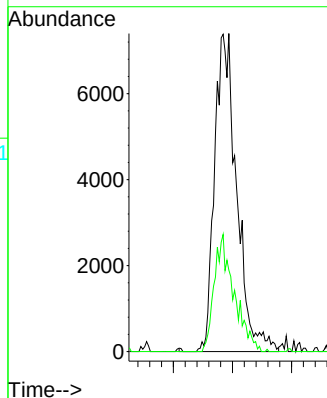
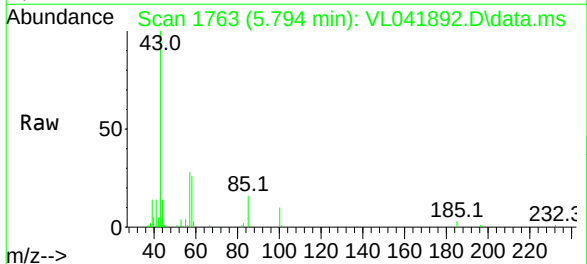
Manual Integrations
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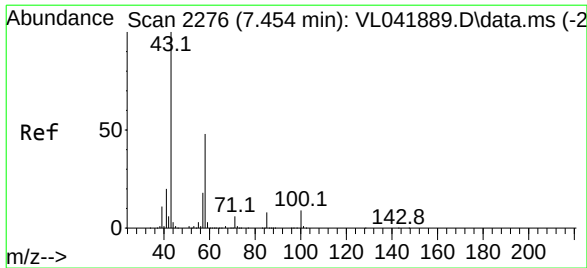
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#50
4-Methyl-2-Pentanone
Concen: 0.515 ppbv m
RT: 5.794 min Scan# 1763
Delta R.T. 0.016 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

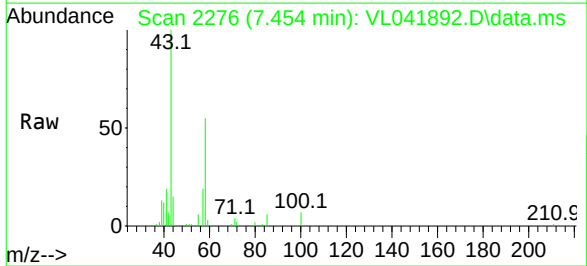
Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.0	29.0	43.6





#51
2-Hexanone
Concen: 0.466 ppbv
RT: 7.454 min Scan# 2276
Delta R.T. 0.000 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

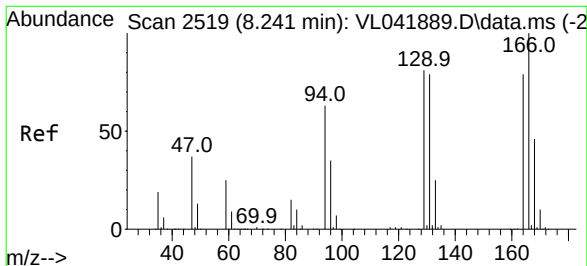
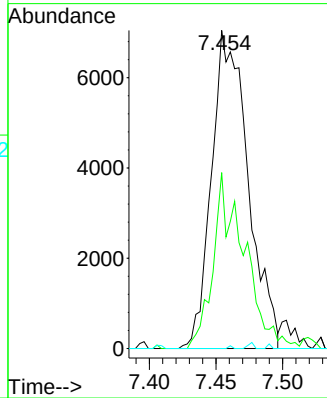
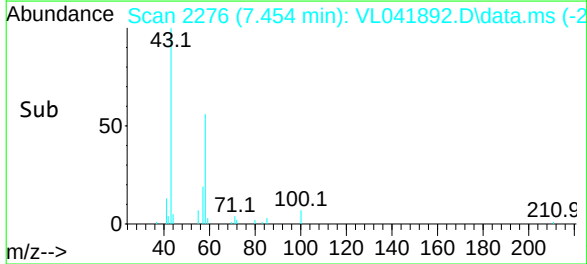
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



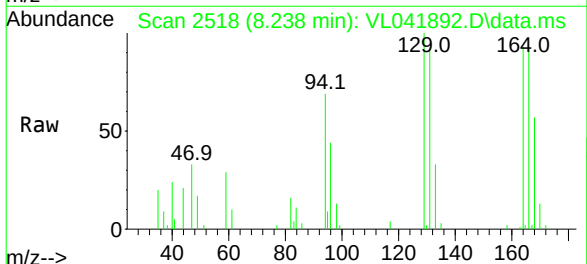
Tgt Ion: 43 Resp: 13390
Ion Ratio Lower Upper
43 100
58 48.5 40.4 60.6
98 0.5 0.2 0.2

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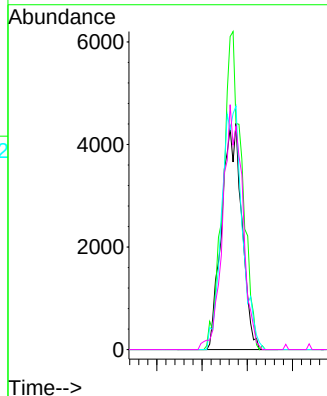
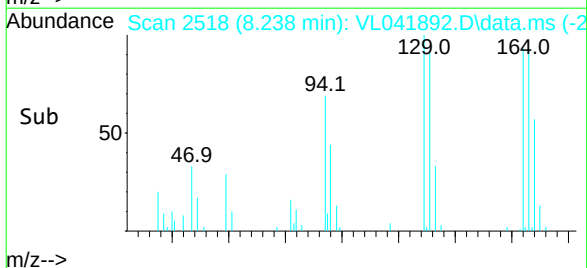
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

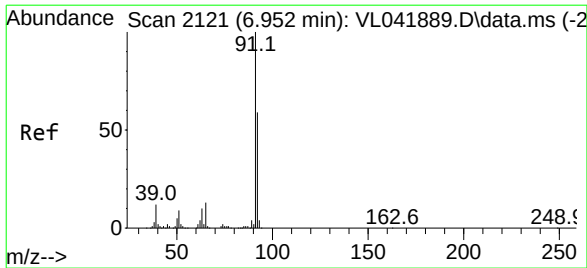


#52
Tetrachloroethene
Concen: 0.498 ppbv m
RT: 8.238 min Scan# 2518
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30



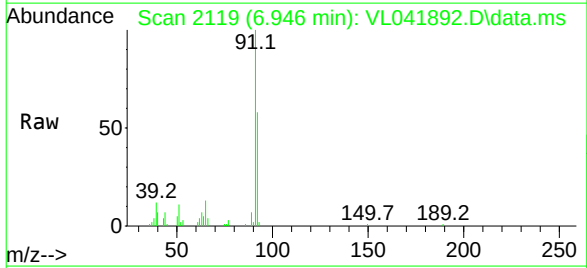
Tgt Ion:164 Resp: 6821
Ion Ratio Lower Upper
164 100
166 99.9 100.8 151.2#
129 107.6 82.0 123.0
131 98.7 80.2 120.2





#53
Toluene
Concen: 0.467 ppbv
RT: 6.946 min Scan# 2118
Delta R.T. -0.006 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

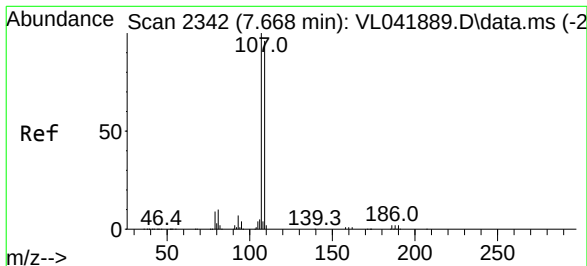
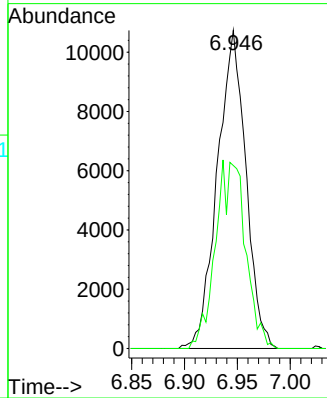
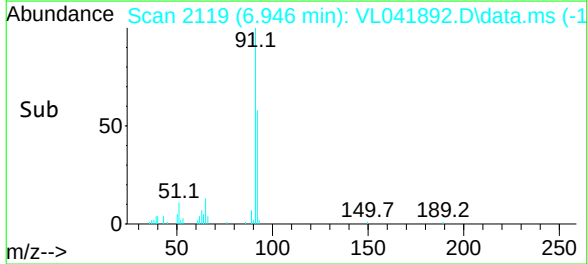
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



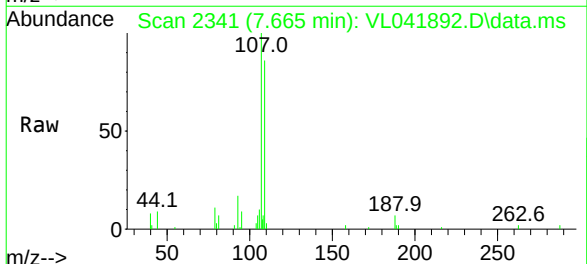
Tgt Ion: 91 Resp: 20118
Ion Ratio Lower Upper
91 100
92 62.3 47.4 71.0

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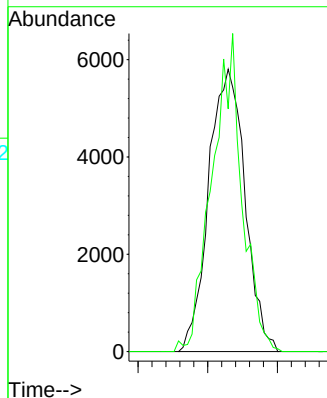
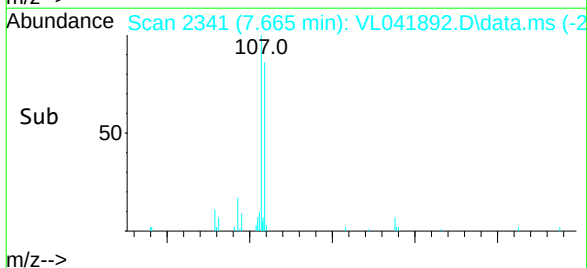
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

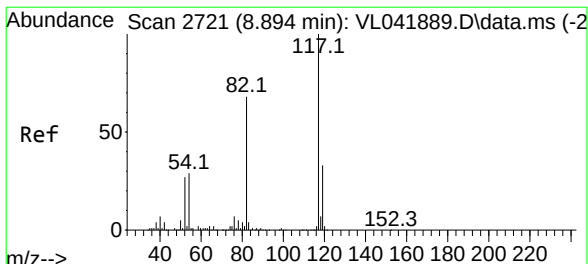


#54
1,2-Dibromoethane
Concen: 0.520 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30



Tgt Ion:107 Resp: 10511
Ion Ratio Lower Upper
107 100
109 85.0 76.7 115.1





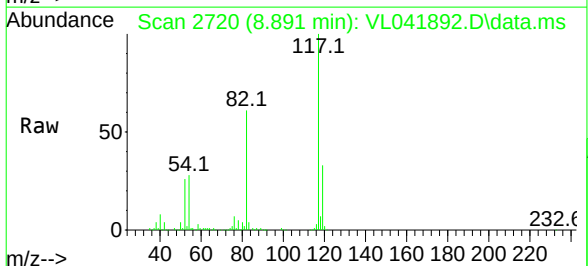
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 8.891 min Scan# 2721
 Delta R.T. -0.003 min
 Lab File: VL041892.D
 Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

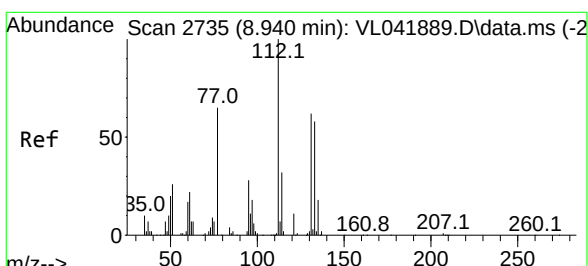
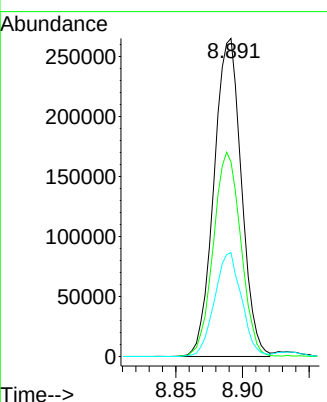
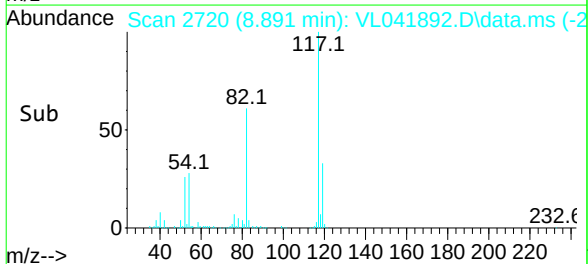


Tgt Ion: 117 Resp: 379402

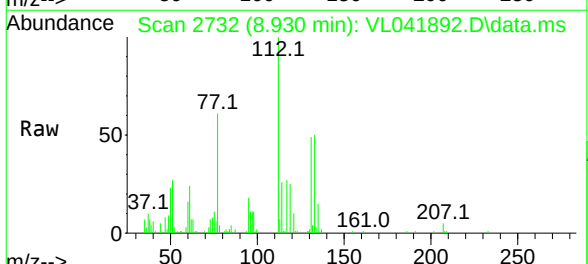
Ion	Ratio	Lower	Upper
117	100		
82	64.4	54.2	81.4
119	33.5	25.0	37.6

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Reviewed By : Semsettin Yesilyurt 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

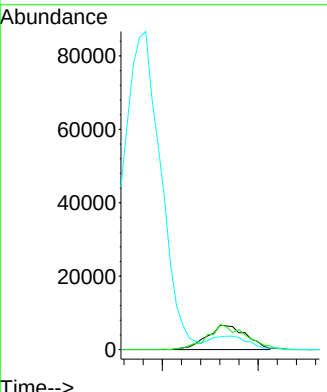
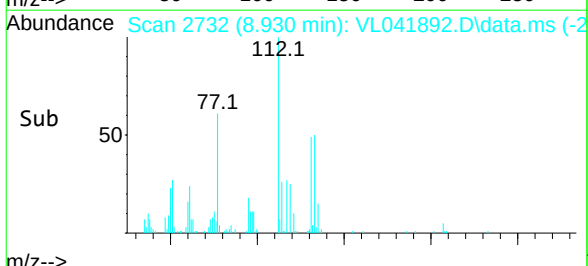


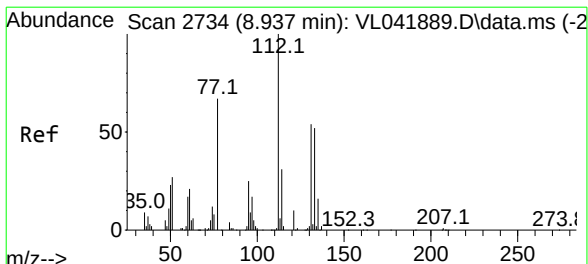
#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.503 ppbv
 RT: 8.930 min Scan# 2732
 Delta R.T. -0.010 min
 Lab File: VL041892.D
 Acq: 14 Jan 2025 14:30



Tgt Ion: 131 Resp: 9524

Ion	Ratio	Lower	Upper
131	100		
133	99.8	76.0	114.0
119	1332.8	49.7	74.5#



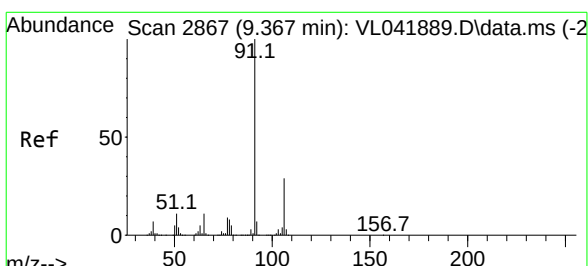
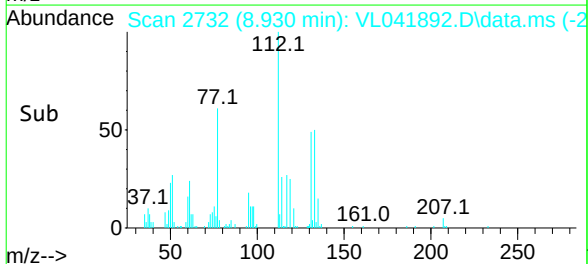
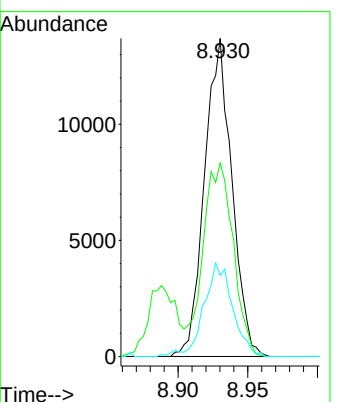
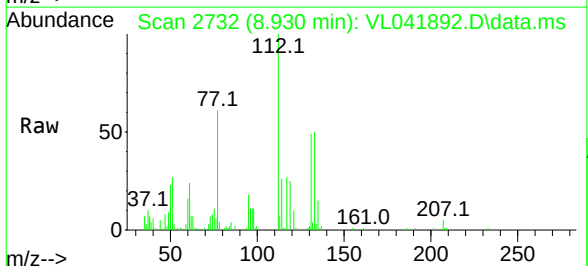


#57
Chlorobenzene
Concen: 0.534 ppbv
RT: 8.930 min Scan# 2734
Delta R.T. -0.006 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

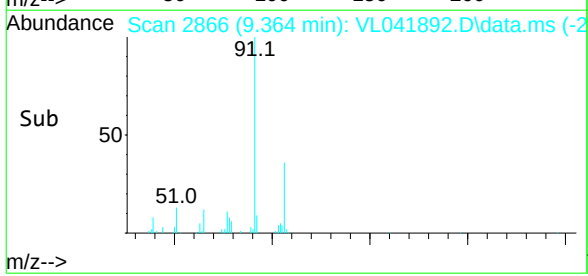
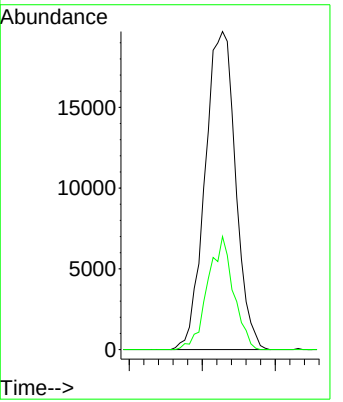
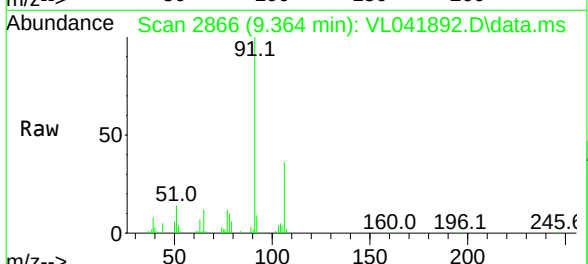
Tgt Ion:	112	Resp:	18701
Ion Ratio	Lower	Upper	
112	100		
77	60.8	54.6	82.0
114	25.5	28.2	34.4

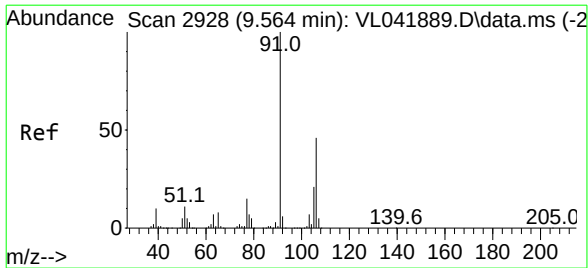
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Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#58
Ethyl Benzene
Concen: 0.482 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. -0.003 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

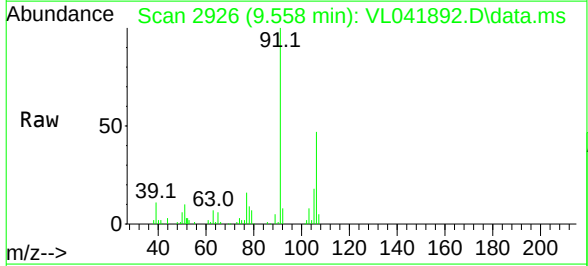
Tgt Ion:	91	Resp:	28584
Ion Ratio	Lower	Upper	
91	100		
106	35.5	23.1	34.7





#59
m/p-Xylene
Concen: 0.946 ppbv m
RT: 9.558 min Scan# 29
Delta R.T. -0.006 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

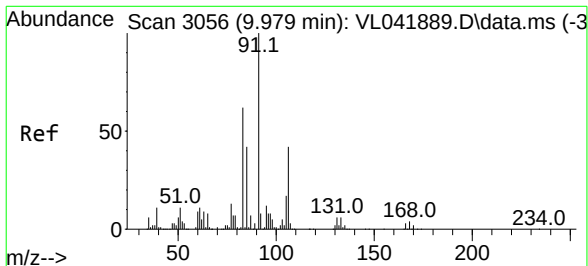
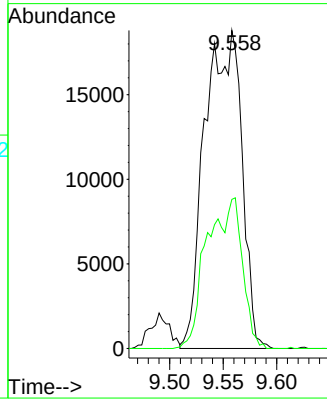
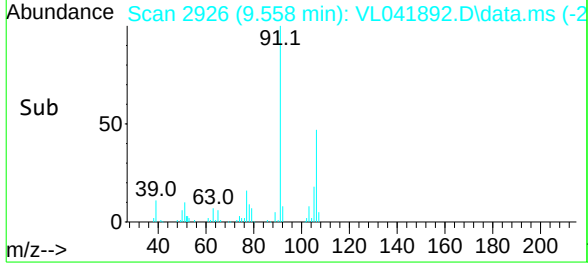
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 91 Resp: 45003
Ion Ratio Lower Upper
91 100
106 45.5 36.0 54.0

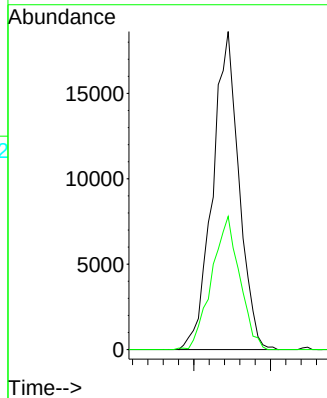
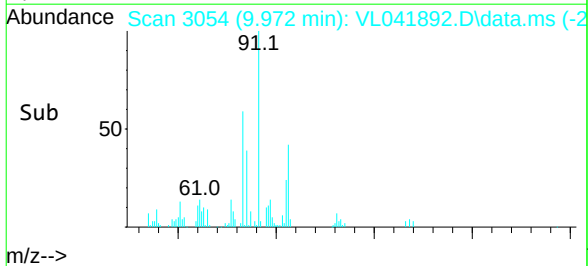
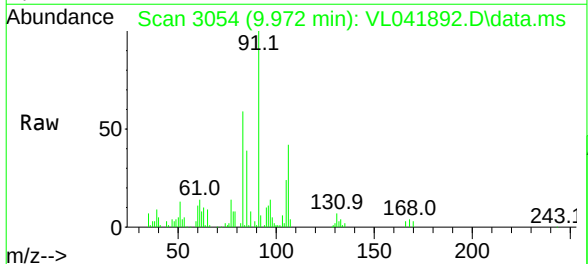
Manual Integrations
APPROVED

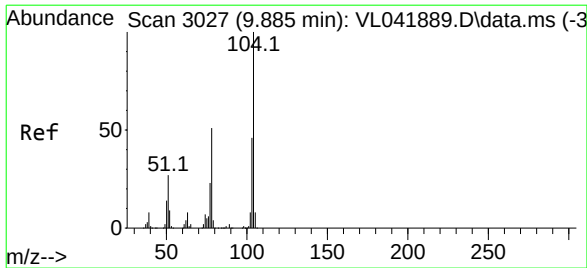
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#60
o-Xylene
Concen: 0.474 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. -0.006 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Tgt Ion: 91 Resp: 22370
Ion Ratio Lower Upper
91 100
106 44.2 21.3 63.9





#61

Styrene

Concen: 0.463 ppbv

RT: 9.879 min Scan# 3027

Delta R.T. -0.006 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

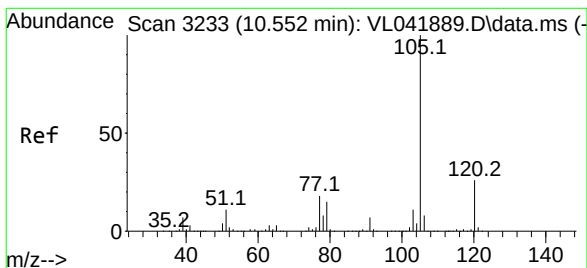
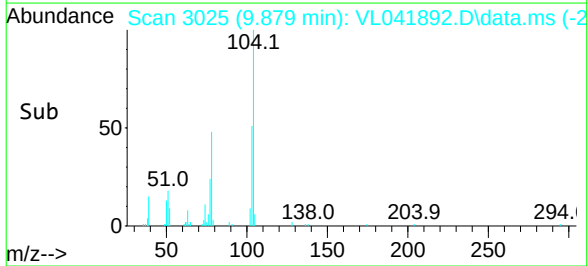
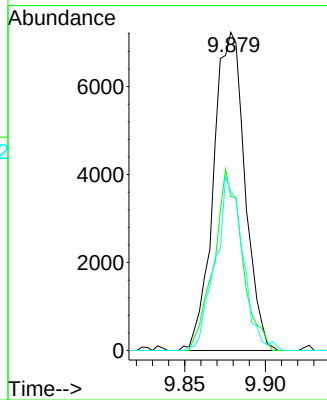
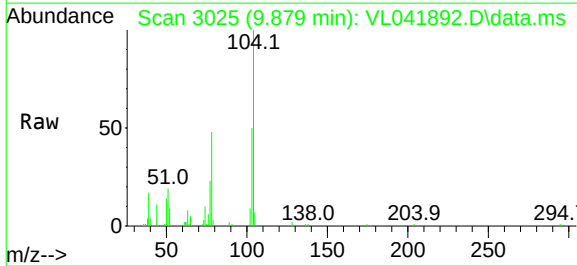
VSTDIC0.5

Tgt Ion:	104	Resp:	9788
Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.0	61.6
103	48.2	37.2	55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#62

Isopropylbenzene

Concen: 0.501 ppbv

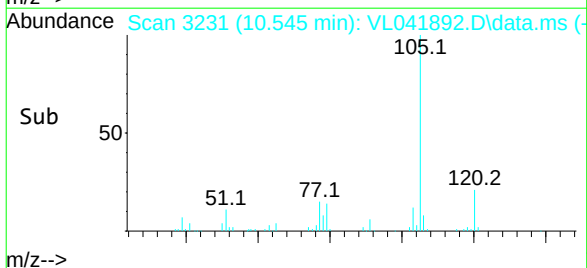
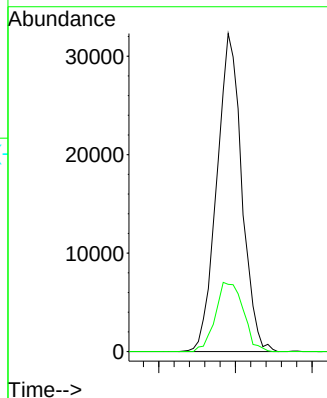
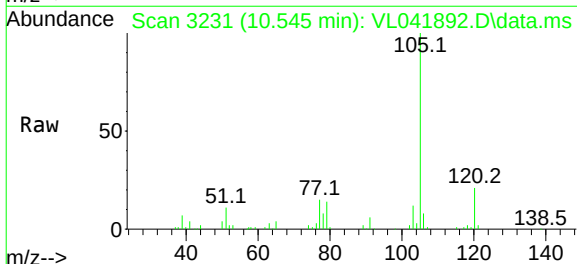
RT: 10.545 min Scan# 3231

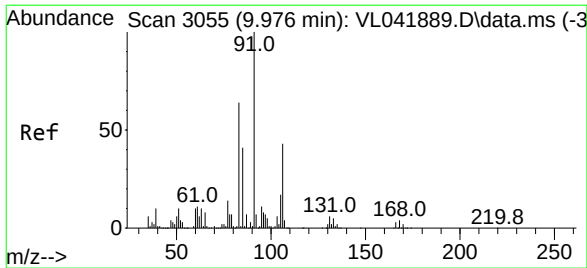
Delta R.T. -0.006 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Tgt Ion:	105	Resp:	36561
Ion	Ratio	Lower	Upper
105	100		
120	24.3	20.3	30.5





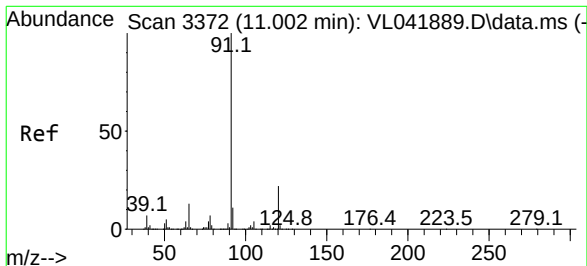
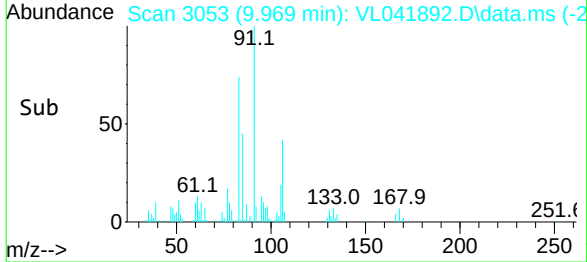
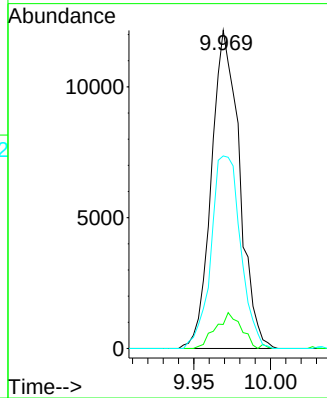
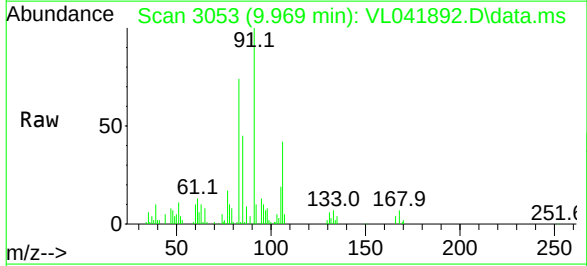
#63
1,1,2,2-Tetrachloroethane
Concen: 0.521 ppbv
RT: 9.969 min Scan# 3055
Delta R.T. -0.006 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.8	14.4
85	63.5	32.4	97.2

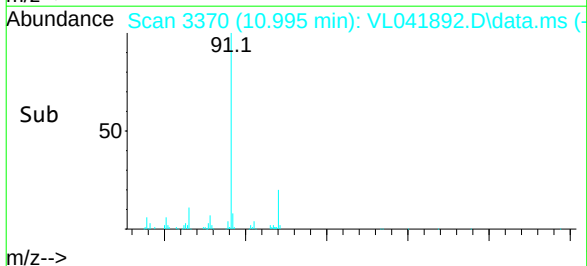
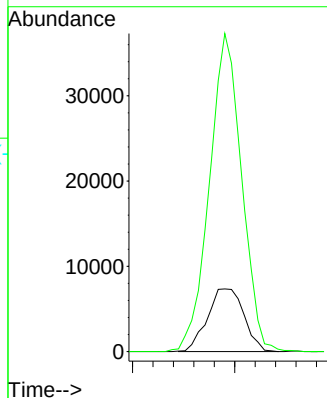
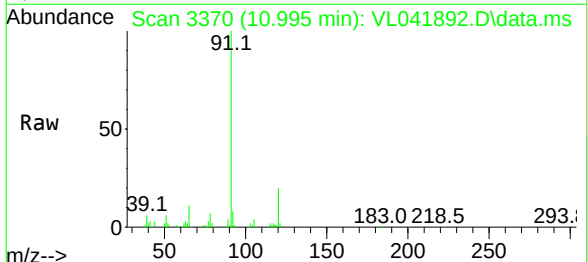
Manual Integrations
APPROVED

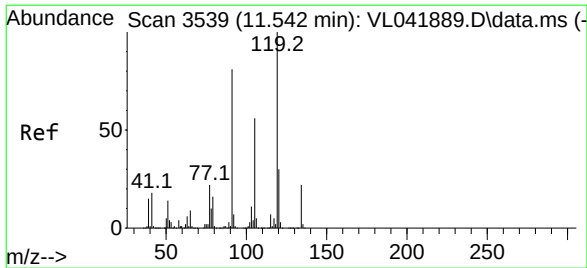
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#64
n-propylbenzene
Concen: 0.495 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. -0.006 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Tgt Ion	Ratio	Lower	Upper
120	100		
91	447.9	374.1	561.1





#65

tert-Butylbenzene

Concen: 0.498 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.006 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

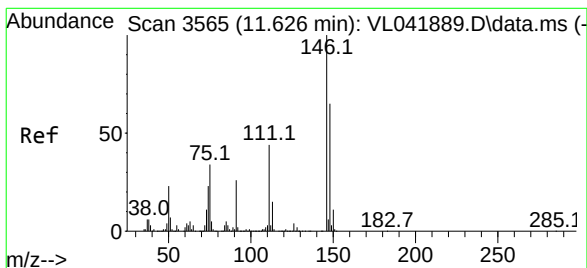
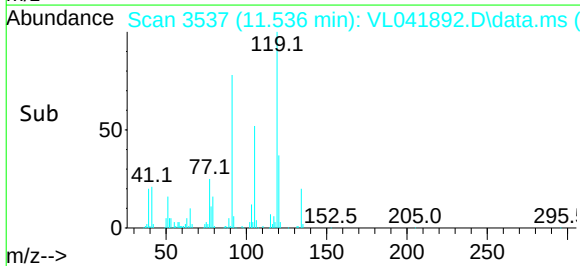
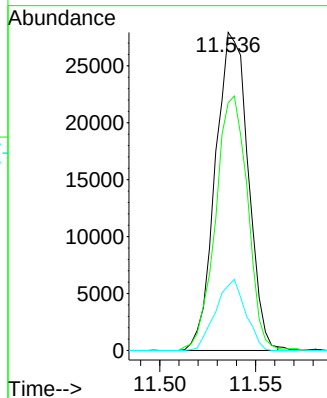
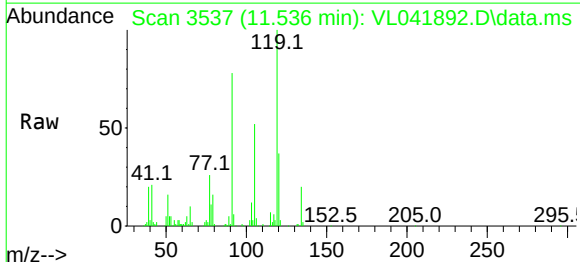
VSTDIC0.5

Tgt Ion:	119	Resp:	33122
Ion Ratio	Lower	Upper	
119	100		
91	78.4	64.6	97.0
134	20.4	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#66

Benzyl Chloride

Concen: 0.470 ppbv

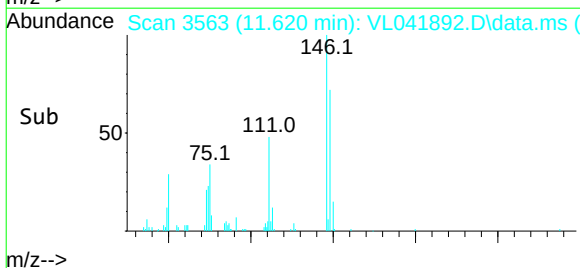
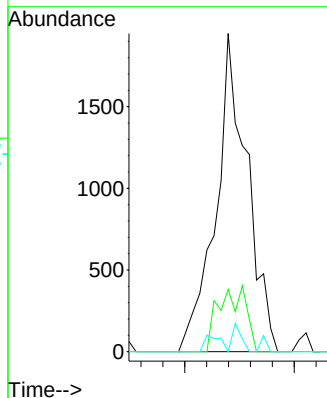
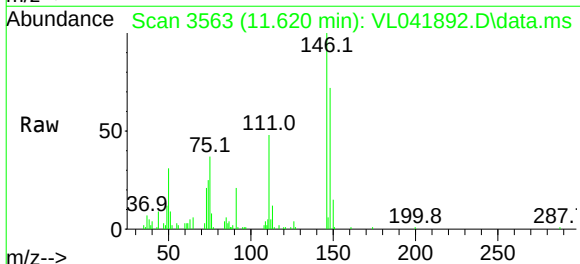
RT: 11.620 min Scan# 3563

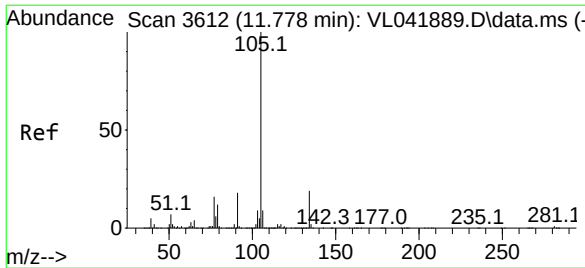
Delta R.T. -0.006 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Tgt Ion:	91	Resp:	1935
Ion Ratio	Lower	Upper	
91	100		
126	17.9	14.1	21.1
128	6.1	4.3	6.5





#67

sec-Butylbenzene

Concen: 0.495 ppbv

RT: 11.775 min Scan# 3612

Delta R.T. -0.003 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 105 Resp: 45326

Ion Ratio Lower Upper

105 100

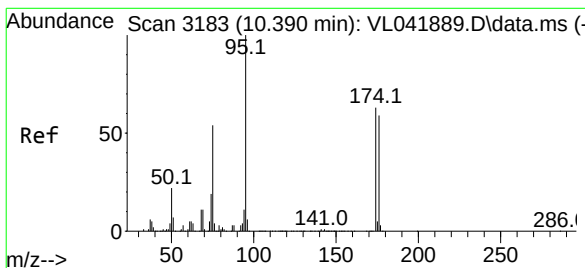
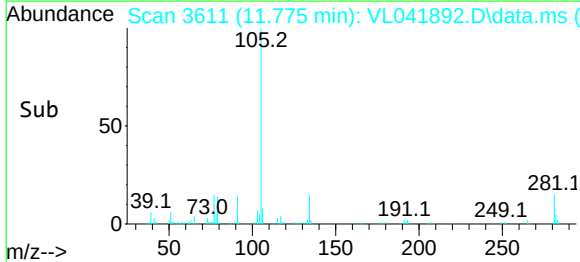
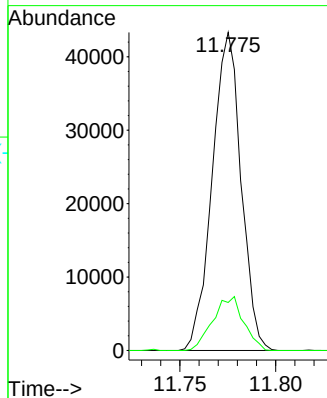
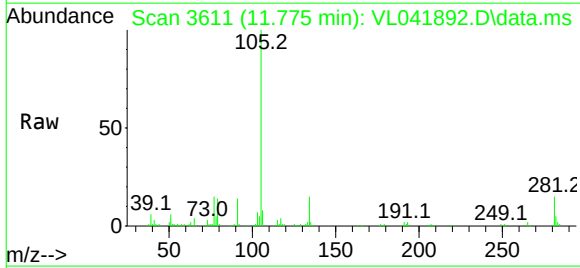
134 18.1 15.1 22.7

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 01/15/2025

Supervised By : Mahesh Dadoda 01/15/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.954 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. -0.006 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

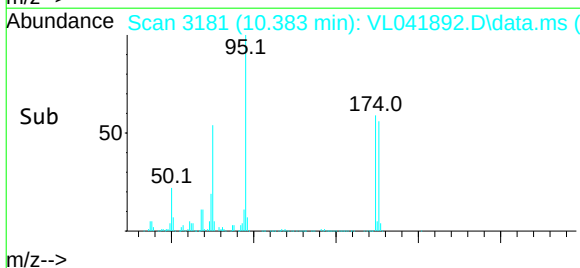
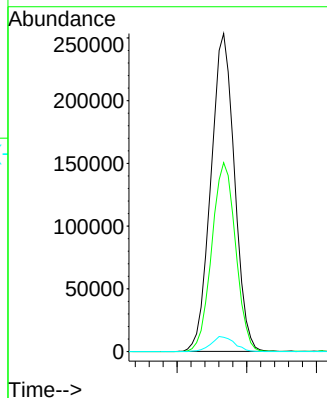
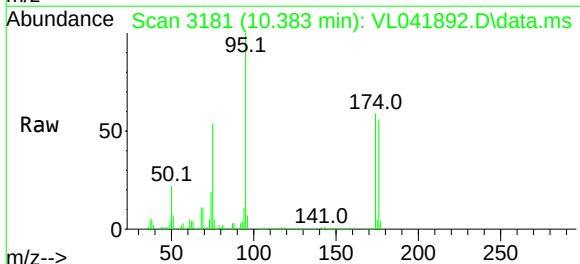
Tgt Ion: 95 Resp: 297462

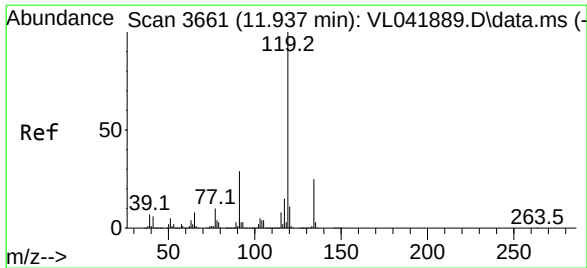
Ion Ratio Lower Upper

95 100

174 60.4 49.0 73.4

175 4.7 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.466 ppbv

RT: 11.931 min Scan# 3661

Delta R.T. -0.006 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

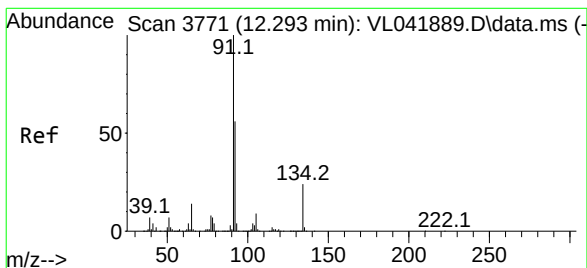
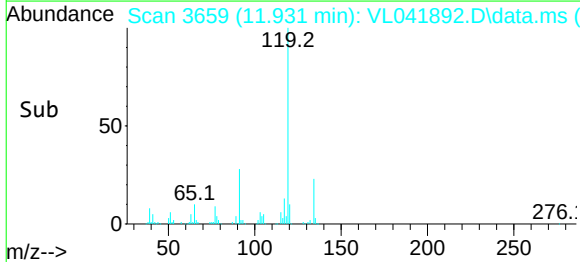
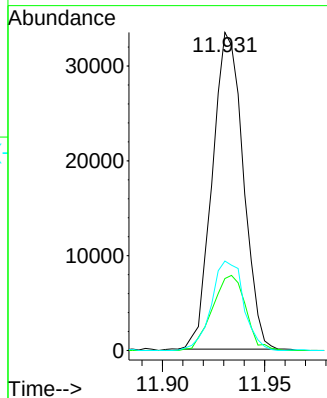
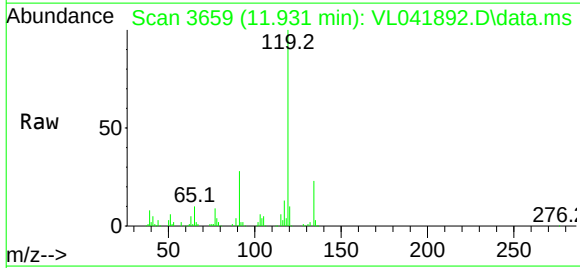
VSTDICC0.5

Tgt Ion:	119	Resp:	35136
Ion Ratio	Lower	Upper	
119	100		
134	25.5	19.8	29.6
91	29.5	23.0	34.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#70

n-Butylbenzene

Concen: 0.473 ppbv

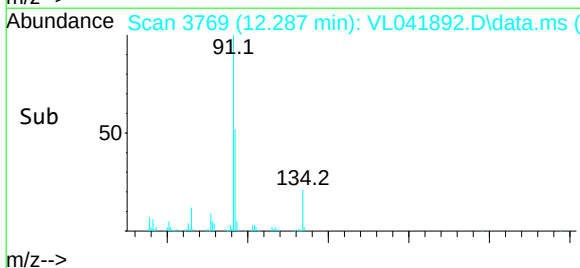
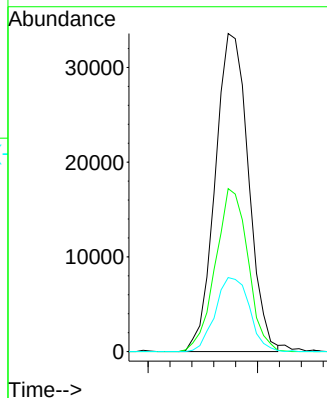
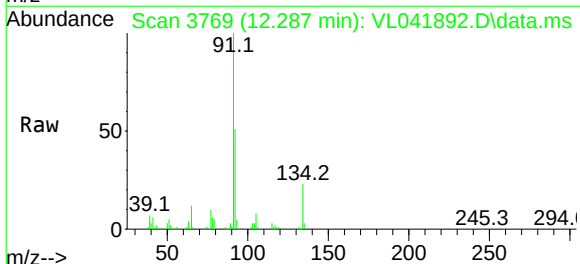
RT: 12.287 min Scan# 3769

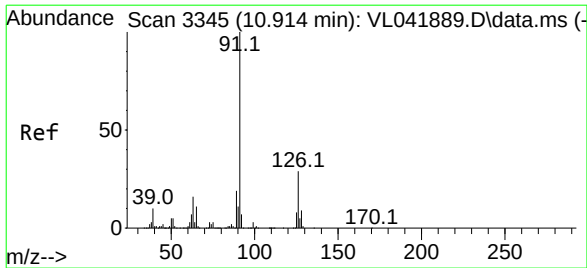
Delta R.T. -0.006 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

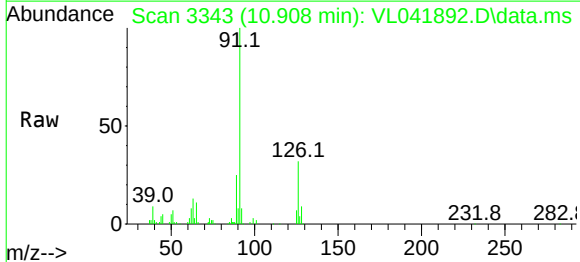
Tgt Ion:	91	Resp:	35409
Ion Ratio	Lower	Upper	
91	100		
92	50.1	43.8	65.6
134	23.9	19.0	28.6





#71
2-Chlorotoluene
Concen: 0.490 ppbv
RT: 10.908 min Scan# 3345
Delta R.T. -0.006 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

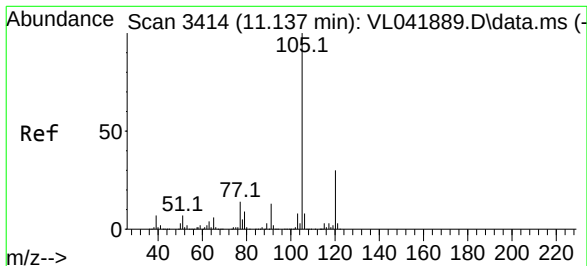
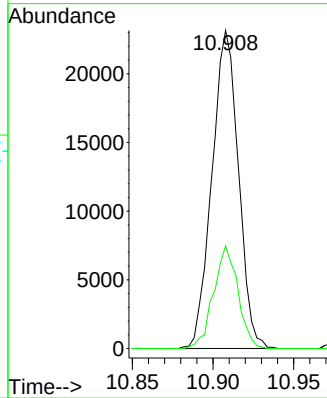
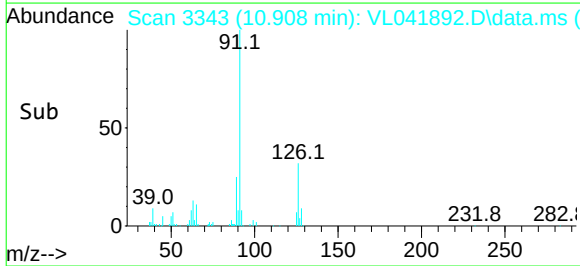
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



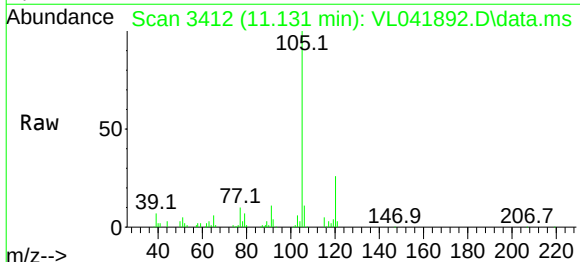
Tgt Ion: 91 Resp: 26436
Ion Ratio Lower Upper
91 100
126 29.7 11.7 46.7

Manual Integrations
APPROVED

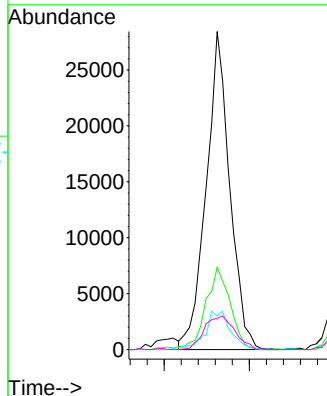
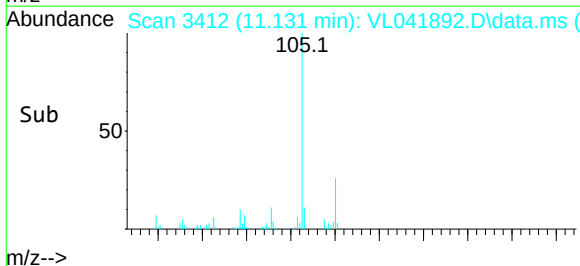
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

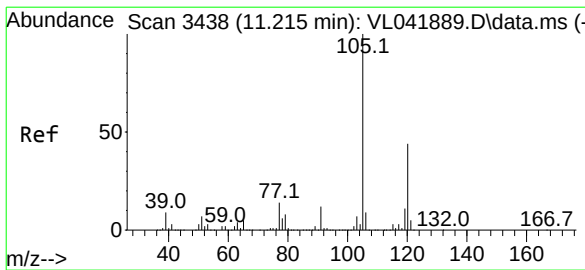


#72
4-Ethyltoluene
Concen: 0.485 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.006 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30



Tgt Ion:105 Resp: 27363
Ion Ratio Lower Upper
105 100
120 27.1 23.7 35.5
91 13.3 10.2 15.2
77 13.8 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.465 ppbv

RT: 11.209 min Scan# 3438

Delta R.T. -0.006 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

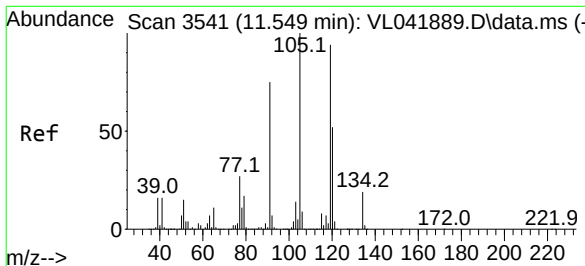
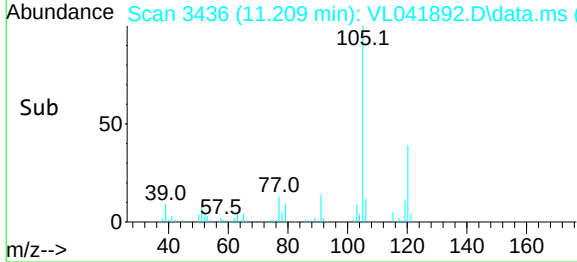
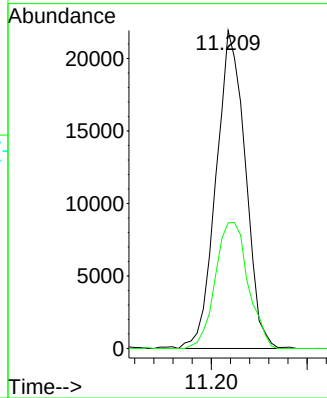
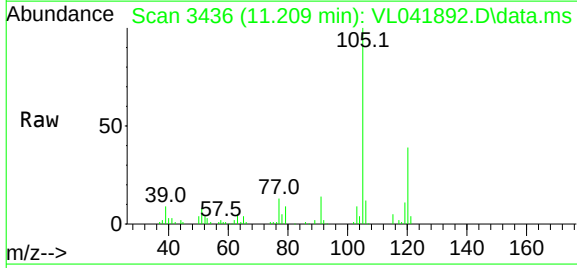
VSTDIC0.5

Tgt Ion:	105	Resp:	23183
Ion Ratio	Lower	Upper	
105	100		
120	39.5	35.4	53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.478 ppbv

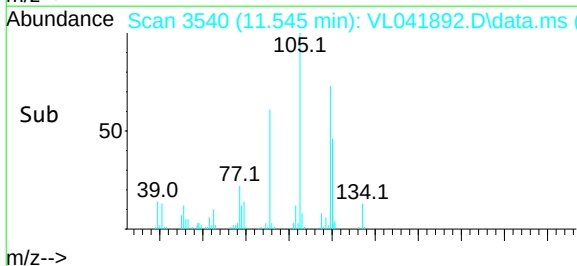
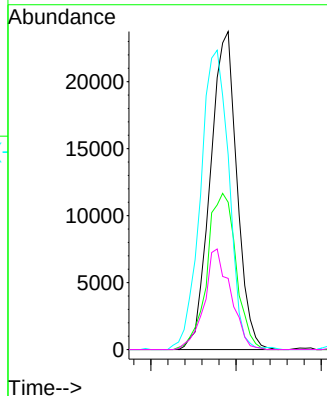
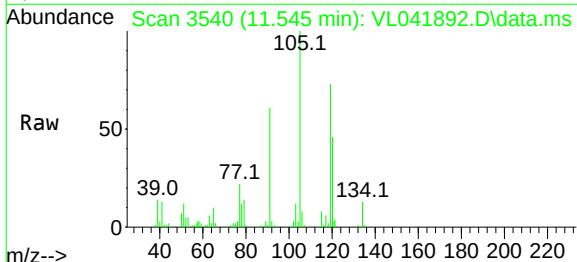
RT: 11.545 min Scan# 3540

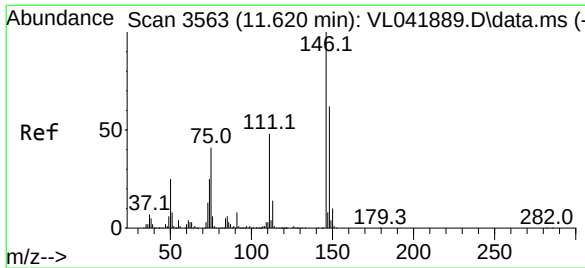
Delta R.T. -0.003 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Tgt Ion:	105	Resp:	25777
Ion Ratio	Lower	Upper	
105	100		
120	49.7	41.4	62.2
91	61.0	60.2	90.2
77	22.4	22.0	33.0





#75

1,3-Dichlorobenzene

Concen: 0.522 ppbv

RT: 11.610 min Scan# 3563

Delta R.T. -0.010 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

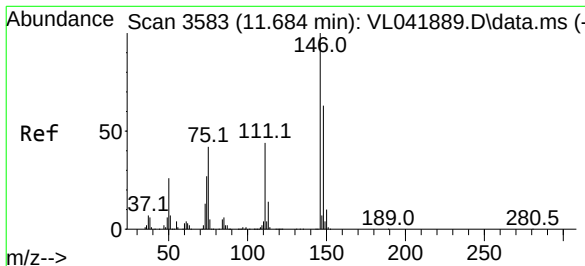
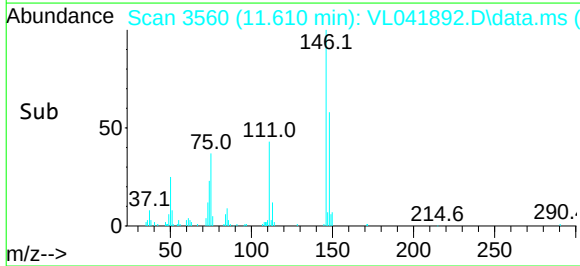
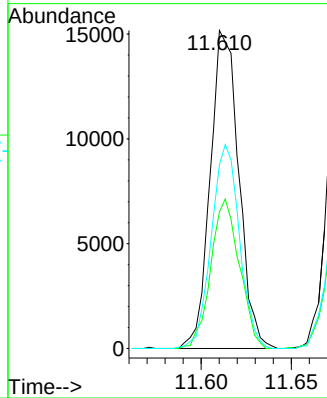
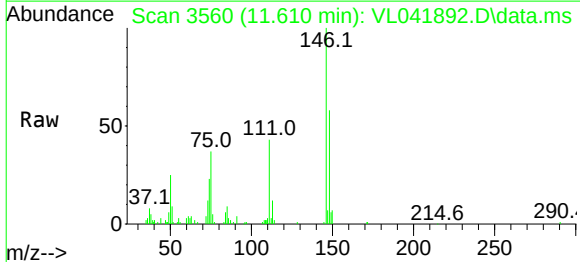
VSTDIC0.5

Tgt Ion:	146	Resp:	16708
Ion Ratio	Lower	Upper	
146	100		
111	47.2	23.6	70.8
148	63.2	31.4	94.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#76

1,4-Dichlorobenzene

Concen: 0.503 ppbv

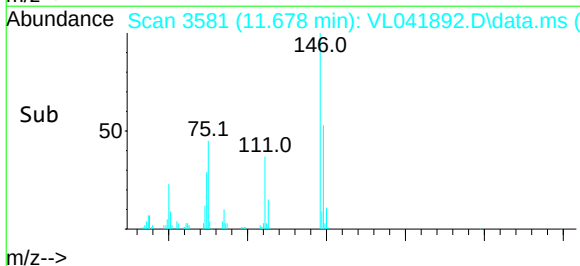
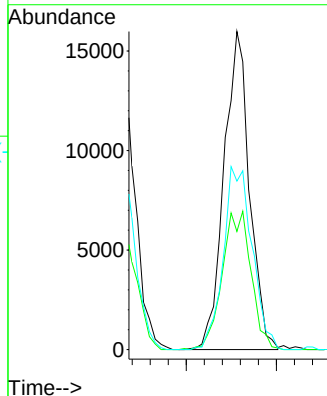
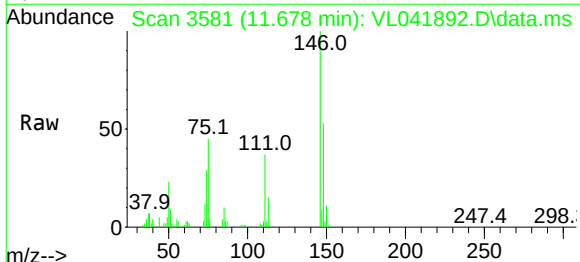
RT: 11.678 min Scan# 3581

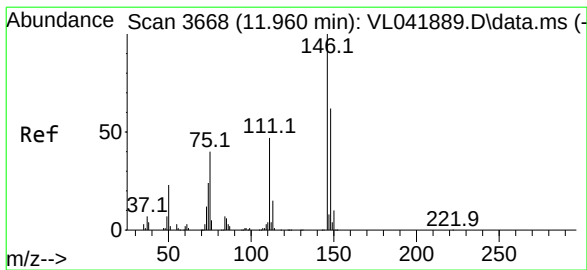
Delta R.T. -0.006 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Tgt Ion:	146	Resp:	15738
Ion Ratio	Lower	Upper	
146	100		
111	48.9	22.4	67.0
148	64.9	31.9	95.5





#77

1,2-Dichlorobenzene

Concen: 0.516 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. -0.006 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

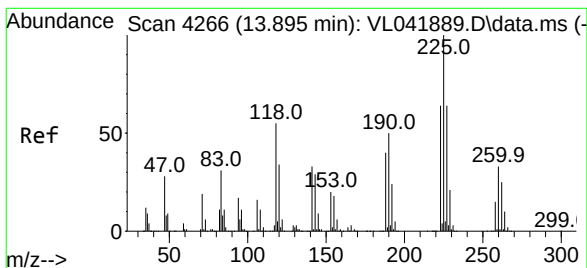
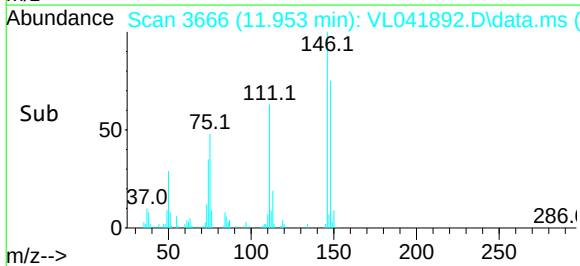
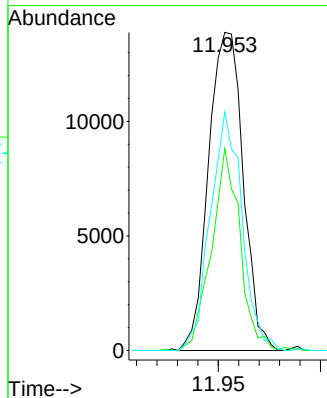
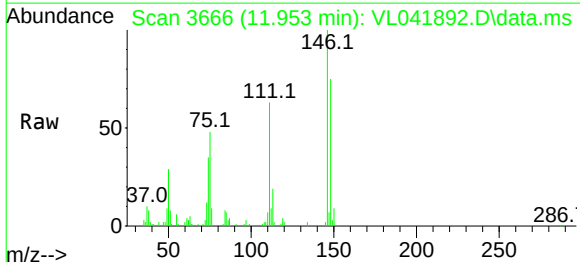
VSTDICC0.5

Tgt Ion:	146	Resp:	16364
Ion Ratio	Lower	Upper	
146	100		
111	52.4	24.2	72.6
148	69.0	31.7	95.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.544 ppbv

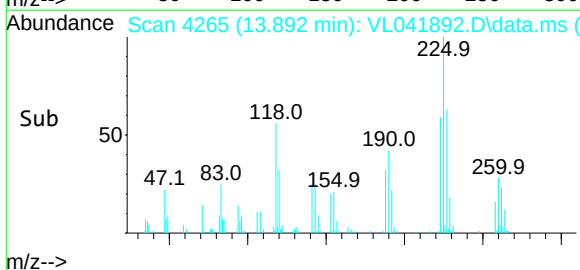
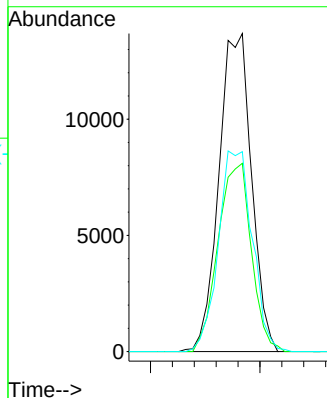
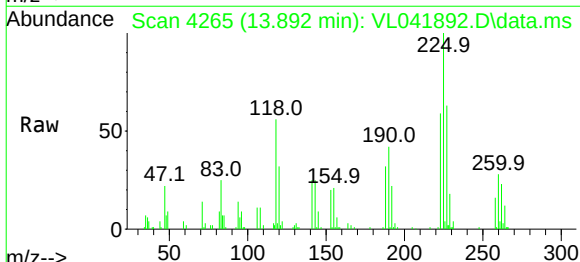
RT: 13.892 min Scan# 4265

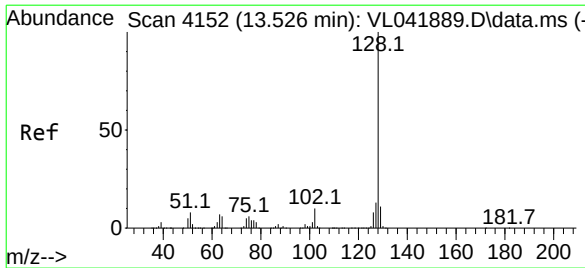
Delta R.T. -0.003 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Tgt Ion:	225	Resp:	14162
Ion Ratio	Lower	Upper	
225	100		
223	60.4	50.8	76.2
227	65.6	50.3	75.5





#79

Naphthalene

Concen: 0.516 ppbv

RT: 13.520 min Scan# 4152

Delta R.T. -0.006 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

Instrument :

MSVOA_L

ClientSampleId :

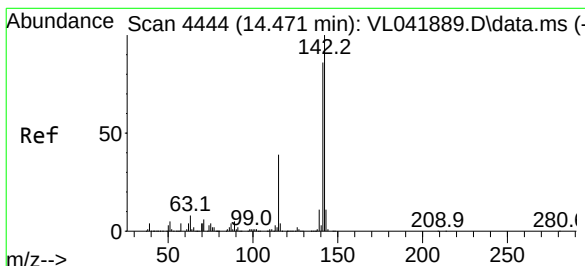
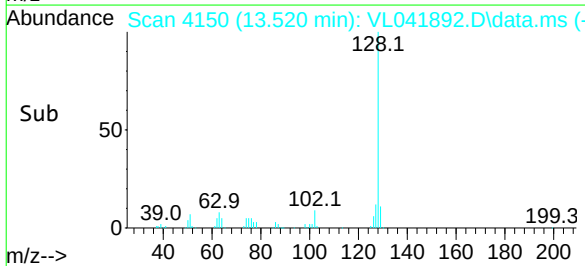
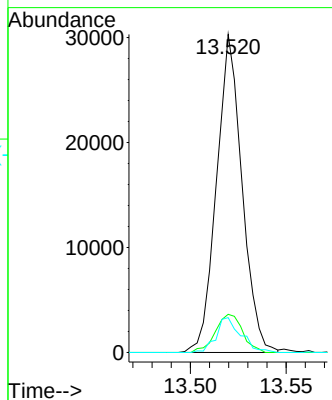
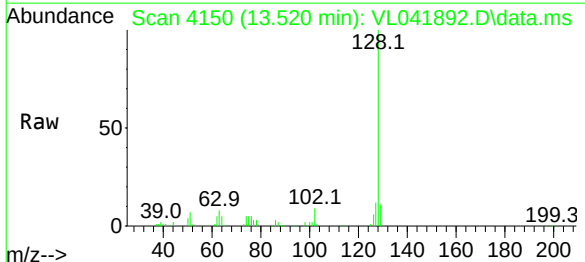
VSTDICC0.5

Tgt Ion:	128	Resp:	28052
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.2	15.4
129	11.0	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#80

Naphthalene, 2-methyl-

Concen: 0.422 ppbv

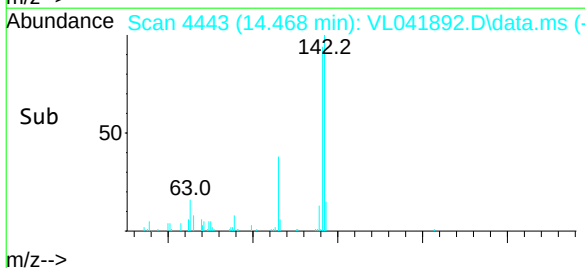
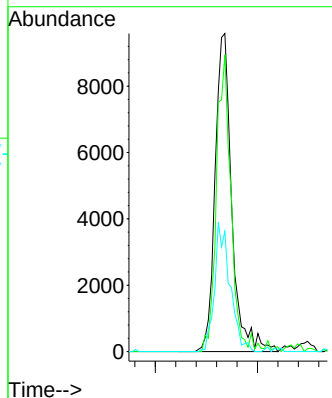
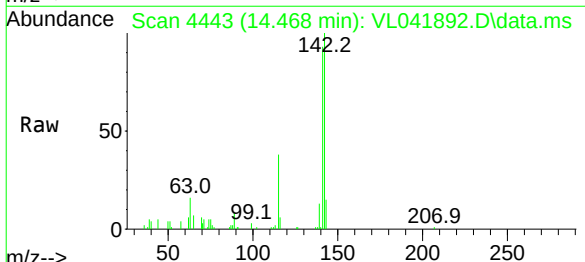
RT: 14.468 min Scan# 4443

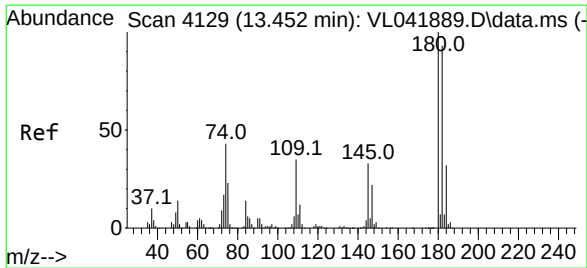
Delta R.T. -0.003 min

Lab File: VL041892.D

Acq: 14 Jan 2025 14:30

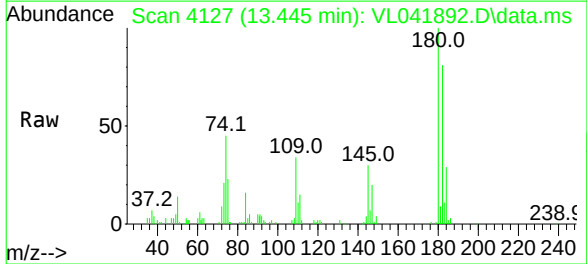
Tgt Ion:	142	Resp:	10859
Ion Ratio	Lower	Upper	
142	100		
141	81.1	68.1	102.1
115	38.6	31.7	47.5





#81
1,2,4-Trichlorobenzene
Concen: 0.533 ppbv
RT: 13.445 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL041892.D
Acq: 14 Jan 2025 14:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt	Ion	Ratio	Lower	Upper
180	180	100		
182	90.4	77.0	115.6	
184	31.7	24.9	37.3	

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

