

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041890.D
 Acq On : 14 Jan 2025 13:28
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Jan 14 21:20:29 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	2.797	49	150761	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	452131	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	394865	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 313784 10.089 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.900%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.502	85	40991	1.996	ppbv	98
3) Chlorodifluoromethane	1.479	51	44207	2.055	ppbv	99
4) Chloromethane	1.538	50	15833	2.050	ppbv	93
5) Vinyl Chloride	1.583	62	15137	1.935	ppbv	99
6) Bromomethane	1.673	94	7486	2.008	ppbv	91
7) Chloroethane	1.709	64	6303	2.071	ppbv #	84
8) Dichlorotetrafluoroethane	1.557	85	36941	2.058	ppbv	99
9) Propene	1.486	41	18248	2.059	ppbv	95
10) Heptane	5.001	43	49302	2.081	ppbv	97
11) Trichlorofluoromethane	1.884	101	43266	2.025	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.146	101	35162	2.100	ppbv	97
13) Ethanol	1.725	45	1534	2.363	ppbv	84
14) Bromoethene	1.787	108	12163	1.984	ppbv #	95
15) Acetone	1.842	43	37867	2.091	ppbv	99
16) 1,3-Butadiene	1.612	39	16446	2.024	ppbv	100
17) tert-Butyl alcohol	2.049	59	45305	2.033	ppbv	99
18) 1,1-Dichloroethene	2.039	96	15508	2.055	ppbv	97
19) Isopropyl Alcohol	1.894	45	21530	2.005	ppbv	94
20) Methylene Chloride	2.068	84	14399	2.012	ppbv	95
21) Allyl Chloride	2.104	41	25533	2.036	ppbv	97
22) trans-1,2-Dichloroethene	2.350	96	17951	2.108	ppbv	83
23) Vinyl Acetate	2.470	43	16358	2.075	ppbv	99
24) 1,1-Dichloroethane	2.418	63	33175	2.014	ppbv	99
25) Ethyl Acetate	2.848	43	102475	2.099	ppbv	99
26) Hexane	2.835	57	41844	2.167	ppbv	99
27) Carbon Disulfide	2.156	76	39306	2.057	ppbv #	70
28) Methyl tert-Butyl Ether	2.454	73	30355	2.056	ppbv	96
29) Chloroform	2.858	83	63457	2.079	ppbv	94
30) Cyclohexane	3.874	84	34518	2.061	ppbv	97
31) cis-1,2-Dichloroethene	2.729	61	41921	2.062	ppbv	89
32) 1,1,1-Trichloroethane	3.382	97	58965	2.019	ppbv	98
34) 2-Butanone	2.570	43	61381	2.135	ppbv	99
35) Carbon Tetrachloride	3.777	117	59430	2.089	ppbv	95
36) Benzene	3.670	78	85859	2.070	ppbv	96
37) 1,2-Dichloroethane	3.230	62	46786	2.009	ppbv	100
38) Trichloroethene	4.564	130	33773	2.052	ppbv	98
39) 1,2-Dichloropropane	4.334	63	29723	2.043	ppbv	96
40) 1,4-Dioxane	4.619	88	14566m	1.984	ppbv	
41) Tetrahydrofuran	3.072	42	32358	2.064	ppbv	96
42) Bromodichloromethane	4.509	83	63611	2.037	ppbv	99
43) Methyl Methacrylate	4.900	69	31519	2.046	ppbv	99
44) 2,2,4-Trimethylpentane	4.658	57	141602	2.111	ppbv	100
45) t-1,3-Dichloropropene	6.435	75	28818	1.999	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
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 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Jan 14 21:20:29 2025

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

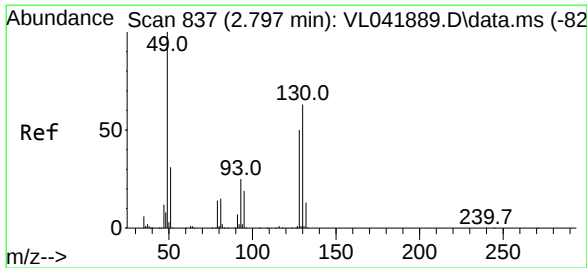
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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	5.625	75	39668	2.095	ppbv	94
47) 1,1,2-Trichloroethane	6.600	97	31694m	2.055	ppbv	
48) Dibromochloromethane	7.406	129	48894	2.055	ppbv	99
49) Bromoform	9.496	173	39710	2.032	ppbv	99
50) 4-Methyl-2-Pentanone	5.784	43	81330	2.076	ppbv	98
51) 2-Hexanone	7.457	43	66831	2.216	ppbv #	98
52) Tetrachloroethene	8.241	164	29814	2.074	ppbv	94
53) Toluene	6.952	91	94741	2.097	ppbv	98
54) 1,2-Dibromoethane	7.671	107	44636	2.106	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.940	131	40249	2.043	ppbv	93
57) Chlorobenzene	8.933	112	77180	2.119	ppbv	94
58) Ethyl Benzene	9.367	91	130554	2.116	ppbv	98
59) m/p-Xylene	9.561	91	214076m	4.322	ppbv	
60) o-Xylene	9.975	91	106458	2.168	ppbv	99
61) Styrene	9.885	104	45490	2.065	ppbv	99
62) Isopropylbenzene	10.552	105	163135	2.147	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.975	83	67775	2.193	ppbv	99
64) n-propylbenzene	11.001	120	41184	2.145	ppbv	99
65) tert-Butylbenzene	11.542	119	151534	2.189	ppbv	97
66) Benzyl Chloride	11.626	91	8925	2.083	ppbv	97
67) sec-Butylbenzene	11.778	105	211759	2.221	ppbv	99
69) p-Isopropyltoluene	11.937	119	178172	2.270	ppbv	100
70) n-Butylbenzene	12.293	91	174217	2.238	ppbv	99
71) 2-Chlorotoluene	10.914	91	121418	2.161	ppbv	100
72) 4-Ethyltoluene	11.137	105	127115	2.164	ppbv	100
73) 1,3,5-Trimethylbenzene	11.215	105	114342	2.205	ppbv	99
74) 1,2,4-Trimethylbenzene	11.548	105	126939	2.260	ppbv #	89
75) 1,3-Dichlorobenzene	11.616	146	71332	2.143	ppbv	98
76) 1,4-Dichlorobenzene	11.684	146	70219	2.156	ppbv	99
77) 1,2-Dichlorobenzene	11.960	146	71818	2.177	ppbv	100
78) Hexachloro-1,3-Butadiene	13.892	225	60984	2.253	ppbv	99
79) Naphthalene	13.526	128	153268	2.710	ppbv	98
80) Naphthalene,2-methyl-	14.471	142	90910	3.391	ppbv	99
81) 1,2,4-Trichlorobenzene	13.452	180	64653	2.342	ppbv	98

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



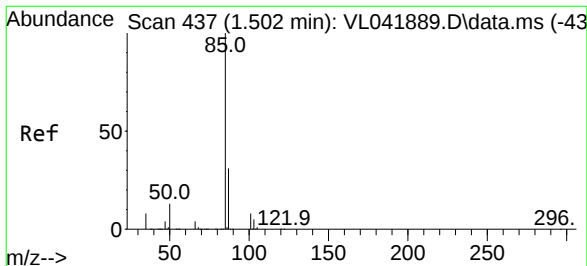
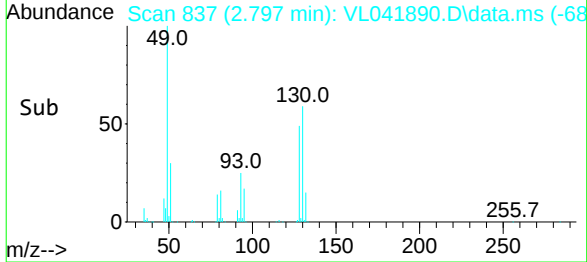
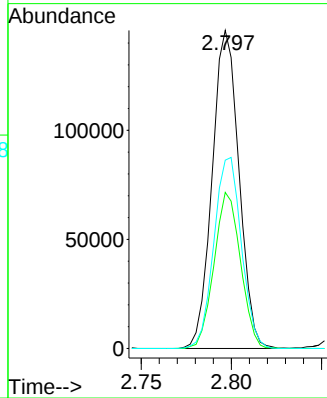
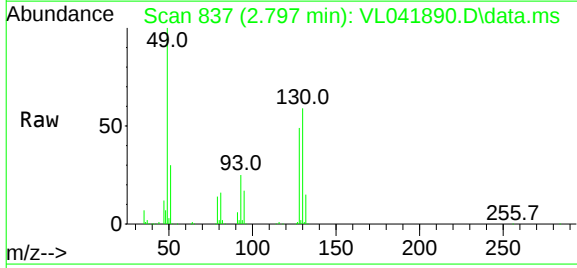
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 837
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 49 Resp: 150761
Ion Ratio Lower Upper
49 100
128 48.4 24.3 73.0
130 61.6 31.1 93.2

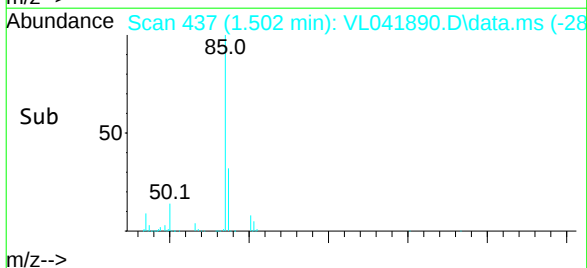
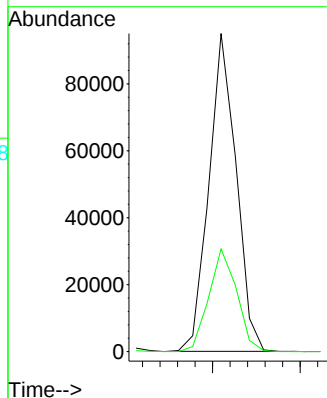
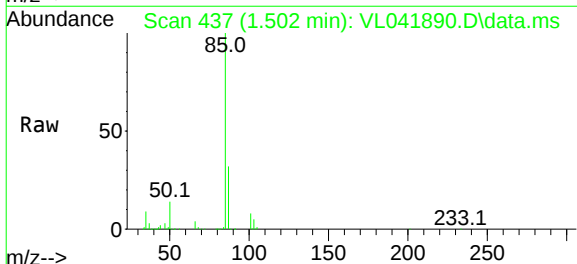
Manual Integrations
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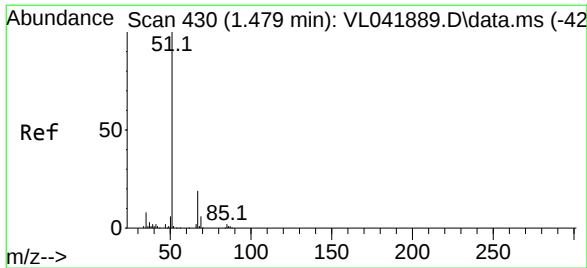
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#2
Dichlorodifluoromethane
Concen: 1.996 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

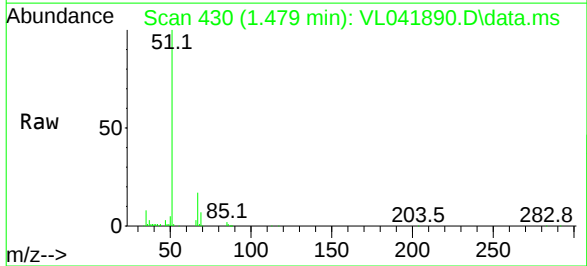
Tgt Ion: 85 Resp: 40991
Ion Ratio Lower Upper
85 100
87 32.3 24.9 37.3





#3
Chlorodifluoromethane
Concen: 2.055 ppbv
RT: 1.479 min Scan# 430
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

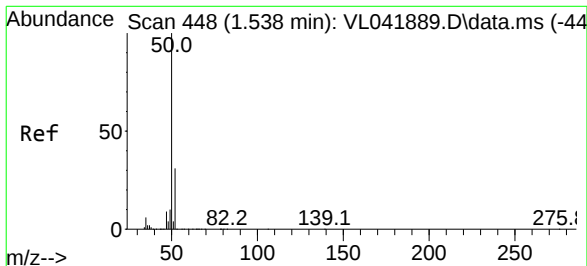
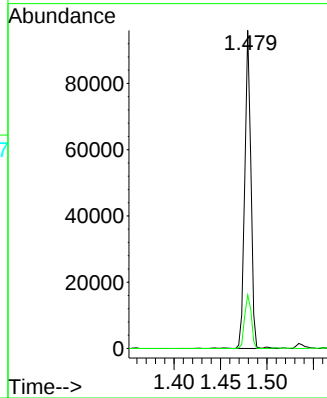
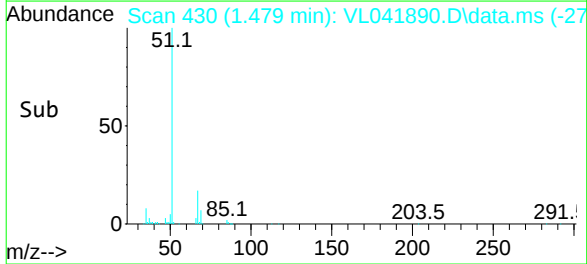
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



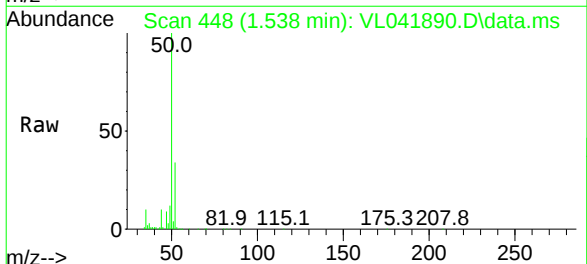
Tgt Ion: 51 Resp: 44207
Ion Ratio Lower Upper
51 100
67 18.3 15.0 22.4

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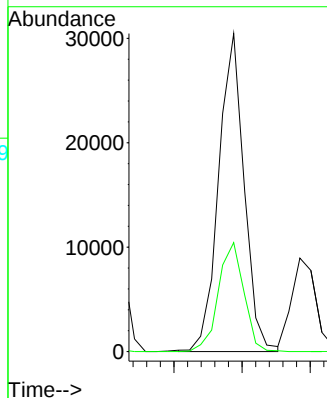
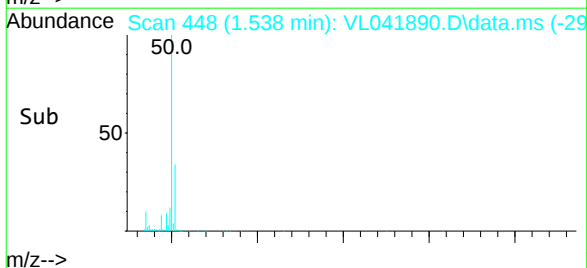
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

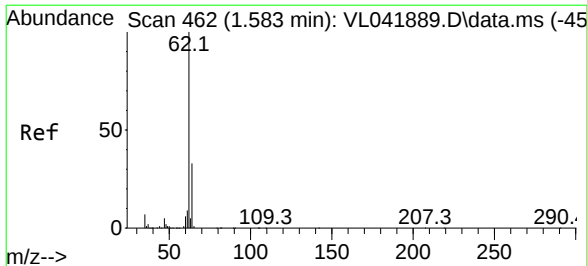


#4
Chloromethane
Concen: 2.050 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28



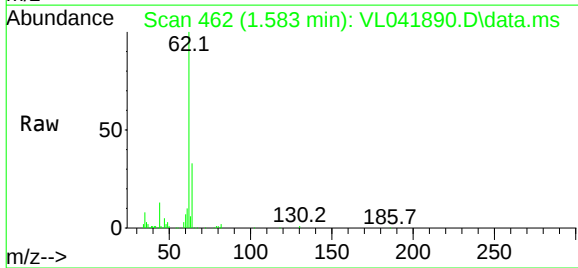
Tgt Ion: 50 Resp: 15833
Ion Ratio Lower Upper
50 100
52 34.4 24.6 36.8





#5
 Vinyl Chloride
 Concen: 1.935 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL041890.D
 Acq: 14 Jan 2025 13:28

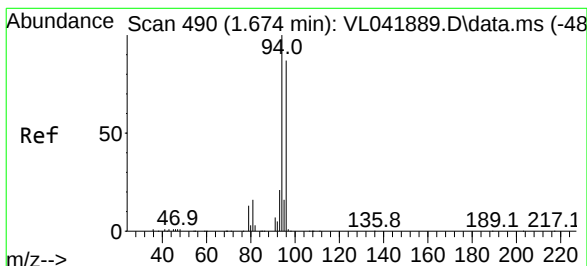
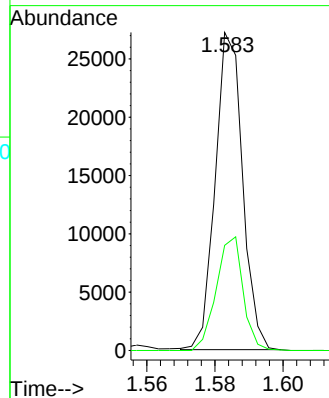
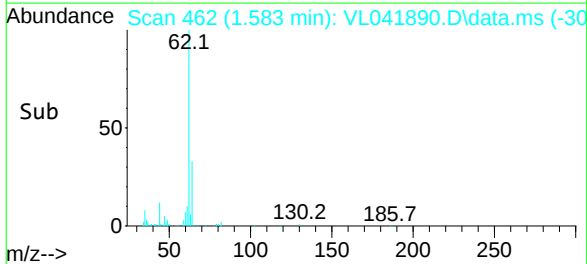
Instrument : MSVOA_1
 ClientSampleId : VSTDICC002



Tgt Ion: 62 Resp: 15137
 Ion Ratio Lower Upper
 62 100
 64 33.1 26.1 39.1

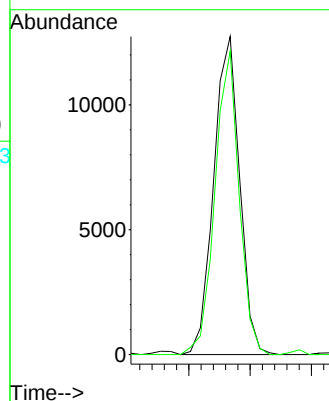
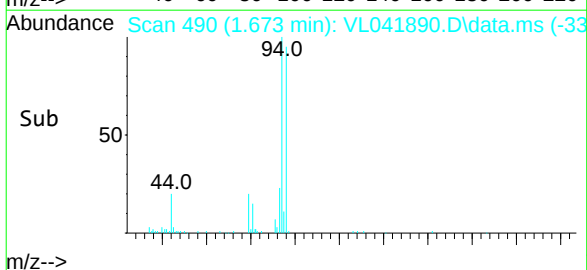
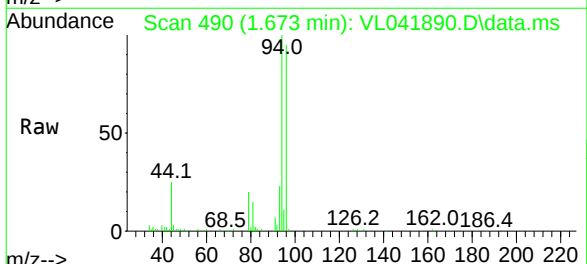
Manual Integrations
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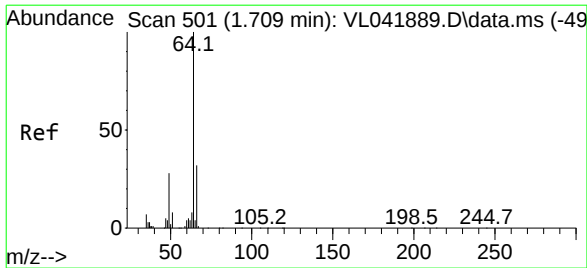
Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025



#6
 Bromomethane
 Concen: 2.008 ppbv
 RT: 1.673 min Scan# 490
 Delta R.T. -0.000 min
 Lab File: VL041890.D
 Acq: 14 Jan 2025 13:28

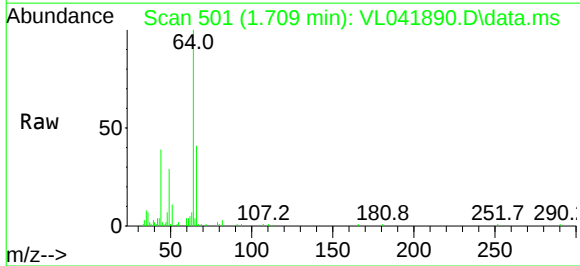
Tgt Ion: 94 Resp: 7486
 Ion Ratio Lower Upper
 94 100
 96 95.4 69.5 104.3





#7
Chloroethane
Concen: 2.071 ppbv
RT: 1.709 min Scan# 501
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

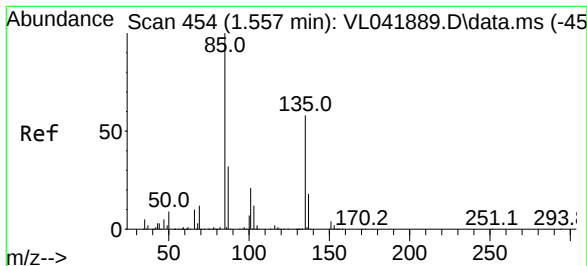
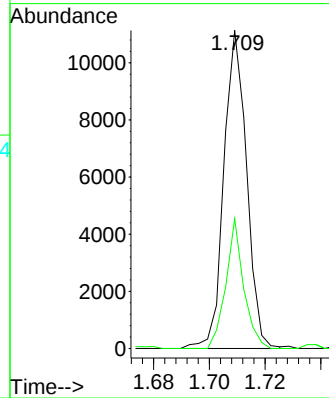
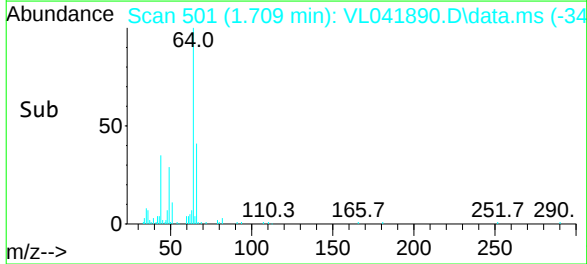
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



Tgt Ion: 64 Resp: 6303
Ion Ratio Lower Upper
64 100
66 40.8 25.7 38.5#

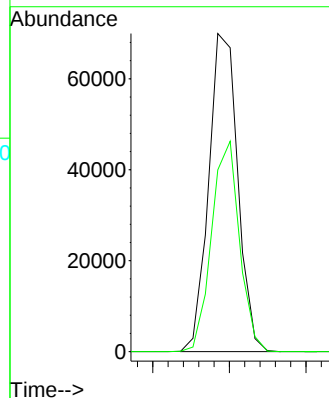
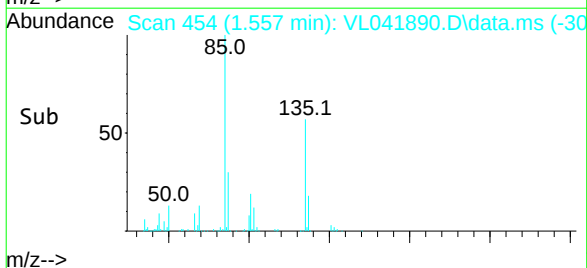
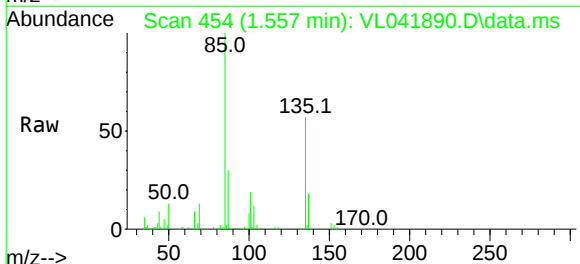
Manual Integrations
APPROVED

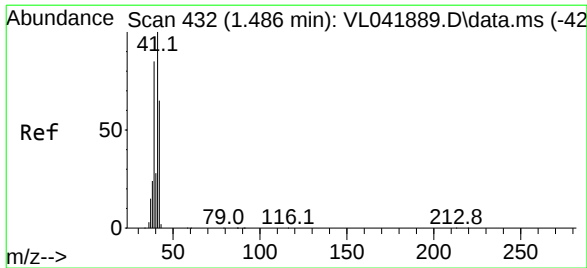
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#8
Dichlorotetrafluoroethane
Concen: 2.058 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion: 85 Resp: 36941
Ion Ratio Lower Upper
85 100
135 63.5 50.0 75.0





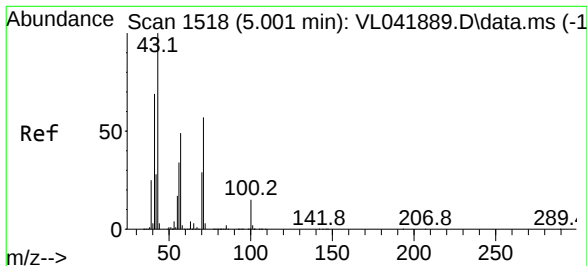
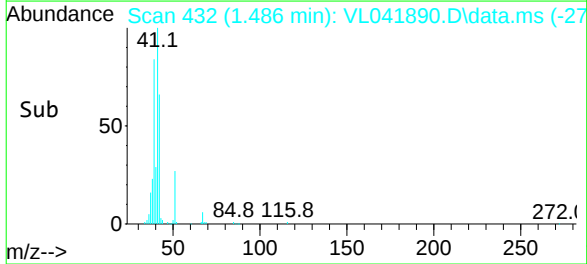
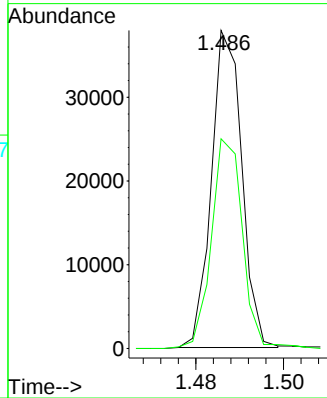
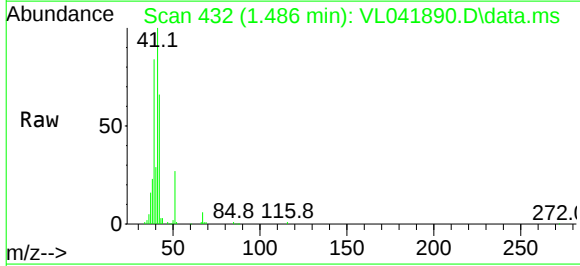
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Propene
Concen: 2.059 ppbv
RT: 1.486 min Scan# 432
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 41 Resp: 18248
Ion Ratio Lower Upper
41 100
42 69.1 52.0 78.0

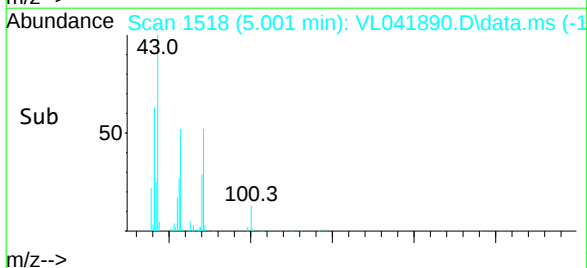
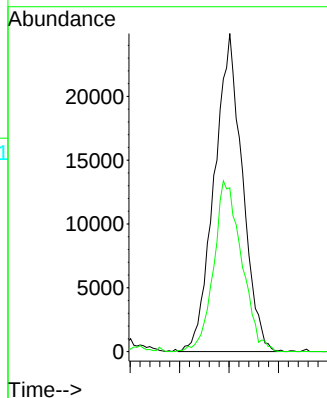
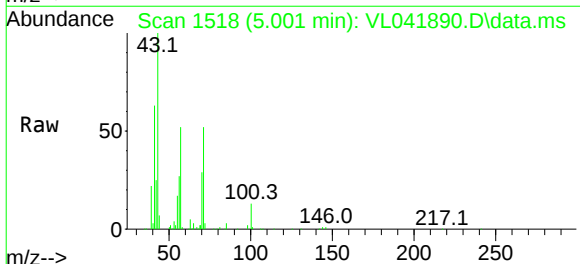
Manual Integrations
APPROVED

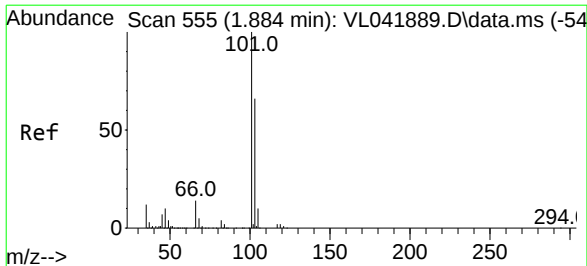
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#10
Heptane
Concen: 2.081 ppbv
RT: 5.001 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion: 43 Resp: 49302
Ion Ratio Lower Upper
43 100
57 53.2 41.0 61.4





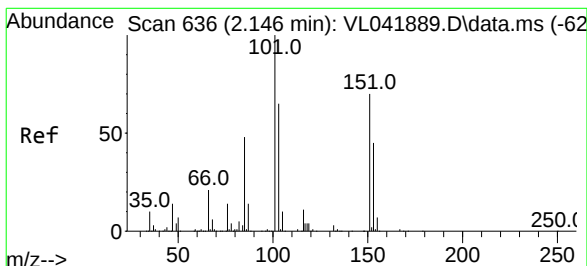
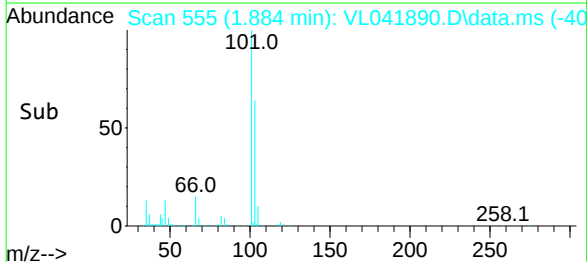
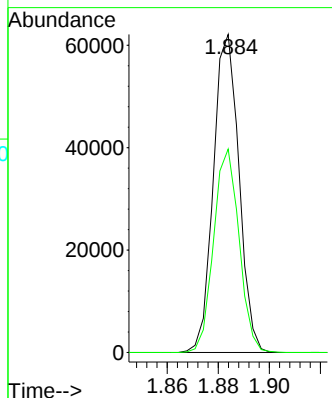
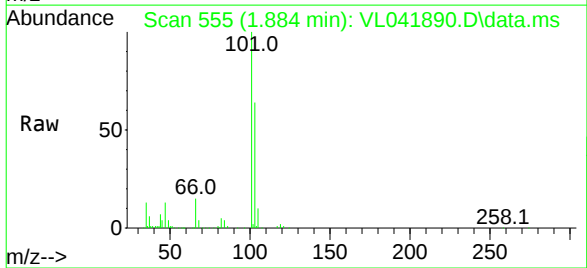
#11
Trichlorofluoromethane
Concen: 2.025 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:101 Resp: 43266
Ion Ratio Lower Upper
101 100
103 64.0 53.1 79.7

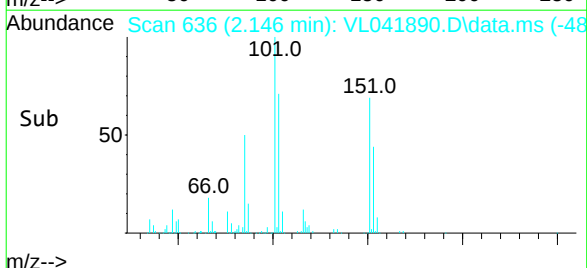
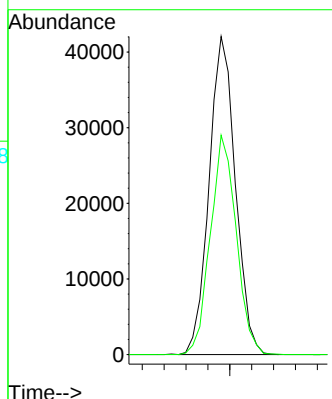
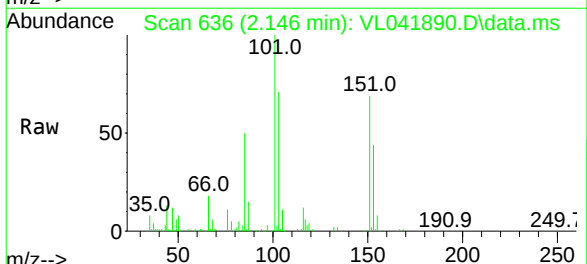
Manual Integrations
APPROVED

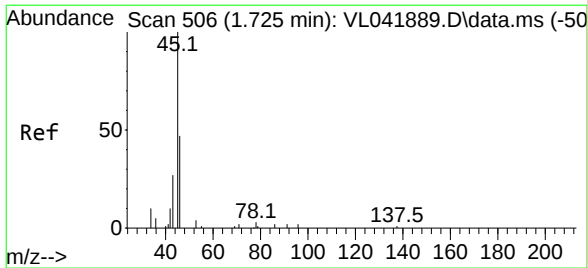
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.100 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion:101 Resp: 35162
Ion Ratio Lower Upper
101 100
151 67.9 56.1 84.1





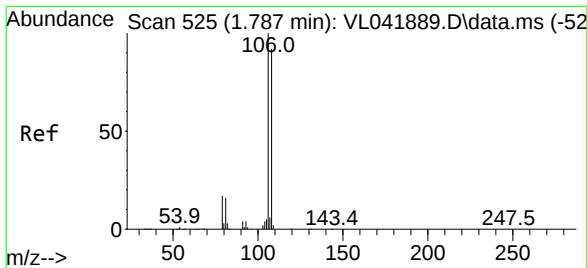
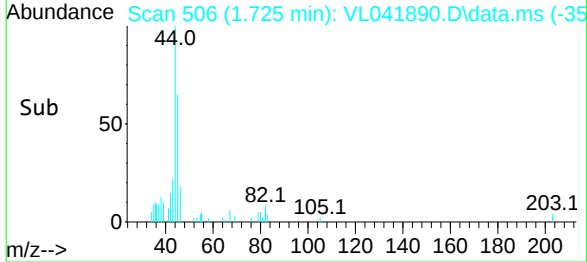
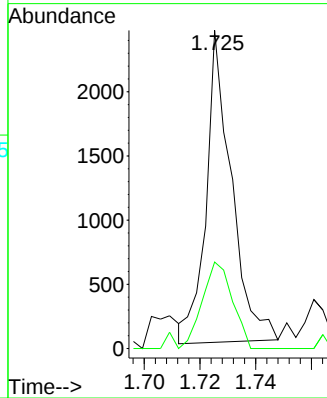
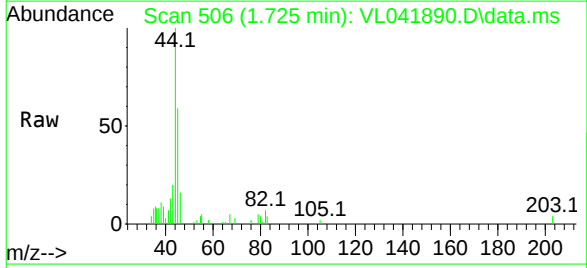
#13
Ethanol
Concen: 2.363 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 1534
Ion Ratio Lower Upper
45 100
46 34.6 18.1 72.5

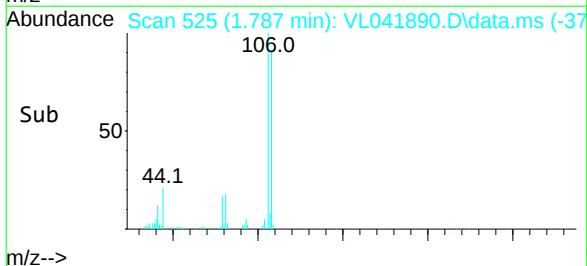
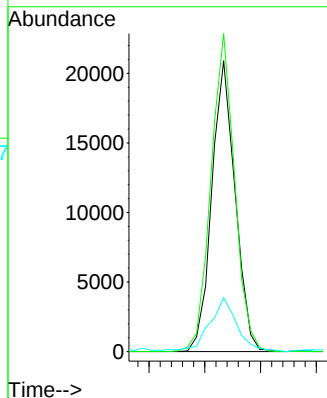
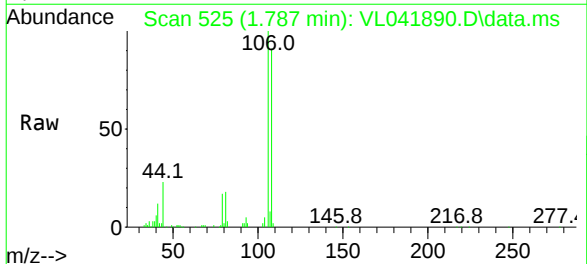
Manual Integrations
APPROVED

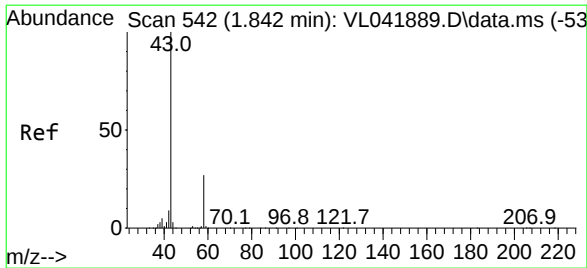
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#14
Bromoethene
Concen: 1.984 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

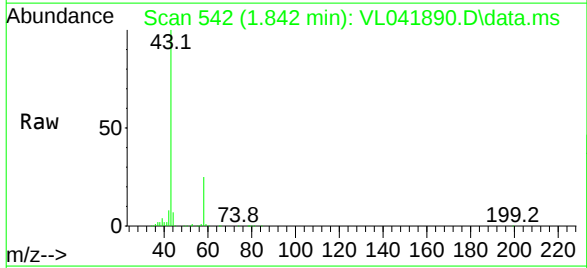
Tgt Ion:108 Resp: 12163
Ion Ratio Lower Upper
108 100
106 111.2 85.5 128.3
79 23.9 15.3 22.9#





#15
Acetone
Concen: 2.091 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

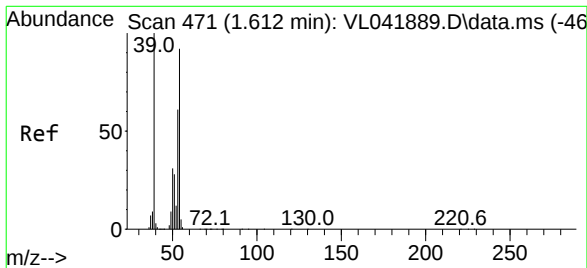
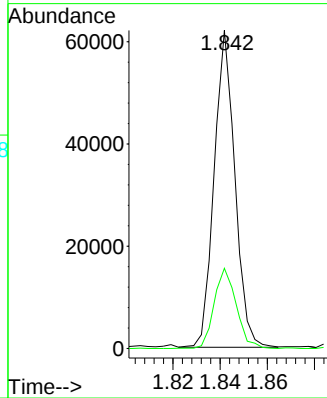
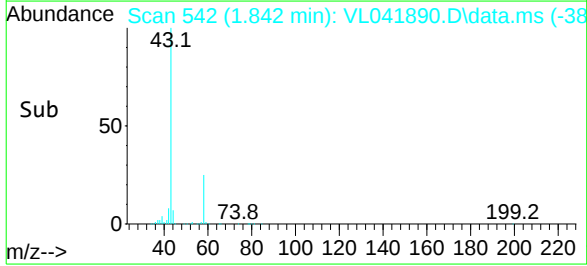
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 43 Resp: 37867
Ion Ratio Lower Upper
43 100
58 27.0 21.9 32.9

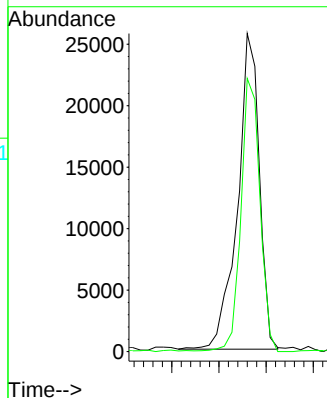
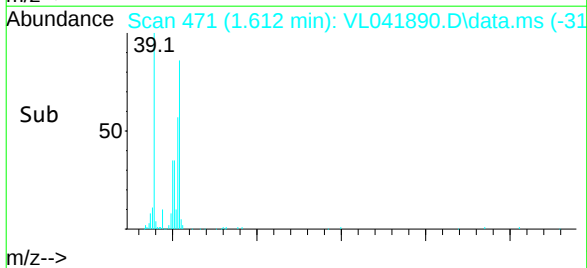
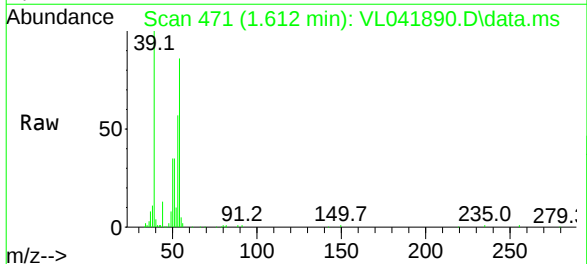
Manual Integrations
APPROVED

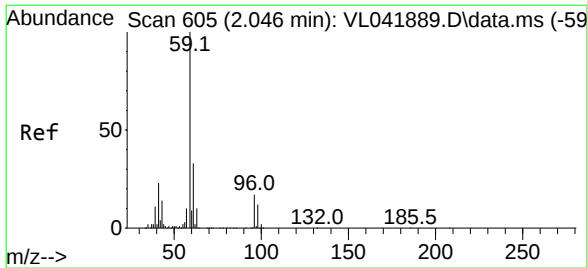
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#16
1,3-Butadiene
Concen: 2.024 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion: 39 Resp: 16446
Ion Ratio Lower Upper
39 100
54 76.9 61.6 92.4





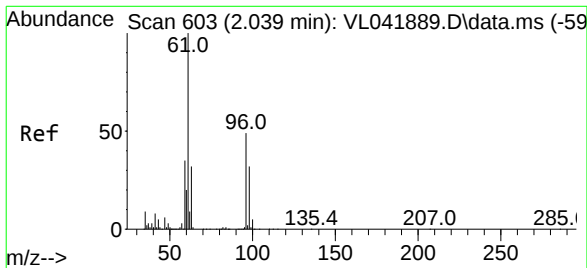
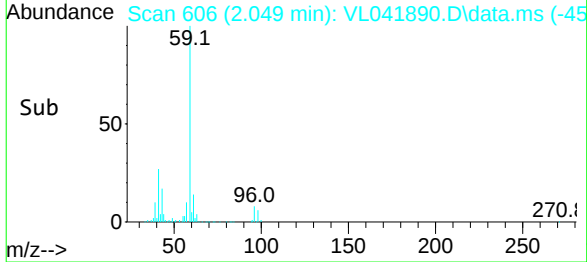
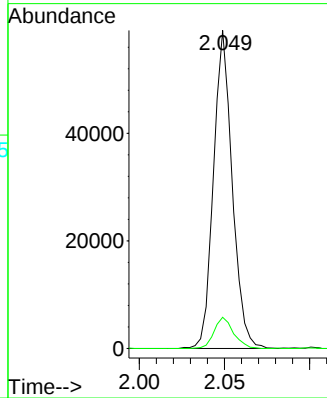
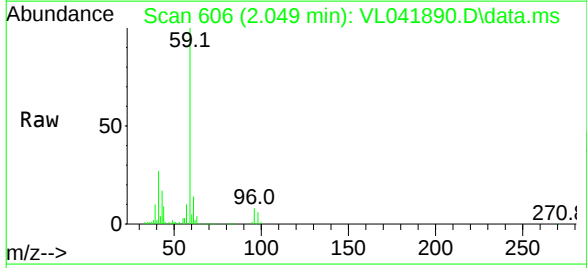
#17
tert-Butyl alcohol
Concen: 2.033 ppbv
RT: 2.049 min Scan# 605
Delta R.T. 0.003 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 59 Resp: 45305
Ion Ratio Lower Upper
59 100
57 10.2 7.8 11.8

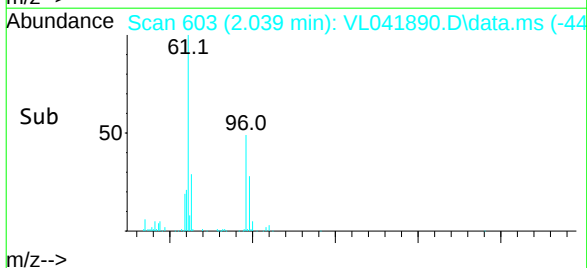
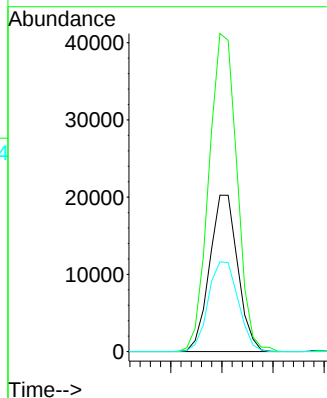
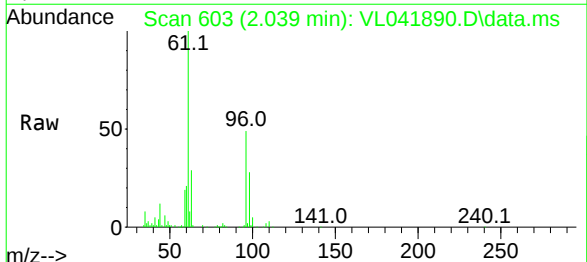
Manual Integrations
APPROVED

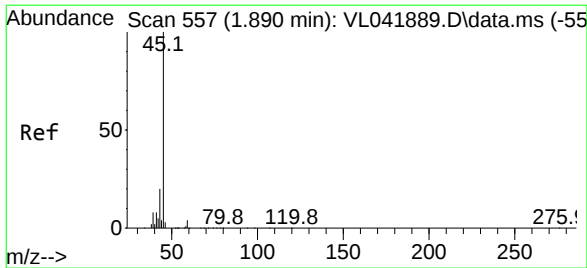
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#18
1,1-Dichloroethene
Concen: 2.055 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion: 96 Resp: 15508
Ion Ratio Lower Upper
96 100
61 203.1 163.1 244.7
98 57.4 52.7 79.1





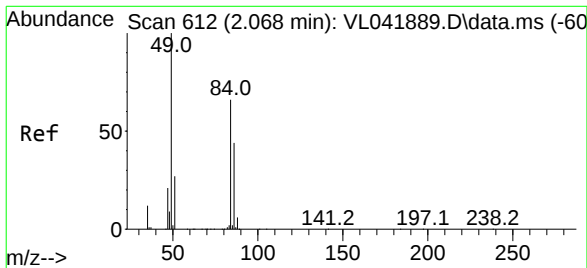
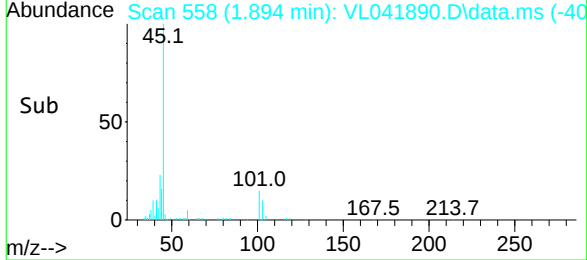
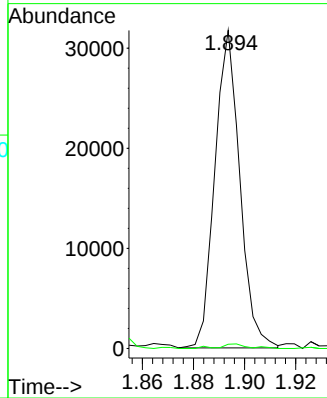
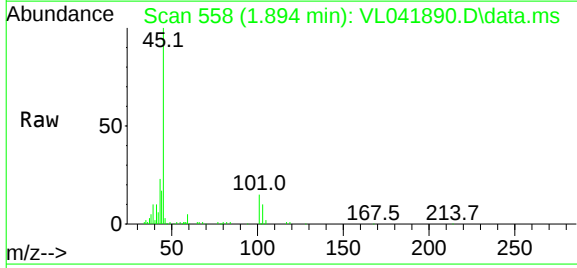
#19
Isopropyl Alcohol
Concen: 2.005 ppbv
RT: 1.894 min Scan# 557
Delta R.T. 0.003 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 45 Resp: 21530
Ion Ratio Lower Upper
45 100
58 47.6 35.0 52.6

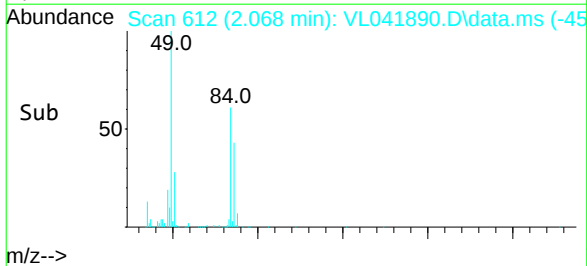
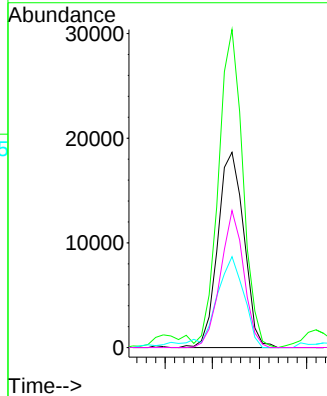
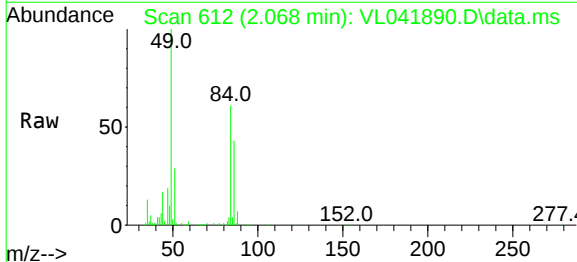
Manual Integrations
APPROVED

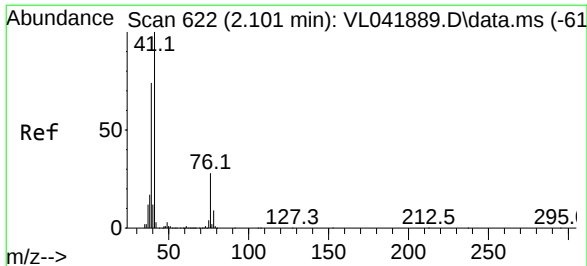
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#20
Methylene Chloride
Concen: 2.012 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion: 84 Resp: 14399
Ion Ratio Lower Upper
84 100
49 162.9 123.1 184.7
51 46.5 35.8 53.8
86 70.1 53.7 80.5





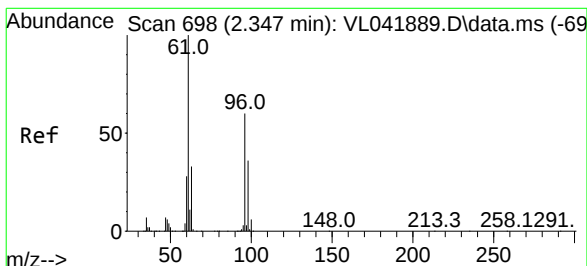
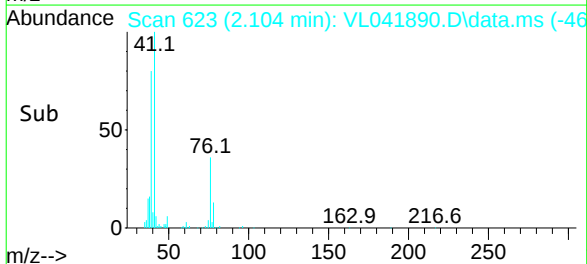
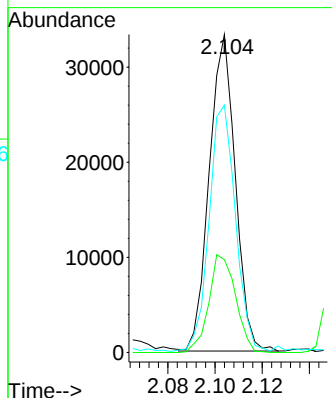
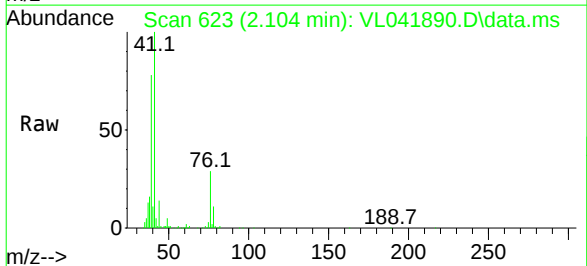
#21
 Allyl Chloride
 Concen: 2.036 ppbv
 RT: 2.104 min Scan# 621
 Delta R.T. 0.003 min
 Lab File: VL041890.D
 Acq: 14 Jan 2025 13:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:	41	Resp:	25533
Ion	Ratio	Lower	Upper
41	100		
76	31.7	24.2	36.4
39	78.2	60.6	91.0

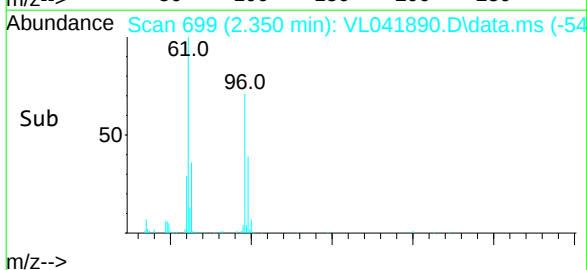
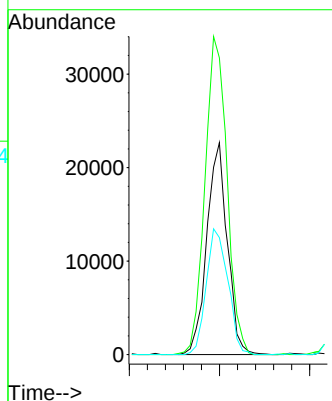
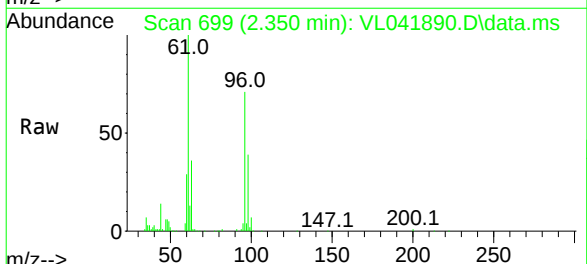
Manual Integrations
 APPROVED

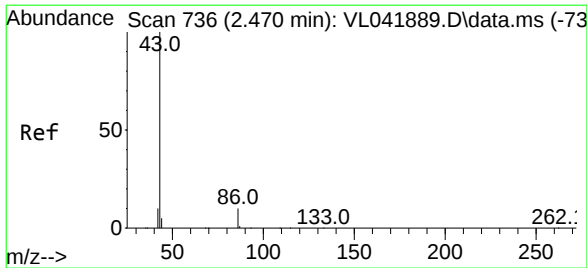
Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025



#22
 trans-1,2-Dichloroethene
 Concen: 2.108 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. 0.003 min
 Lab File: VL041890.D
 Acq: 14 Jan 2025 13:28

Tgt Ion:	96	Resp:	17951
Ion	Ratio	Lower	Upper
96	100		
61	140.0	134.5	201.7
98	55.2	48.9	73.3





#23
 Vinyl Acetate
 Concen: 2.075 ppbv
 RT: 2.470 min Scan# 736
 Delta R.T. -0.000 min
 Lab File: VL041890.D
 Acq: 14 Jan 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

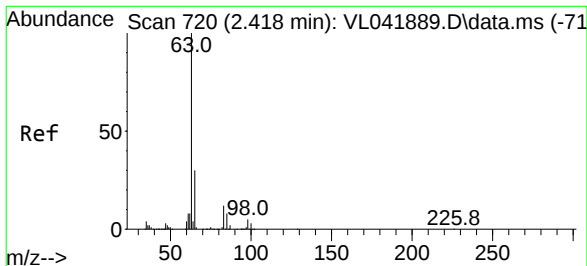
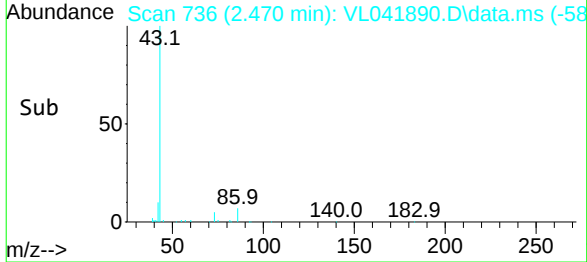
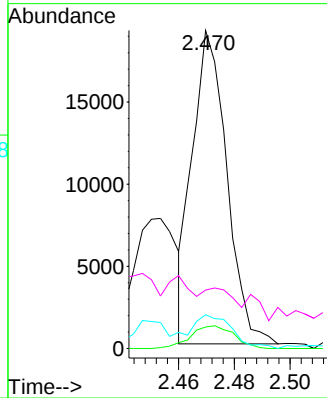
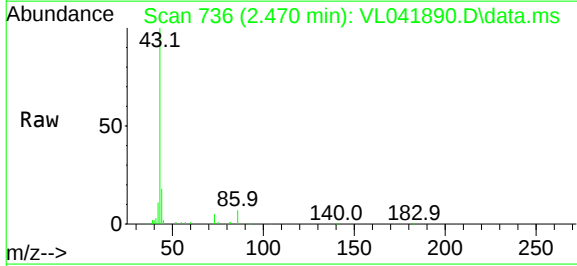
VSTDICC002

Tgt Ion:	43	Resp:	16358
Ion	Ratio	Lower	Upper
43	100		
86	6.9	6.2	9.4
42	10.8	8.5	12.7
44	5.5	4.8	7.2

Manual Integrations

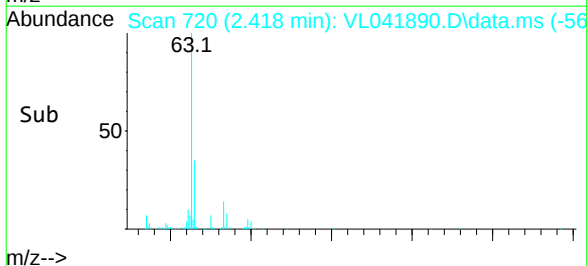
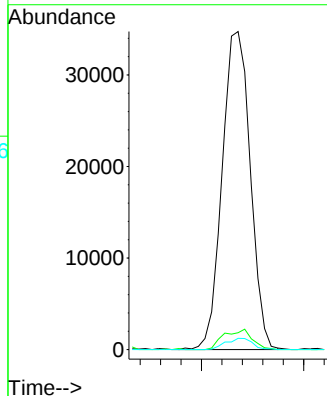
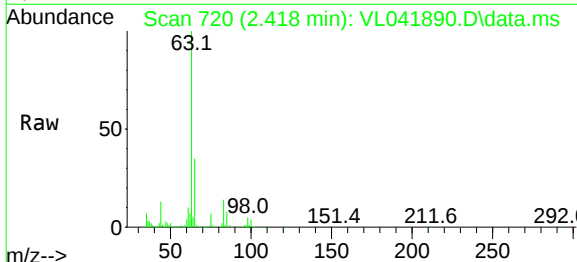
APPROVED

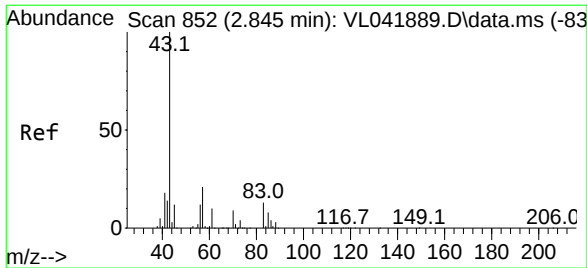
Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025



#24
 1,1-Dichloroethane
 Concen: 2.014 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. -0.000 min
 Lab File: VL041890.D
 Acq: 14 Jan 2025 13:28

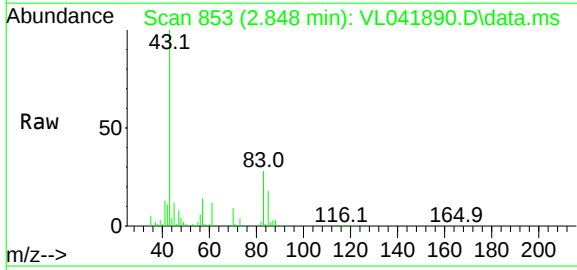
Tgt Ion:	63	Resp:	33175
Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.6	7.8
100	3.5	1.4	4.2





#25
Ethyl Acetate
Concen: 2.099 ppbv
RT: 2.848 min Scan# 852
Delta R.T. 0.003 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

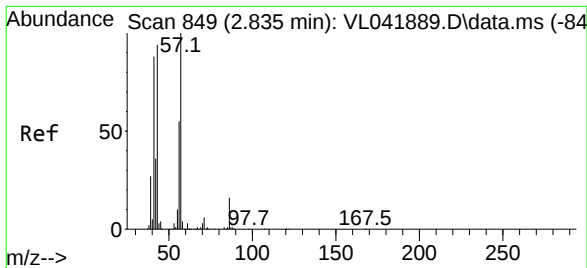
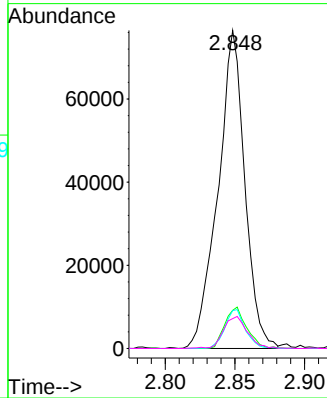
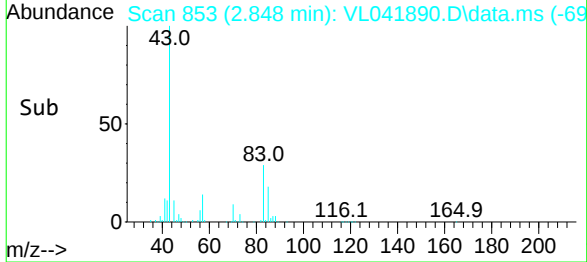
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



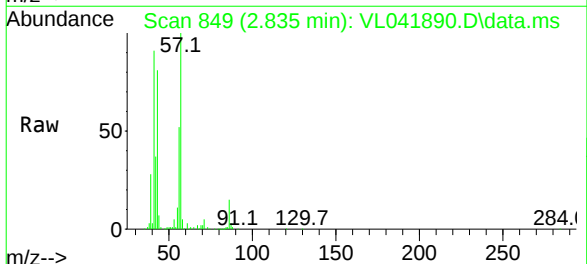
Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.2	12.2
61	9.4	7.4	11.0
70	9.1	7.0	10.4

Manual Integrations
APPROVED

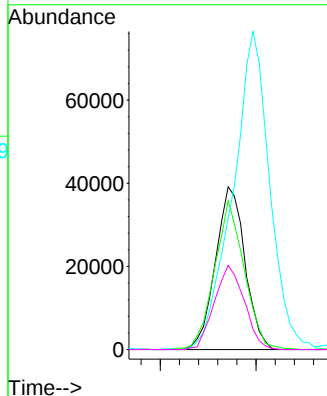
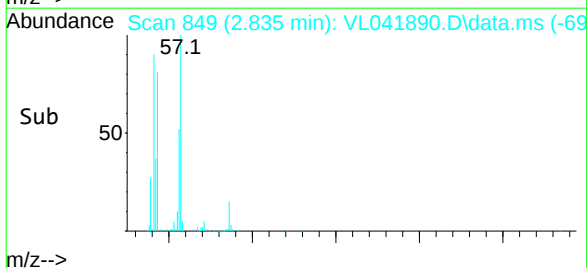
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

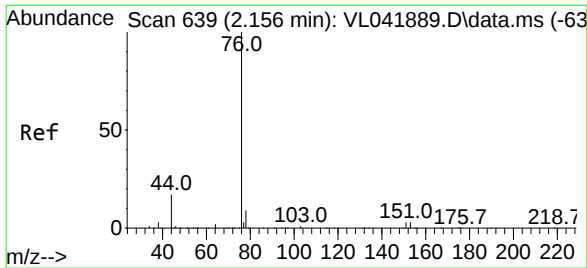


#26
Hexane
Concen: 2.167 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28



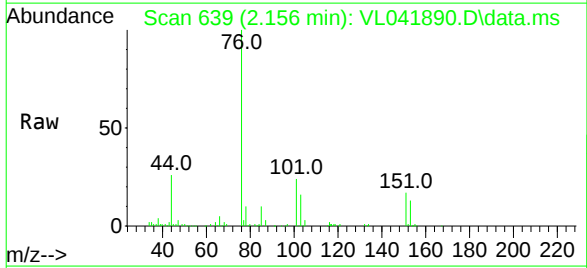
Tgt Ion	Ratio	Lower	Upper
57	100		
41	92.4	73.8	110.8
43	248.3	197.3	295.9
56	52.6	42.7	64.1





#27
Carbon Disulfide
Concen: 2.057 ppbv
RT: 2.156 min Scan# 639
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

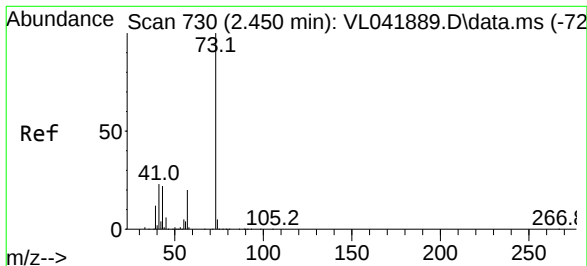
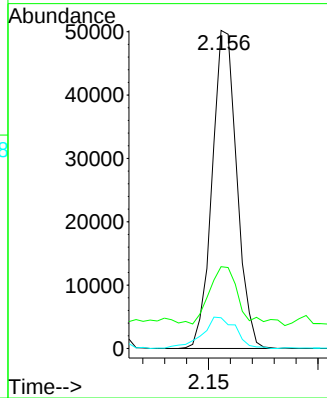
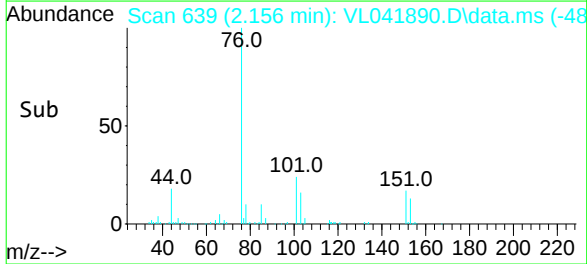
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



Tgt Ion: 76 Resp: 39306
Ion Ratio Lower Upper
76 100
44 39.2 15.4 23.0
78 13.6 9.3 13.9

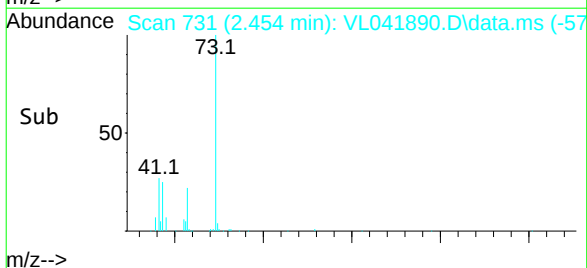
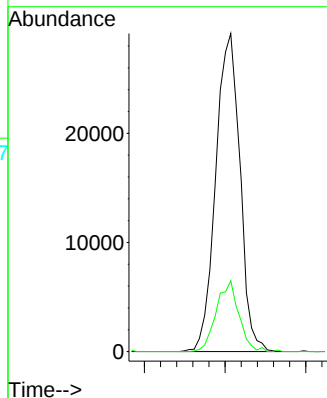
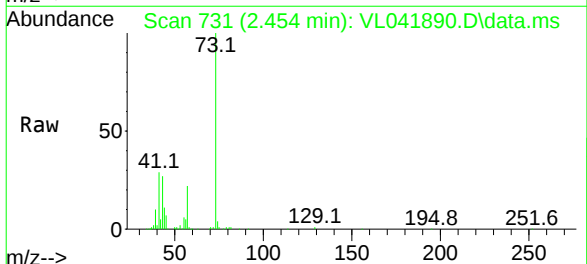
Manual Integrations
APPROVED

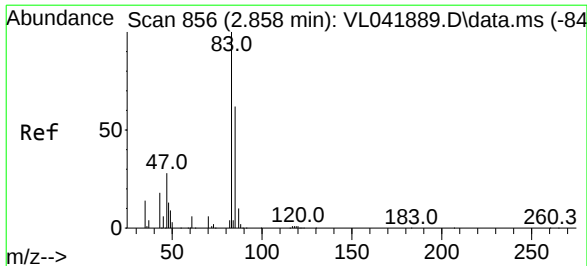
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#28
Methyl tert-Butyl Ether
Concen: 2.056 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion: 73 Resp: 30355
Ion Ratio Lower Upper
73 100
57 20.8 18.1 27.1





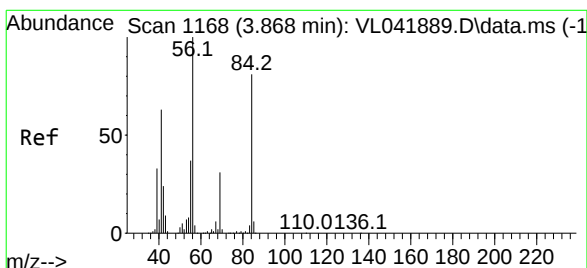
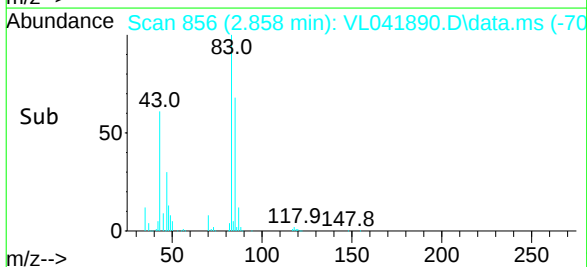
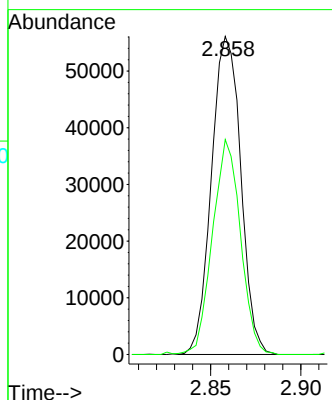
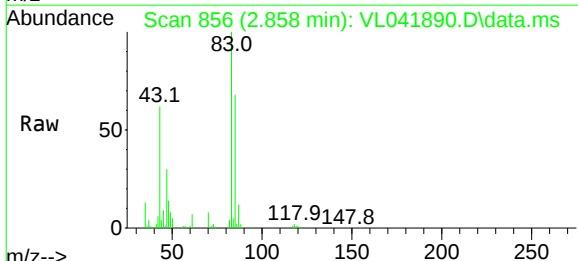
#29
Chloroform
Concen: 2.079 ppbv
RT: 2.858 min Scan# 85
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 63457
Ion Ratio Lower Upper
83 100
85 67.6 50.1 75.1

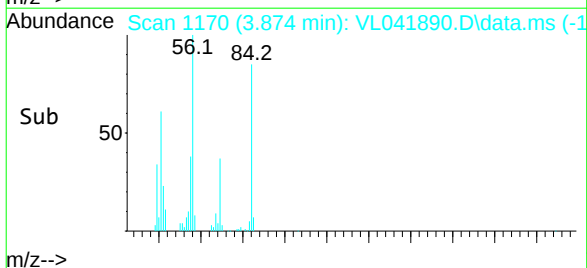
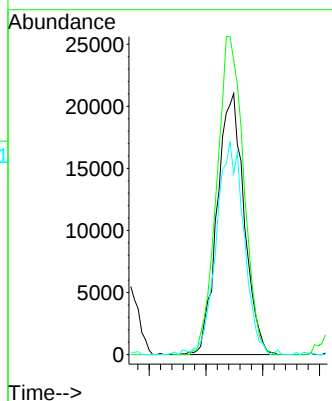
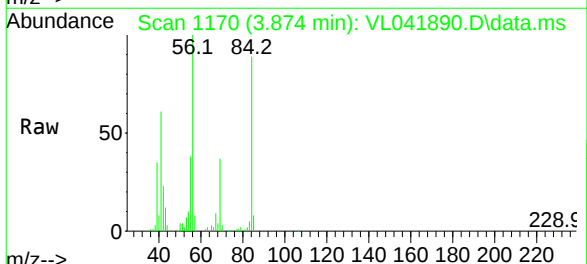
Manual Integrations
APPROVED

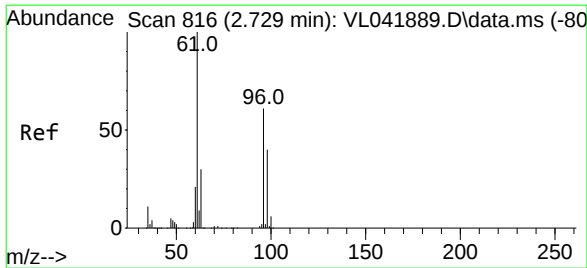
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#30
Cyclohexane
Concen: 2.061 ppbv
RT: 3.874 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

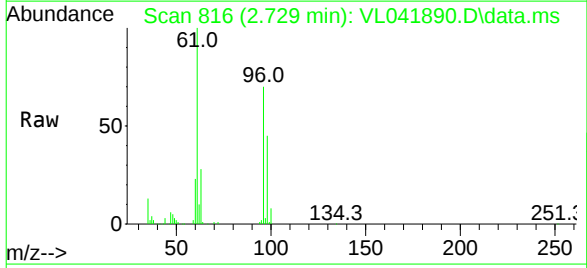
Tgt Ion: 84 Resp: 34518
Ion Ratio Lower Upper
84 100
56 121.8 99.3 148.9
41 83.9 64.3 96.5





#31
 cis-1,2-Dichloroethene
 Concen: 2.062 ppbv
 RT: 2.729 min Scan# 816
 Delta R.T. -0.000 min
 Lab File: VL041890.D
 Acq: 14 Jan 2025 13:28

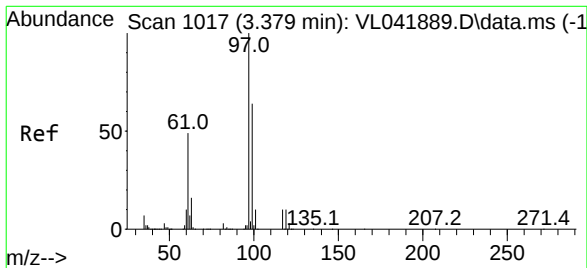
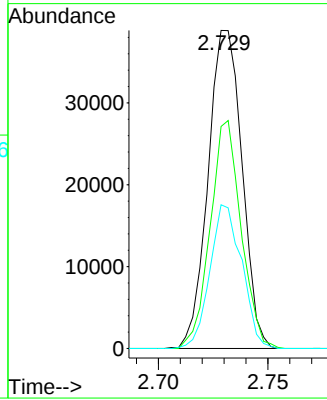
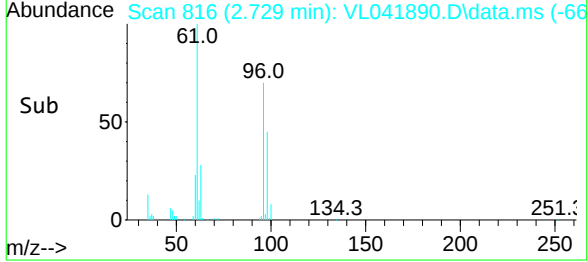
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion:	61	Resp:	41921
Ion	Ratio	Lower	Upper
61	100		
96	69.8	48.7	73.1
98	45.2	31.6	47.4

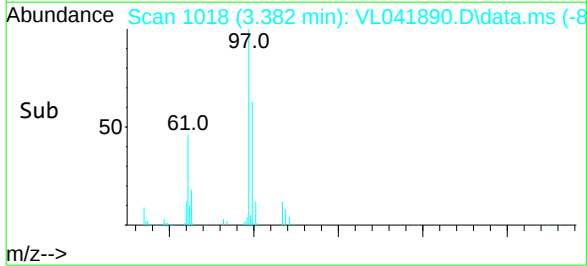
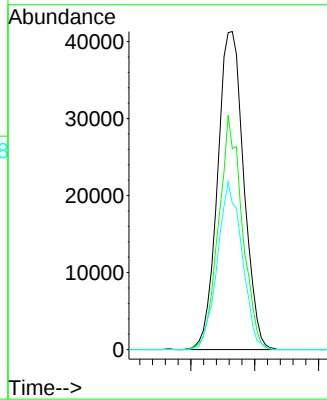
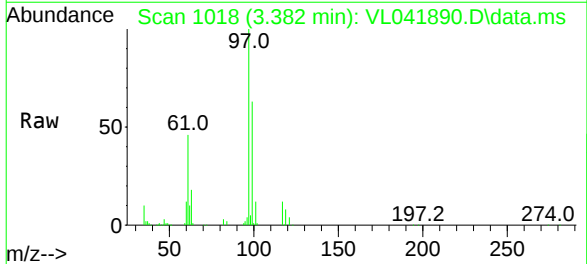
Manual Integrations
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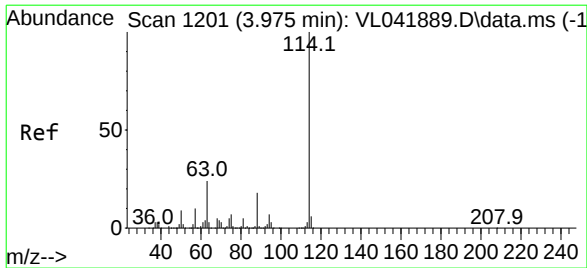
Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025



#32
 1,1,1-Trichloroethane
 Concen: 2.019 ppbv
 RT: 3.382 min Scan# 1018
 Delta R.T. 0.003 min
 Lab File: VL041890.D
 Acq: 14 Jan 2025 13:28

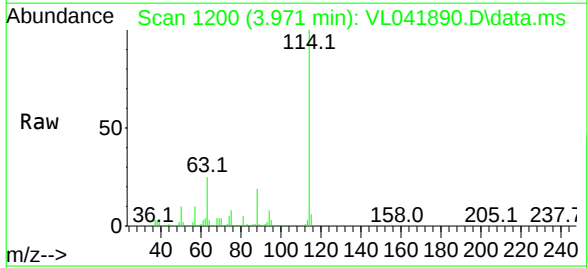
Tgt Ion:	97	Resp:	58965
Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.1	76.7
61	49.6	39.0	58.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.971 min Scan# 1201
Delta R.T. -0.003 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

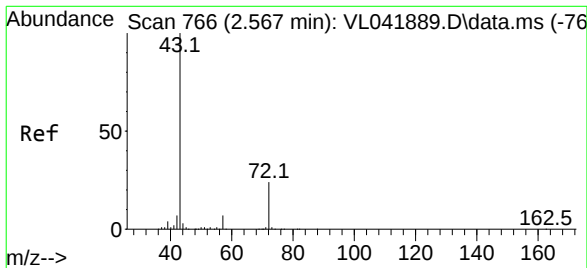
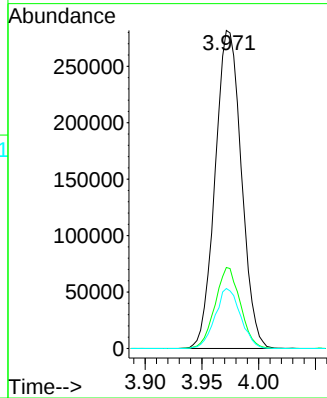
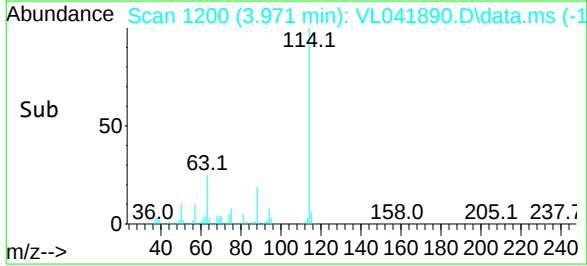
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 114 Resp: 452131
Ion Ratio Lower Upper
114 100
63 24.5 19.8 29.6
88 18.3 14.4 21.6

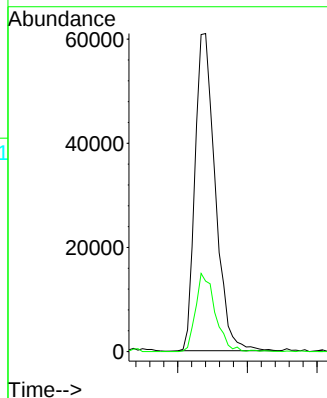
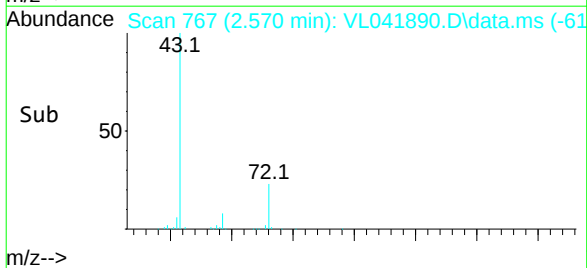
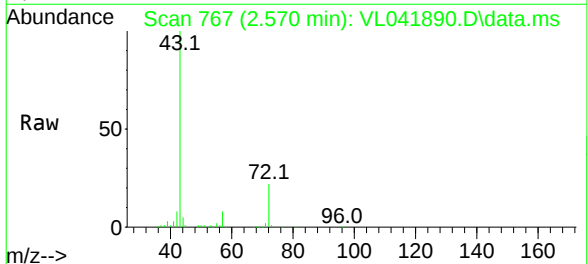
Manual Integrations
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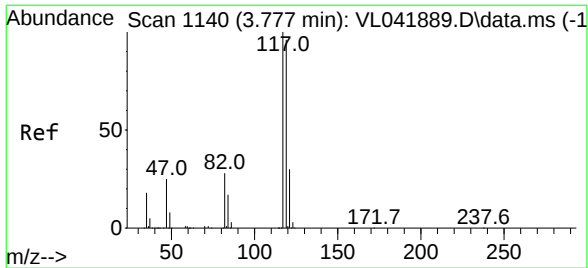
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#34
2-Butanone
Concen: 2.135 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.003 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion: 43 Resp: 61381
Ion Ratio Lower Upper
43 100
72 24.0 18.6 28.0





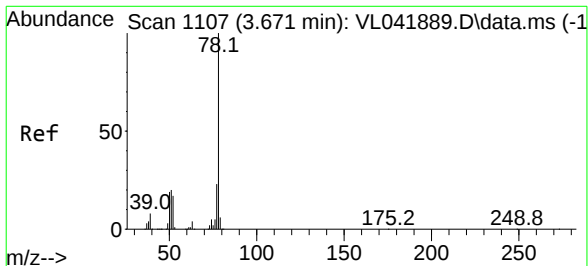
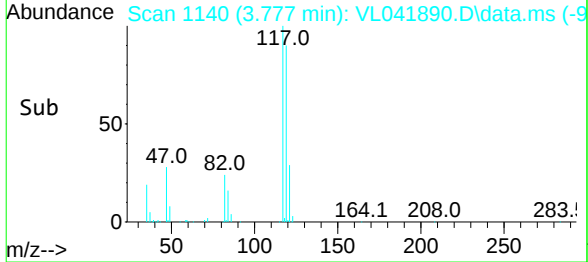
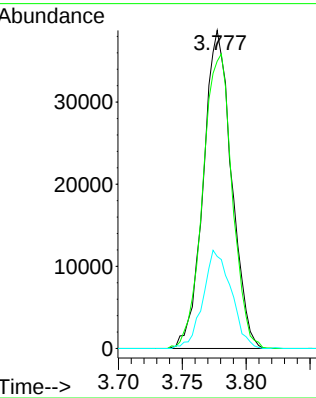
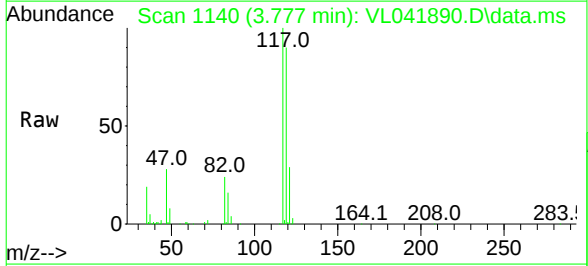
#35
Carbon Tetrachloride
Concen: 2.089 ppbv
RT: 3.777 min Scan# 1140
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:	117	Resp:	59436
Ion	Ratio	Lower	Upper
117	100		
119	90.3	76.9	115.3
121	29.0	23.8	35.6

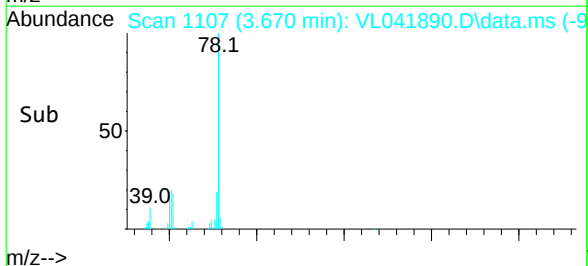
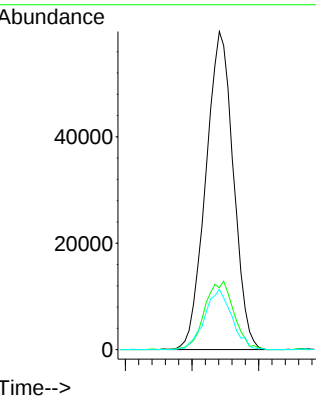
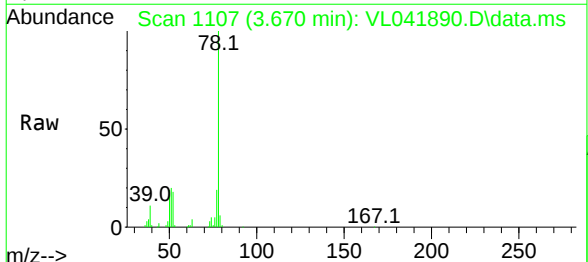
Manual Integrations
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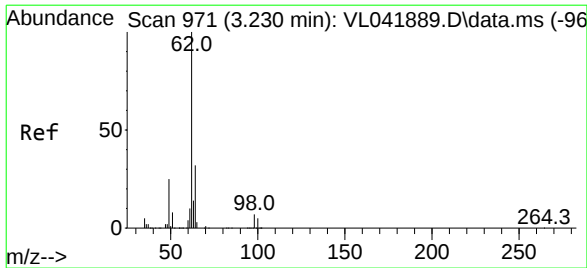
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#36
Benzene
Concen: 2.070 ppbv
RT: 3.670 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion:	78	Resp:	85859
Ion	Ratio	Lower	Upper
78	100		
77	19.5	18.1	27.1
50	18.9	15.2	22.8





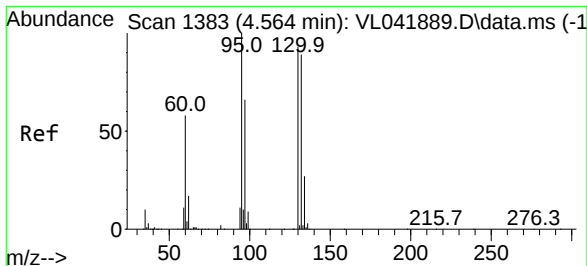
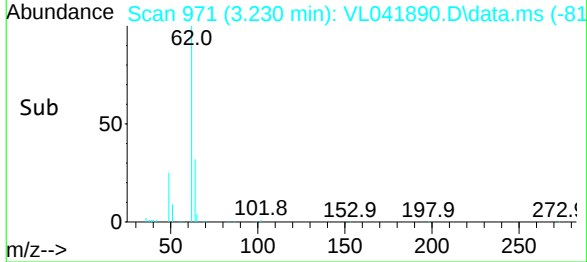
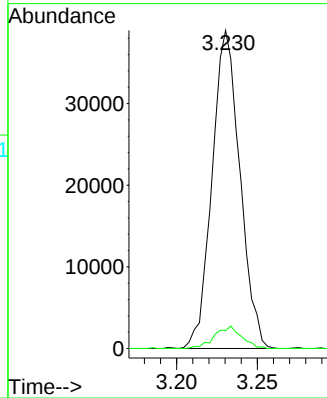
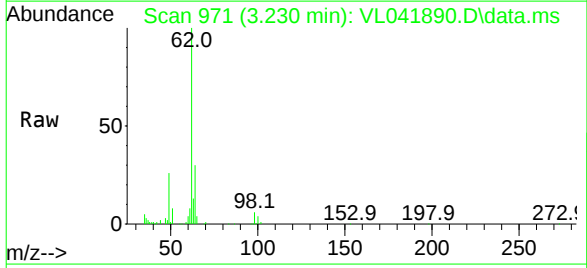
#37
1,2-Dichloroethane
Concen: 2.009 ppbv
RT: 3.230 min Scan# 971
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 62 Resp: 46786
Ion Ratio Lower Upper
62 100
98 6.9 5.4 8.0

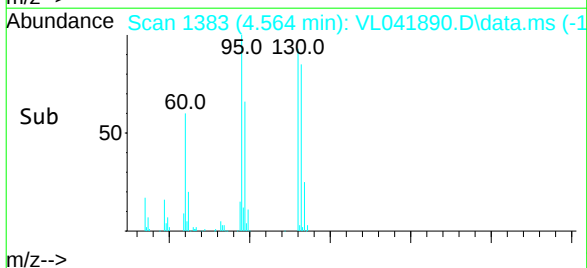
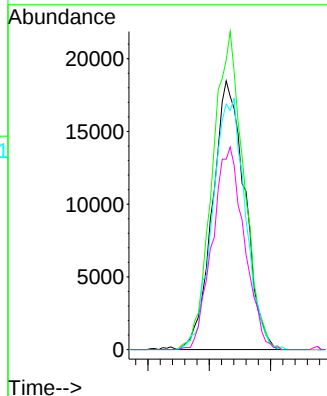
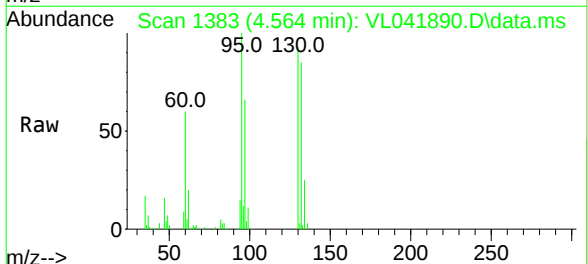
Manual Integrations
APPROVED

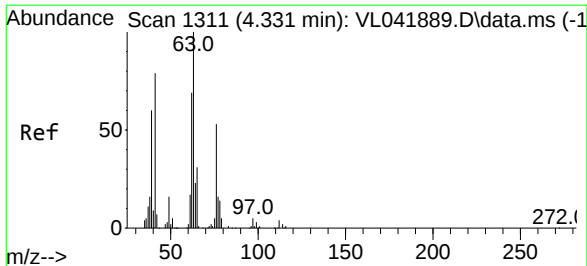
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#38
Trichloroethene
Concen: 2.052 ppbv
RT: 4.564 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

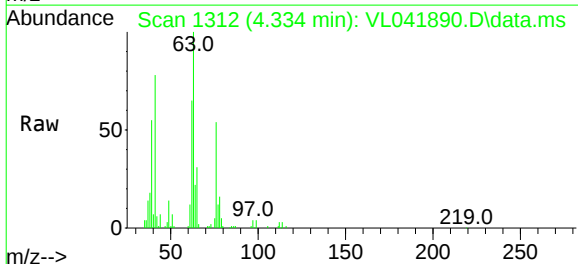
Tgt Ion:130 Resp: 33773
Ion Ratio Lower Upper
130 100
95 107.2 85.8 128.8
132 91.1 76.5 114.7
97 70.9 56.8 85.2





#39
1,2-Dichloropropane
Concen: 2.043 ppbv
RT: 4.334 min Scan# 1311
Delta R.T. 0.003 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

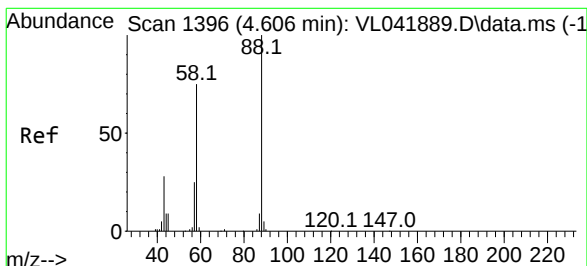
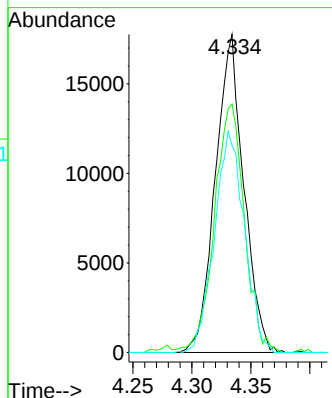
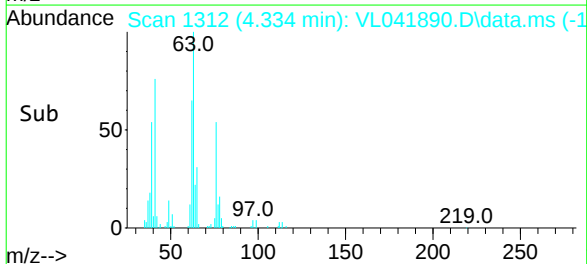
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 63 Resp: 29723
Ion Ratio Lower Upper
63 100
41 77.2 63.7 95.5
62 65.1 55.4 83.2

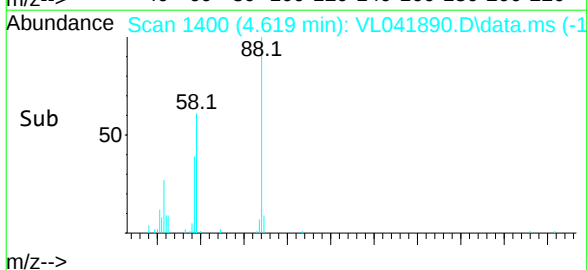
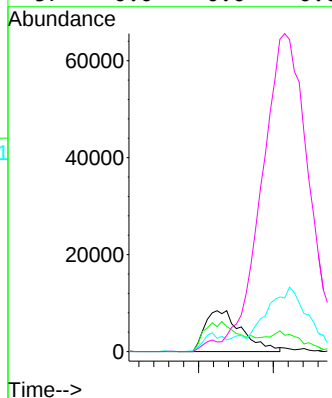
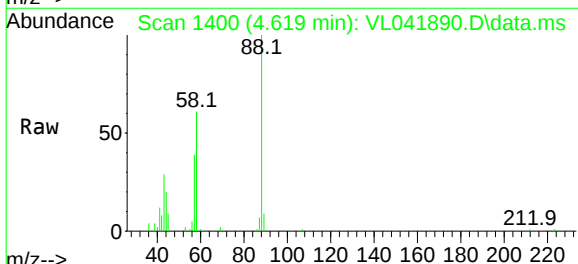
Manual Integrations
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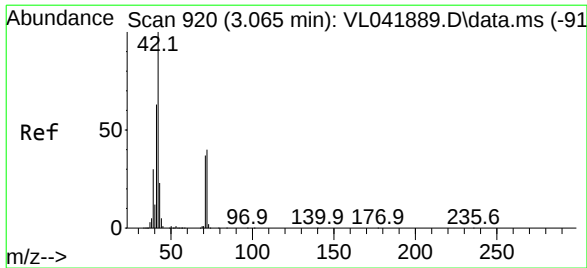
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#40
1,4-Dioxane
Concen: 1.984 ppbv m
RT: 4.619 min Scan# 1400
Delta R.T. 0.013 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion: 88 Resp: 14566
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





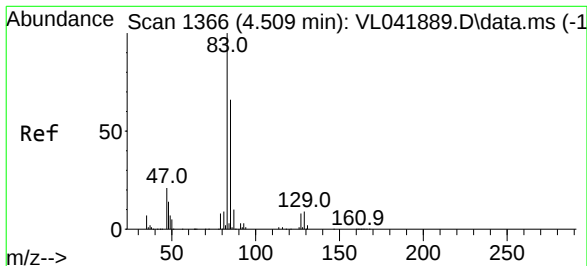
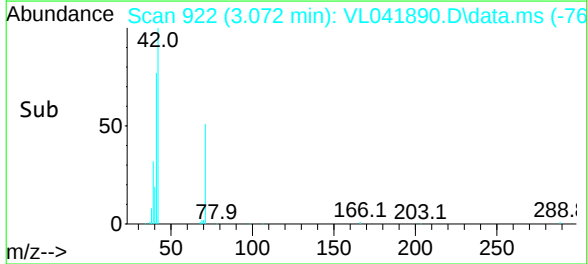
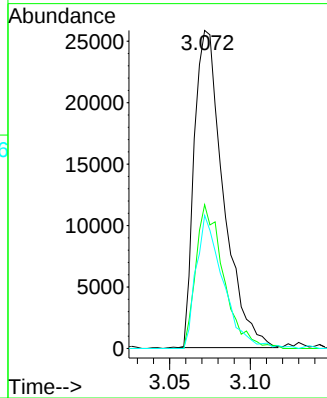
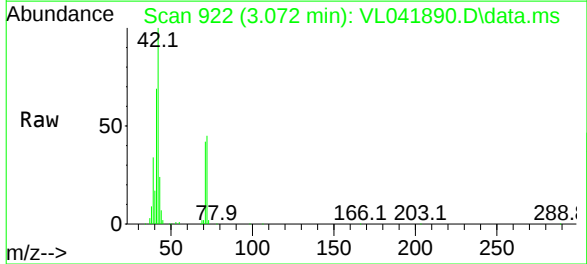
#41
Tetrahydrofuran
Concen: 2.064 ppbv
RT: 3.072 min Scan# 920
Delta R.T. 0.006 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.3	32.3	48.5
71	39.3	29.9	44.9

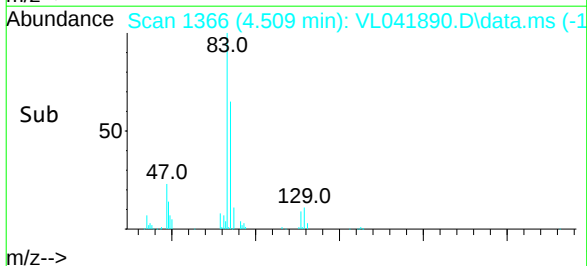
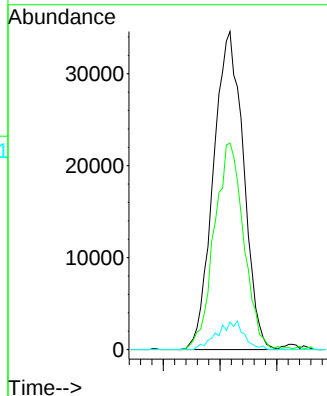
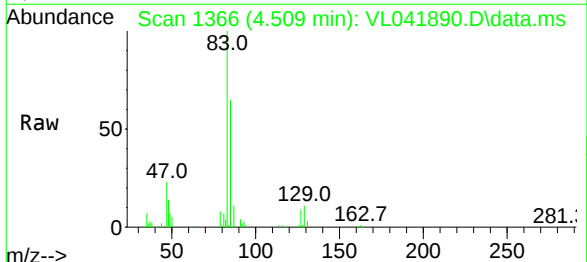
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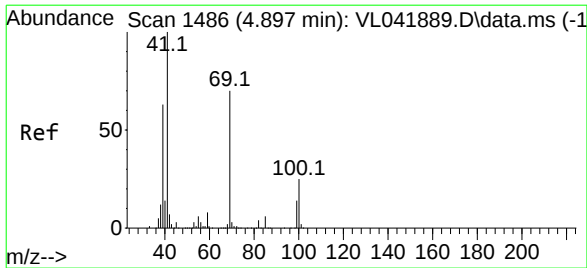
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#42
Bromodichloromethane
Concen: 2.037 ppbv
RT: 4.509 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

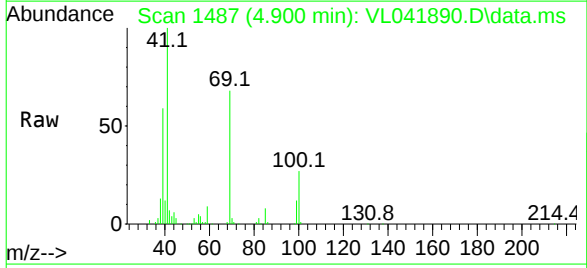
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.6	78.8
127	8.7	6.4	9.6





#43
Methyl Methacrylate
Concen: 2.046 ppbv
RT: 4.900 min Scan# 1486
Delta R.T. 0.003 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

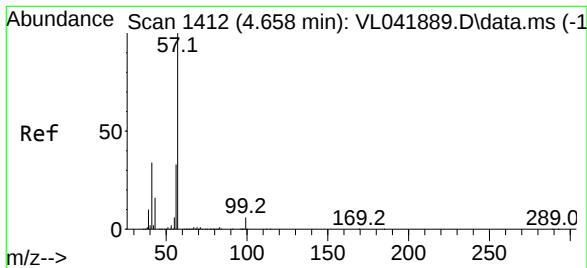
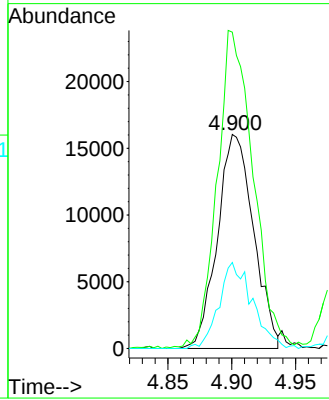
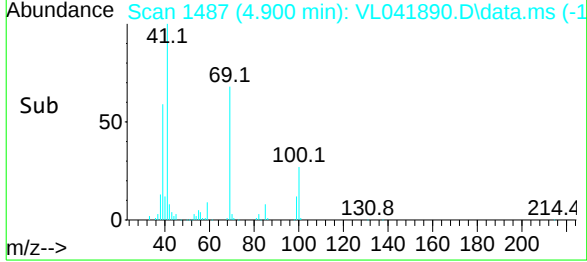
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 69 Resp: 31519
Ion Ratio Lower Upper
69 100
41 148.7 118.6 177.8
100 37.4 29.3 43.9

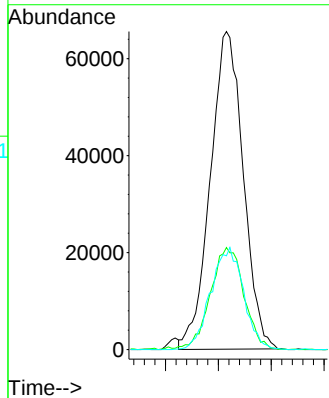
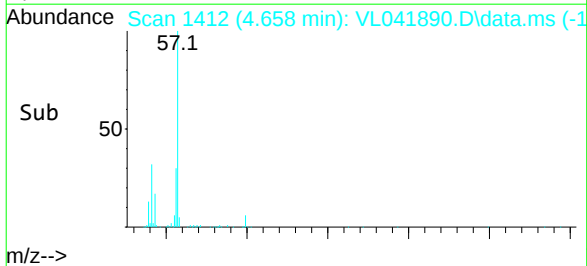
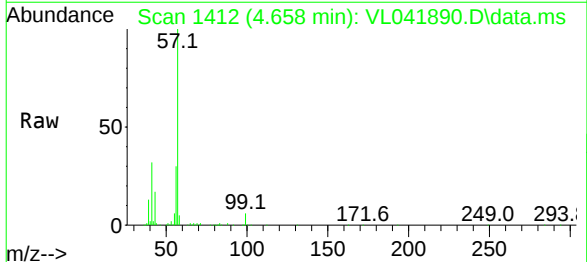
Manual Integrations
APPROVED

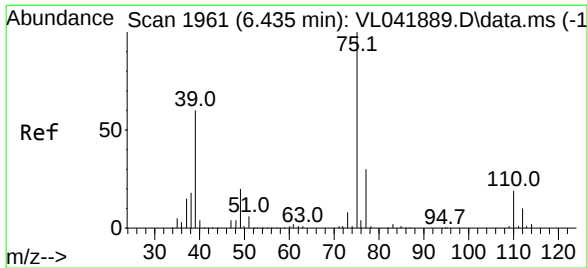
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#44
2,2,4-Trimethylpentane
Concen: 2.111 ppbv
RT: 4.658 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion: 57 Resp: 141602
Ion Ratio Lower Upper
57 100
41 33.2 26.6 40.0
56 32.0 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 1.999 ppbv

RT: 6.435 min Scan# 19

Delta R.T. -0.000 min

Lab File: VL041890.D

Acq: 14 Jan 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 75 Resp: 28818

Ion Ratio Lower Upper

75 100

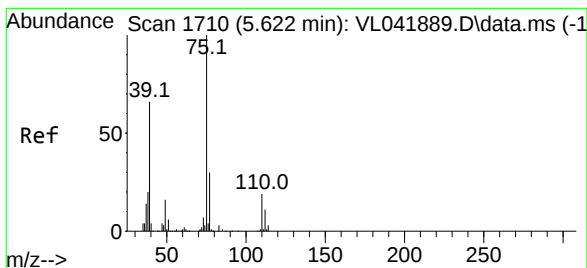
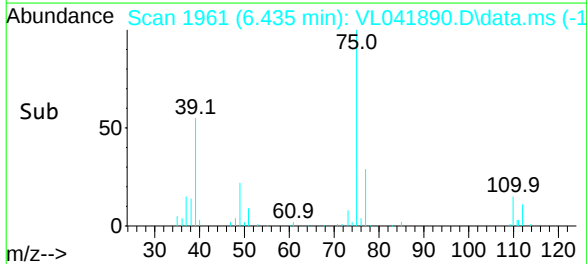
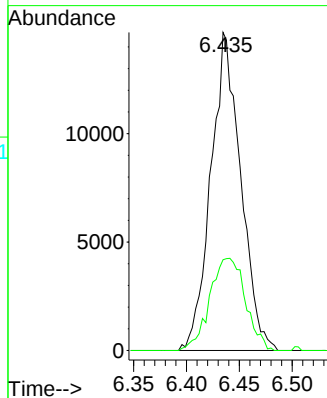
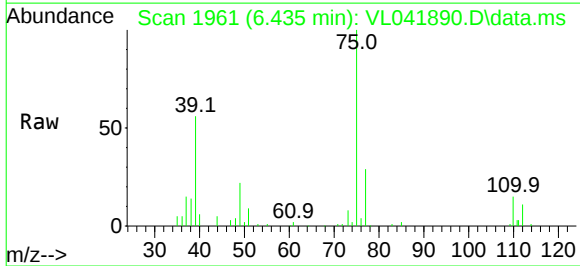
77 28.5 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#46

cis-1,3-Dichloropropene

Concen: 2.095 ppbv

RT: 5.625 min Scan# 1711

Delta R.T. 0.003 min

Lab File: VL041890.D

Acq: 14 Jan 2025 13:28

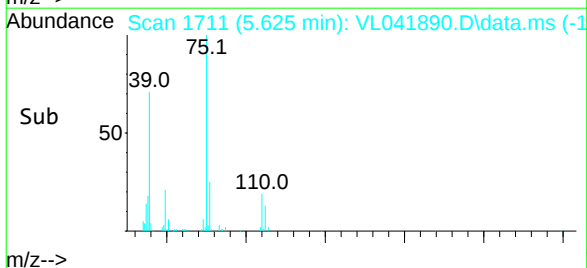
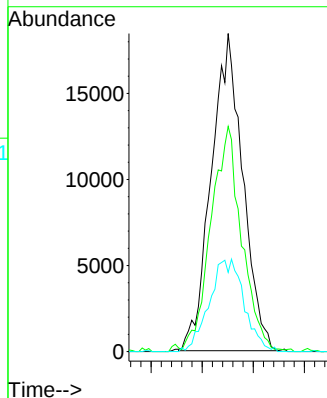
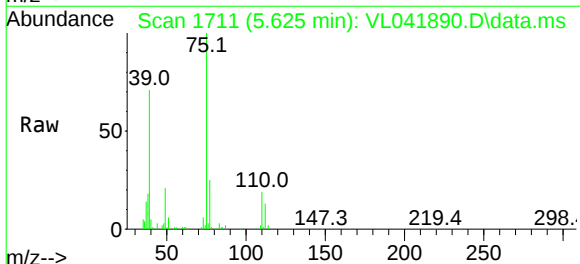
Tgt Ion: 75 Resp: 39668

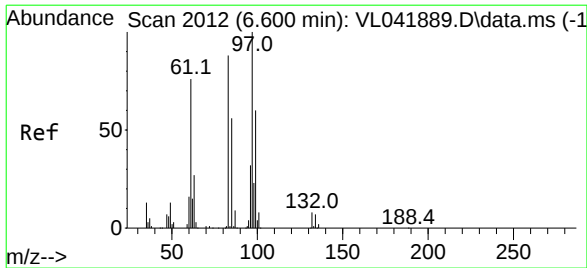
Ion Ratio Lower Upper

75 100

39 70.2 53.1 79.7

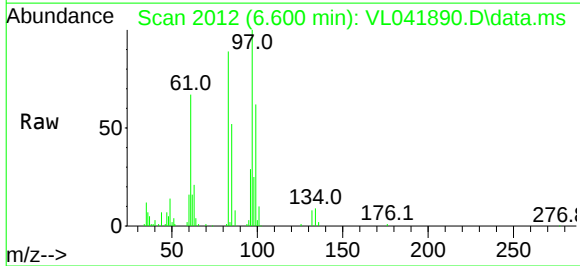
77 25.0 23.8 35.8





#47
1,1,2-Trichloroethane
Concen: 2.055 ppbv
RT: 6.600 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

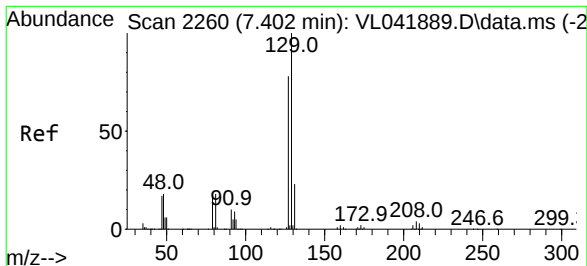
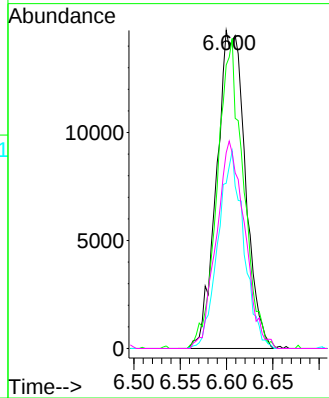
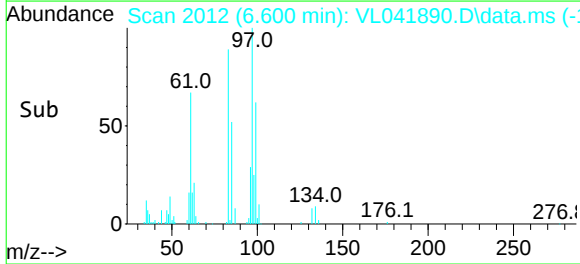
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 97 Resp: 31694
Ion Ratio Lower Upper
97 100
83 89.1 70.4 105.6
85 52.0 45.0 67.4
99 61.6 48.1 72.1

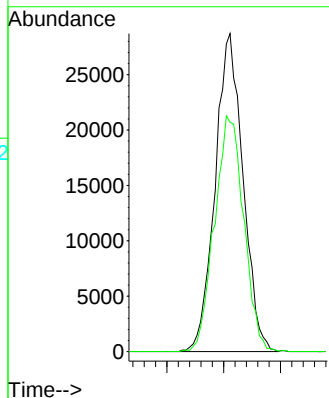
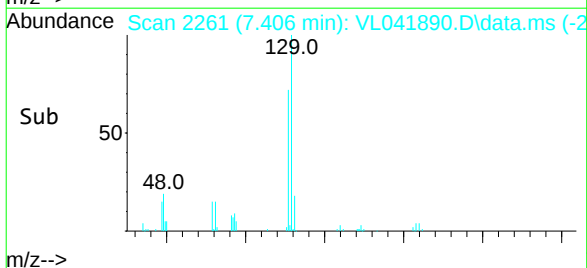
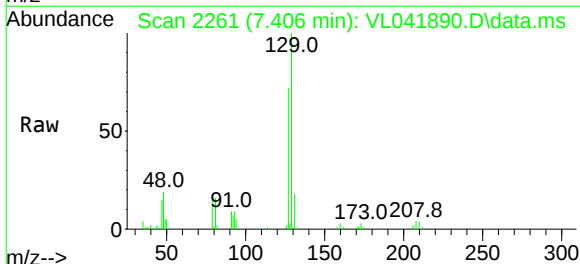
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APPROVED

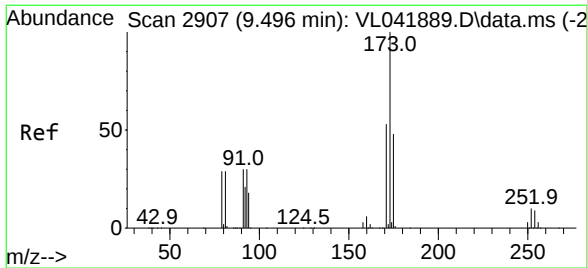
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#48
Dibromochloromethane
Concen: 2.055 ppbv
RT: 7.406 min Scan# 2261
Delta R.T. 0.003 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion:129 Resp: 48894
Ion Ratio Lower Upper
129 100
127 77.7 39.3 117.8





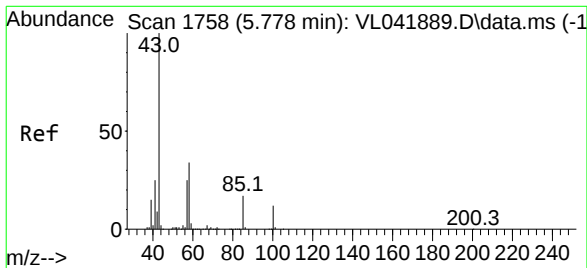
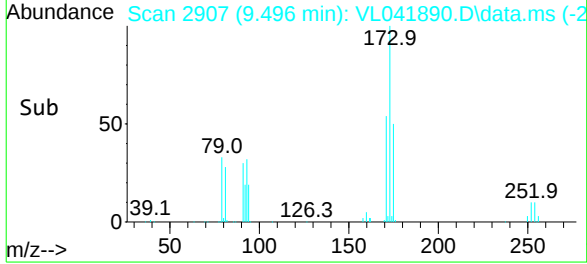
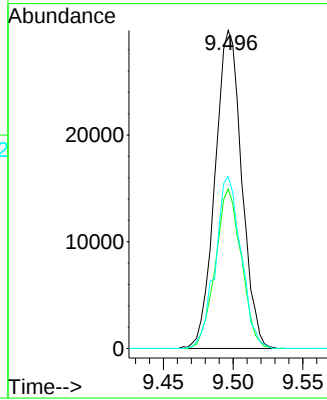
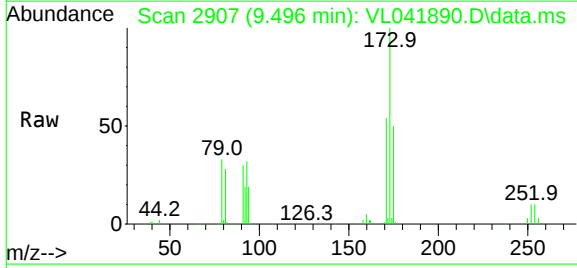
#49
Bromoform
Concen: 2.032 ppbv
RT: 9.496 min Scan# 2907
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.4	57.6
171	52.3	41.4	62.2

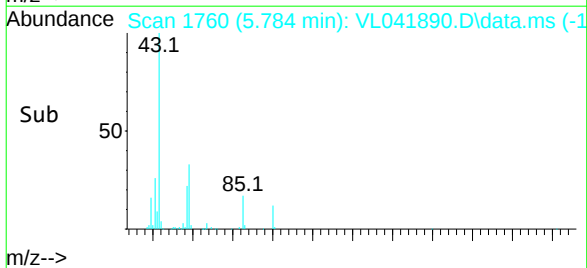
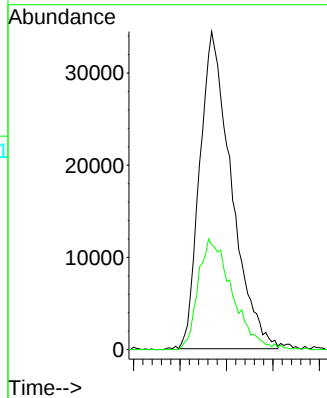
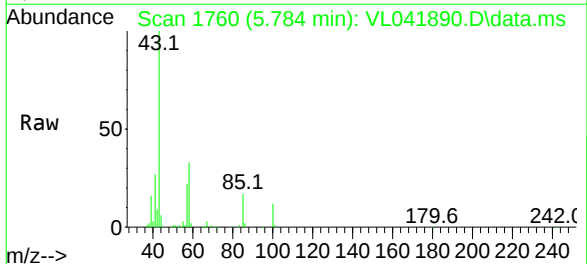
Manual Integrations
APPROVED

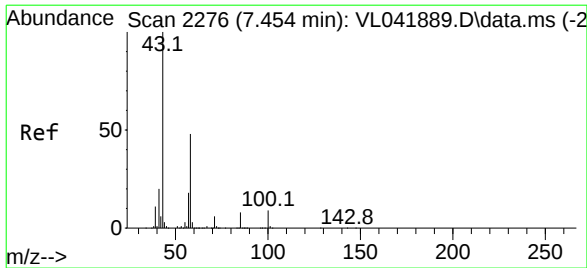
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#50
4-Methyl-2-Pentanone
Concen: 2.076 ppbv
RT: 5.784 min Scan# 1760
Delta R.T. 0.006 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.7	29.0	43.6





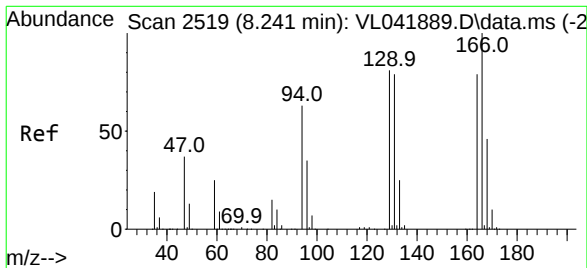
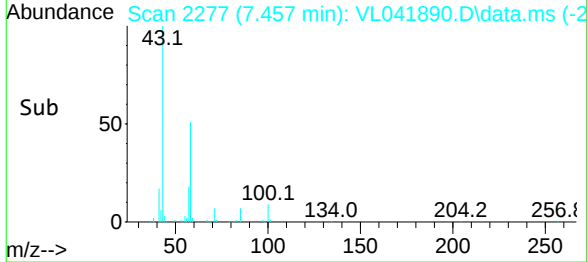
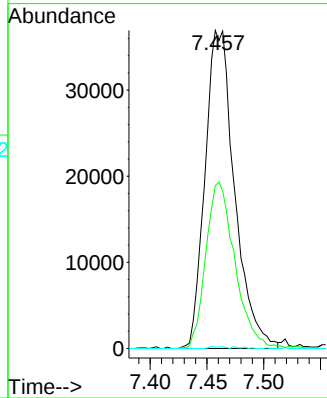
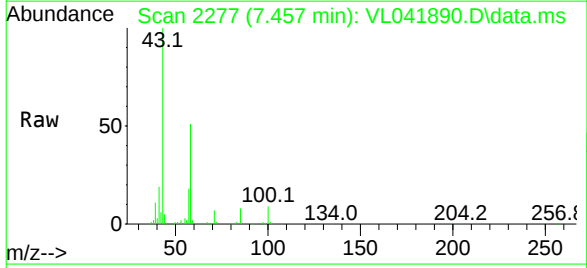
#51
2-Hexanone
Concen: 2.216 ppbv
RT: 7.457 min Scan# 2276
Delta R.T. 0.003 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 66831
Ion Ratio Lower Upper
43 100
58 51.7 40.4 60.6
98 0.5 0.2 0.2

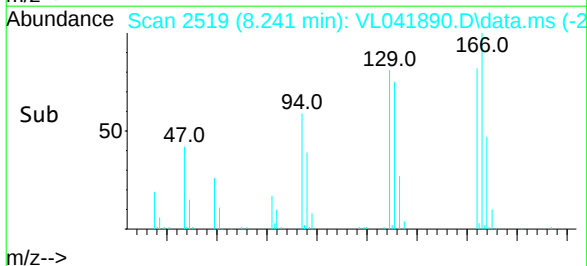
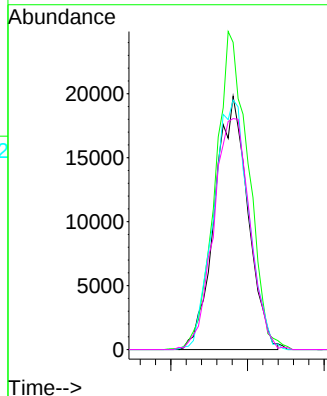
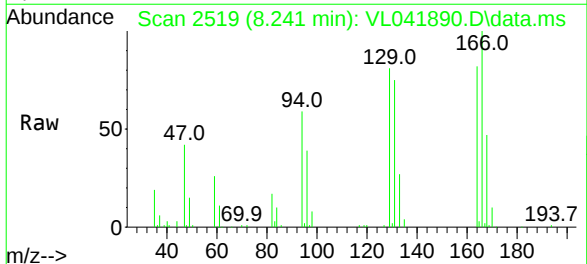
Manual Integrations
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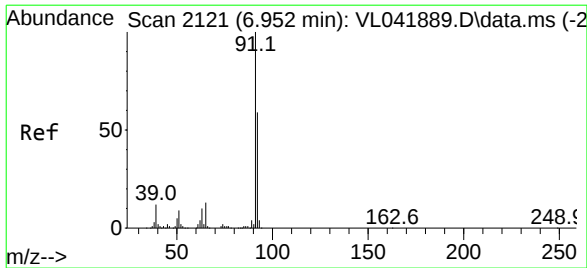
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#52
Tetrachloroethene
Concen: 2.074 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion:164 Resp: 29814
Ion Ratio Lower Upper
164 100
166 120.9 100.8 151.2
129 98.2 82.0 123.0
131 90.7 80.2 120.2





#53

Toluene

Concen: 2.097 ppbv

RT: 6.952 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041890.D

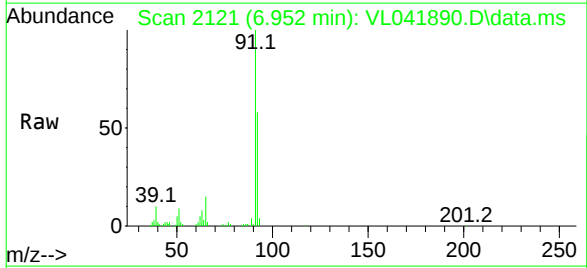
Acq: 14 Jan 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion: 91 Resp: 94741

Ion Ratio Lower Upper

91 100

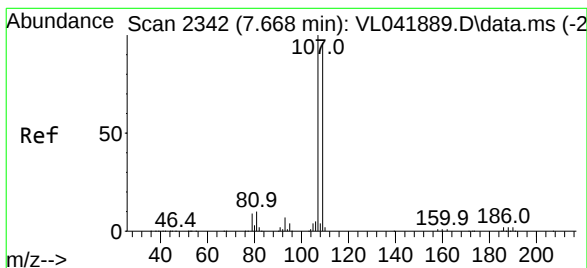
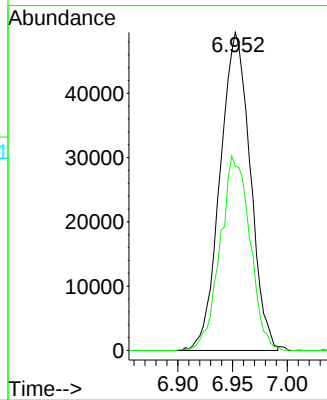
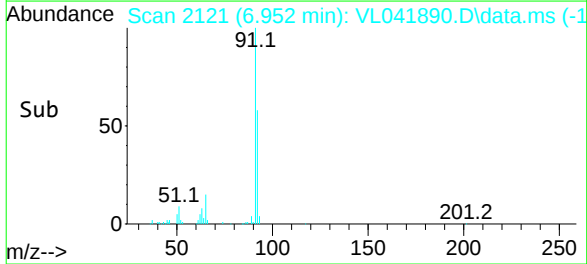
92 60.5 47.4 71.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#54

1,2-Dibromoethane

Concen: 2.106 ppbv

RT: 7.671 min Scan# 2343

Delta R.T. 0.003 min

Lab File: VL041890.D

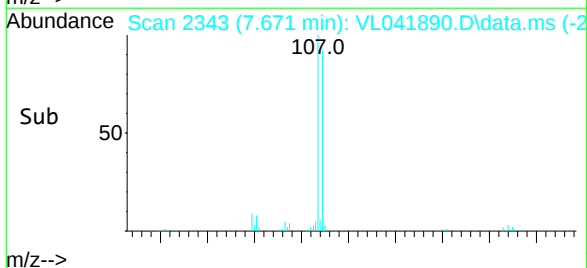
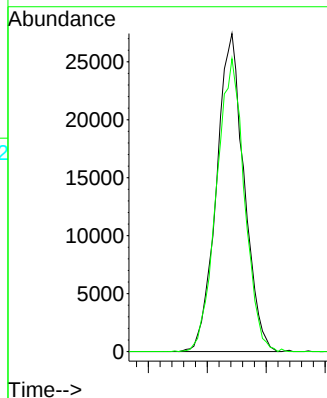
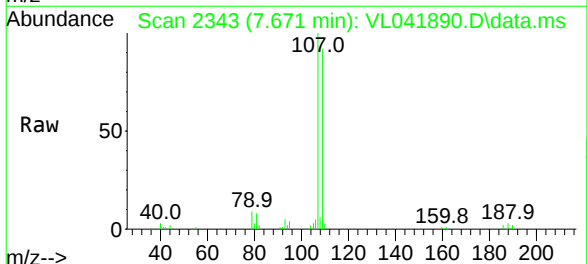
Acq: 14 Jan 2025 13:28

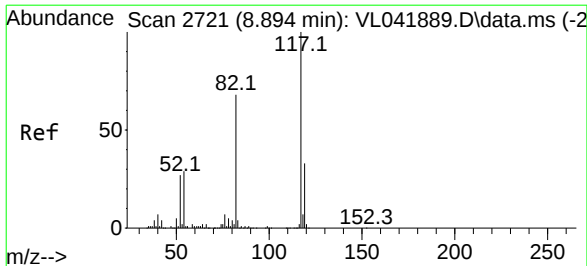
Tgt Ion:107 Resp: 44636

Ion Ratio Lower Upper

107 100

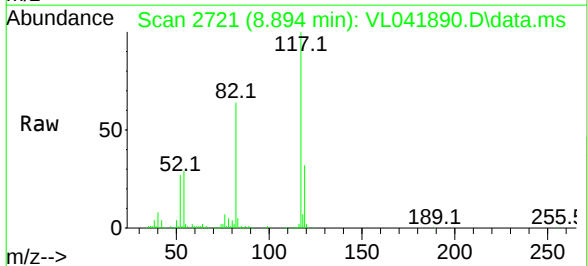
109 92.1 76.7 115.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2721
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

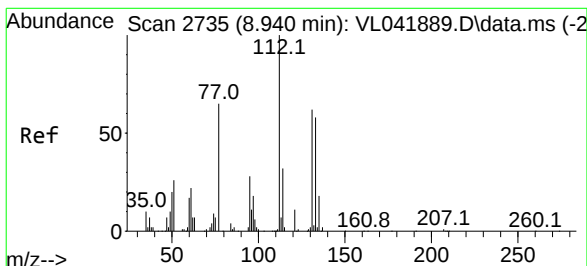
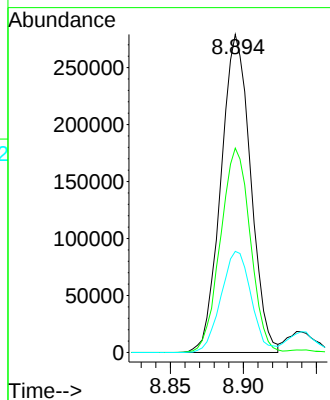
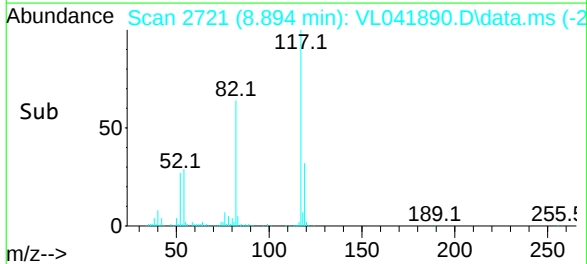
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion:117 Resp: 394865
Ion Ratio Lower Upper
117 100
82 65.4 54.2 81.4
119 32.2 25.0 37.6

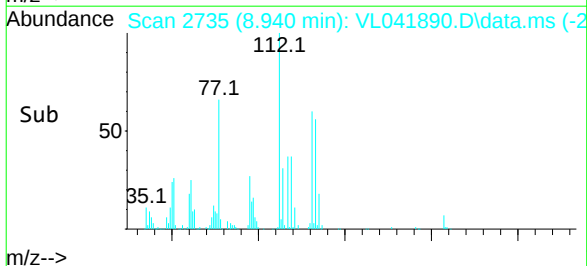
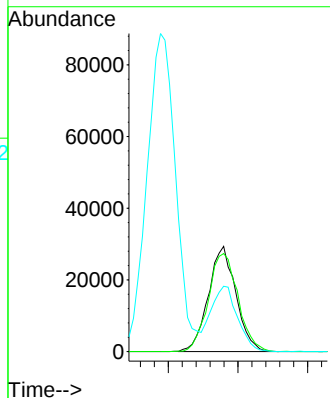
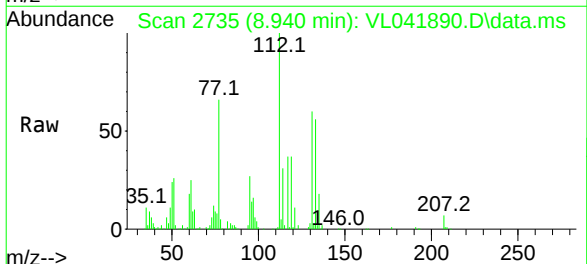
Manual Integrations
APPROVED

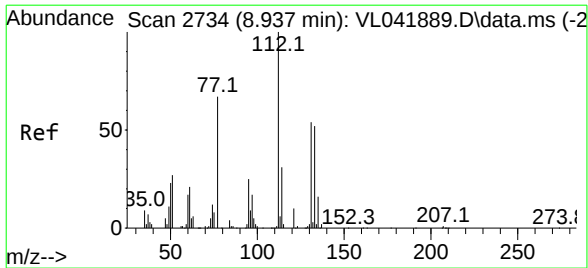
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 2.043 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion:131 Resp: 40249
Ion Ratio Lower Upper
131 100
133 100.7 76.0 114.0
119 56.1 49.7 74.5





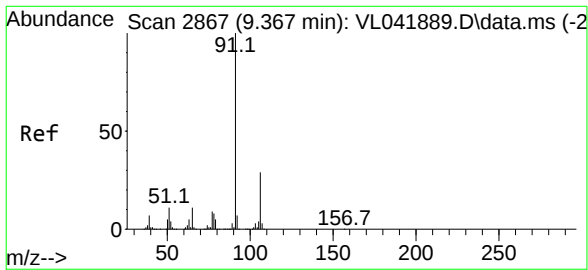
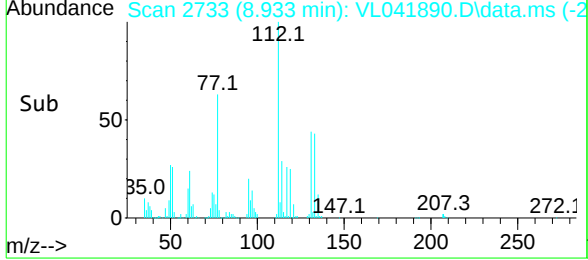
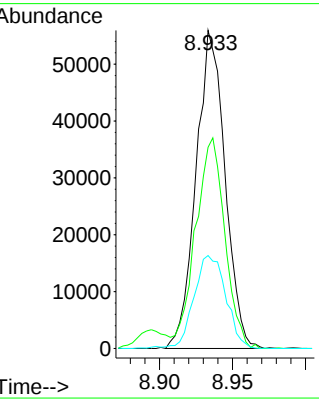
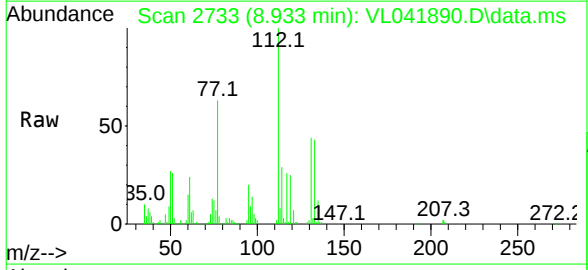
#57
 Chlorobenzene
 Concen: 2.119 ppbv
 RT: 8.933 min Scan# 2733
 Delta R.T. -0.003 min
 Lab File: VL041890.D
 Acq: 14 Jan 2025 13:28

Instrument : MSVOA_1
 ClientSampleId : VSTDIC002

Tgt Ion:	112	Resp:	77180
Ion Ratio	Lower	Upper	
112	100		
77	63.3	54.6	82.0
114	29.1	28.2	34.4

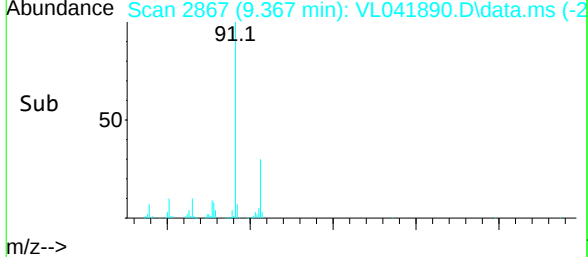
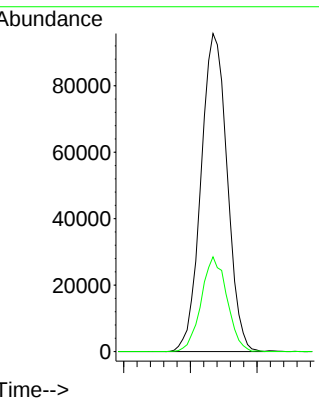
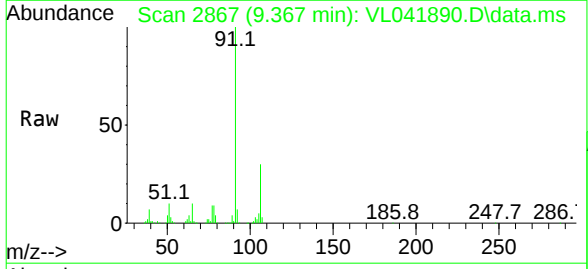
Manual Integrations
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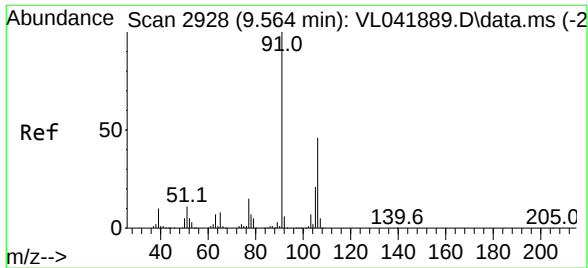
Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025



#58
 Ethyl Benzene
 Concen: 2.116 ppbv
 RT: 9.367 min Scan# 2867
 Delta R.T. -0.000 min
 Lab File: VL041890.D
 Acq: 14 Jan 2025 13:28

Tgt Ion:	91	Resp:	130554
Ion Ratio	Lower	Upper	
91	100		
106	29.8	23.1	34.7





#59
m/p-Xylene
Concen: 4.322 ppbv m
RT: 9.561 min Scan# 29
Delta R.T. -0.003 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

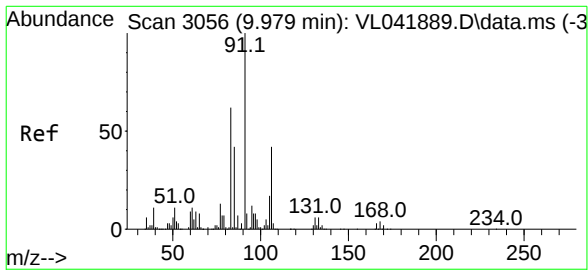
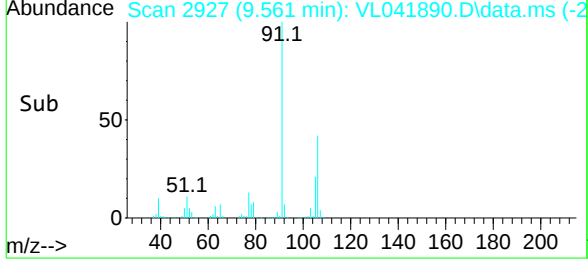
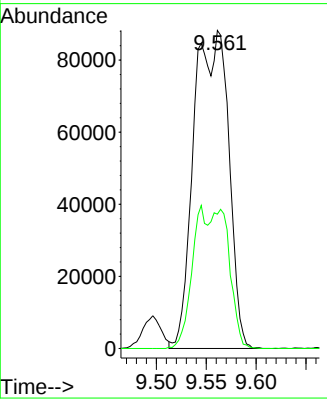
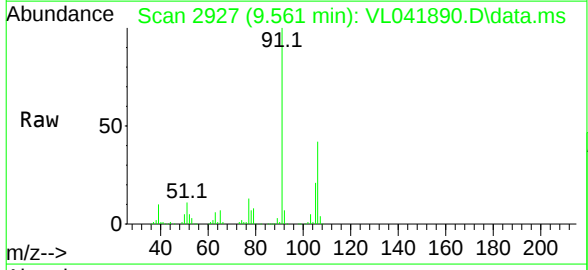
VSTDIC002

Tgt Ion: 91 Resp: 214076
Ion Ratio Lower Upper
91 100
106 0.0 36.0 54.0#

Manual Integrations

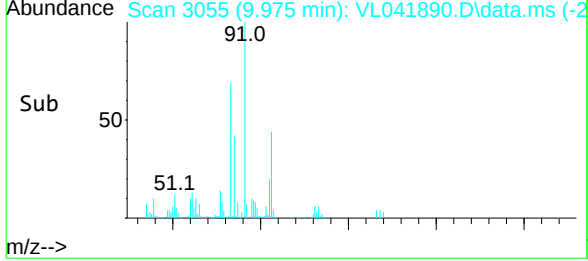
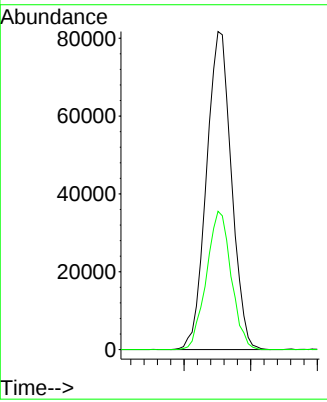
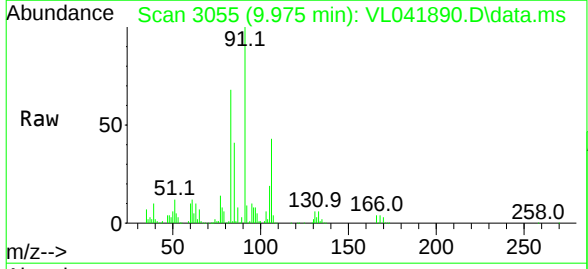
APPROVED

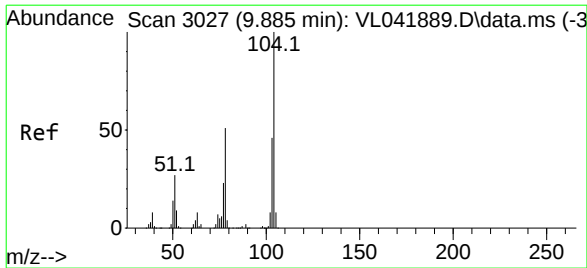
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#60
o-Xylene
Concen: 2.168 ppbv
RT: 9.975 min Scan# 3055
Delta R.T. -0.003 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion: 91 Resp: 106458
Ion Ratio Lower Upper
91 100
106 43.1 21.3 63.9





#61

Styrene

Concen: 2.065 ppbv

RT: 9.885 min Scan# 3027

Delta R.T. -0.000 min

Lab File: VL041890.D

Acq: 14 Jan 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

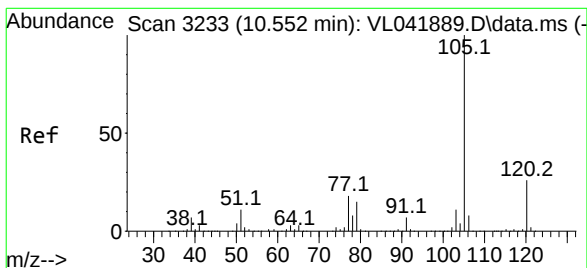
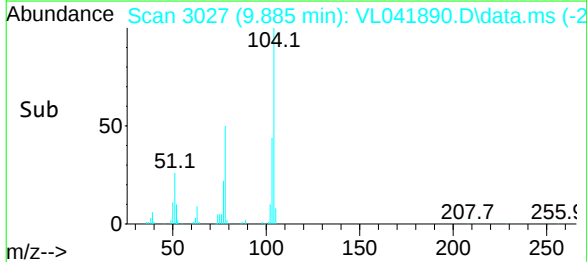
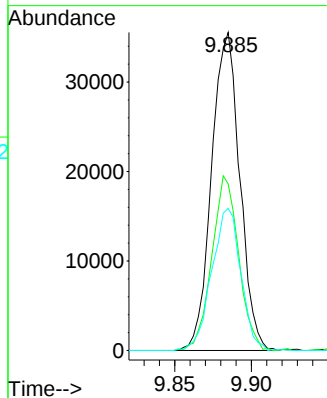
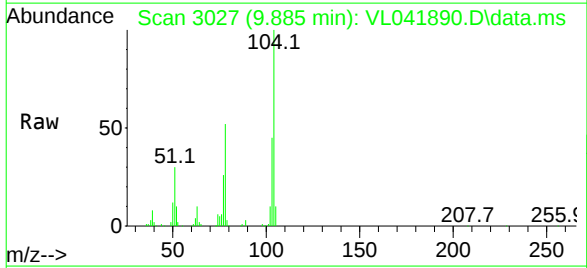
VSTDICC002

Tgt Ion:	104	Resp:	45490
Ion Ratio	Lower	Upper	
104	100		
78	52.4	41.0	61.6
103	46.0	37.2	55.8

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 2.147 ppbv

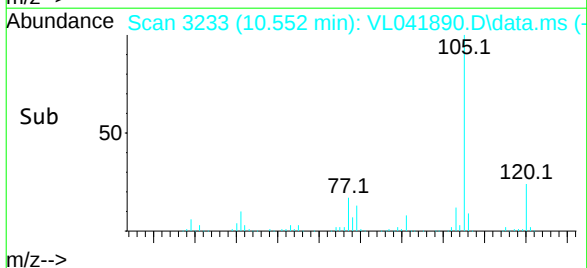
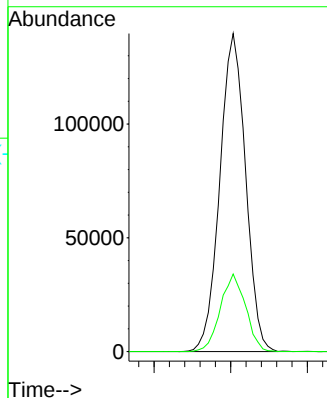
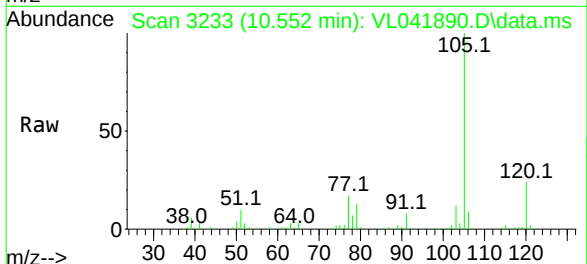
RT: 10.552 min Scan# 3233

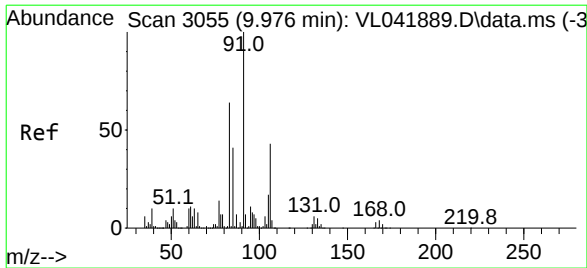
Delta R.T. -0.000 min

Lab File: VL041890.D

Acq: 14 Jan 2025 13:28

Tgt Ion:	105	Resp:	163135
Ion Ratio	Lower	Upper	
105	100		
120	23.9	20.3	30.5





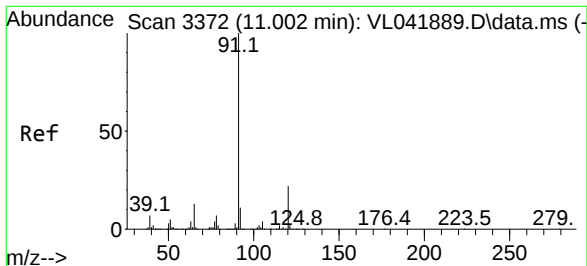
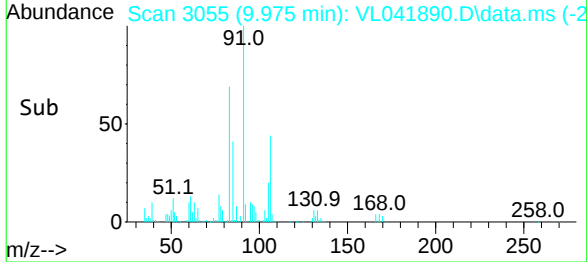
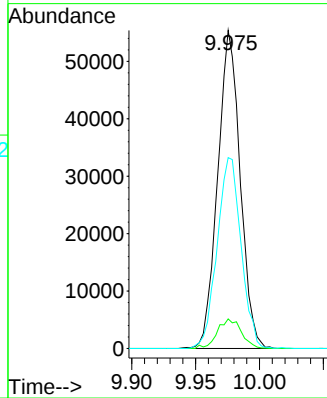
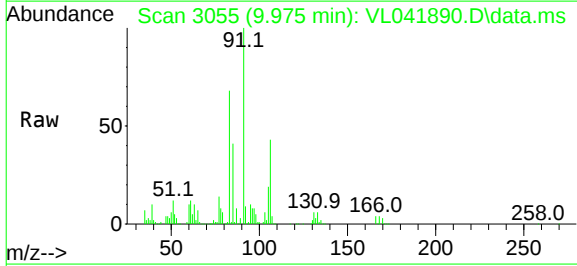
#63
1,1,2,2-Tetrachloroethane
Concen: 2.193 ppbv
RT: 9.975 min Scan# 3055
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 83 Resp: 67775
Ion Ratio Lower Upper
83 100
131 9.9 4.8 14.4
85 64.0 32.4 97.2

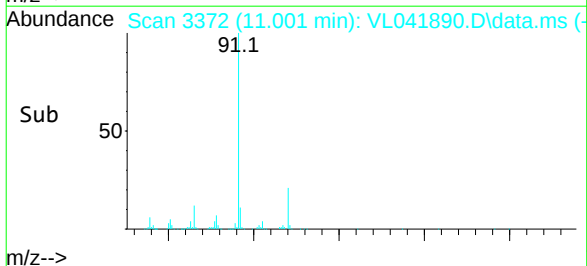
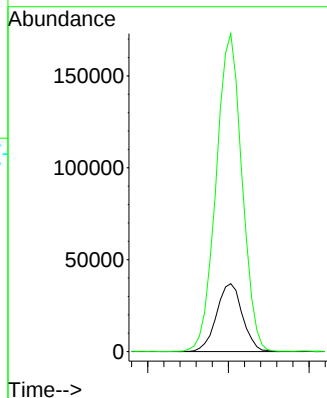
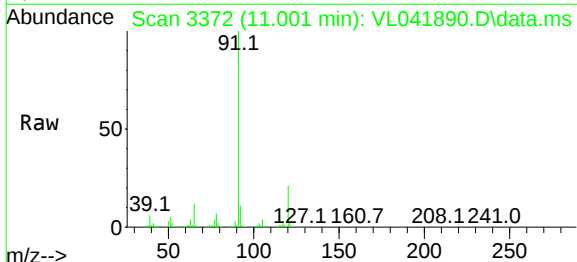
Manual Integrations
APPROVED

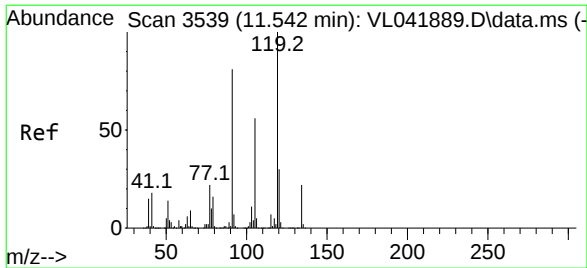
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#64
n-propylbenzene
Concen: 2.145 ppbv
RT: 11.001 min Scan# 3372
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion:120 Resp: 41184
Ion Ratio Lower Upper
120 100
91 469.0 374.1 561.1





#65

tert-Butylbenzene

Concen: 2.189 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. -0.000 min

Lab File: VL041890.D

Acq: 14 Jan 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

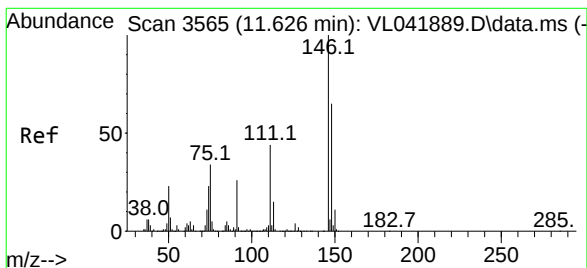
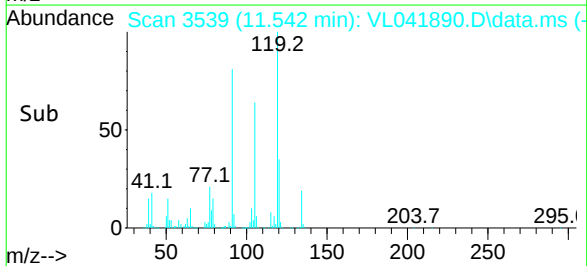
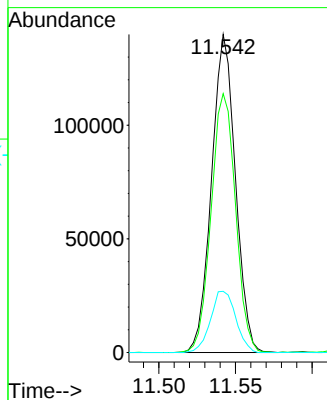
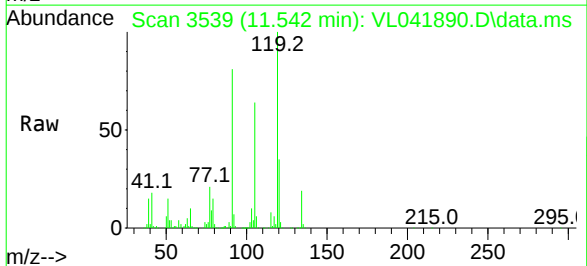
VSTDIC002

Tgt Ion:	119	Resp:	151534
Ion	Ratio	Lower	Upper
119	100		
91	83.4	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: 2.083 ppbv

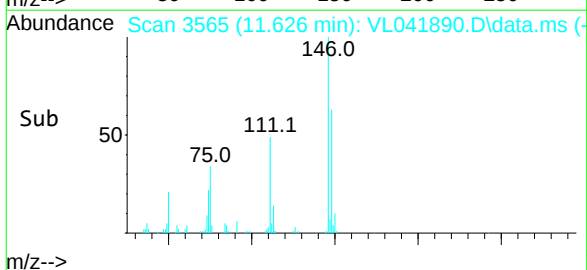
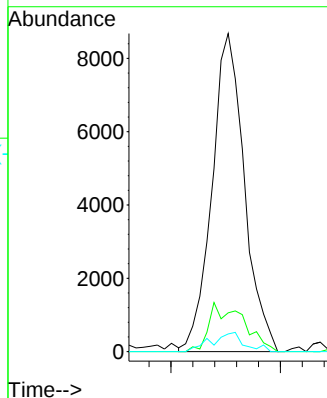
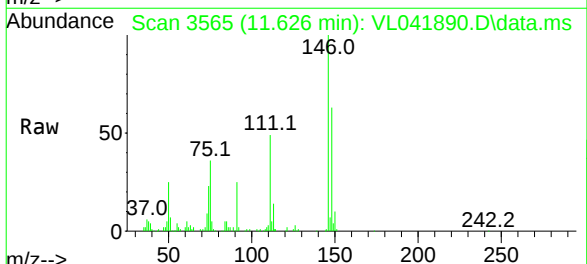
RT: 11.626 min Scan# 3565

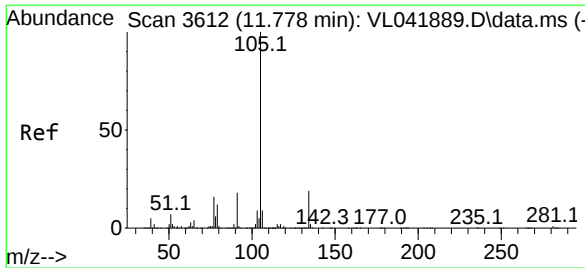
Delta R.T. -0.000 min

Lab File: VL041890.D

Acq: 14 Jan 2025 13:28

Tgt Ion:	91	Resp:	8925
Ion	Ratio	Lower	Upper
91	100		
126	16.4	14.1	21.1
128	6.0	4.3	6.5





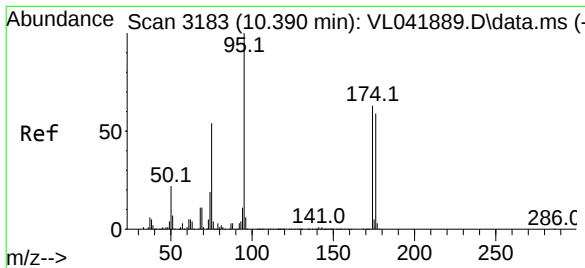
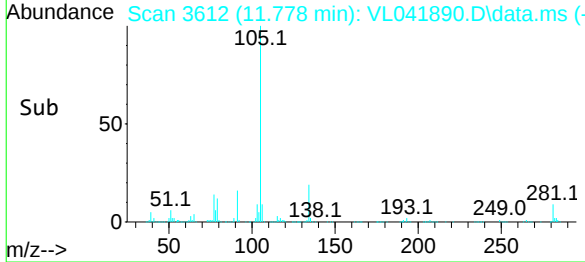
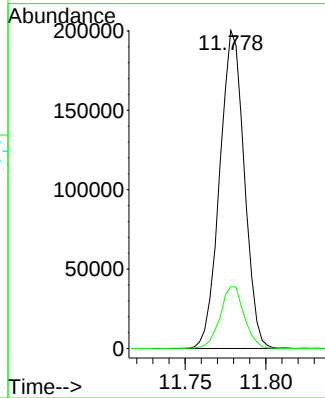
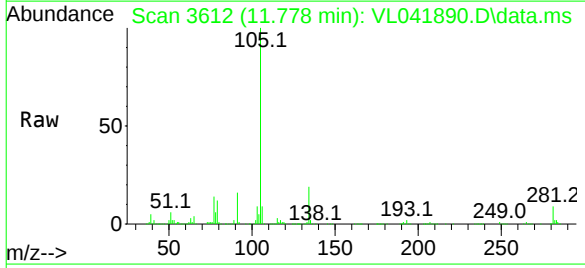
#67
 sec-Butylbenzene
 Concen: 2.221 ppbv
 RT: 11.778 min Scan# 3612
 Delta R.T. -0.000 min
 Lab File: VL041890.D
 Acq: 14 Jan 2025 13:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 105 Resp: 211759
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.1 22.7

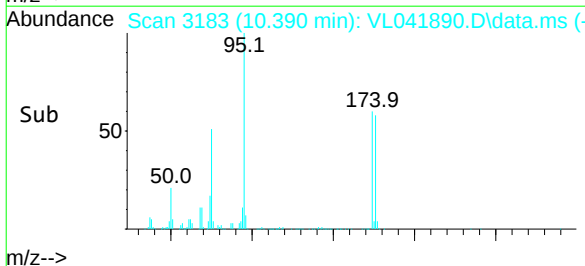
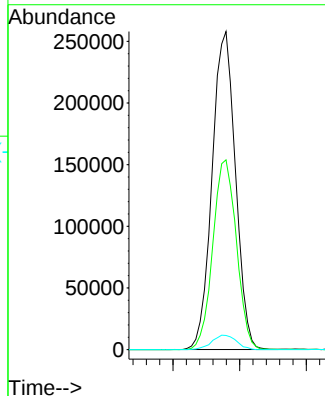
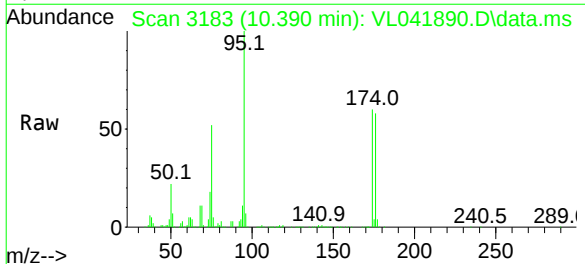
Manual Integrations
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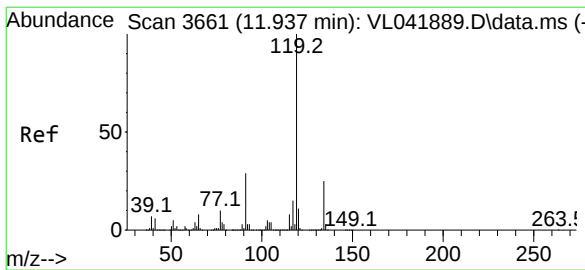
Reviewed By : Semsettin Yesilyurt 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.089 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. -0.000 min
 Lab File: VL041890.D
 Acq: 14 Jan 2025 13:28

Tgt Ion: 95 Resp: 313784
 Ion Ratio Lower Upper
 95 100
 174 60.4 49.0 73.4
 175 4.8 3.8 5.8





#69

p-Isopropyltoluene

Concen: 2.270 ppbv

RT: 11.937 min Scan# 3661

Delta R.T. -0.000 min

Lab File: VL041890.D

Acq: 14 Jan 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

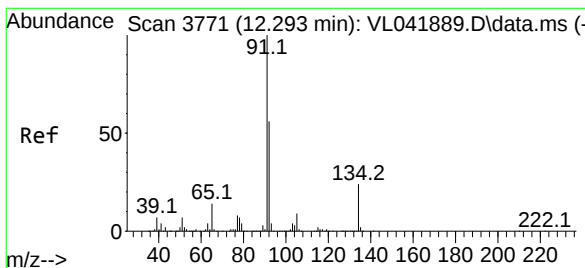
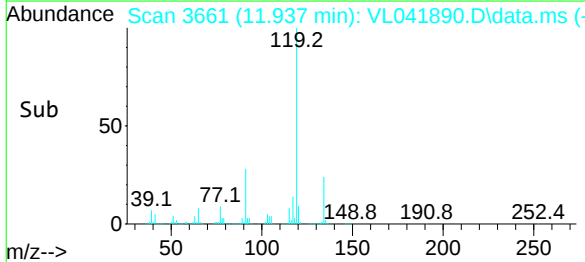
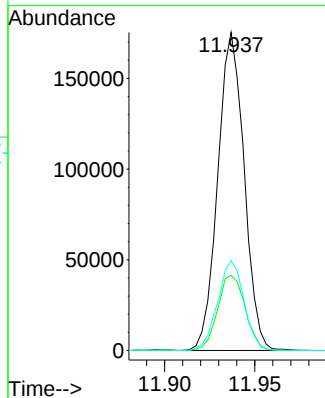
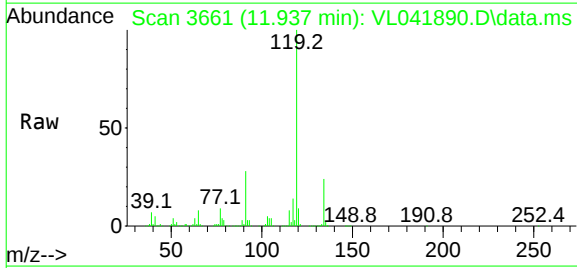
VSTDIC002

Tgt Ion:	119	Resp:	178172
Ion	Ratio	Lower	Upper
119	100		
134	24.7	19.8	29.6
91	28.5	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: 2.238 ppbv

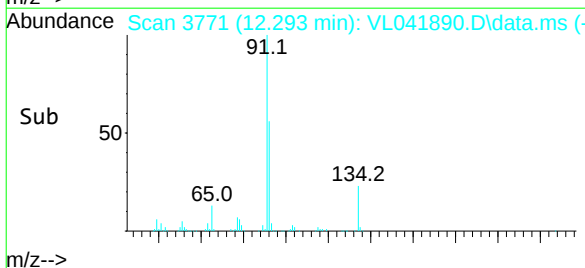
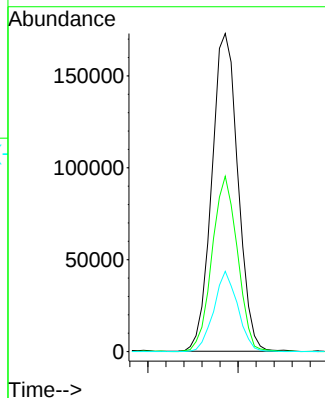
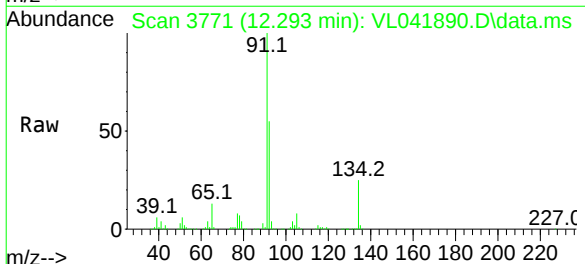
RT: 12.293 min Scan# 3771

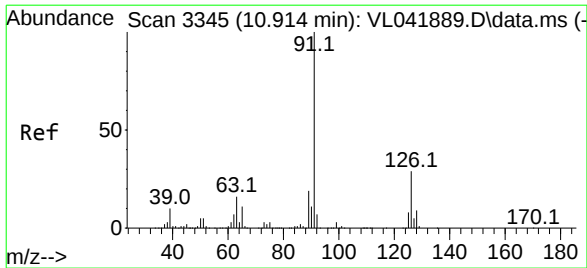
Delta R.T. -0.000 min

Lab File: VL041890.D

Acq: 14 Jan 2025 13:28

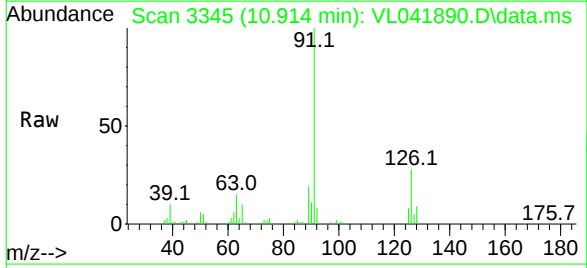
Tgt Ion:	91	Resp:	174217
Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.8	65.6
134	23.2	19.0	28.6





#71
2-Chlorotoluene
Concen: 2.161 ppbv
RT: 10.914 min Scan# 3345
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

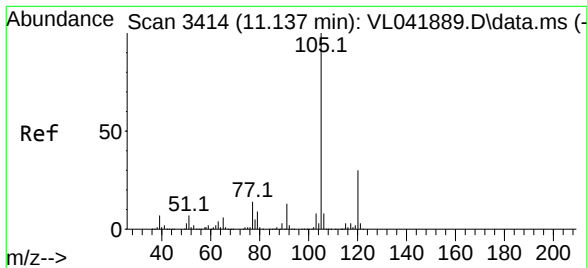
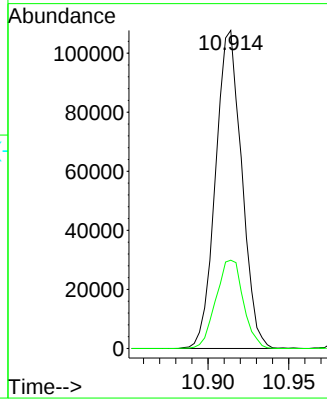
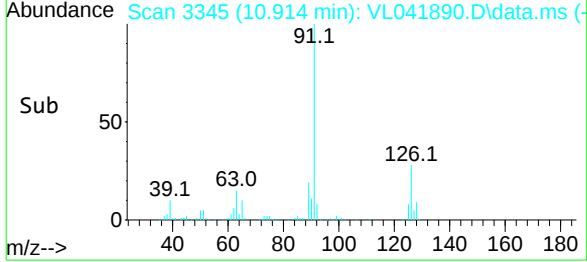
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



Tgt Ion: 91 Resp: 121418
Ion Ratio Lower Upper
91 100
126 29.1 11.7 46.7

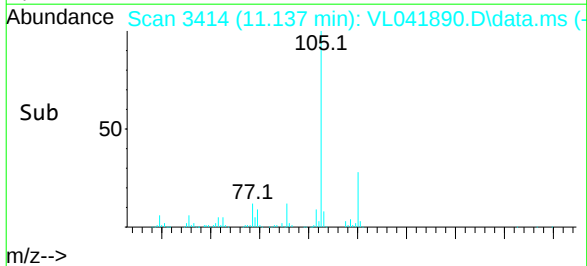
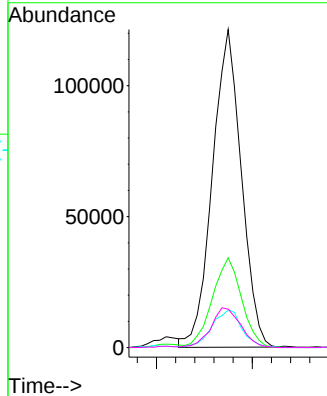
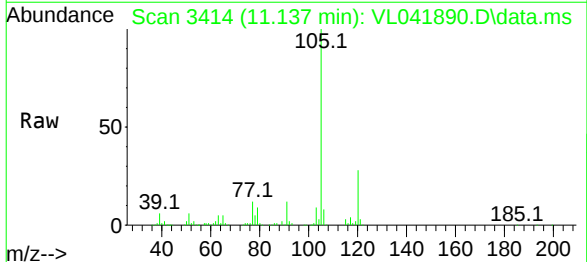
Manual Integrations
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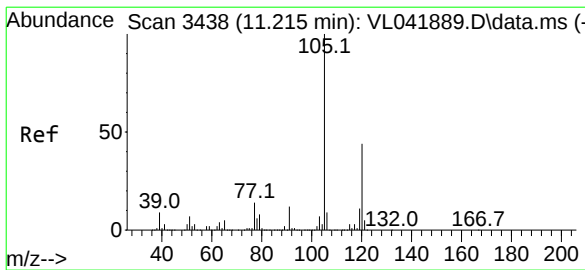
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#72
4-Ethyltoluene
Concen: 2.164 ppbv
RT: 11.137 min Scan# 3414
Delta R.T. -0.000 min
Lab File: VL041890.D
Acq: 14 Jan 2025 13:28

Tgt Ion:105 Resp: 127115
Ion Ratio Lower Upper
105 100
120 29.7 23.7 35.5
91 12.9 10.2 15.2
77 13.3 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 2.205 ppbv

RT: 11.215 min Scan# 3438

Delta R.T. -0.000 min

Lab File: VL041890.D

Acq: 14 Jan 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 114342

Ion Ratio Lower Upper

105 100

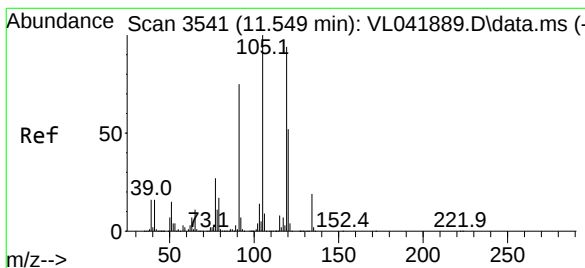
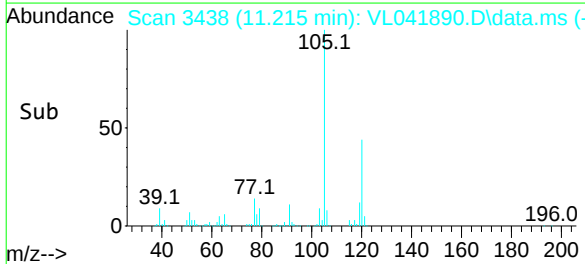
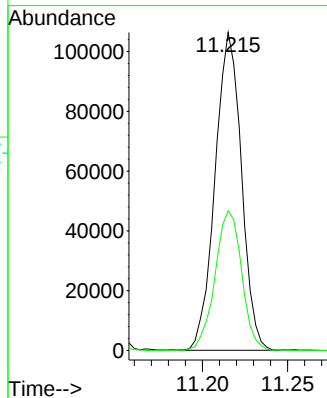
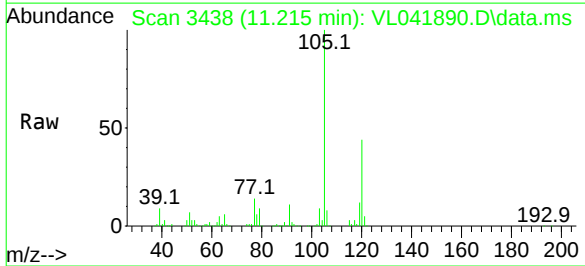
120 43.9 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.260 ppbv

RT: 11.548 min Scan# 3541

Delta R.T. -0.000 min

Lab File: VL041890.D

Acq: 14 Jan 2025 13:28

Tgt Ion:105 Resp: 126939

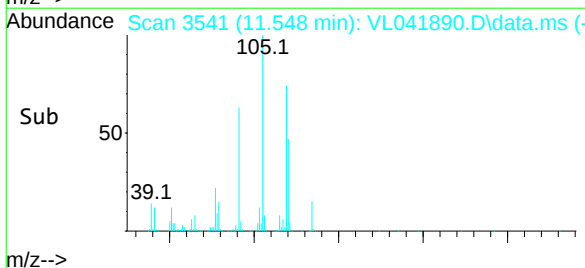
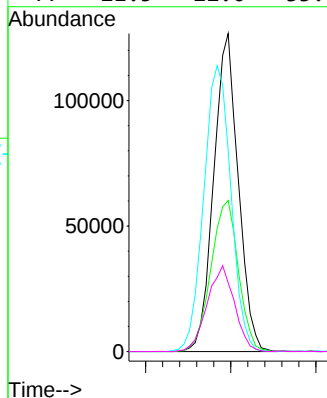
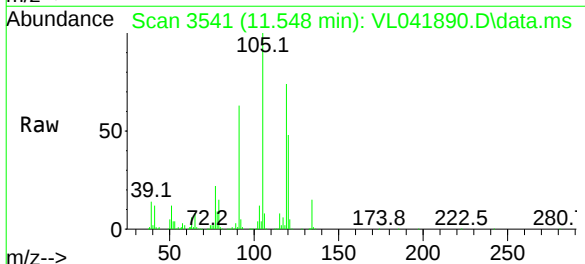
Ion Ratio Lower Upper

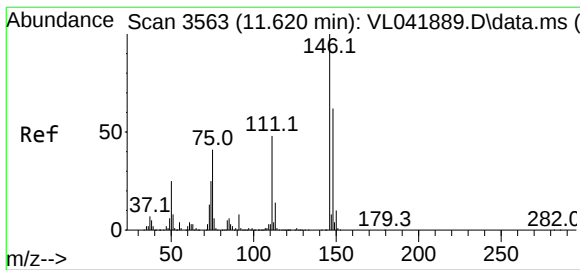
105 100

120 47.4 41.4 62.2

91 63.3 60.2 90.2

77 21.5 22.0 33.0#





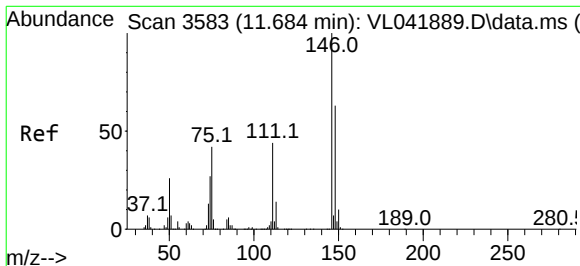
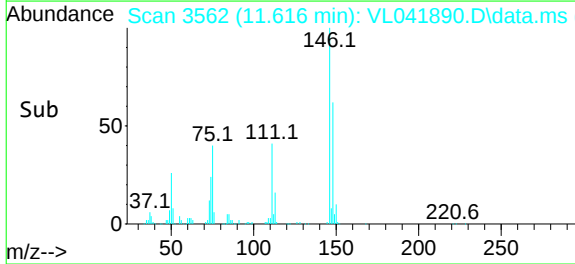
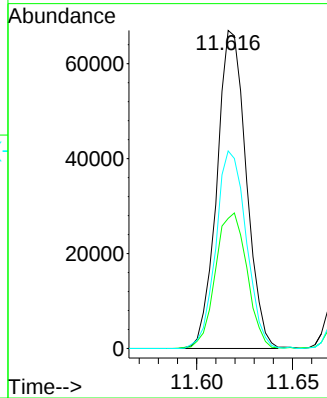
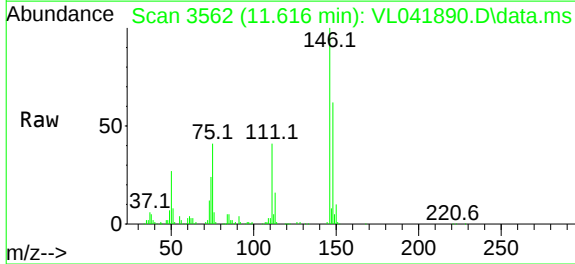
#75
 1,3-Dichlorobenzene
 Concen: 2.143 ppbv
 RT: 11.616 min Scan# 3562
 Delta R.T. -0.003 min
 Lab File: VL041890.D
 Acq: 14 Jan 2025 13:28

Instrument : MSVOA_L
 ClientSampleId : VSTDIC002

Tgt Ion:	146	Resp:	71332
Ion Ratio	Lower	Upper	
146	100		
111	45.8	23.6	70.8
148	64.3	31.4	94.0

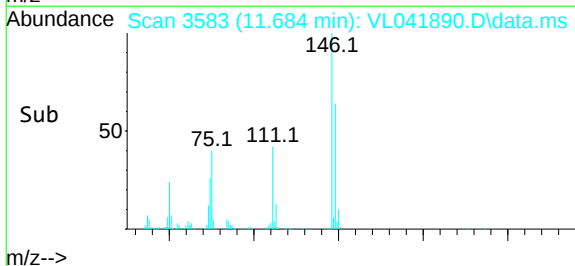
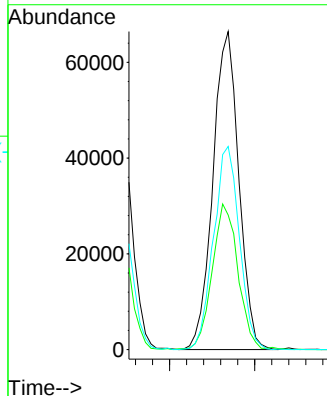
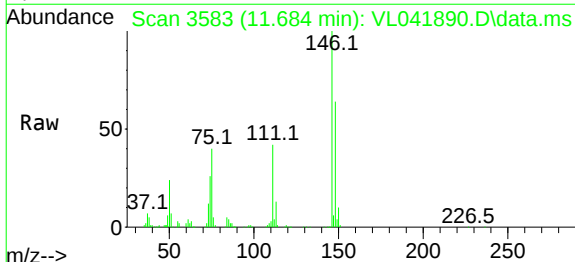
Manual Integrations
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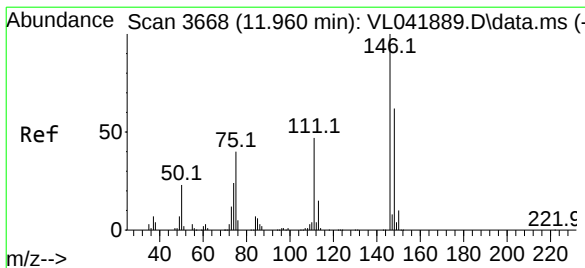
Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025



#76
 1,4-Dichlorobenzene
 Concen: 2.156 ppbv
 RT: 11.684 min Scan# 3583
 Delta R.T. -0.000 min
 Lab File: VL041890.D
 Acq: 14 Jan 2025 13:28

Tgt Ion:	146	Resp:	70219
Ion Ratio	Lower	Upper	
146	100		
111	45.7	22.4	67.0
148	63.9	31.9	95.5





#77

1,2-Dichlorobenzene

Concen: 2.177 ppbv

RT: 11.960 min Scan# 3668

Delta R.T. -0.000 min

Lab File: VL041890.D

Acq: 14 Jan 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

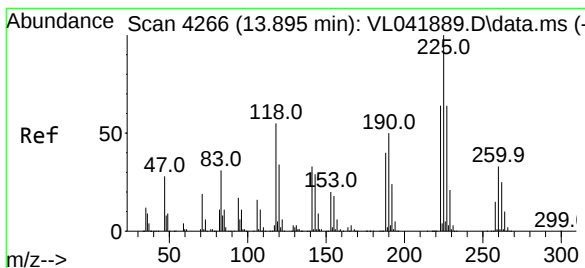
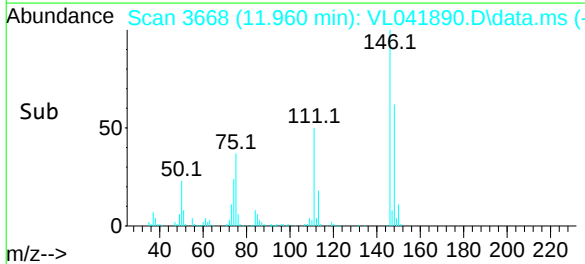
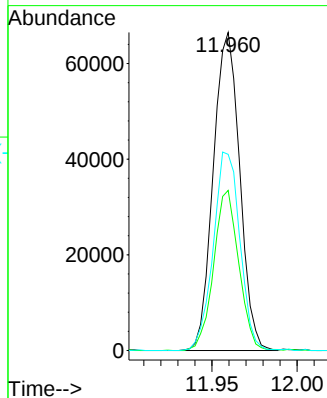
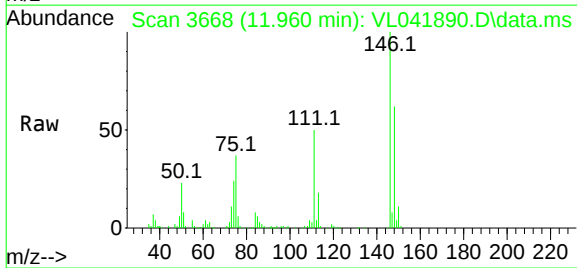
VSTDIC002

Tgt Ion:	146	Resp:	71818
Ion Ratio	Lower	Upper	
146	100		
111	48.1	24.2	72.6
148	63.2	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: 2.253 ppbv

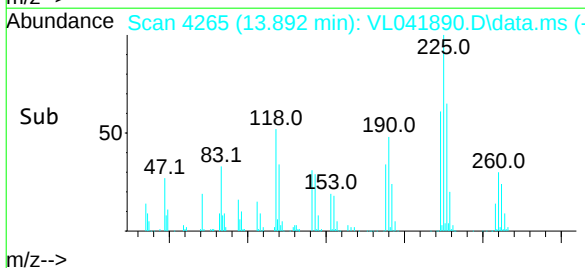
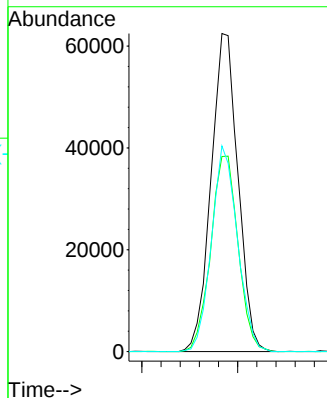
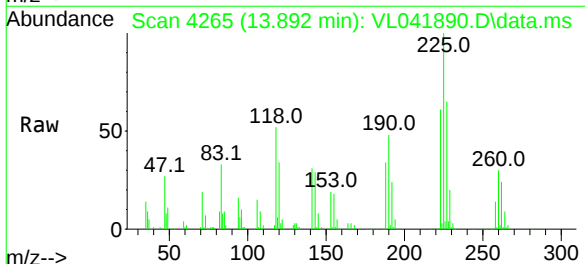
RT: 13.892 min Scan# 4265

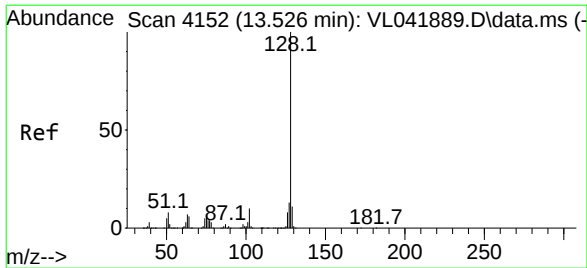
Delta R.T. -0.003 min

Lab File: VL041890.D

Acq: 14 Jan 2025 13:28

Tgt Ion:	225	Resp:	60984
Ion Ratio	Lower	Upper	
225	100		
223	62.5	50.8	76.2
227	62.4	50.3	75.5





#79

Naphthalene

Concen: 2.710 ppbv

RT: 13.526 min Scan# 4152

Delta R.T. -0.000 min

Lab File: VL041890.D

Acq: 14 Jan 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

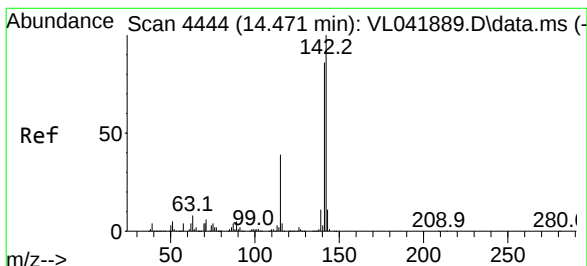
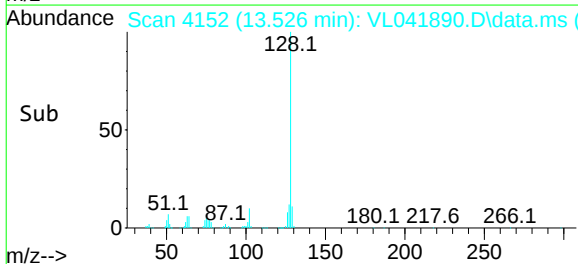
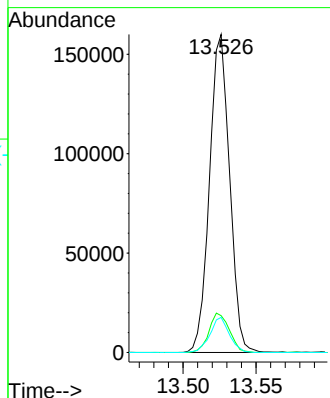
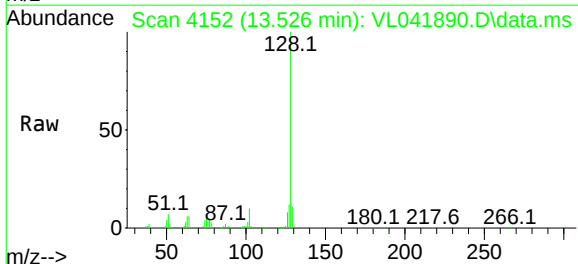
VSTDIC002

Tgt Ion:	128	Resp:	153268
Ion	Ratio	Lower	Upper
128	100		
127	11.6	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: 3.391 ppbv

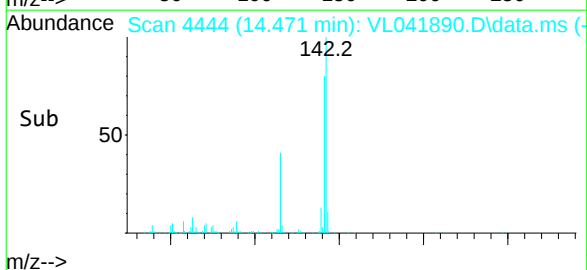
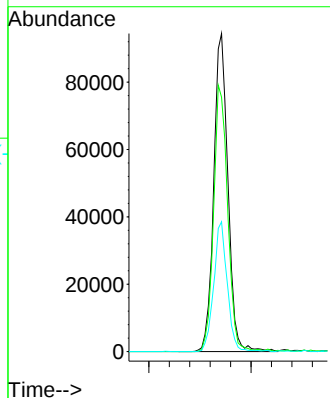
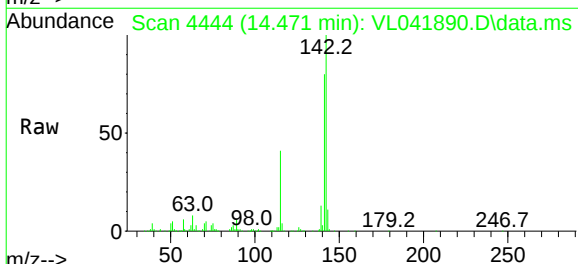
RT: 14.471 min Scan# 4444

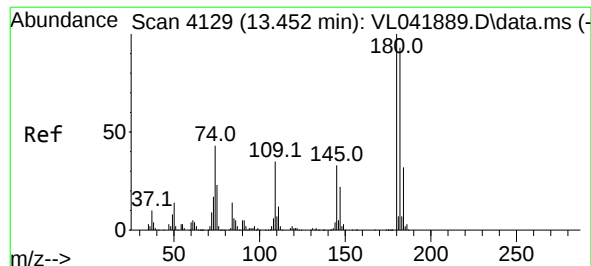
Delta R.T. -0.000 min

Lab File: VL041890.D

Acq: 14 Jan 2025 13:28

Tgt Ion:	142	Resp:	90910
Ion	Ratio	Lower	Upper
142	100		
141	83.7	68.1	102.1
115	39.2	31.7	47.5





#81

1,2,4-Trichlorobenzene

Concen: 2.342 ppbv

RT: 13.452 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041890.D

Acq: 14 Jan 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:180 Resp: 64653

Ion Ratio Lower Upper

180 100

182 99.1 77.0 115.6

184 31.4 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025

