

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041891.D
 Acq On : 14 Jan 2025 13:59
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Jan 14 21:20:45 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	151226	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	453418	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	393836	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 312013 10.058 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.502	85	21262	1.032	ppbv	95
3) Chlorodifluoromethane	1.479	51	23396	1.084	ppbv	100
4) Chloromethane	1.534	50	7546	0.974	ppbv	94
5) Vinyl Chloride	1.583	62	8031	1.023	ppbv	97
6) Bromomethane	1.674	94	4139	1.107	ppbv #	81
7) Chloroethane	1.709	64	3093	1.013	ppbv	92
8) Dichlorotetrafluoroethane	1.557	85	18122	1.007	ppbv	100
9) Propene	1.486	41	8719	0.981	ppbv	93
10) Heptane	5.001	43	24438	1.029	ppbv	96
11) Trichlorofluoromethane	1.884	101	21425	1.000	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	17187	1.023	ppbv	95
13) Ethanol	1.725	45	650	0.998	ppbv #	29
14) Bromoethene	1.787	108	6736	1.096	ppbv #	88
15) Acetone	1.842	43	19681	1.084	ppbv	95
16) 1,3-Butadiene	1.612	39	8901	1.092	ppbv	98
17) tert-Butyl alcohol	2.049	59	23571	1.054	ppbv	95
18) 1,1-Dichloroethene	2.039	96	7819m	1.033	ppbv	
19) Isopropyl Alcohol	1.894	45	11054	1.026	ppbv #	32
20) Methylene Chloride	2.065	84	7608	1.060	ppbv #	89
21) Allyl Chloride	2.101	41	12451	0.990	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	8819	1.032	ppbv	96
23) Vinyl Acetate	2.470	43	7181	0.908	ppbv #	93
24) 1,1-Dichloroethane	2.415	63	16623	1.006	ppbv	97
25) Ethyl Acetate	2.845	43	50690	1.035	ppbv	98
26) Hexane	2.836	57	18893	0.975	ppbv	86
27) Carbon Disulfide	2.156	76	18993	0.991	ppbv #	23
28) Methyl tert-Butyl Ether	2.450	73	17955	1.213	ppbv	98
29) Chloroform	2.858	83	31155	1.017	ppbv	97
30) Cyclohexane	3.871	84	18048	1.074	ppbv	96
31) cis-1,2-Dichloroethene	2.729	61	21124	1.036	ppbv	99
32) 1,1,1-Trichloroethane	3.383	97	30396	1.037	ppbv	98
34) 2-Butanone	2.570	43	29280	1.015	ppbv	99
35) Carbon Tetrachloride	3.774	117	27946	0.979	ppbv	96
36) Benzene	3.671	78	43023	1.035	ppbv	93
37) 1,2-Dichloroethane	3.230	62	23402	1.002	ppbv	98
38) Trichloroethene	4.564	130	16954m	1.027	ppbv	
39) 1,2-Dichloropropane	4.331	63	14570	0.999	ppbv	98
40) 1,4-Dioxane	4.613	88	7345m	0.998	ppbv	
41) Tetrahydrofuran	3.075	42	15580m	0.991	ppbv	
42) Bromodichloromethane	4.509	83	29893m	0.955	ppbv	
43) Methyl Methacrylate	4.901	69	15222	0.985	ppbv	95
44) 2,2,4-Trimethylpentane	4.661	57	68050	1.012	ppbv	98
45) t-1,3-Dichloropropene	6.438	75	13220	0.914	ppbv	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041891.D
 Acq On : 14 Jan 2025 13:59
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 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Jan 14 21:20:45 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	5.626	75	17749	0.935	ppbv	97
47) 1,1,2-Trichloroethane	6.603	97	15658m	1.013	ppbv	
48) Dibromochloromethane	7.402	129	22169	0.929	ppbv	100
49) Bromoform	9.497	173	17876	0.912	ppbv	100
50) 4-Methyl-2-Pentanone	5.787	43	39436m	1.004	ppbv	
51) 2-Hexanone	7.464	43	28999	0.959	ppbv #	95
52) Tetrachloroethene	8.244	164	14903	1.034	ppbv #	80
53) Toluene	6.956	91	45140m	0.996	ppbv	
54) 1,2-Dibromoethane	7.668	107	21202	0.997	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.937	131	20255	1.031	ppbv	94
57) Chlorobenzene	8.933	112	38141	1.050	ppbv	98
58) Ethyl Benzene	9.367	91	61537	1.000	ppbv	99
59) m/p-Xylene	9.561	91	99618m	2.016	ppbv	
60) o-Xylene	9.972	91	48888	0.998	ppbv	98
61) Styrene	9.882	104	20285	0.923	ppbv	99
62) Isopropylbenzene	10.549	105	75801	1.000	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.972	83	33289	1.080	ppbv	97
64) n-propylbenzene	11.002	120	19511	1.019	ppbv	99
65) tert-Butylbenzene	11.539	119	70183	1.016	ppbv	98
66) Benzyl Chloride	11.626	91	3681m	0.861	ppbv	
67) sec-Butylbenzene	11.778	105	96749	1.018	ppbv	97
69) p-Isopropyltoluene	11.937	119	79283	1.013	ppbv	98
70) n-Butylbenzene	12.290	91	80664	1.039	ppbv	99
71) 2-Chlorotoluene	10.911	91	55540	0.991	ppbv	99
72) 4-Ethyltoluene	11.134	105	56973	0.973	ppbv	97
73) 1,3,5-Trimethylbenzene	11.215	105	53550	1.035	ppbv	97
74) 1,2,4-Trimethylbenzene	11.545	105	57352	1.024	ppbv	96
75) 1,3-Dichlorobenzene	11.617	146	34810	1.049	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	33822	1.041	ppbv	97
77) 1,2-Dichlorobenzene	11.960	146	35516	1.080	ppbv	98
78) Hexachloro-1,3-Butadiene	13.892	225	29210	1.082	ppbv	99
79) Naphthalene	13.523	128	66232	1.174	ppbv	98
80) Naphthalene,2-methyl-	14.468	142	28506	1.066	ppbv	98
81) 1,2,4-Trichlorobenzene	13.452	180	29053	1.055	ppbv	99

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

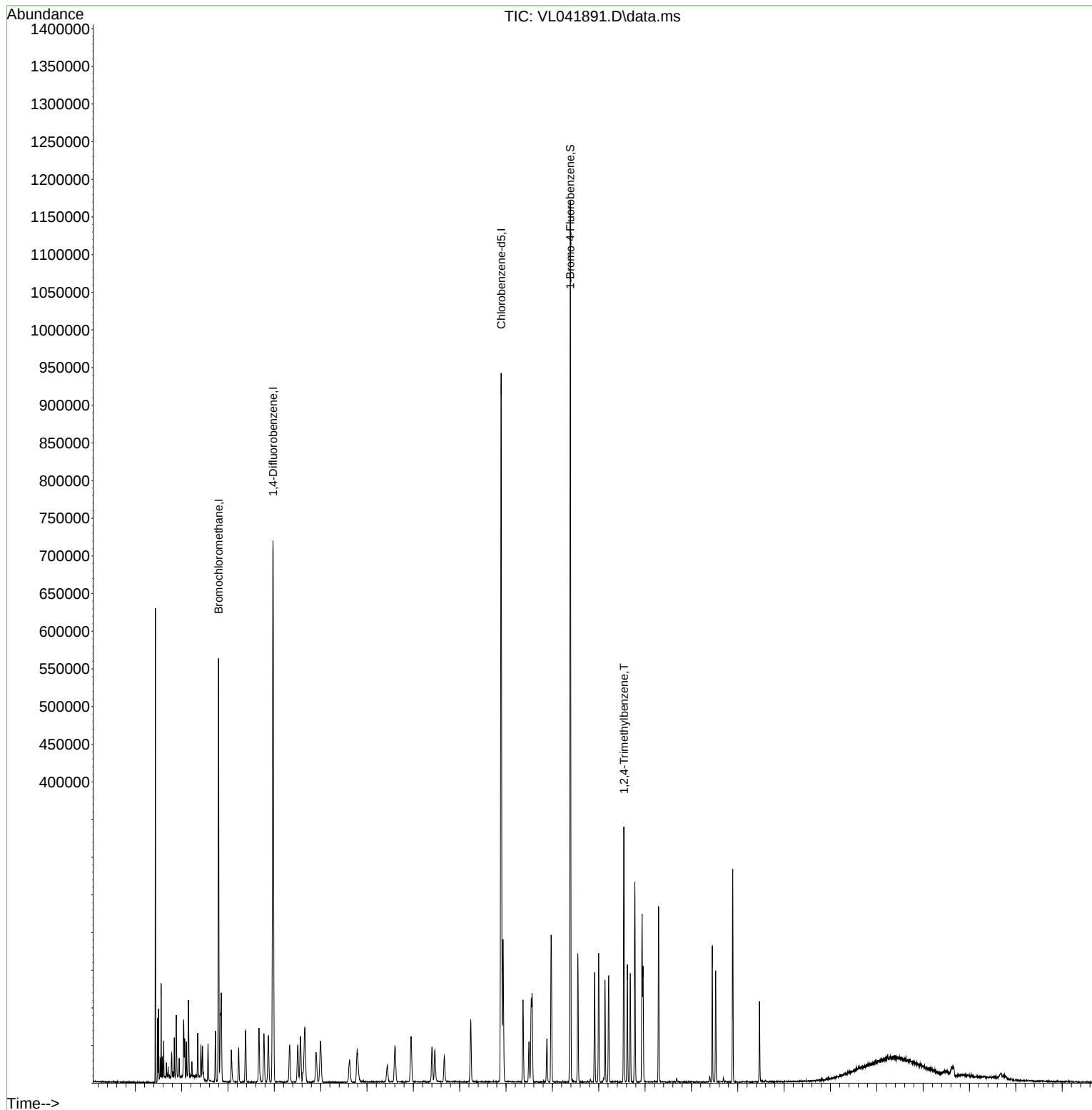
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041891.D
Acq On : 14 Jan 2025 13:59
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

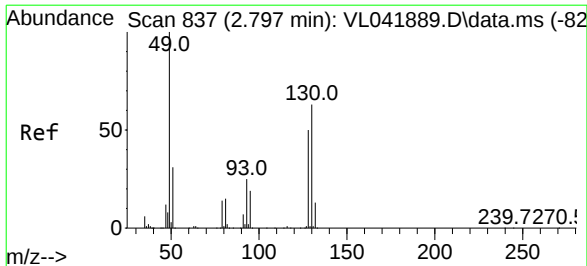
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 14 16:31:18 2025
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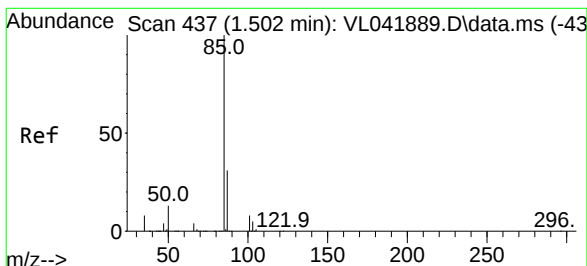
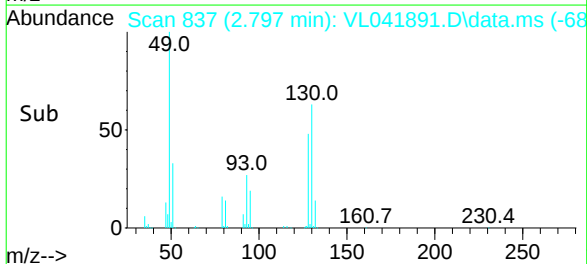
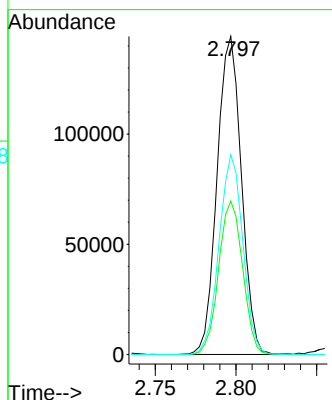
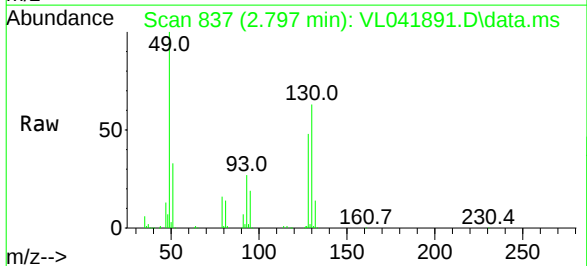
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 837
Delta R.T. -0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 49 Resp: 151226
Ion Ratio Lower Upper
49 100
128 47.6 24.3 73.0
130 61.4 31.1 93.2

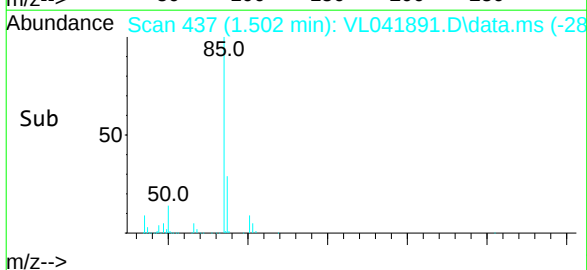
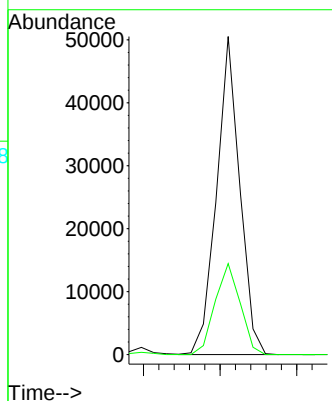
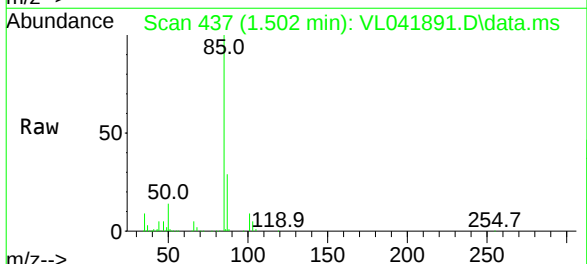
Manual Integrations
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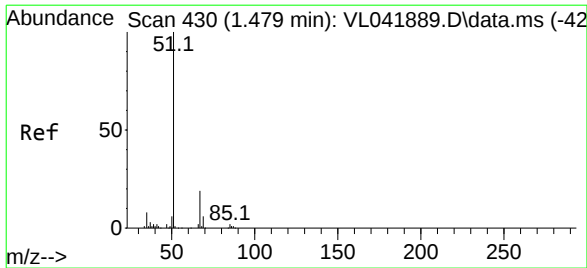
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#2
Dichlorodifluoromethane
Concen: 1.032 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 85 Resp: 21262
Ion Ratio Lower Upper
85 100
87 28.6 24.9 37.3





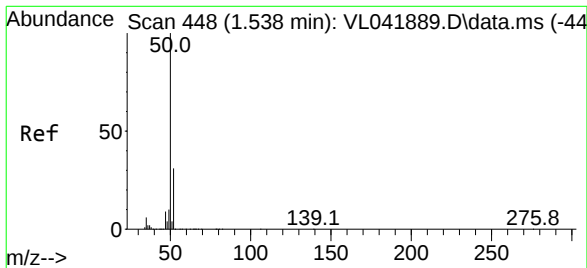
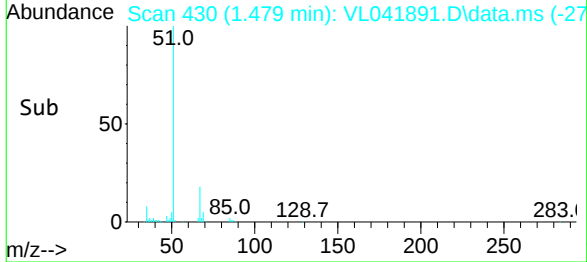
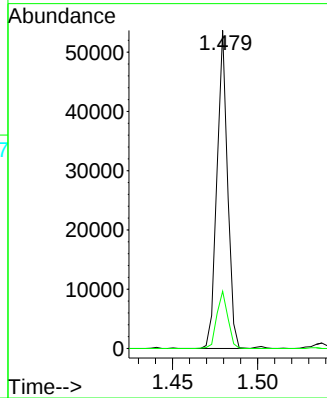
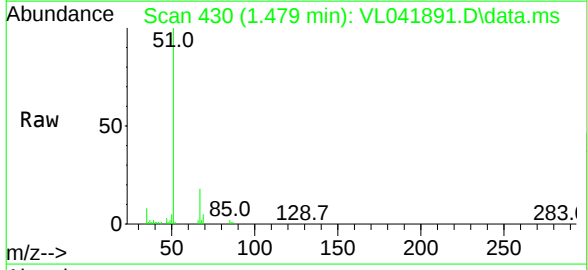
#3
Chlorodifluoromethane
Concen: 1.084 ppbv
RT: 1.479 min Scan# 431
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 23396
Ion Ratio Lower Upper
51 100
67 18.6 15.0 22.4

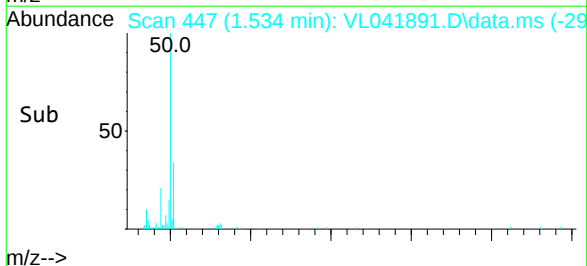
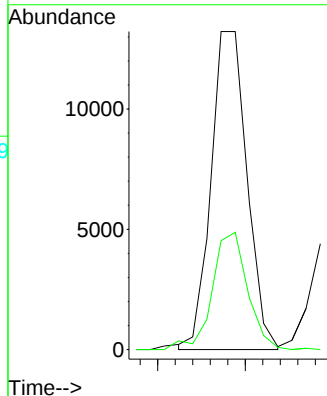
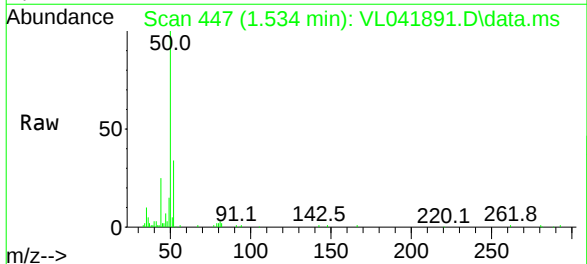
Manual Integrations
APPROVED

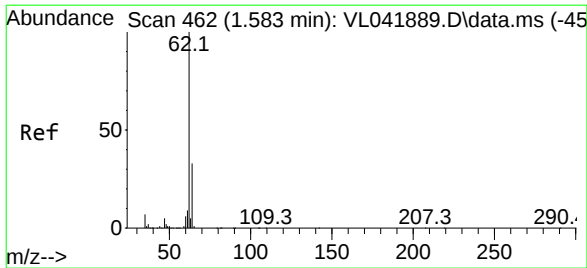
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#4
Chloromethane
Concen: 0.974 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

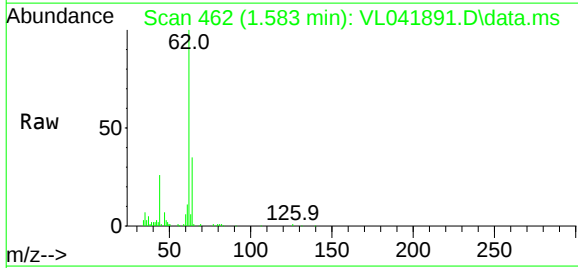
Tgt Ion: 50 Resp: 7546
Ion Ratio Lower Upper
50 100
52 33.9 24.6 36.8





#5
 Vinyl Chloride
 Concen: 1.023 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

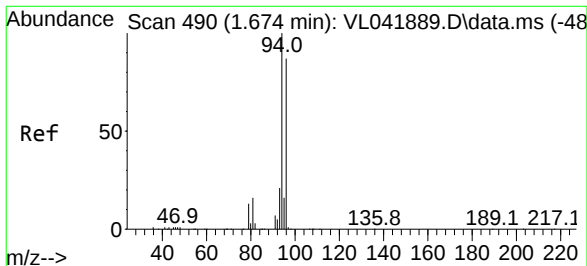
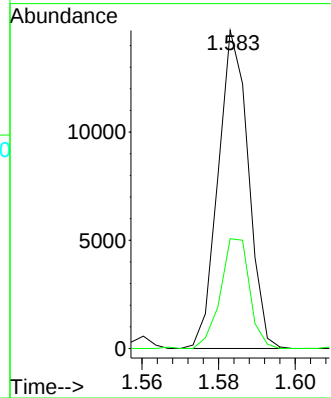
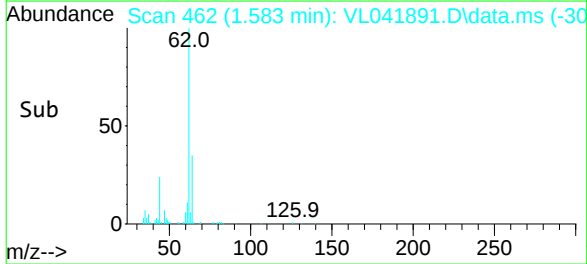
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



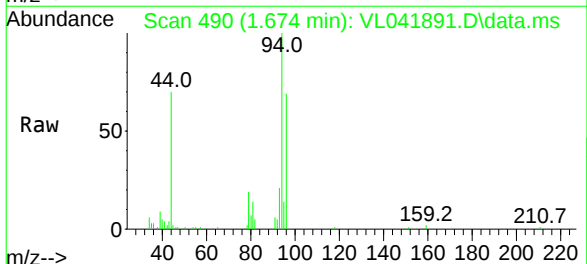
Tgt Ion: 62 Resp: 8031
 Ion Ratio Lower Upper
 62 100
 64 34.5 26.1 39.1

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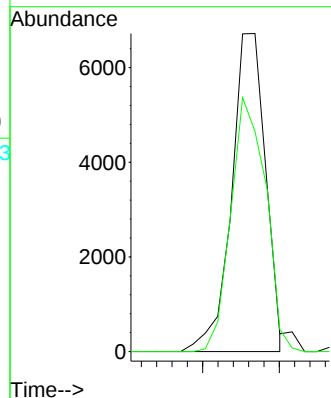
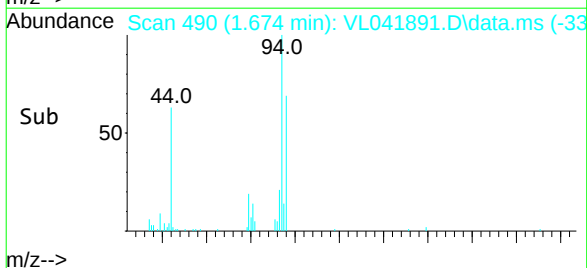
Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025

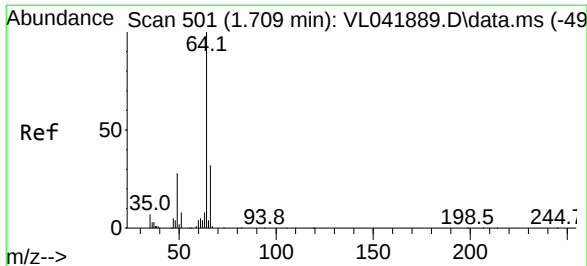


#6
 Bromomethane
 Concen: 1.107 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.000 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59



Tgt Ion: 94 Resp: 4139
 Ion Ratio Lower Upper
 94 100
 96 69.2 69.5 104.3#





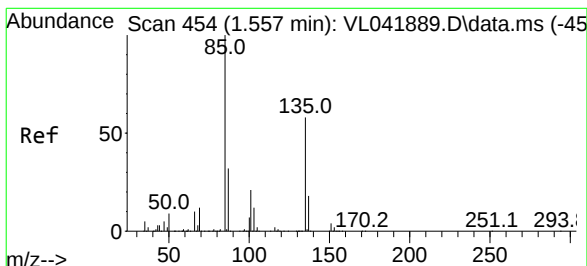
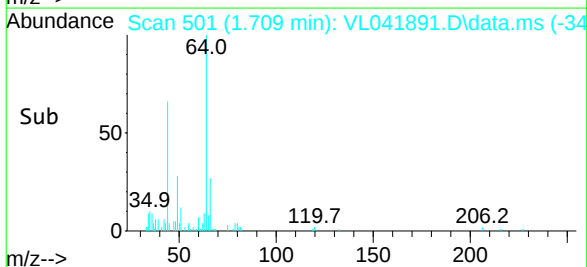
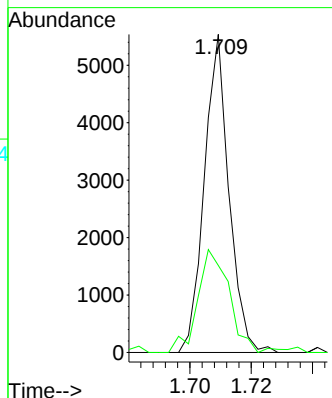
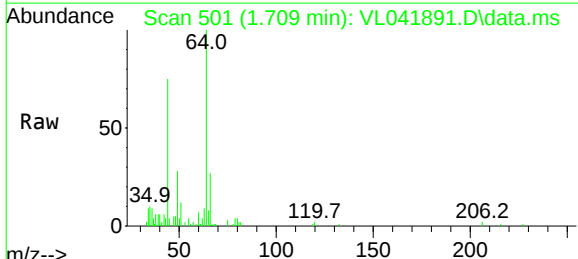
#7
Chloroethane
Concen: 1.013 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 64 Resp: 3093
Ion Ratio Lower Upper
64 100
66 27.4 25.7 38.5

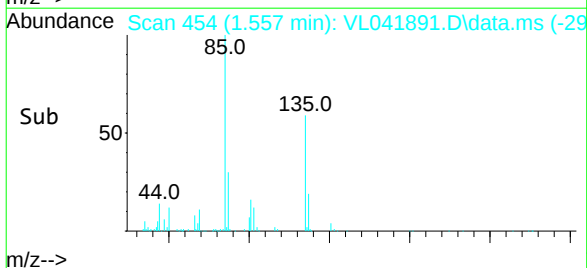
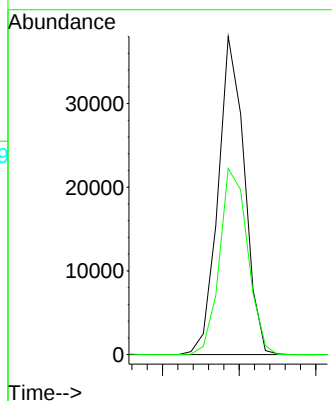
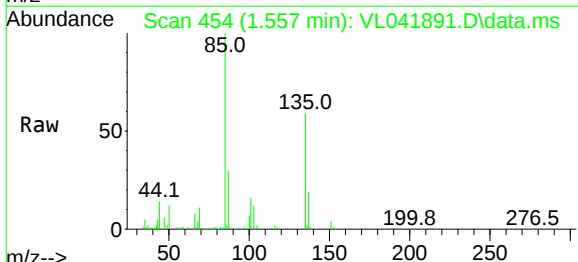
Manual Integrations
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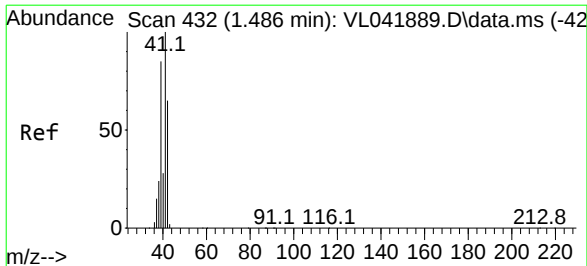
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#8
Dichlorotetrafluoroethane
Concen: 1.007 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

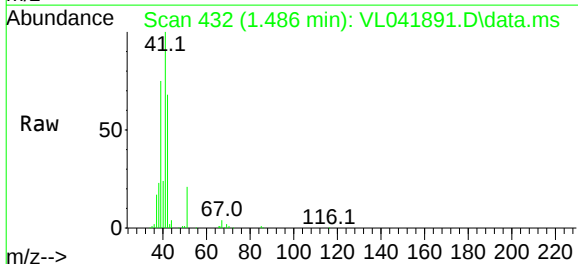
Tgt Ion: 85 Resp: 18122
Ion Ratio Lower Upper
85 100
135 62.8 50.0 75.0





#9
Propene
Concen: 0.981 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

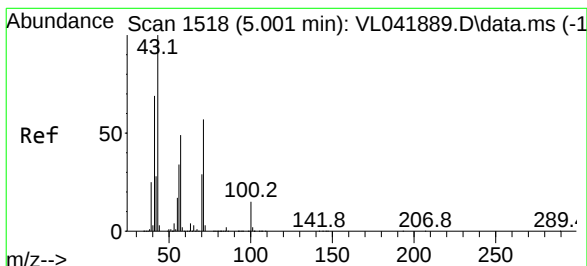
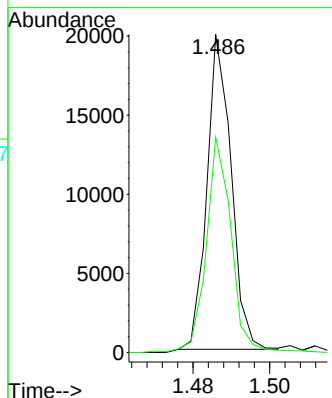
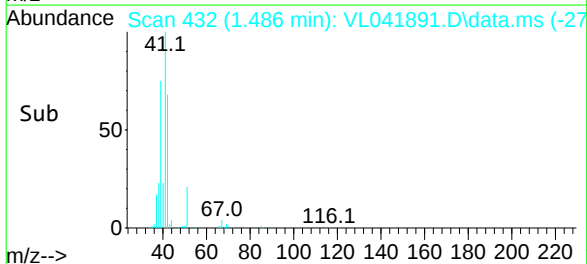
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 41 Resp: 8719
Ion Ratio Lower Upper
41 100
42 70.4 52.0 78.0

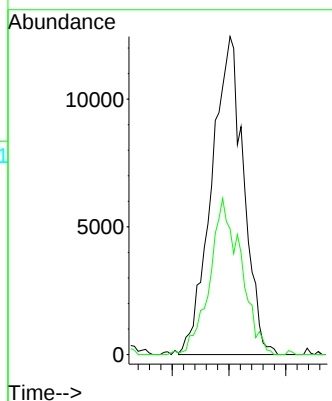
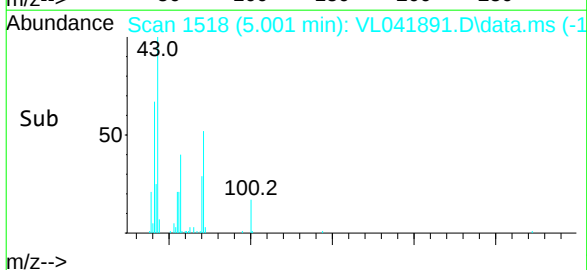
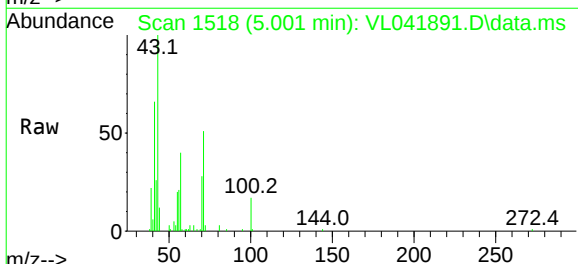
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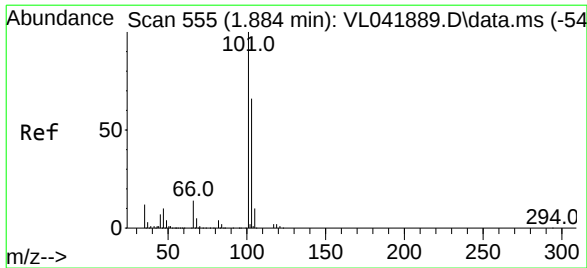
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#10
Heptane
Concen: 1.029 ppbv
RT: 5.001 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

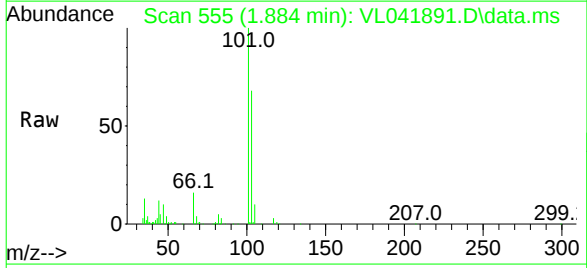
Tgt Ion: 43 Resp: 24438
Ion Ratio Lower Upper
43 100
57 48.1 41.0 61.4





#11
Trichlorofluoromethane
Concen: 1.000 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

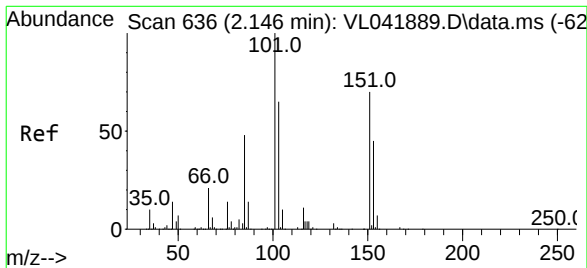
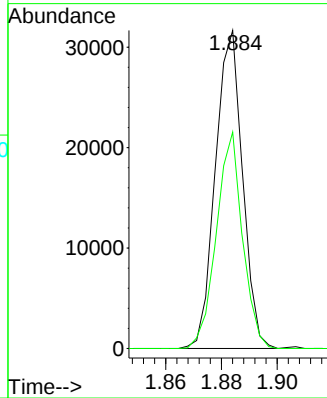
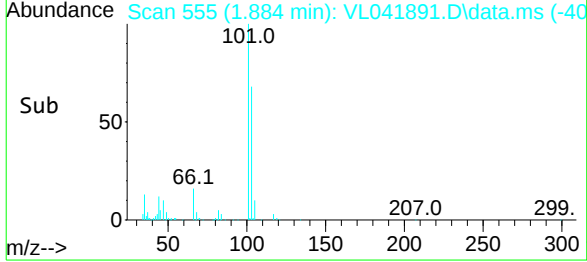
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



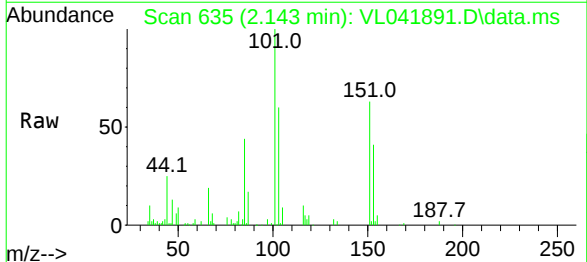
Tgt Ion:101 Resp: 21425
Ion Ratio Lower Upper
101 100
103 68.0 53.1 79.7

Manual Integrations
APPROVED

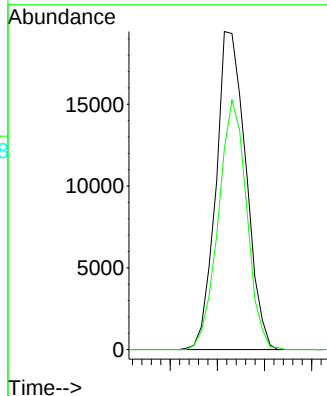
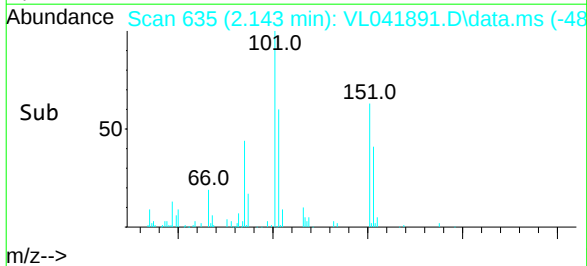
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

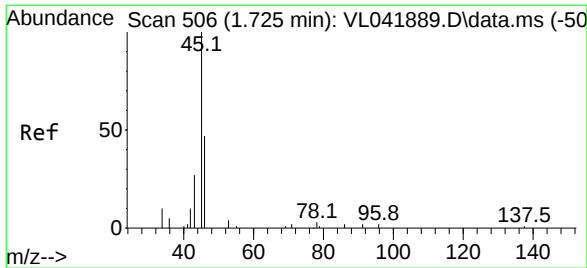


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.023 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59



Tgt Ion:101 Resp: 17187
Ion Ratio Lower Upper
101 100
151 74.1 56.1 84.1





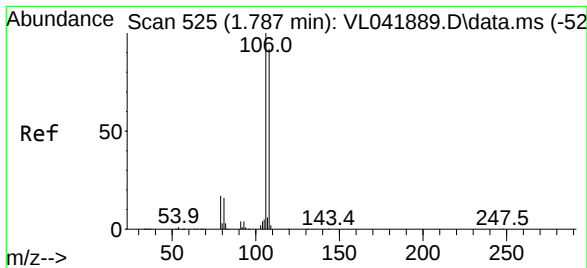
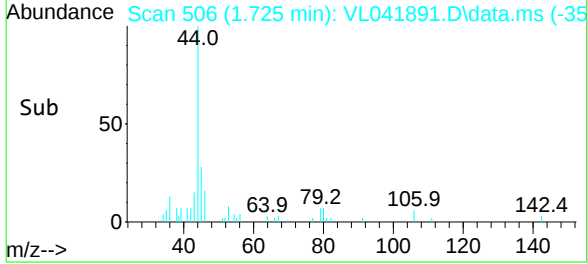
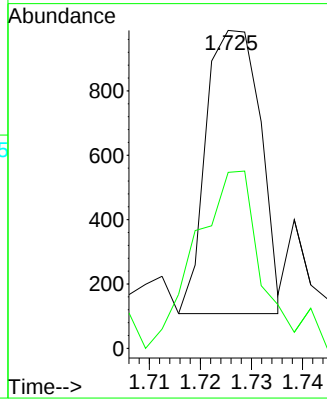
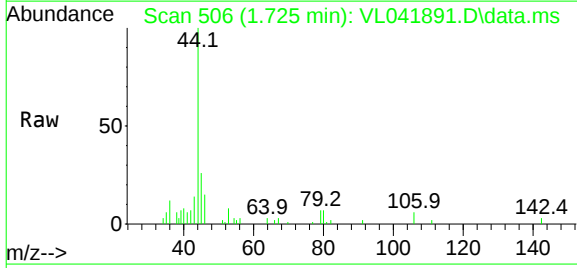
#13
Ethanol
Concen: 0.998 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 650
Ion Ratio Lower Upper
45 100
46 91.8 18.1 72.5#

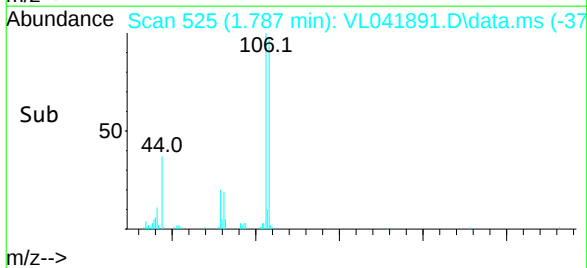
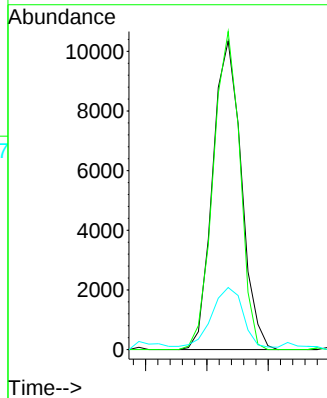
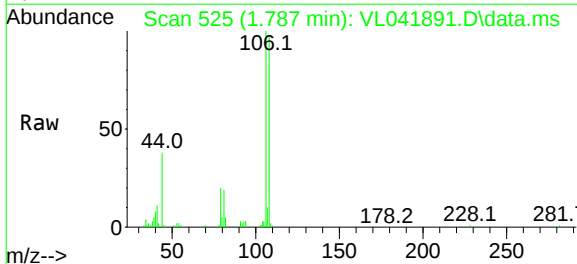
Manual Integrations
APPROVED

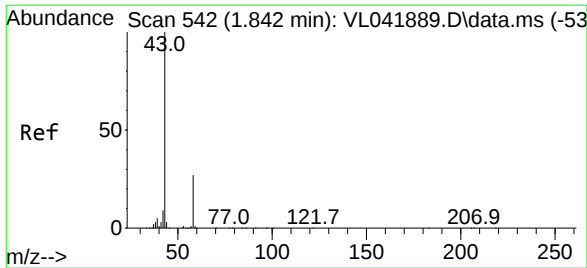
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#14
Bromoethene
Concen: 1.096 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

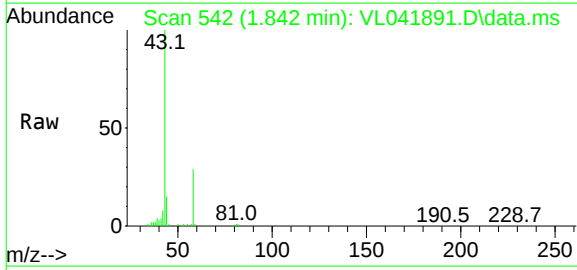
Tgt Ion:108 Resp: 6736
Ion Ratio Lower Upper
108 100
106 96.0 85.5 128.3
79 27.1 15.3 22.9#





#15
Acetone
Concen: 1.084 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

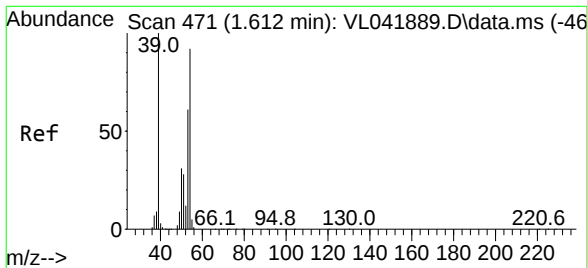
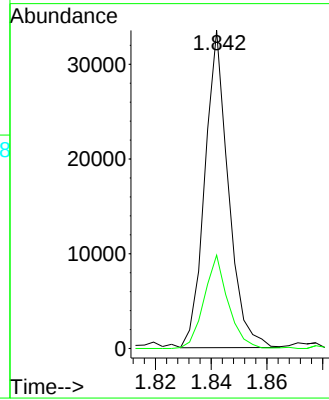
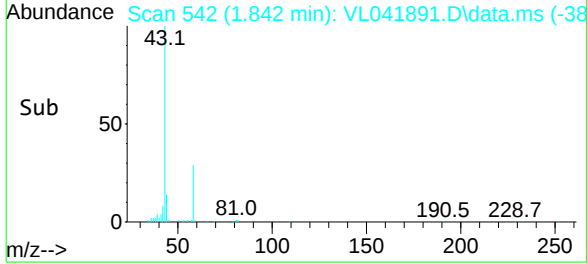
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 43 Resp: 19681
Ion Ratio Lower Upper
43 100
58 30.1 21.9 32.9

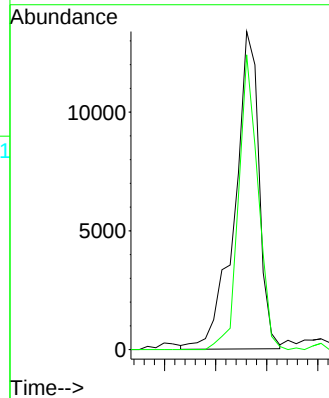
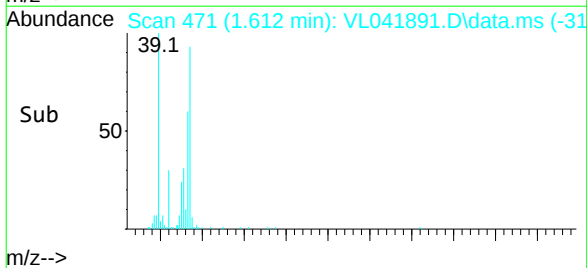
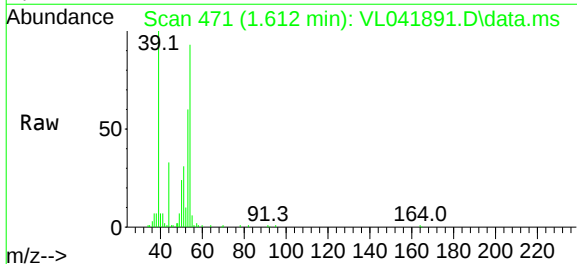
Manual Integrations
APPROVED

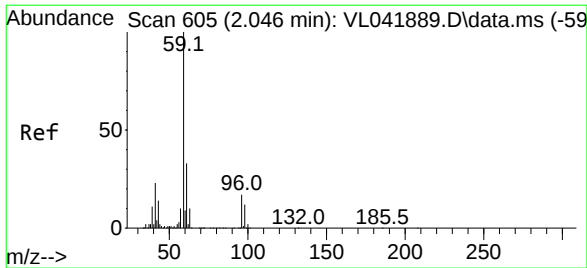
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#16
1,3-Butadiene
Concen: 1.092 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 39 Resp: 8901
Ion Ratio Lower Upper
39 100
54 74.9 61.6 92.4





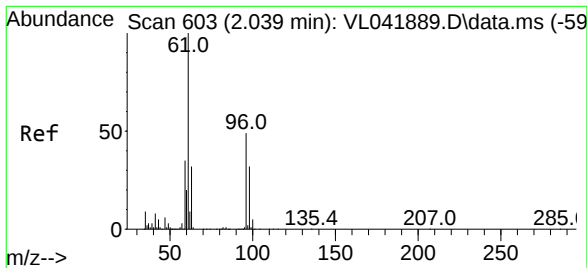
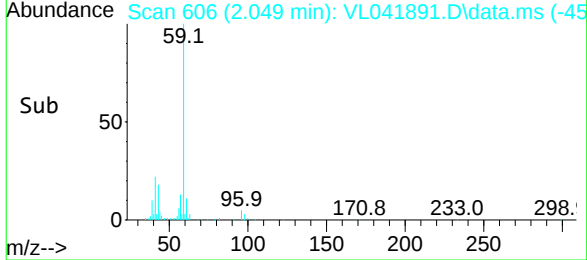
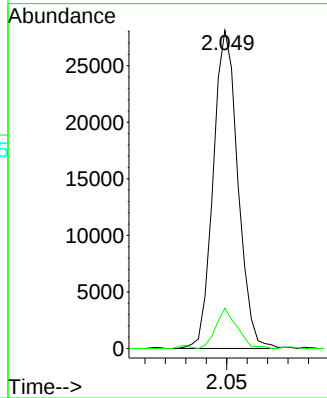
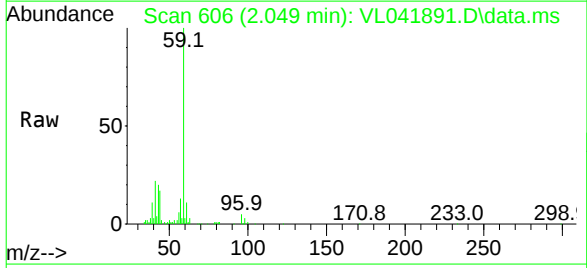
#17
tert-Butyl alcohol
Concen: 1.054 ppbv
RT: 2.049 min Scan# 605
Delta R.T. 0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 23571
Ion Ratio Lower Upper
59 100
57 11.6 7.8 11.8

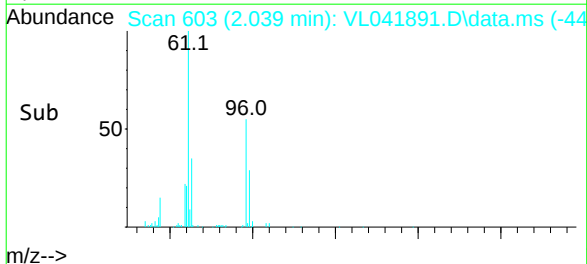
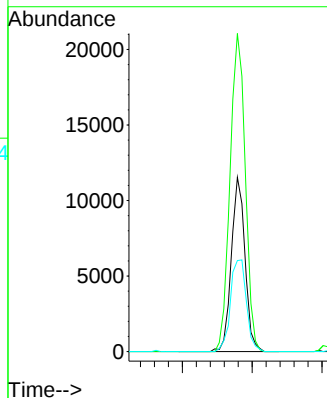
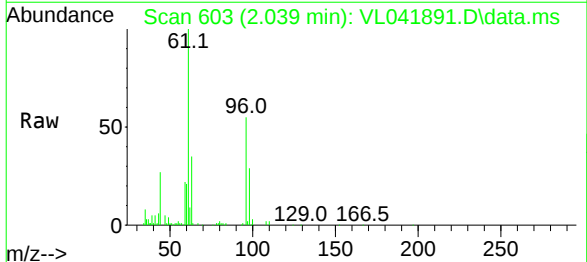
Manual Integrations
APPROVED

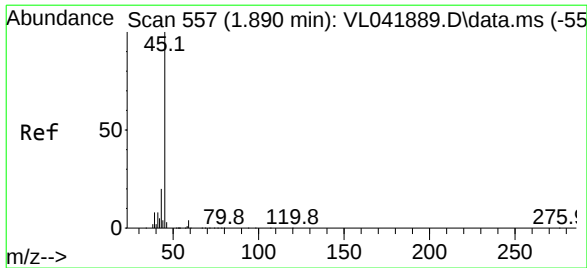
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#18
1,1-Dichloroethene
Concen: 1.033 ppbv m
RT: 2.039 min Scan# 603
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 96 Resp: 7819
Ion Ratio Lower Upper
96 100
61 182.5 163.1 244.7
98 52.2 52.7 79.1#





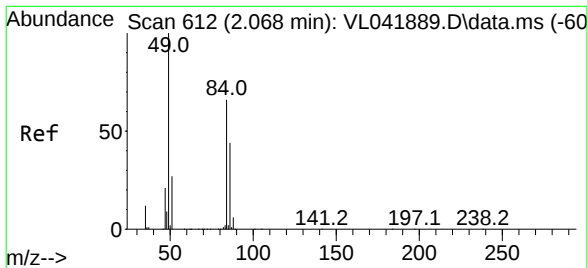
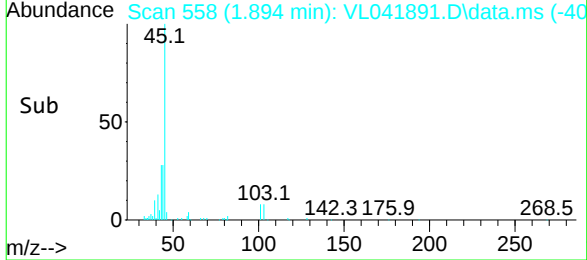
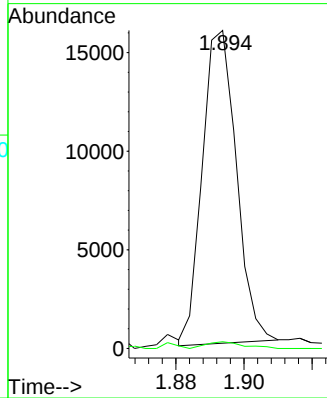
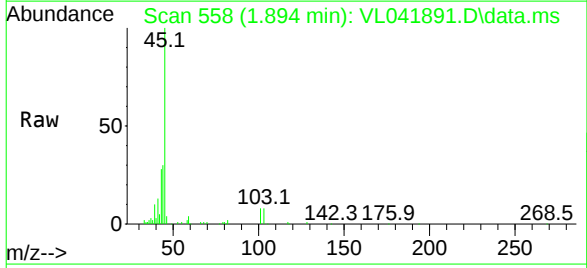
#19
Isopropyl Alcohol
Concen: 1.026 ppbv
RT: 1.894 min Scan# 557
Delta R.T. 0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 11054
Ion Ratio Lower Upper
45 100
58 0.0 35.0 52.6#

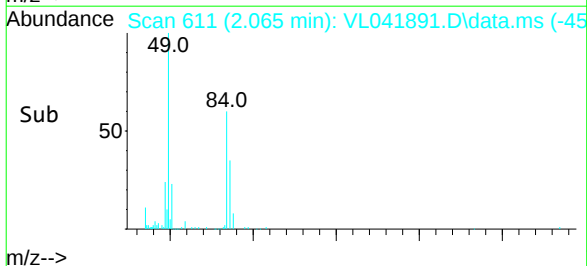
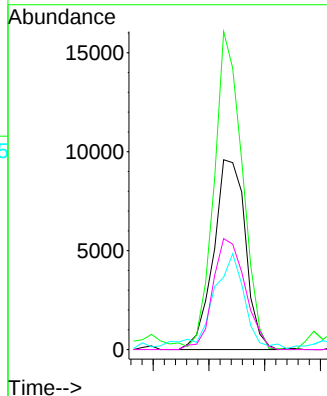
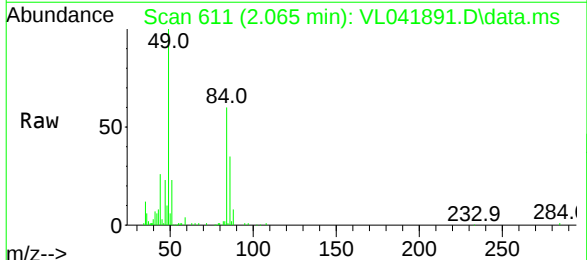
Manual Integrations
APPROVED

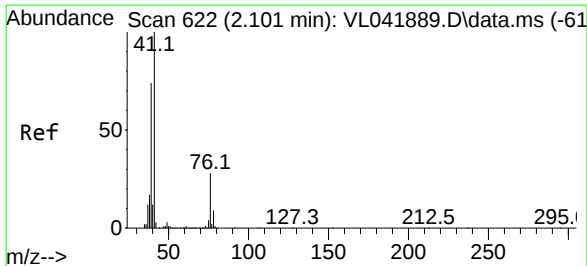
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#20
Methylene Chloride
Concen: 1.060 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 84 Resp: 7608
Ion Ratio Lower Upper
84 100
49 167.0 123.1 184.7
51 35.2 35.8 53.8#
86 58.5 53.7 80.5





#21

Allyl Chloride

Concen: 0.990 ppbv

RT: 2.101 min Scan# 62

Delta R.T. 0.000 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

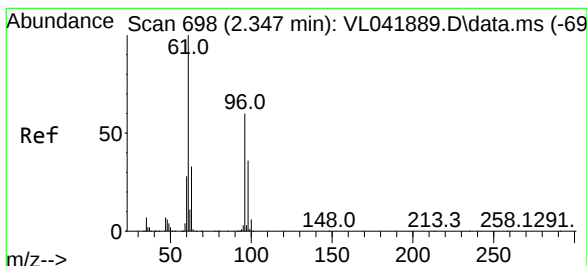
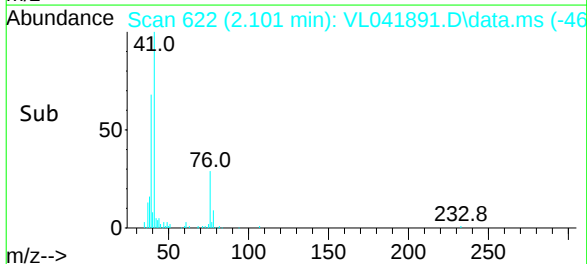
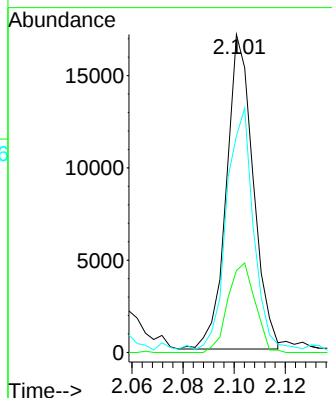
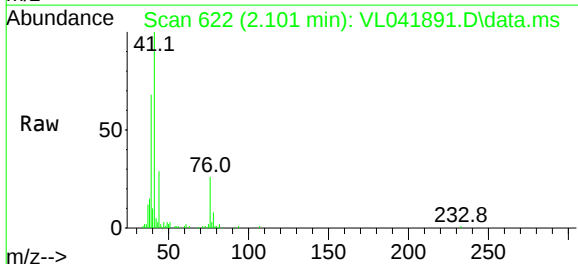
ClientSampleId :

VSTDIC001

Tgt Ion:	41	Resp:	12451
Ion	Ratio	Lower	Upper
41	100		
76	28.9	24.2	36.4
39	77.1	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: 1.032 ppbv

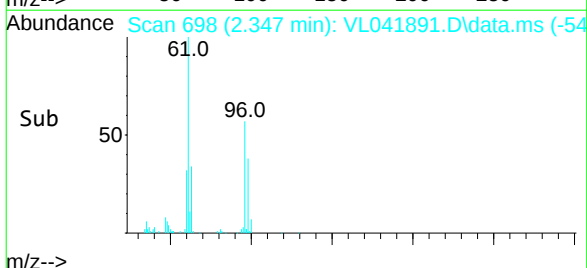
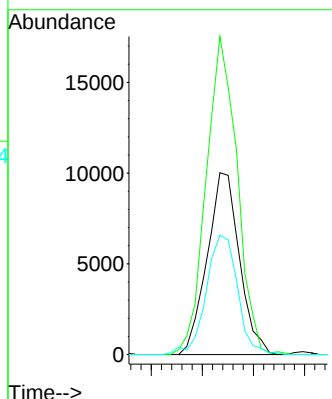
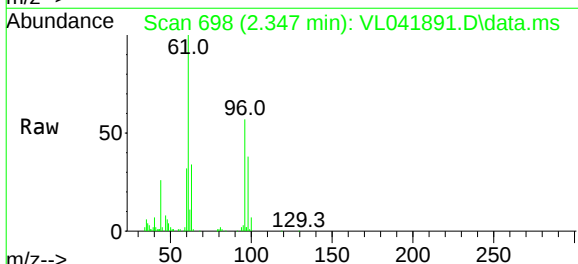
RT: 2.347 min Scan# 698

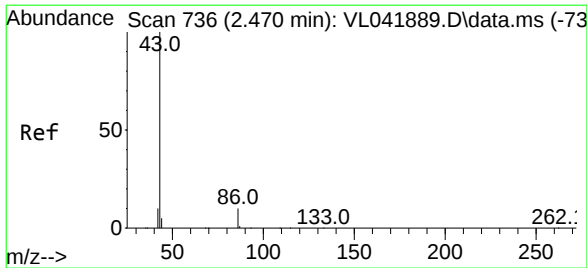
Delta R.T. 0.000 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Tgt Ion:	96	Resp:	8819
Ion	Ratio	Lower	Upper
96	100		
61	173.3	134.5	201.7
98	64.7	48.9	73.3





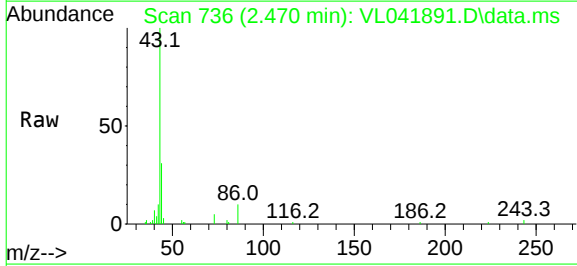
#23
 Vinyl Acetate
 Concen: 0.908 ppbv
 RT: 2.470 min Scan# 736
 Delta R.T. 0.000 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

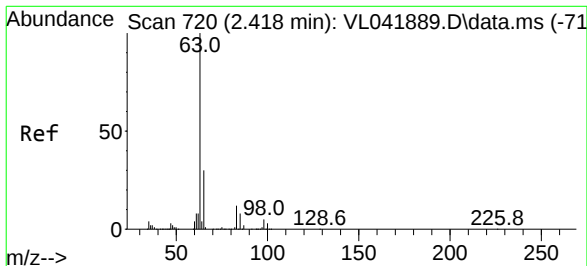
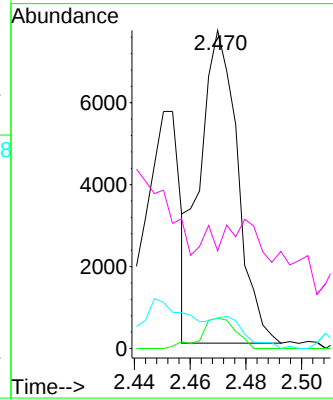
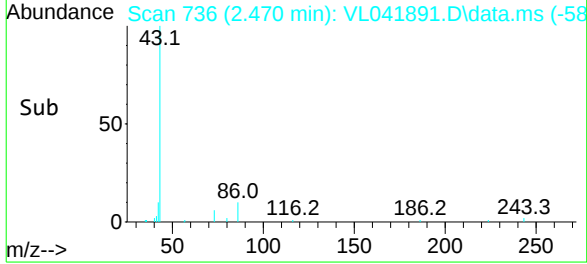


Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.7	6.2	9.4
42	9.7	8.5	12.7
44	0.2	4.8	7.2

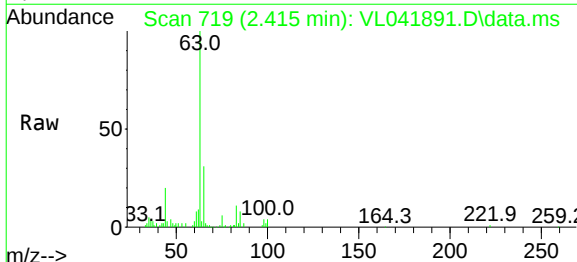
Manual Integrations

APPROVED

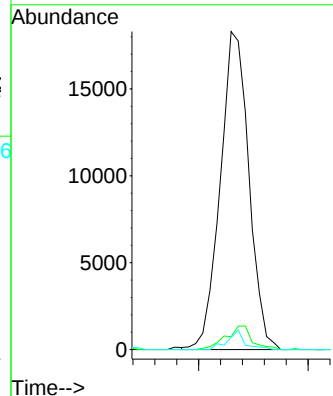
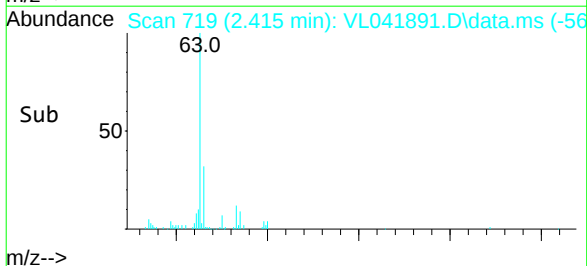
Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025

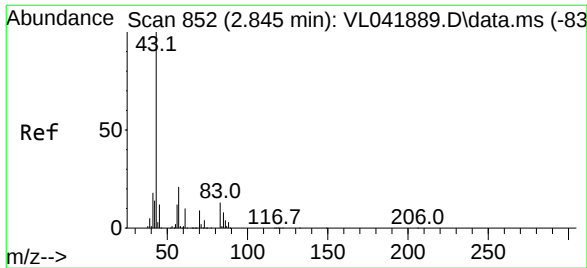


#24
 1,1-Dichloroethane
 Concen: 1.006 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59



Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.6	7.8
100	3.9	1.4	4.2





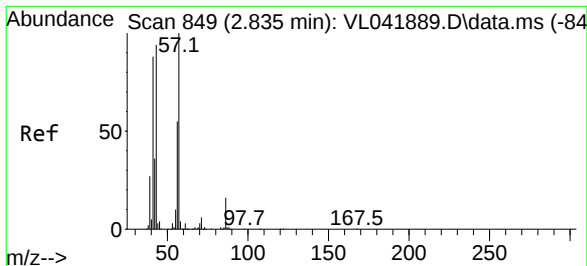
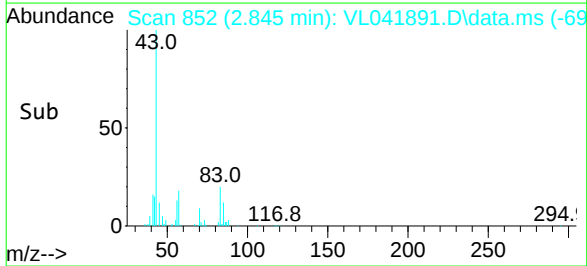
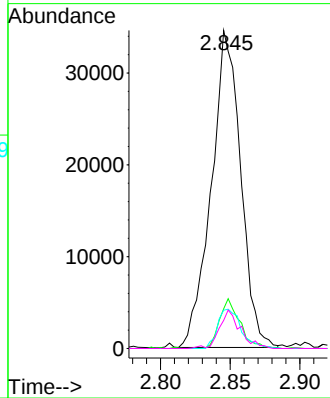
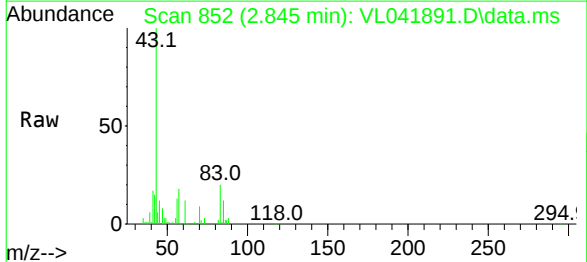
#25
Ethyl Acetate
Concen: 1.035 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.2	12.2
61	10.0	7.4	11.0
70	8.7	7.0	10.4

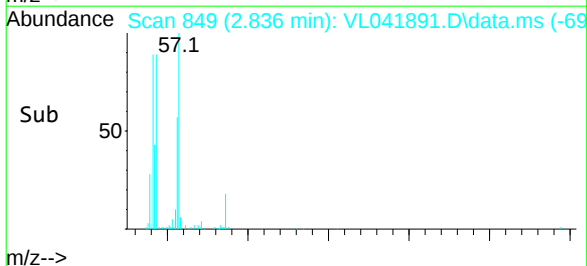
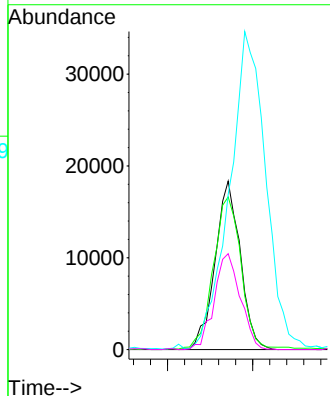
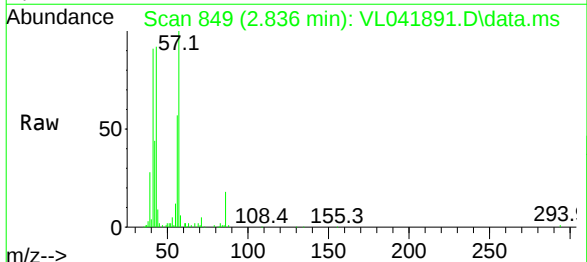
Manual Integrations
APPROVED

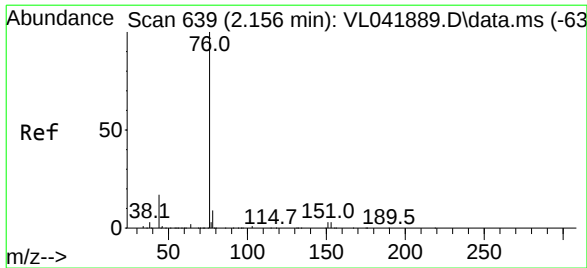
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#26
Hexane
Concen: 0.975 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion	Ratio	Lower	Upper
57	100		
41	101.0	73.8	110.8
43	276.9	197.3	295.9
56	59.2	42.7	64.1





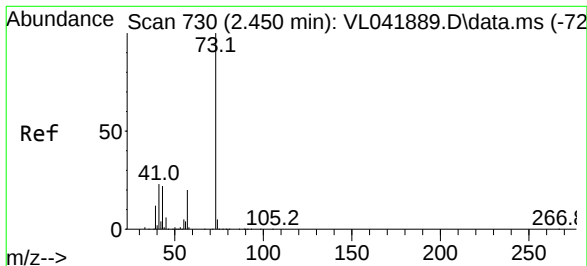
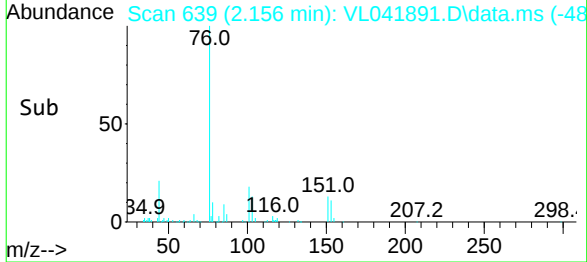
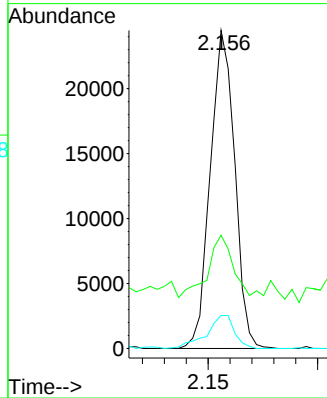
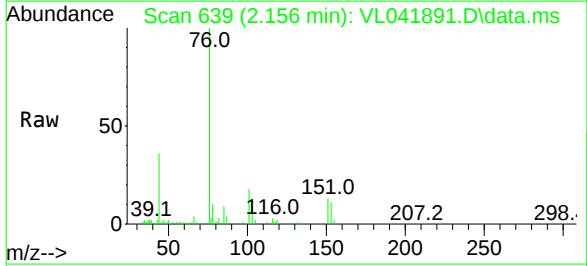
#27
Carbon Disulfide
Concen: 0.991 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion	Ratio	Lower	Upper
76	100		
44	75.3	15.4	23.0
78	11.9	9.3	13.9

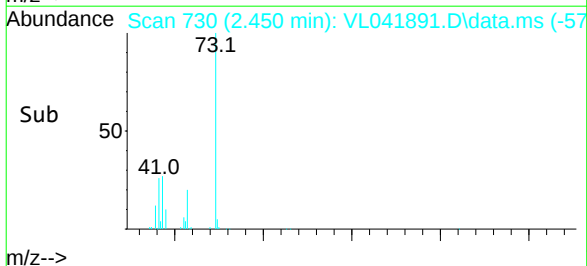
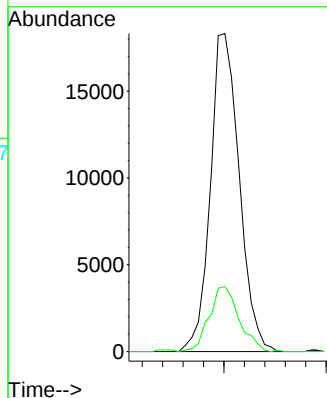
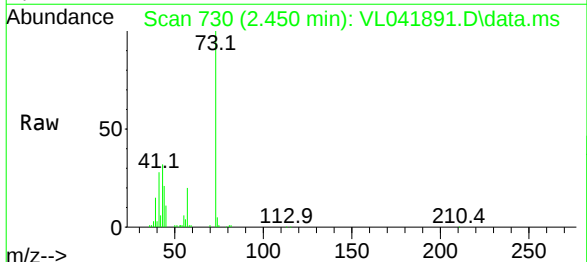
Manual Integrations
APPROVED

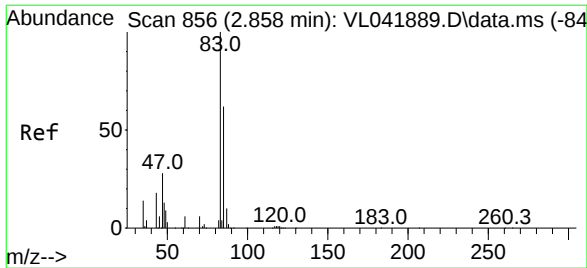
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#28
Methyl tert-Butyl Ether
Concen: 1.213 ppbv
RT: 2.450 min Scan# 730
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.1	27.1





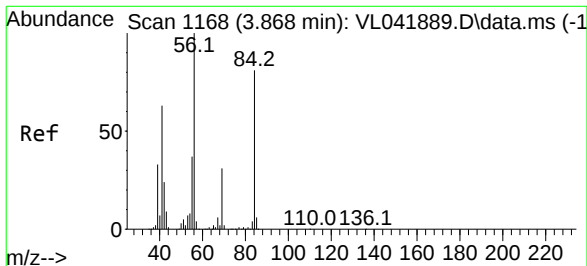
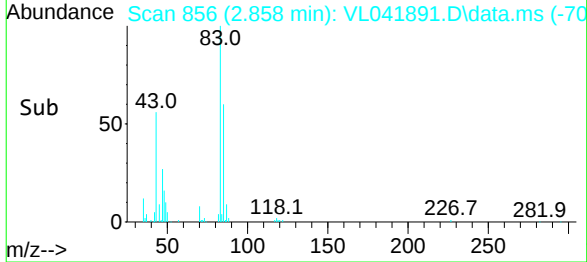
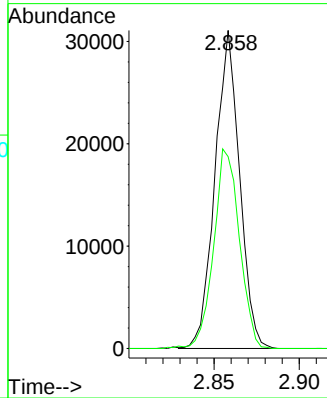
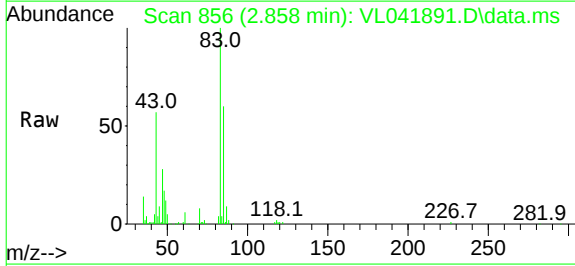
#29
Chloroform
Concen: 1.017 ppbv
RT: 2.858 min Scan# 85
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 31155
Ion Ratio Lower Upper
83 100
85 60.3 50.1 75.1

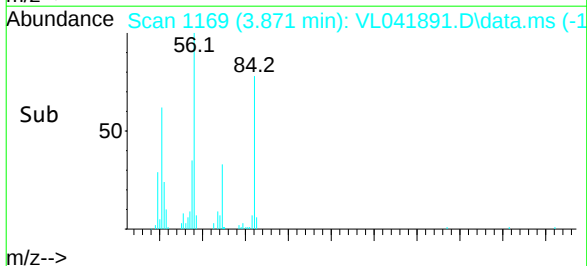
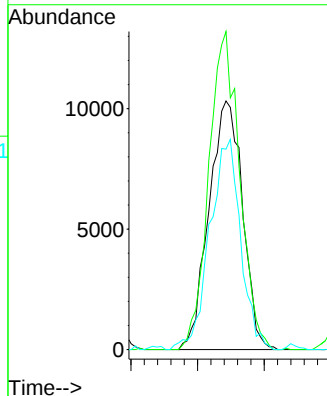
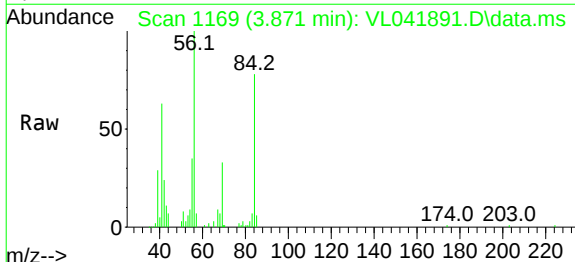
Manual Integrations
APPROVED

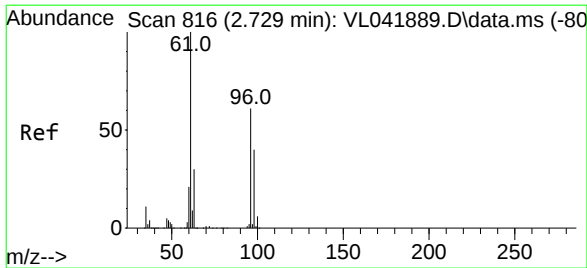
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#30
Cyclohexane
Concen: 1.074 ppbv
RT: 3.871 min Scan# 1169
Delta R.T. 0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 84 Resp: 18048
Ion Ratio Lower Upper
84 100
56 117.7 99.3 148.9
41 78.0 64.3 96.5





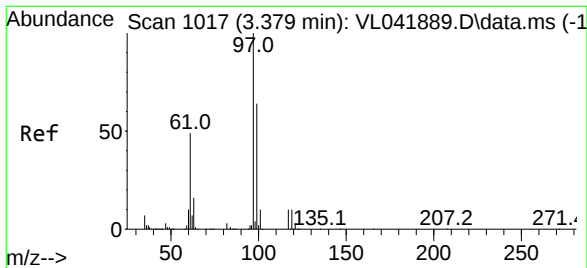
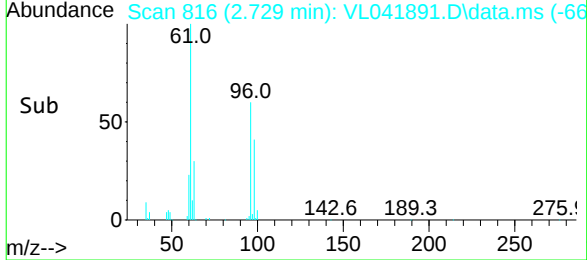
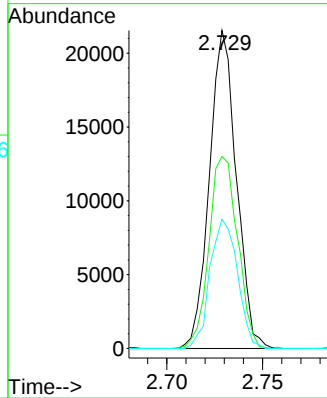
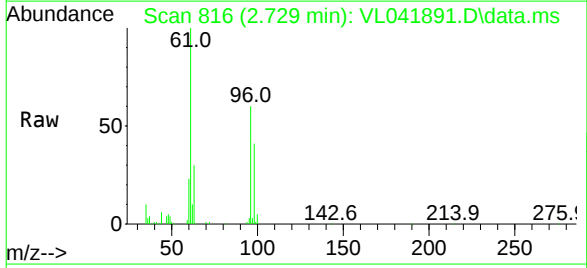
#31
cis-1,2-Dichloroethene
Concen: 1.036 ppbv
RT: 2.729 min Scan# 816
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion	Ratio	Lower	Upper
61	100		
96	60.0	48.7	73.1
98	40.7	31.6	47.4

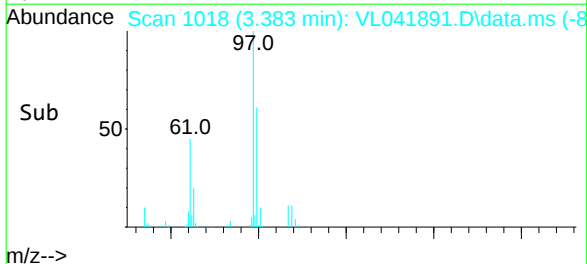
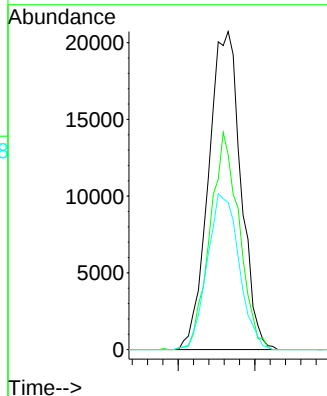
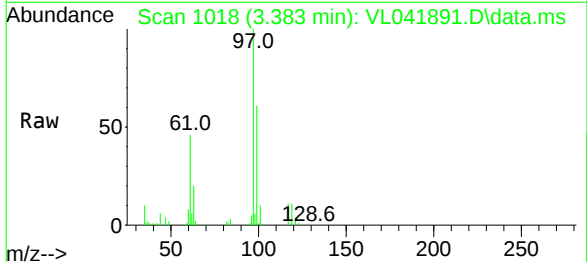
Manual Integrations
APPROVED

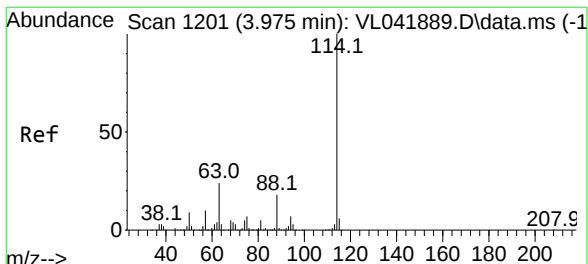
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#32
1,1,1-Trichloroethane
Concen: 1.037 ppbv
RT: 3.383 min Scan# 1018
Delta R.T. 0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.4	51.1	76.7
61	48.1	39.0	58.6





#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.972 min Scan# 1201
 Delta R.T. -0.003 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

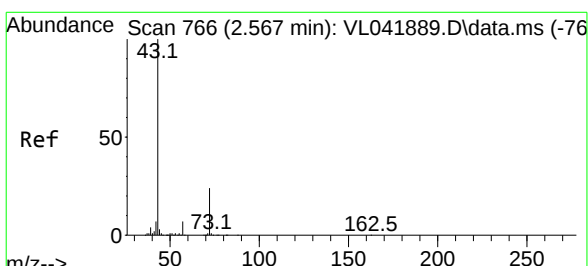
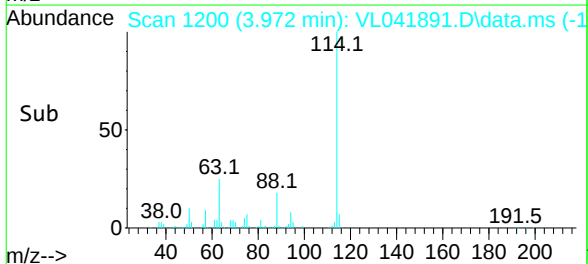
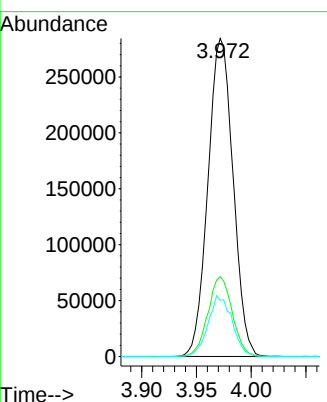
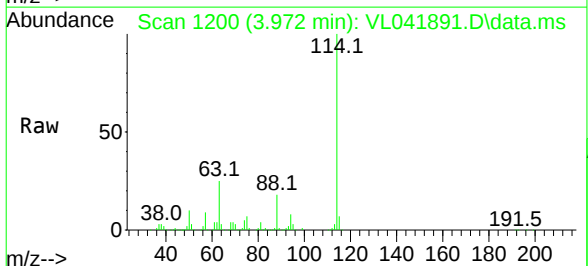
VSTDIC001

Tgt Ion: 114 Resp: 453418

Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.8	29.6
88	18.3	14.4	21.6

Manual Integrations
 APPROVED

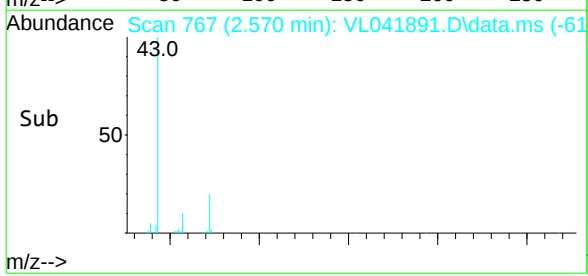
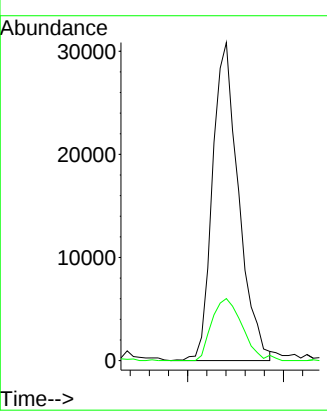
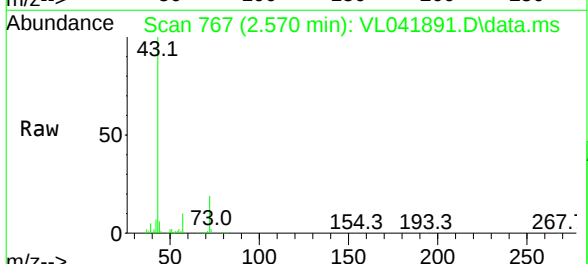
Reviewed By : Semsettin Yesilyurt 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

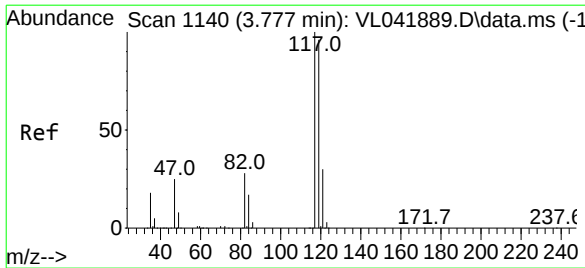


#34
 2-Butanone
 Concen: 1.015 ppbv
 RT: 2.570 min Scan# 767
 Delta R.T. 0.003 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

Tgt Ion: 43 Resp: 29280

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.6	28.0





#35

Carbon Tetrachloride

Concen: 0.979 ppbv

RT: 3.774 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 117 Resp: 27946

Ion Ratio Lower Upper

117 100

119 91.1 76.9 115.3

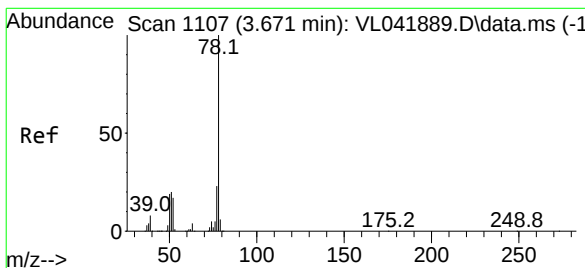
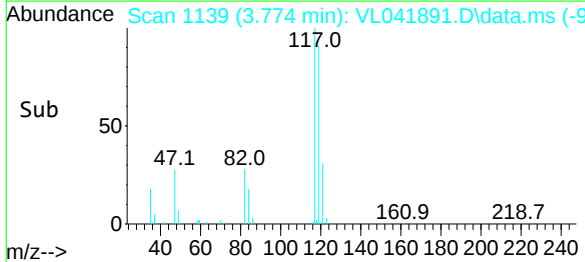
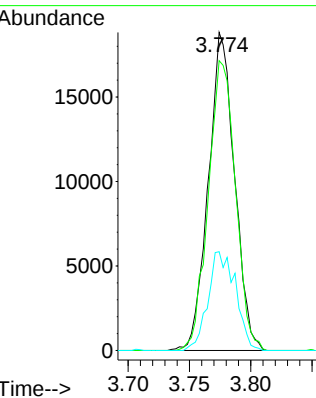
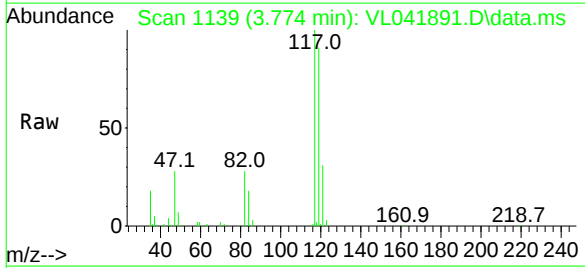
121 31.1 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#36

Benzene

Concen: 1.035 ppbv

RT: 3.671 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

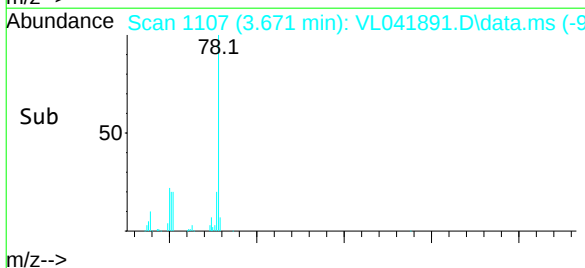
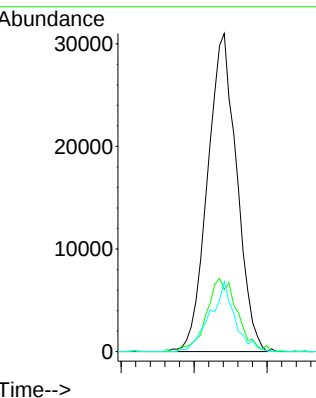
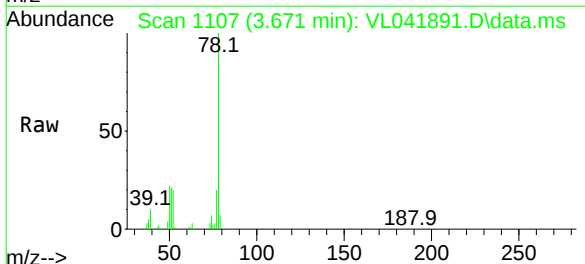
Tgt Ion: 78 Resp: 43023

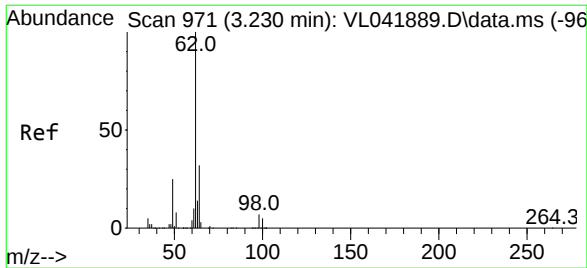
Ion Ratio Lower Upper

78 100

77 18.8 18.1 27.1

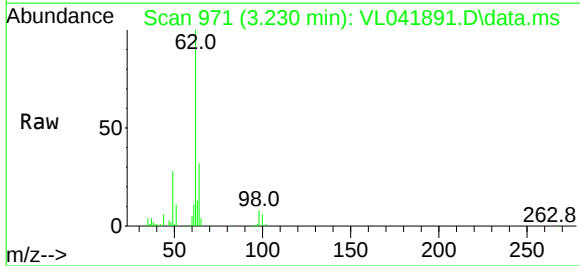
50 22.0 15.2 22.8





#37
1,2-Dichloroethane
Concen: 1.002 ppbv
RT: 3.230 min Scan# 971
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

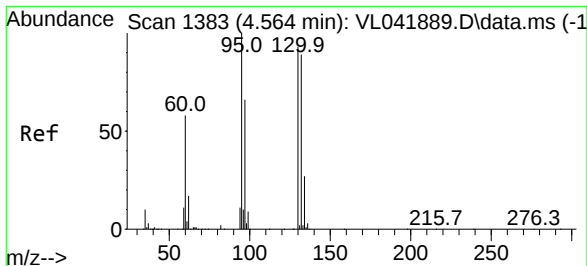
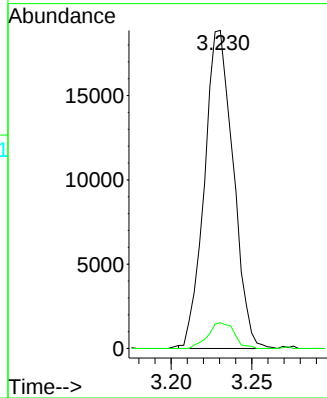
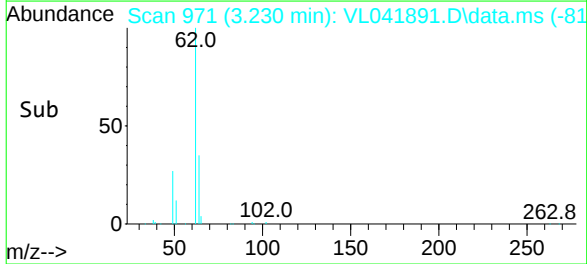
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



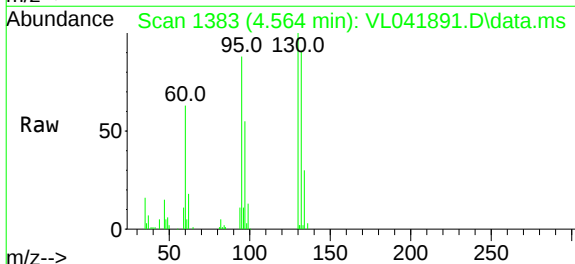
Tgt Ion: 62 Resp: 23402
Ion Ratio Lower Upper
62 100
98 7.4 5.4 8.0

Manual Integrations
APPROVED

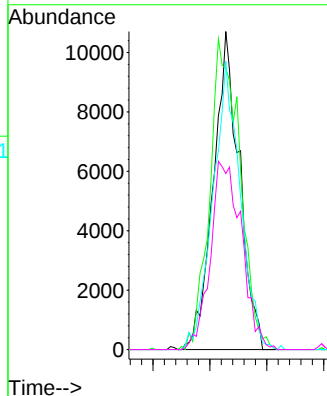
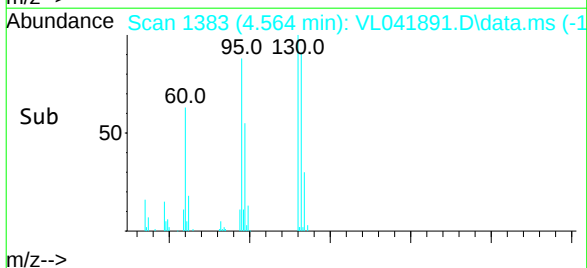
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

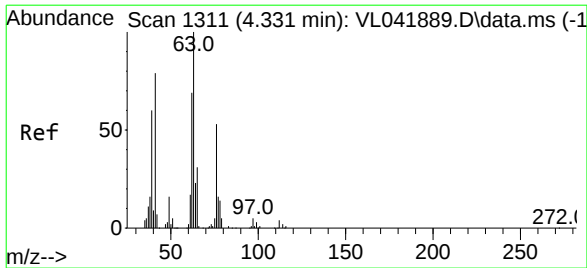


#38
Trichloroethene
Concen: 1.027 ppbv m
RT: 4.564 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59



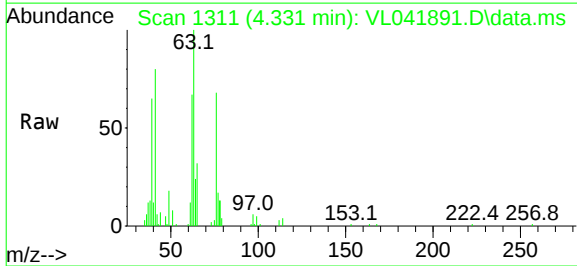
Tgt Ion:130 Resp: 16954
Ion Ratio Lower Upper
130 100
95 88.4 85.8 128.8
132 90.6 76.5 114.7
97 55.4 56.8 85.2#





#39
1,2-Dichloropropane
Concen: 0.999 ppbv
RT: 4.331 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

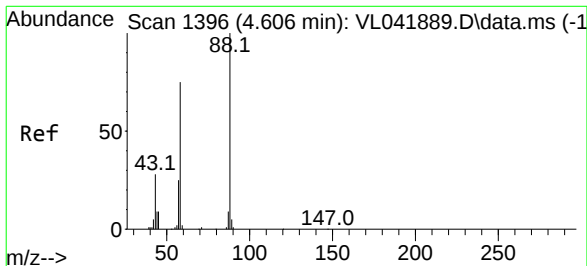
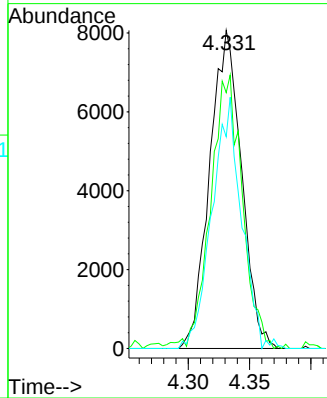
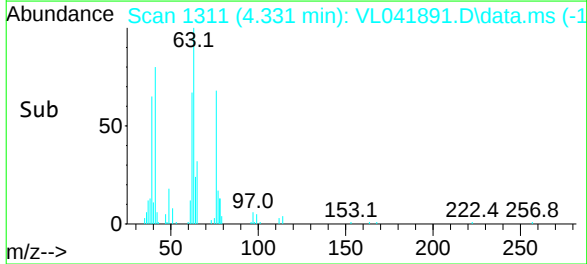
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



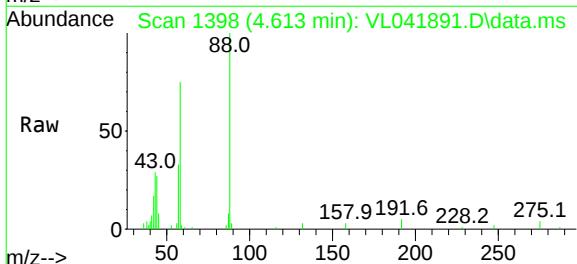
Tgt Ion: 63 Resp: 14576
Ion Ratio Lower Upper
63 100
41 79.7 63.7 95.5
62 66.6 55.4 83.2

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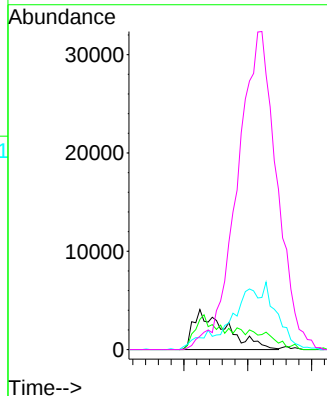
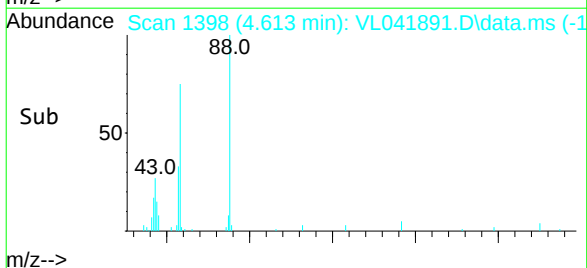
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

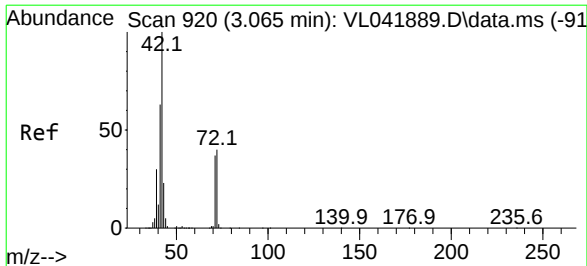


#40
1,4-Dioxane
Concen: 0.998 ppbv m
RT: 4.613 min Scan# 1398
Delta R.T. 0.007 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59



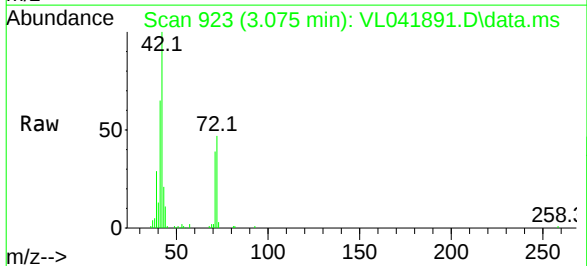
Tgt Ion: 88 Resp: 7345
Ion Ratio Lower Upper
88 100
58 119.1 62.1 93.1#
43 0.0 0.0 0.0
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.991 ppbv m
RT: 3.075 min Scan# 920
Delta R.T. 0.010 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

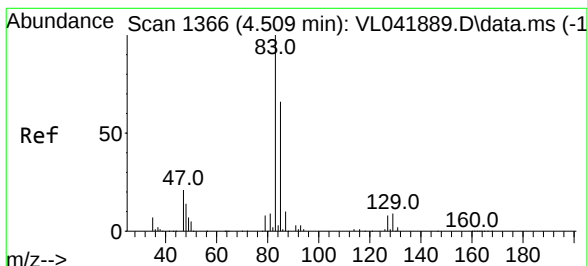
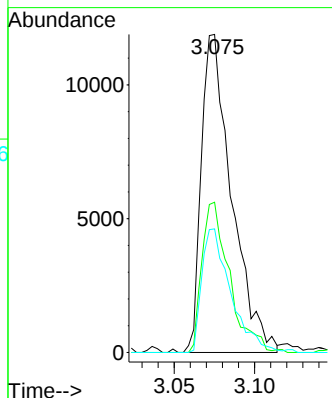
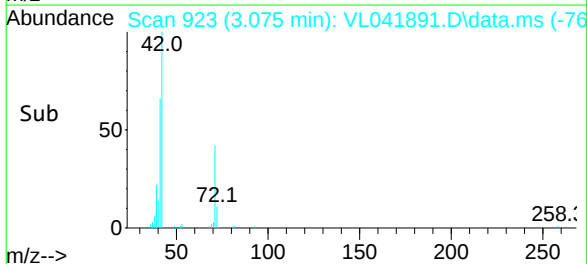
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion:	42	Resp:	15580
Ion	Ratio	Lower	Upper
42	100		
72	43.2	32.3	48.5
71	37.3	29.9	44.9

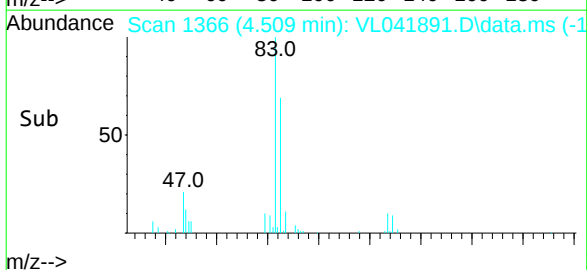
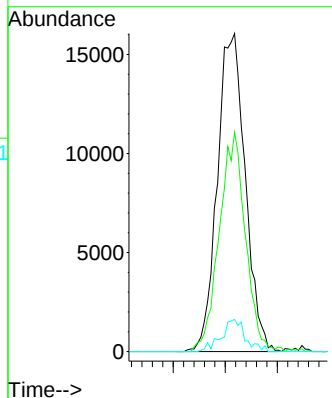
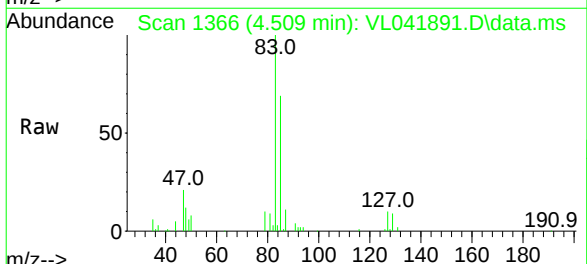
Manual Integrations
APPROVED

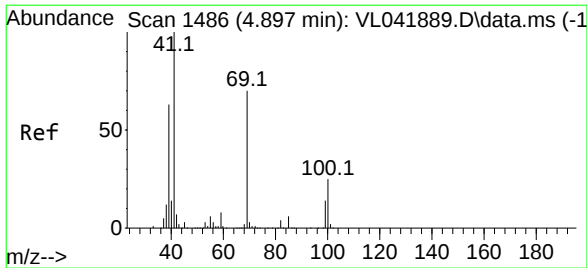
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#42
Bromodichloromethane
Concen: 0.955 ppbv m
RT: 4.509 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

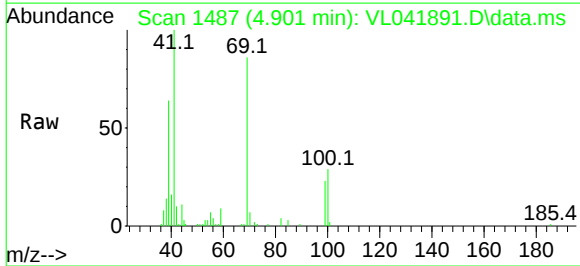
Tgt Ion:	83	Resp:	29893
Ion	Ratio	Lower	Upper
83	100		
85	69.0	52.6	78.8
127	10.1	6.4	9.6





#43
Methyl Methacrylate
Concen: 0.985 ppbv
RT: 4.901 min Scan# 1413
Delta R.T. 0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

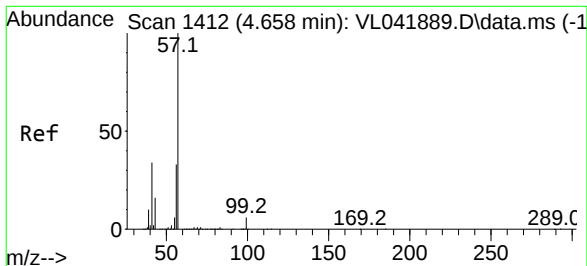
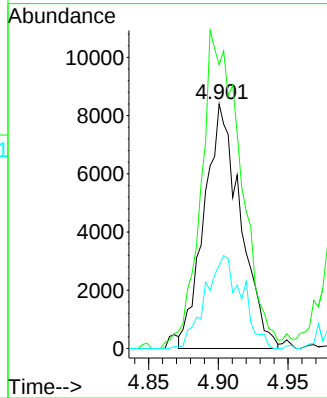
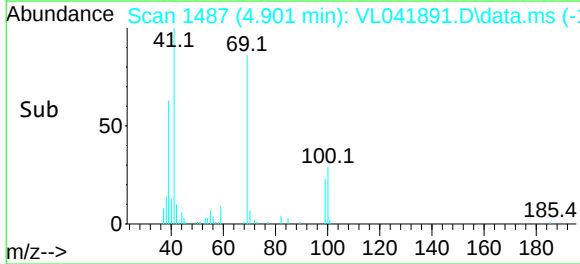
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 69 Resp: 15222
Ion Ratio Lower Upper
69 100
41 141.9 118.6 177.8
100 38.5 29.3 43.9

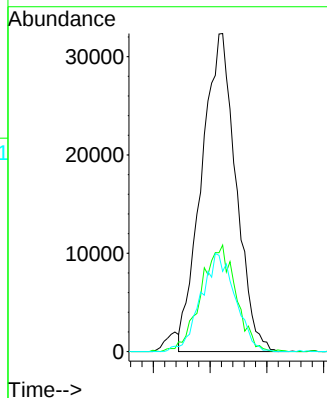
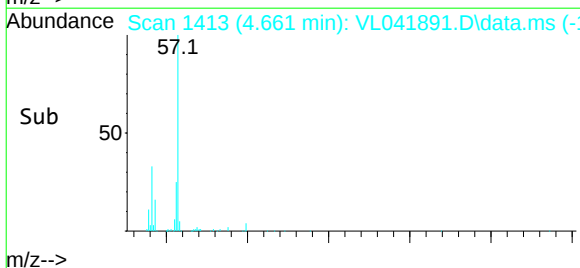
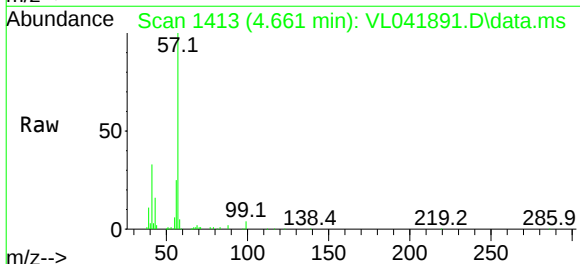
Manual Integrations
APPROVED

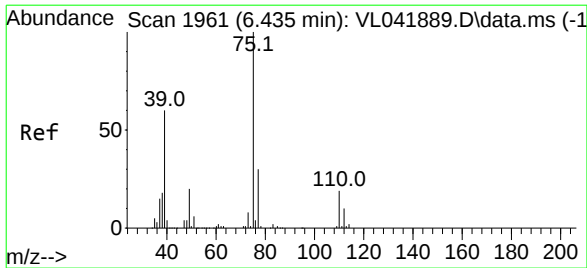
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#44
2,2,4-Trimethylpentane
Concen: 1.012 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. 0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

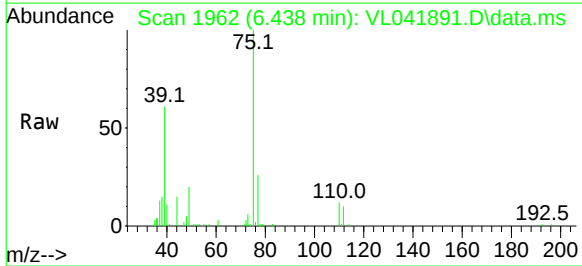
Tgt Ion: 57 Resp: 68050
Ion Ratio Lower Upper
57 100
41 34.1 26.6 40.0
56 30.7 25.4 38.2





#45
t-1,3-Dichloropropene
Concen: 0.914 ppbv
RT: 6.438 min Scan# 1961
Delta R.T. 0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

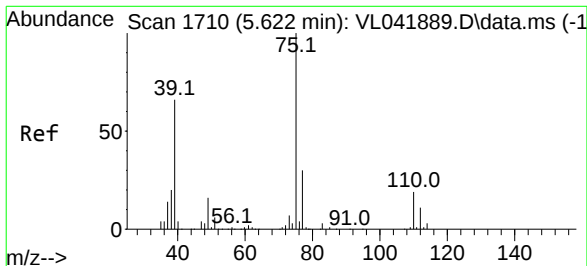
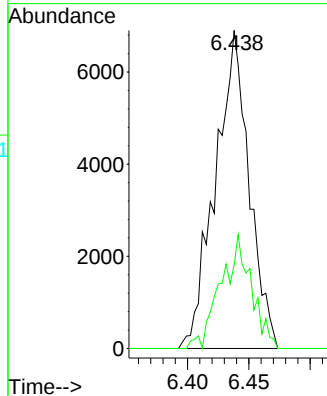
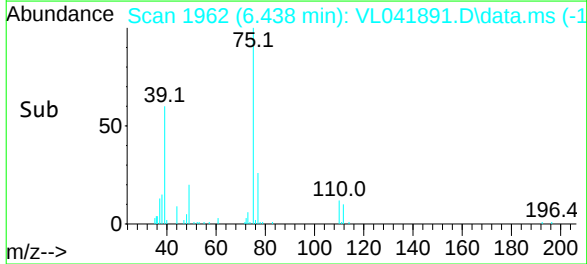
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



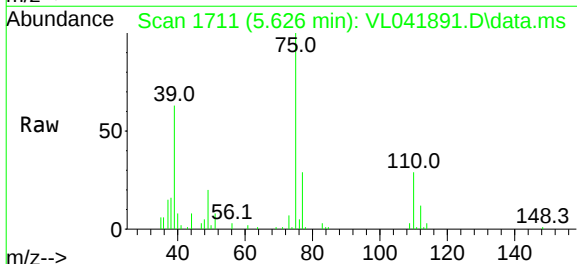
Tgt Ion: 75 Resp: 13220
Ion Ratio Lower Upper
75 100
77 26.1 24.3 36.5

Manual Integrations
APPROVED

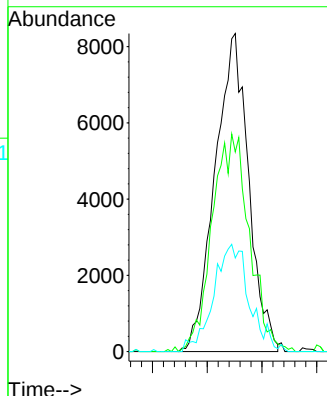
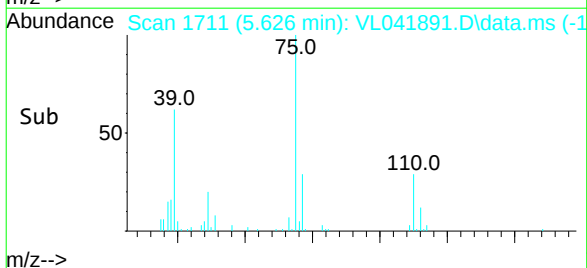
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

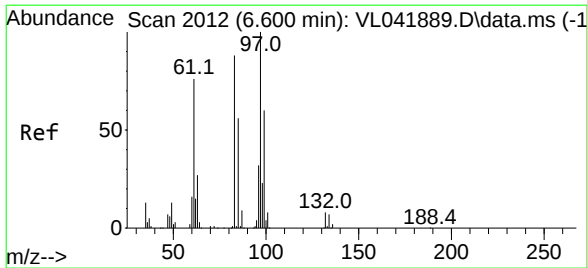


#46
cis-1,3-Dichloropropene
Concen: 0.935 ppbv
RT: 5.626 min Scan# 1711
Delta R.T. 0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59



Tgt Ion: 75 Resp: 17749
Ion Ratio Lower Upper
75 100
39 62.8 53.1 79.7
77 29.4 23.8 35.8





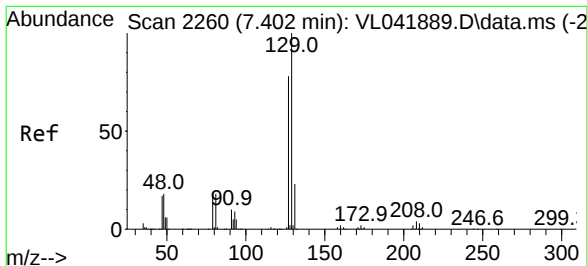
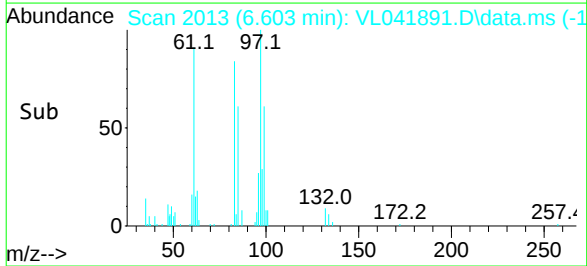
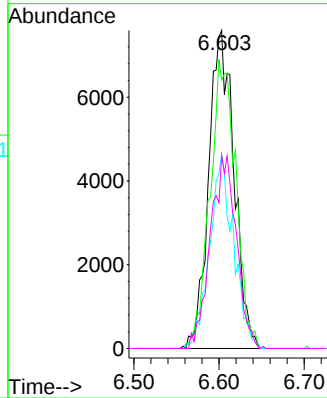
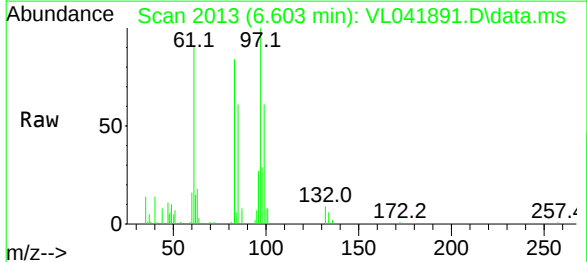
#47
1,1,2-Trichloroethane
Concen: 1.013 ppbv m
RT: 6.603 min Scan# 2012
Delta R.T. 0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.4	105.6
85	60.9	45.0	67.4
99	60.6	48.1	72.1

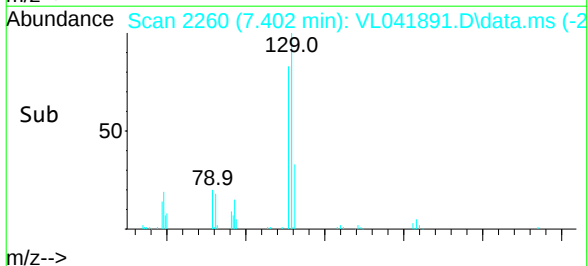
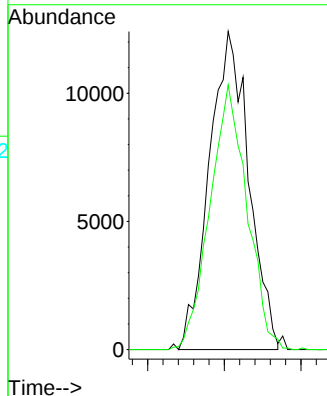
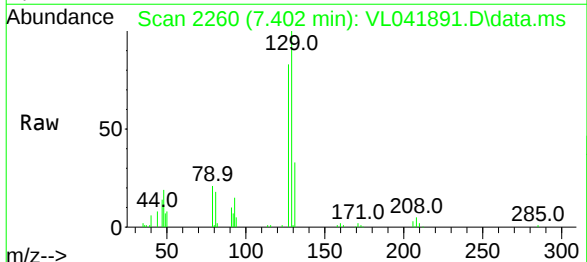
Manual Integrations
APPROVED

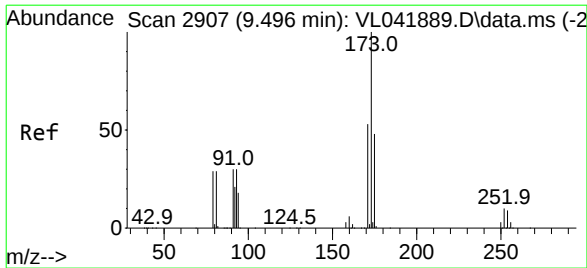
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#48
Dibromochloromethane
Concen: 0.929 ppbv
RT: 7.402 min Scan# 2260
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.3	117.8





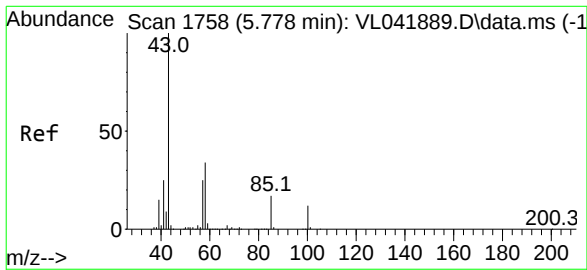
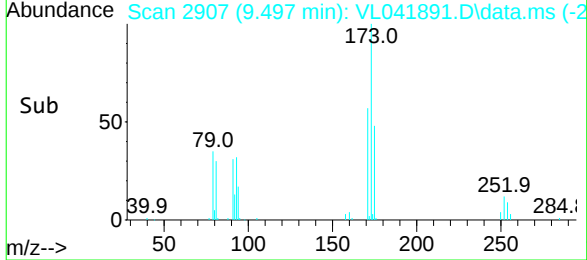
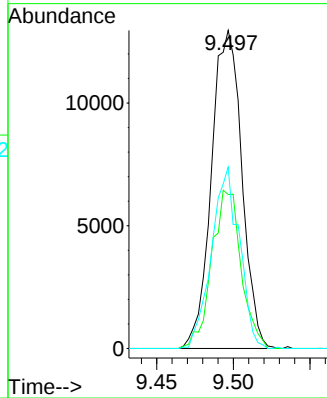
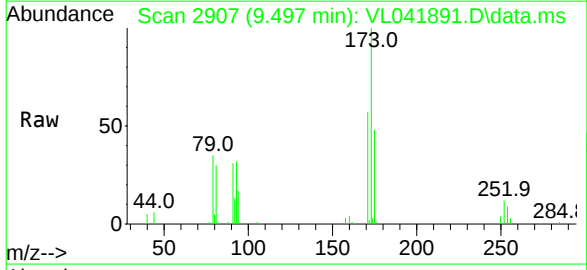
#49
Bromoform
Concen: 0.912 ppbv
RT: 9.497 min Scan# 2907
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 173 Resp: 17876
Ion Ratio Lower Upper
173 100
175 48.1 38.4 57.6
171 52.2 41.4 62.2

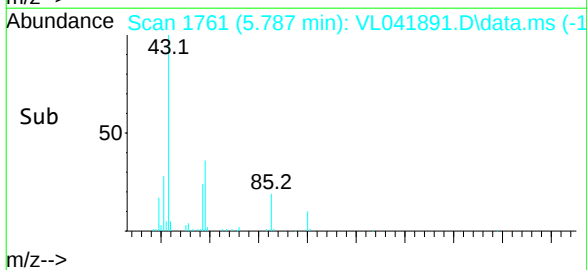
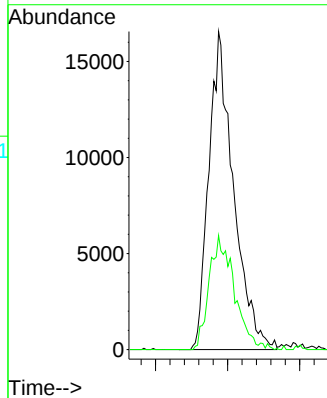
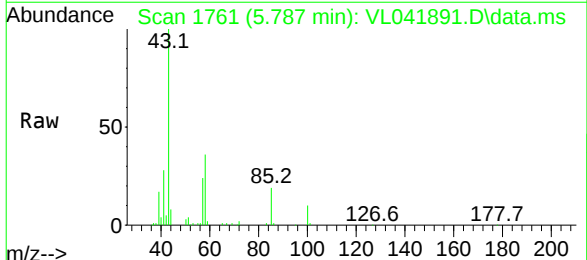
Manual Integrations
APPROVED

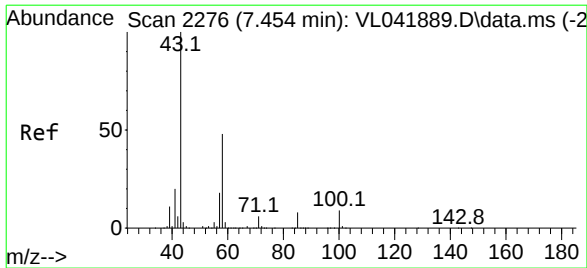
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#50
4-Methyl-2-Pentanone
Concen: 1.004 ppbv m
RT: 5.787 min Scan# 1761
Delta R.T. 0.010 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

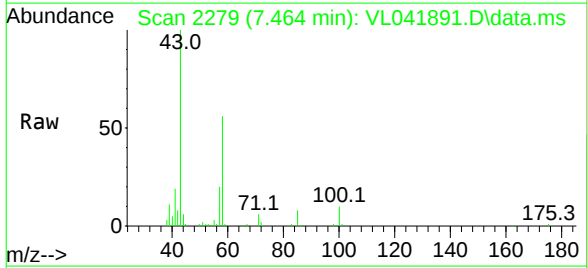
Tgt Ion: 43 Resp: 39436
Ion Ratio Lower Upper
43 100
58 36.7 29.0 43.6





#51
2-Hexanone
Concen: 0.959 ppbv
RT: 7.464 min Scan# 2276
Delta R.T. 0.010 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

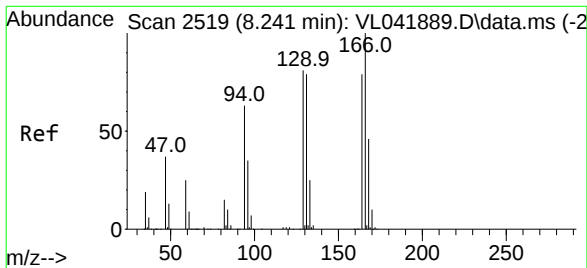
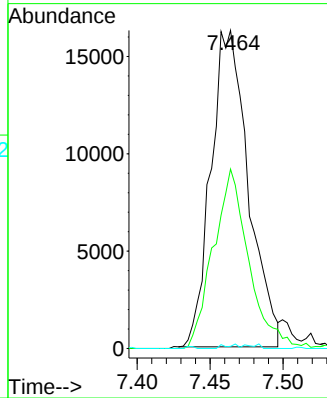
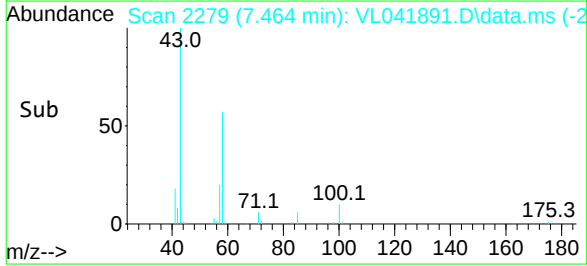
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 28999
Ion Ratio Lower Upper
43 100
58 53.8 40.4 60.6
98 0.9 0.2 0.2#

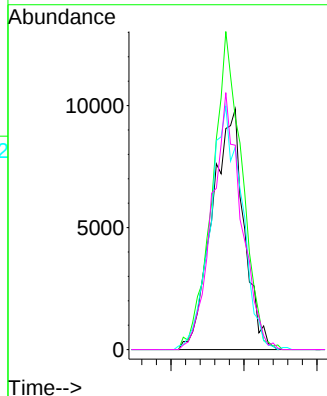
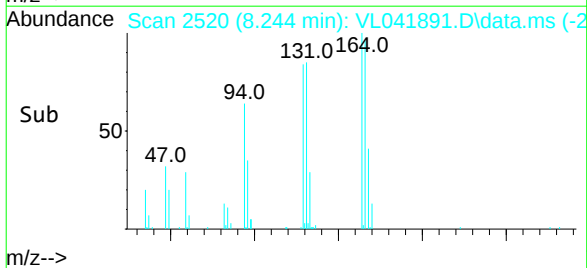
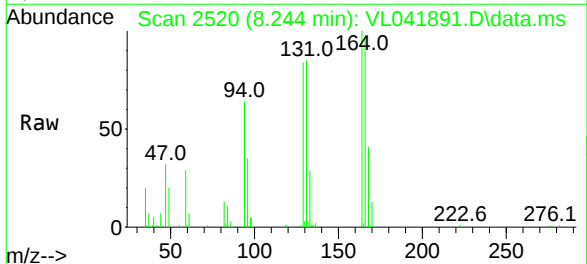
Manual Integrations
APPROVED

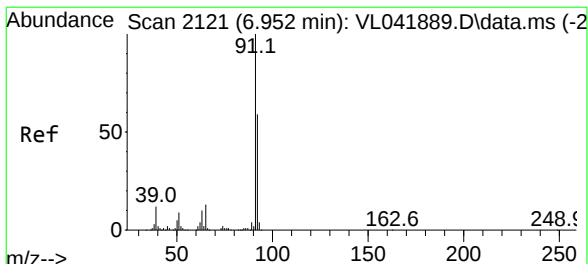
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#52
Tetrachloroethene
Concen: 1.034 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

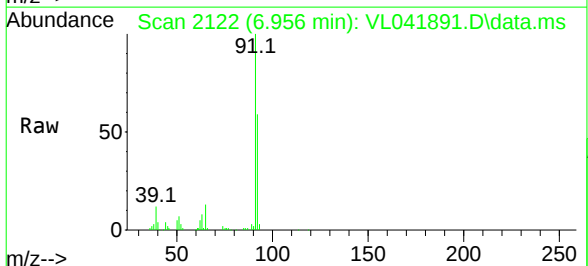
Tgt Ion:164 Resp: 14903
Ion Ratio Lower Upper
164 100
166 96.4 100.8 151.2#
129 84.1 82.0 123.0
131 84.9 80.2 120.2





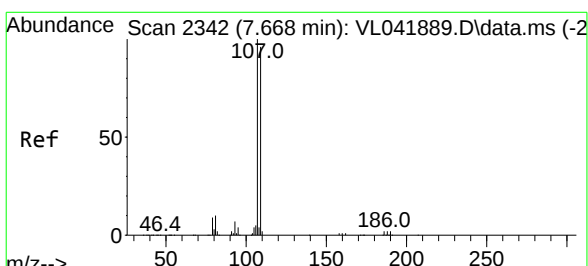
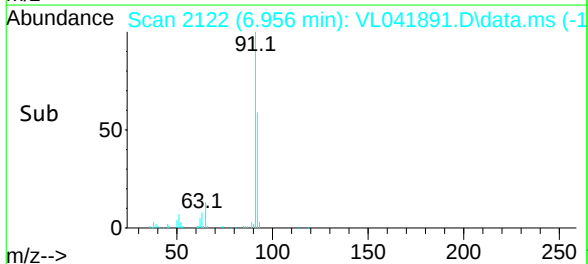
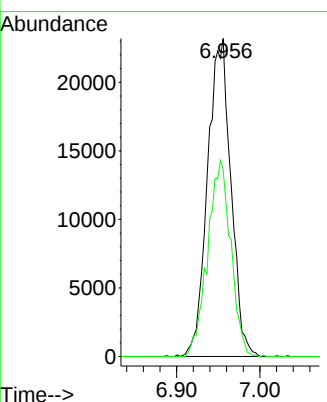
#53
Toluene
Concen: 0.996 ppbv m
RT: 6.956 min Scan# 2121
Delta R.T. 0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument : MSVOA_L
ClientSampleId : VSTDIC001



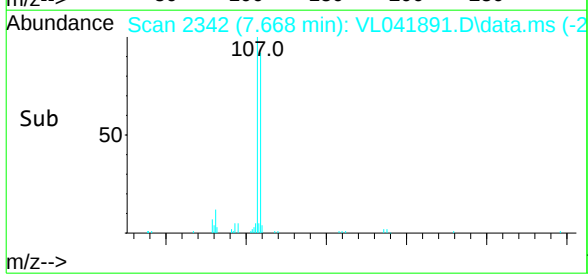
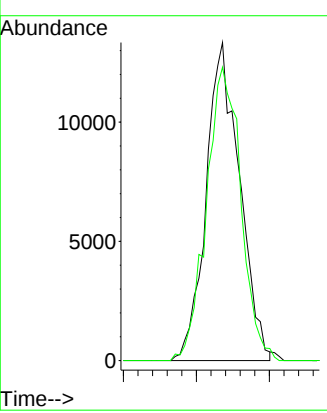
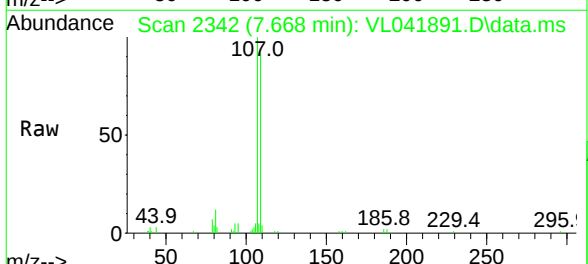
Tgt Ion: 91 Resp: 45140
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#

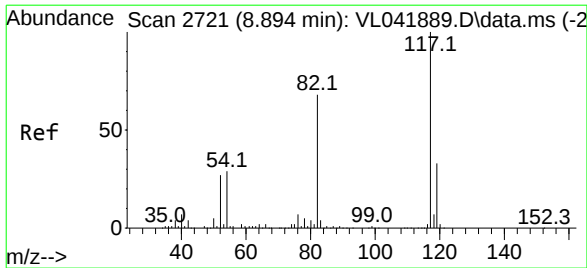
Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#54
1,2-Dibromoethane
Concen: 0.997 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

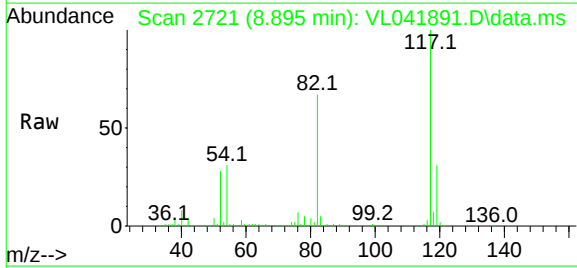
Tgt Ion:107 Resp: 21202
Ion Ratio Lower Upper
107 100
109 92.2 76.7 115.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2721
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

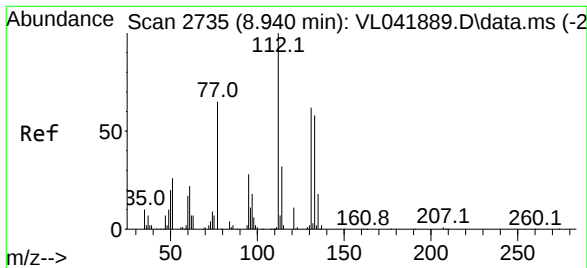
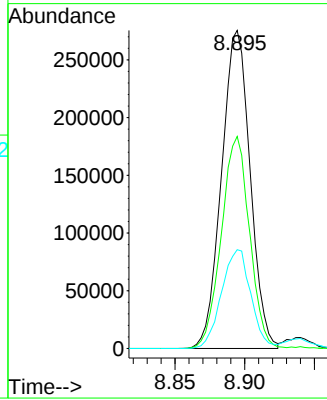
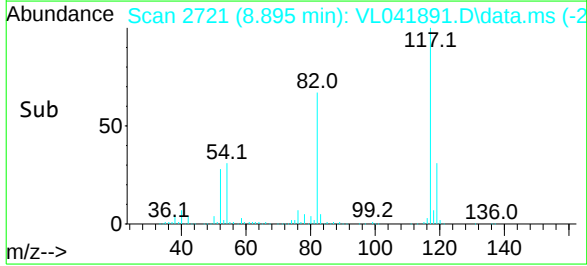
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:117 Resp: 393836
Ion Ratio Lower Upper
117 100
82 65.9 54.2 81.4
119 32.3 25.0 37.6

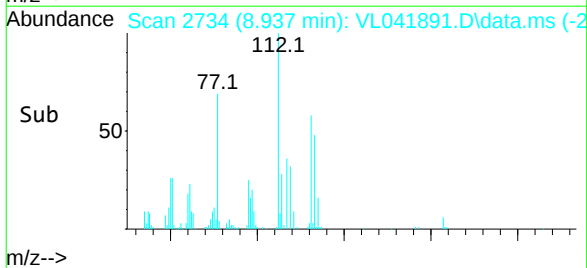
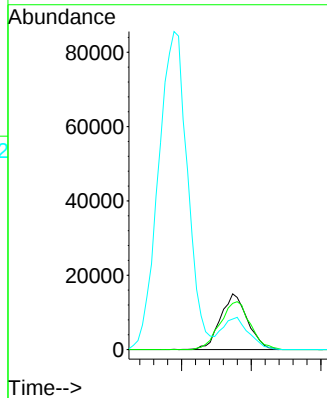
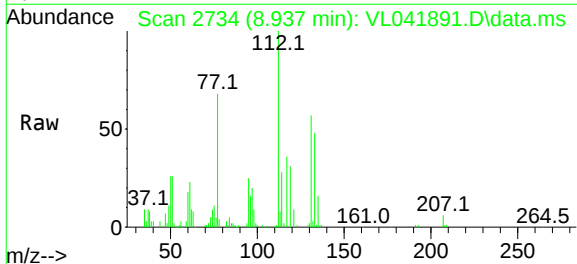
Manual Integrations
APPROVED

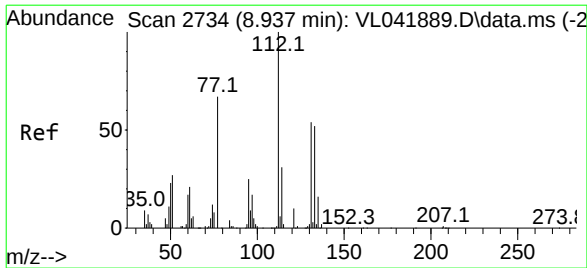
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 1.031 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion:131 Resp: 20255
Ion Ratio Lower Upper
131 100
133 95.1 76.0 114.0
119 51.0 49.7 74.5





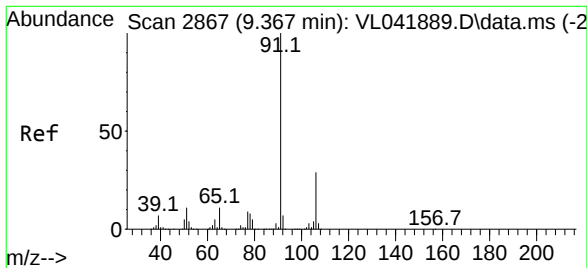
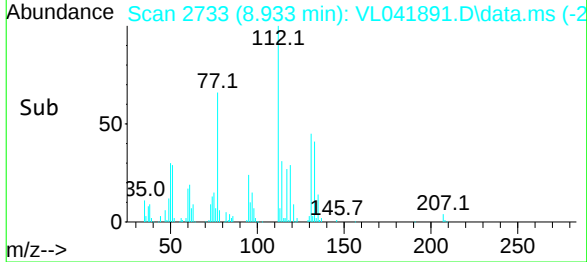
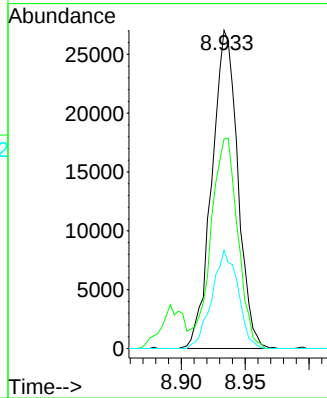
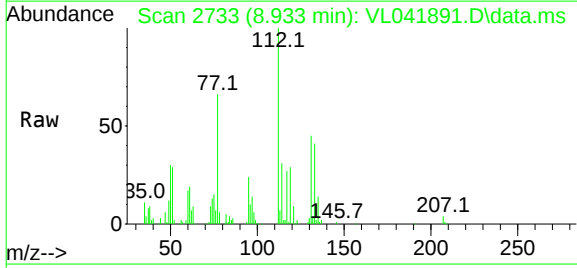
#57
Chlorobenzene
Concen: 1.050 ppbv
RT: 8.933 min Scan# 2734
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:	112	Resp:	38141
Ion Ratio	Lower	Upper	
112	100		
77	65.9	54.6	82.0
114	30.9	28.2	34.4

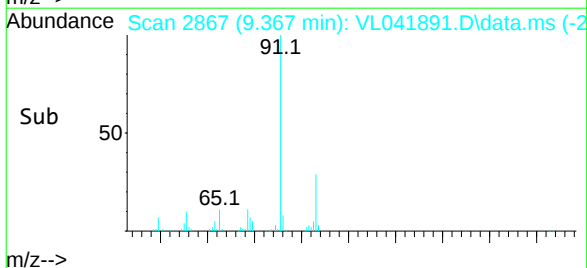
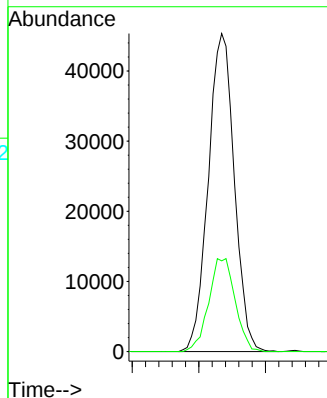
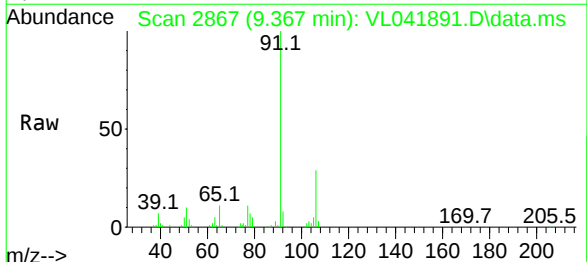
Manual Integrations
APPROVED

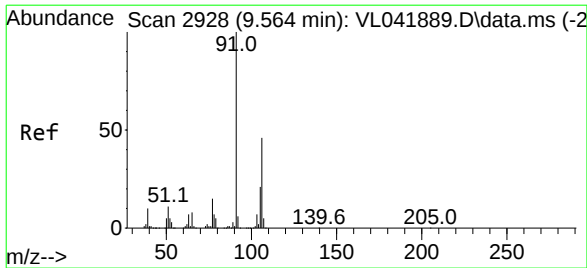
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#58
Ethyl Benzene
Concen: 1.000 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion:	91	Resp:	61537
Ion Ratio	Lower	Upper	
91	100		
106	28.5	23.1	34.7





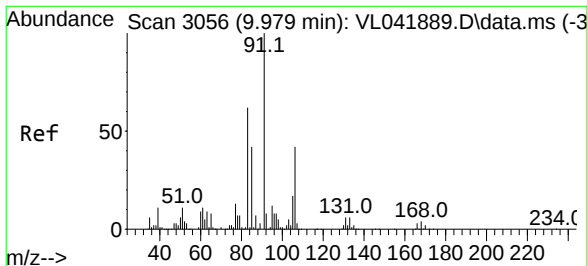
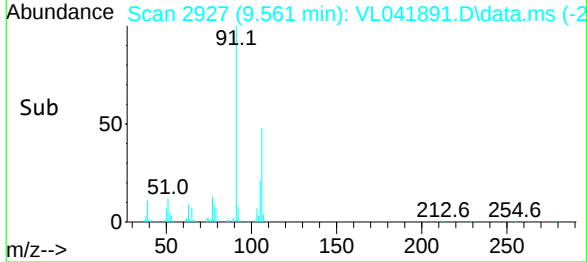
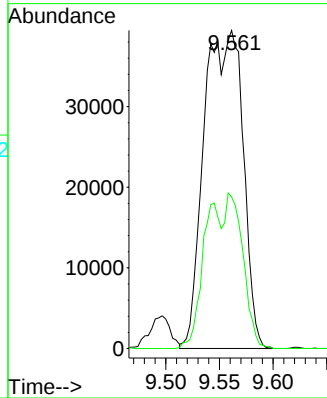
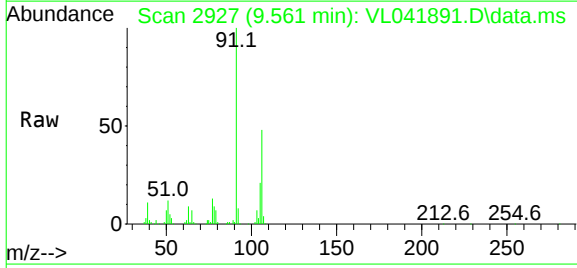
#59
m/p-Xylene
Concen: 2.016 ppbv m
RT: 9.561 min Scan# 29
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 99618
Ion Ratio Lower Upper
91 100
106 45.9 36.0 54.0

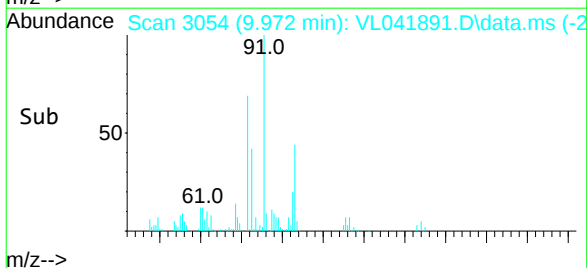
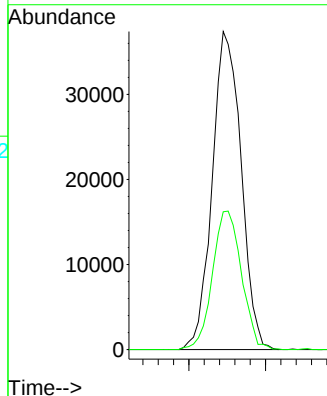
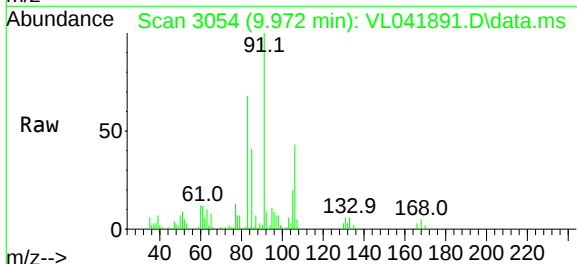
Manual Integrations
APPROVED

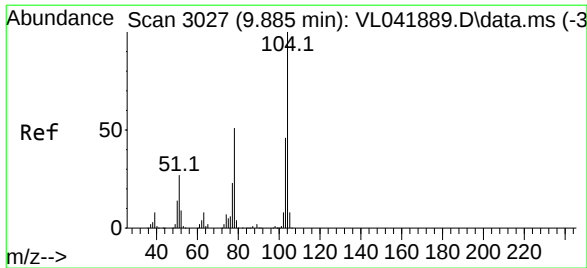
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#60
o-Xylene
Concen: 0.998 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. -0.006 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 91 Resp: 48888
Ion Ratio Lower Upper
91 100
106 43.8 21.3 63.9





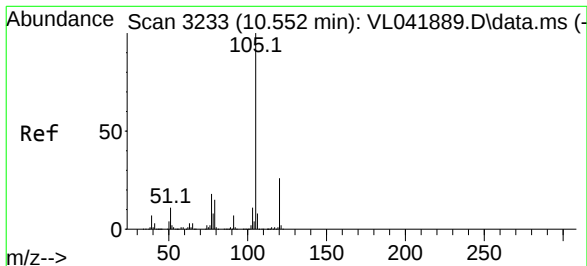
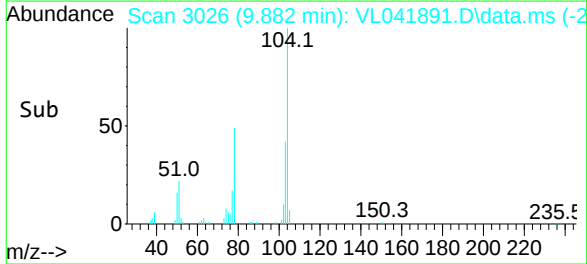
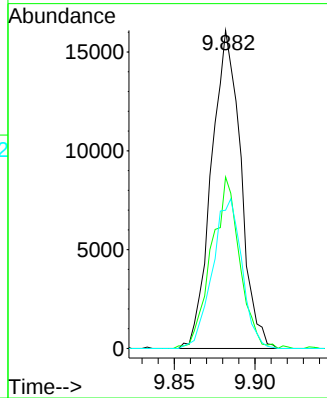
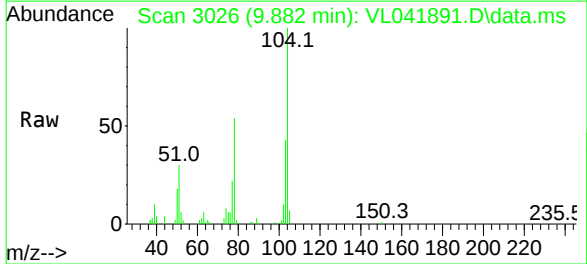
#61
Styrene
Concen: 0.923 ppbv
RT: 9.882 min Scan# 3027
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:104	Resp: 20285
Ion Ratio Lower Upper	
104 100	
78 52.3 41.0 61.6	
103 47.4 37.2 55.8	

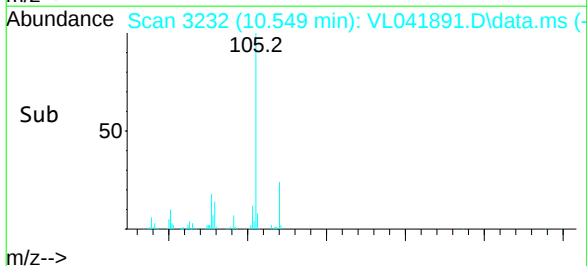
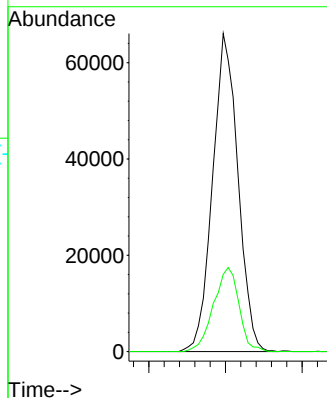
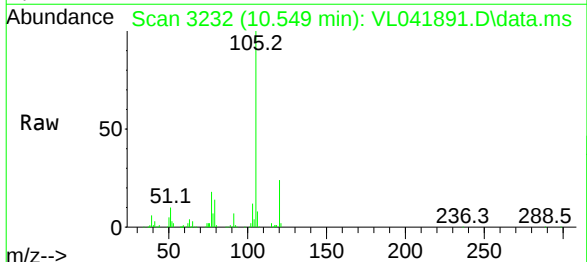
Manual Integrations
APPROVED

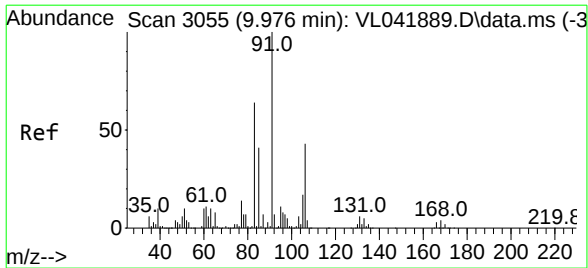
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#62
Isopropylbenzene
Concen: 1.000 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion:105	Resp: 75801
Ion Ratio Lower Upper	
105 100	
120 26.6 20.3 30.5	





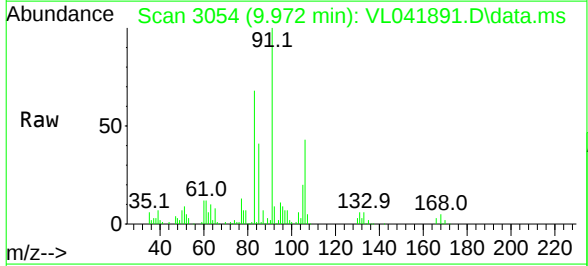
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.080 ppbv
 RT: 9.972 min Scan# 3054
 Delta R.T. -0.003 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

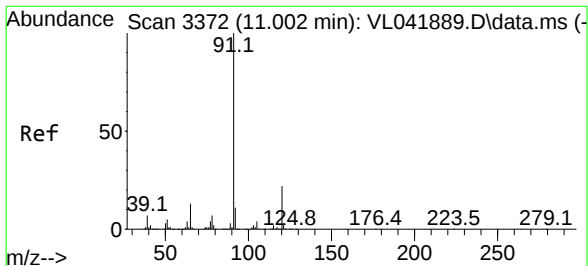
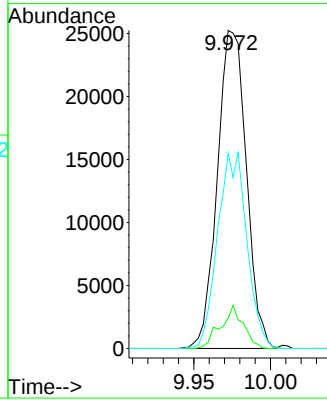
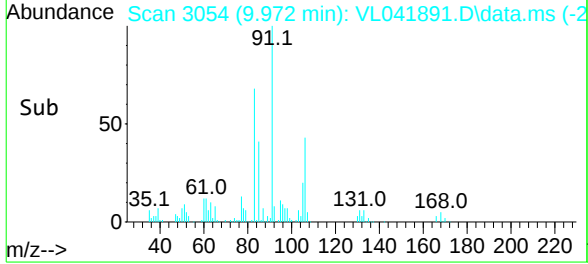


Tgt Ion:	83	Resp:	33289
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.8	14.4
85	62.0	32.4	97.2

Manual Integrations

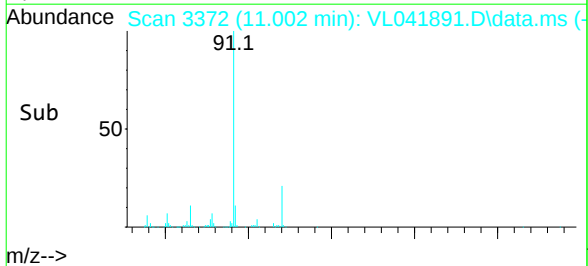
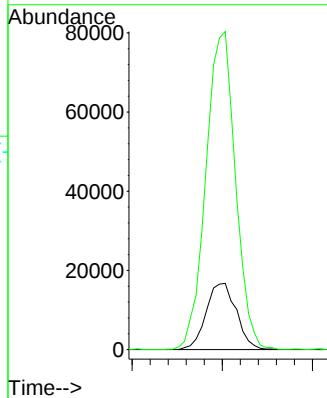
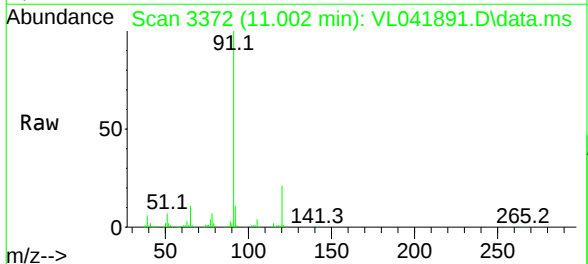
APPROVED

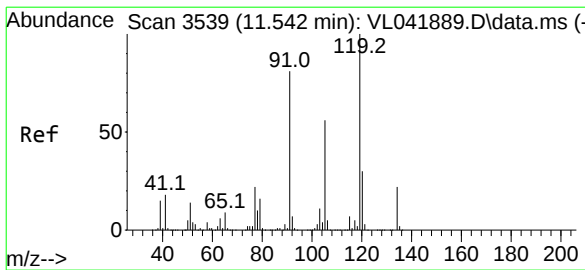
Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025



#64
 n-propylbenzene
 Concen: 1.019 ppbv
 RT: 11.002 min Scan# 3372
 Delta R.T. 0.000 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

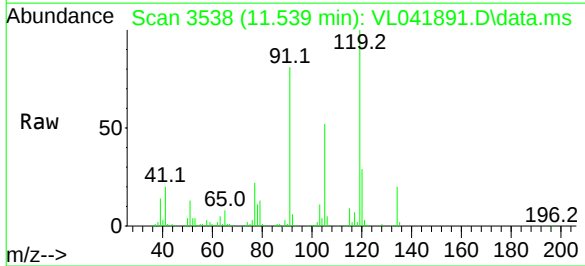
Tgt Ion:	120	Resp:	19511
Ion	Ratio	Lower	Upper
120	100		
91	470.2	374.1	561.1





#65
tert-Butylbenzene
Concen: 1.016 ppbv
RT: 11.539 min Scan# 3539
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

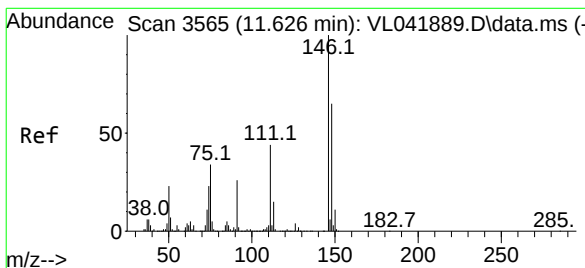
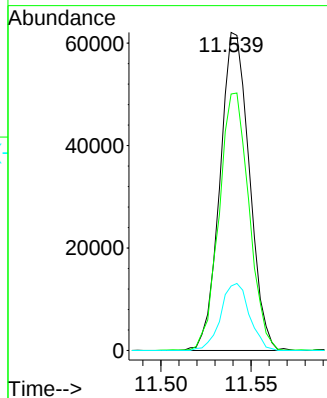
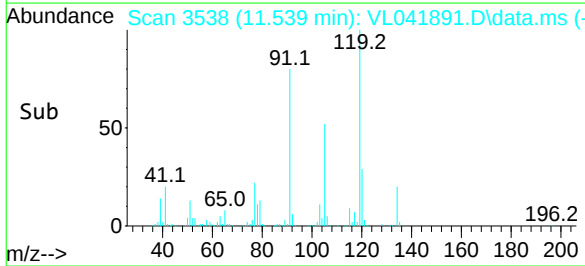
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:	119	Resp:	70183
Ion	Ratio	Lower	Upper
119	100		
91	82.7	64.6	97.0
134	20.6	16.8	25.2

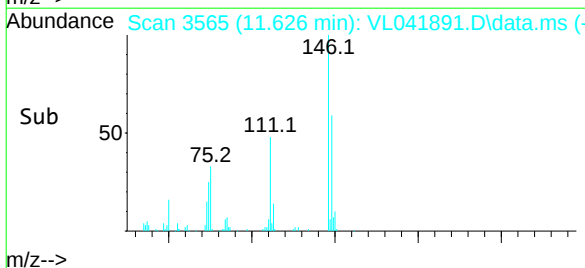
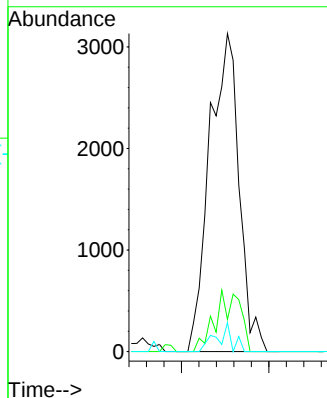
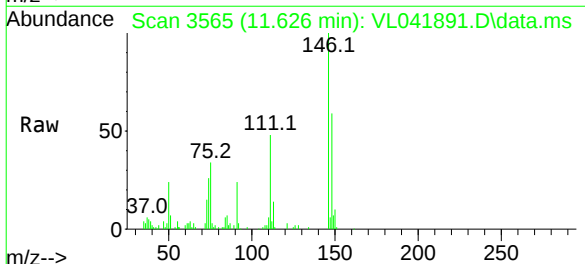
Manual Integrations
APPROVED

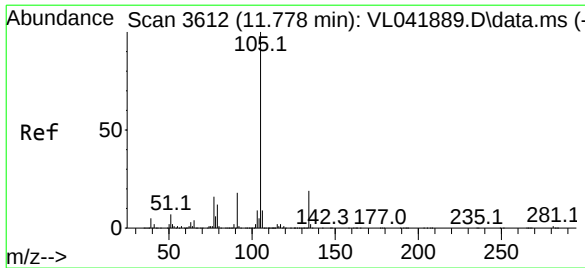
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#66
Benzyl Chloride
Concen: 0.861 ppbv m
RT: 11.626 min Scan# 3565
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion:	91	Resp:	3681
Ion	Ratio	Lower	Upper
91	100		
126	16.8	14.1	21.1
128	4.6	4.3	6.5





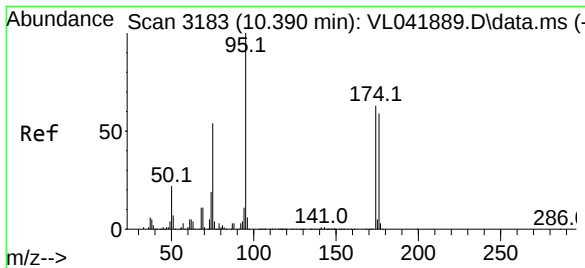
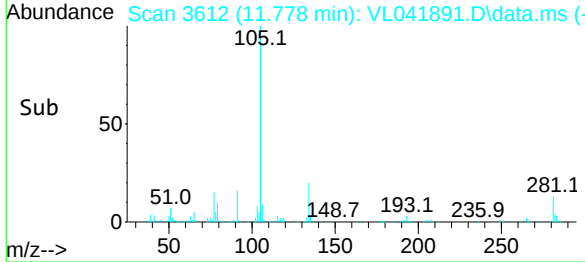
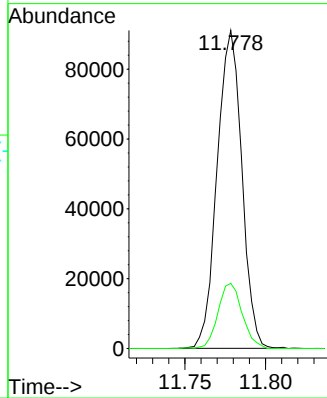
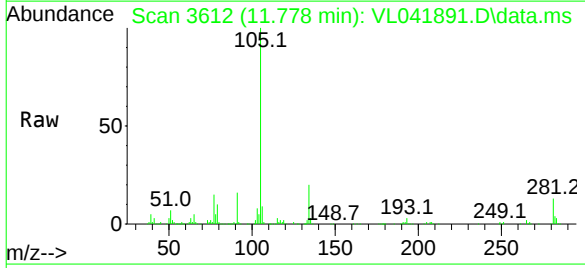
#67
 sec-Butylbenzene
 Concen: 1.018 ppbv
 RT: 11.778 min Scan# 3612
 Delta R.T. 0.000 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 105 Resp: 96749
 Ion Ratio Lower Upper
 105 100
 134 20.2 15.1 22.7

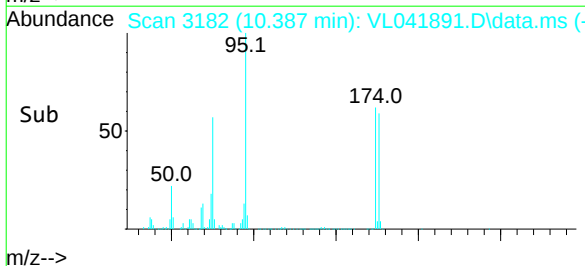
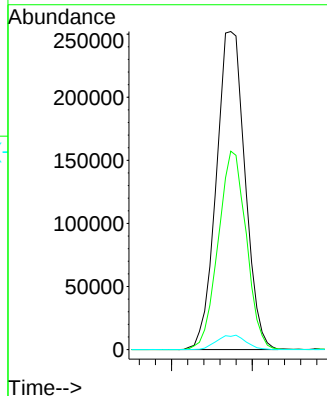
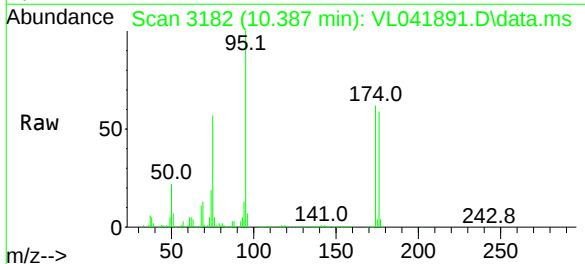
Manual Integrations
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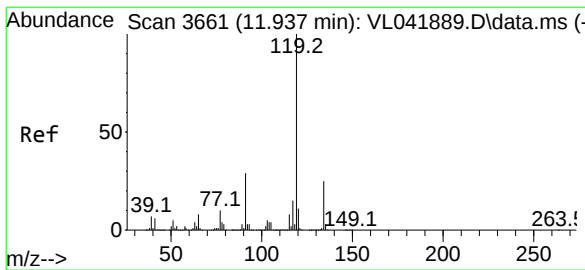
Reviewed By : Semsettin Yesilyurt 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.058 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. -0.003 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

Tgt Ion: 95 Resp: 312013
 Ion Ratio Lower Upper
 95 100
 174 60.9 49.0 73.4
 175 4.6 3.8 5.8





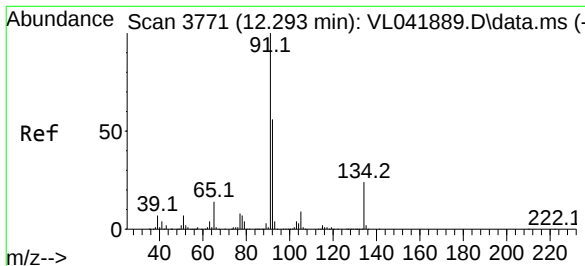
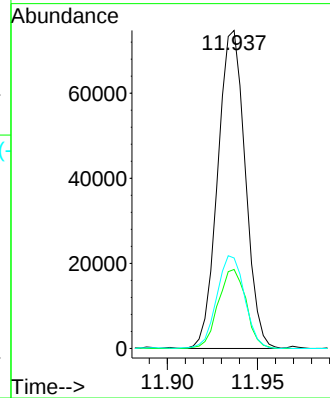
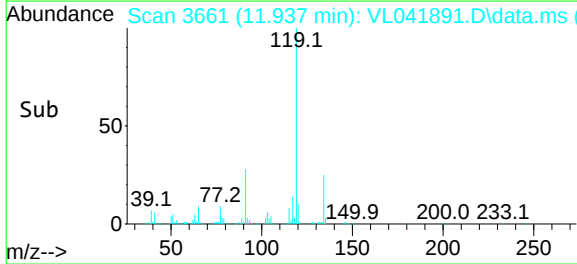
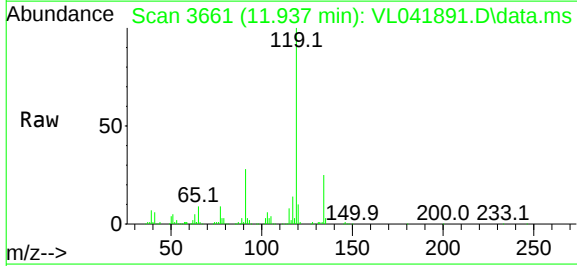
#69
p-Isopropyltoluene
Concen: 1.013 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:	119	Resp:	79283
Ion Ratio	Lower	Upper	
119	100		
134	25.2	19.8	29.6
91	29.8	23.0	34.4

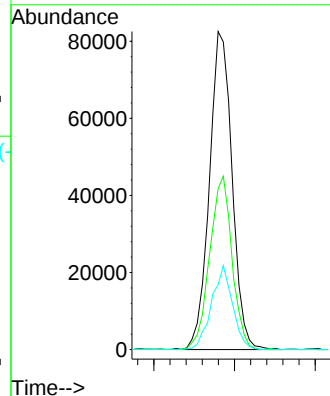
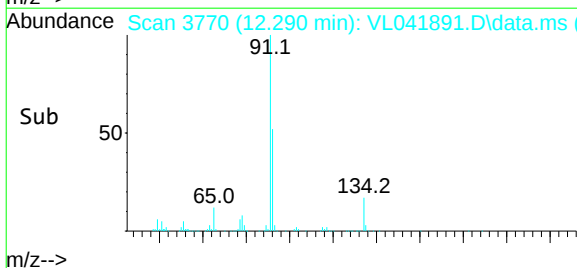
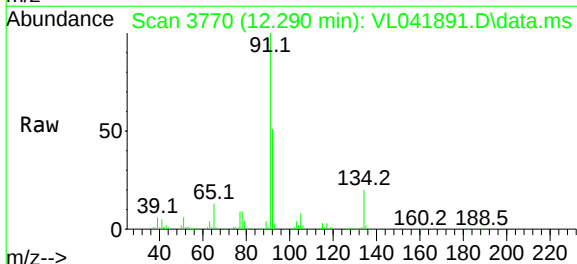
Manual Integrations
APPROVED

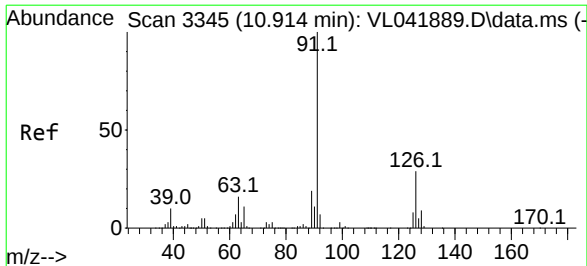
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#70
n-Butylbenzene
Concen: 1.039 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion:	91	Resp:	80664
Ion Ratio	Lower	Upper	
91	100		
92	53.9	43.8	65.6
134	24.5	19.0	28.6





#71

2-Chlorotoluene

Concen: 0.991 ppbv

RT: 10.911 min Scan# 3345

Delta R.T. -0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 55540

Ion Ratio Lower Upper

91 100

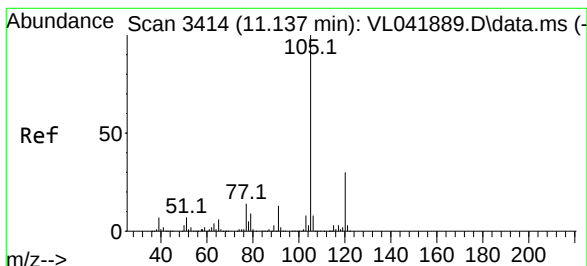
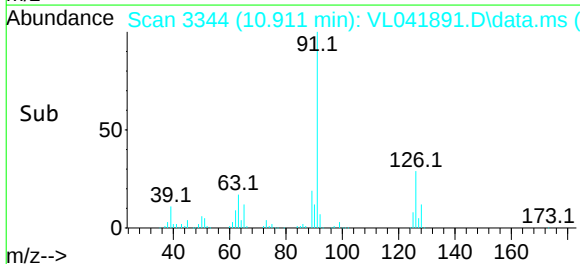
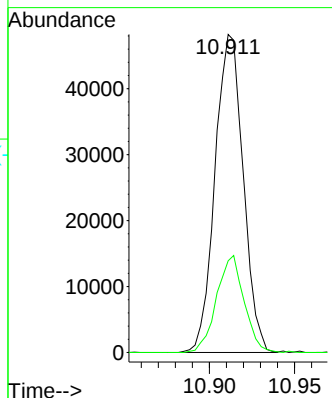
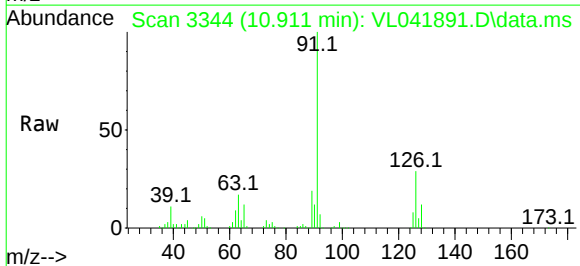
126 29.8 11.7 46.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#72

4-Ethyltoluene

Concen: 0.973 ppbv

RT: 11.134 min Scan# 3413

Delta R.T. -0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Tgt Ion:105 Resp: 56973

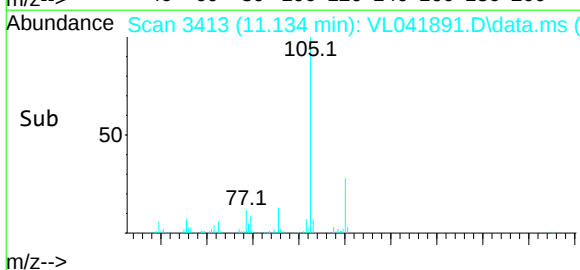
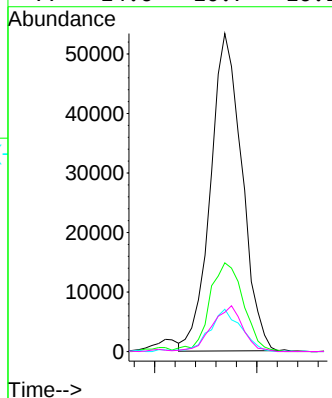
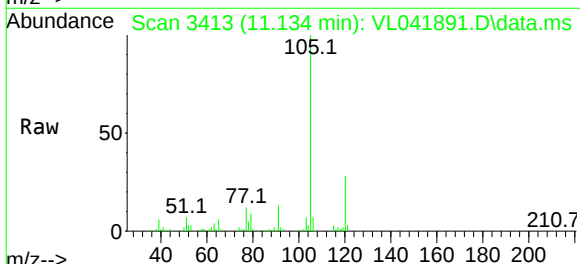
Ion Ratio Lower Upper

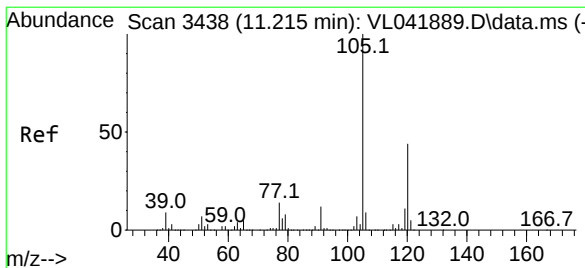
105 100

120 31.0 23.7 35.5

91 13.6 10.2 15.2

77 14.6 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 1.035 ppbv

RT: 11.215 min Scan# 3438

Delta R.T. 0.000 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

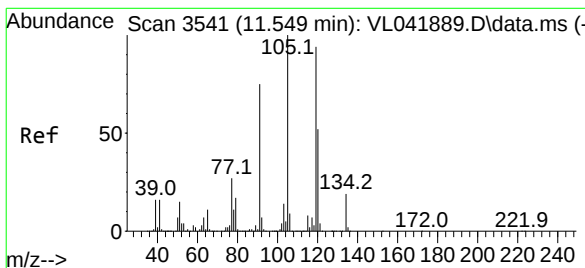
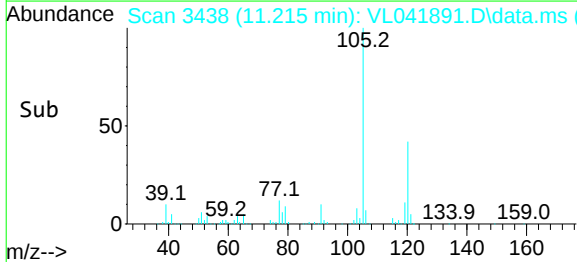
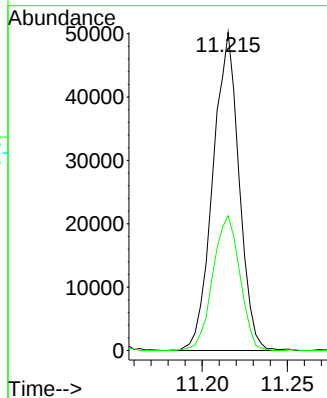
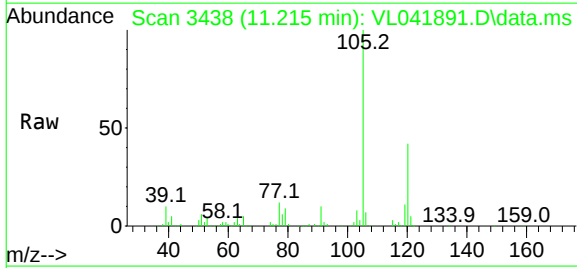
VSTDICC001

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.4	35.4	53.2

Manual Integrations

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



#74

1,2,4-Trimethylbenzene

Concen: 1.024 ppbv

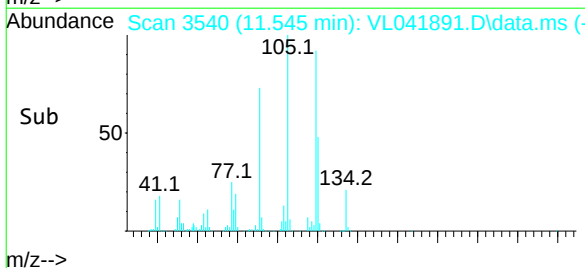
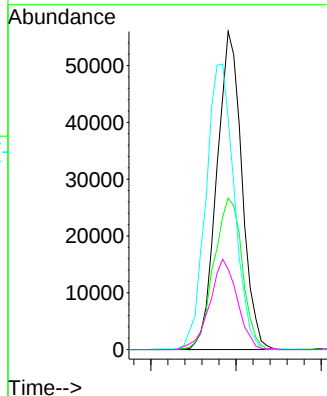
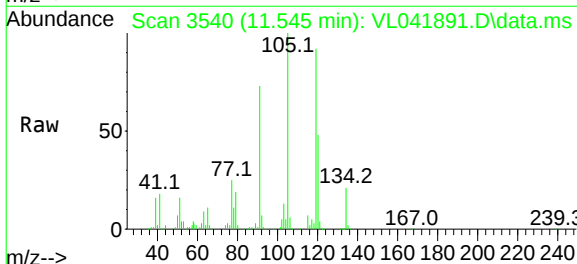
RT: 11.545 min Scan# 3540

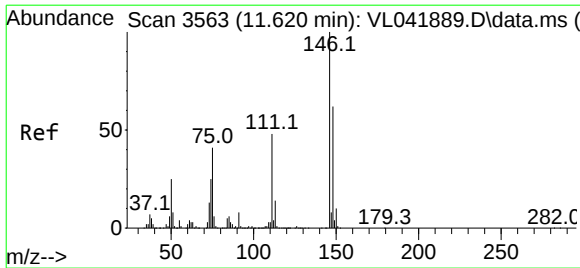
Delta R.T. -0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	41.4	62.2
91	72.5	60.2	90.2
77	25.1	22.0	33.0





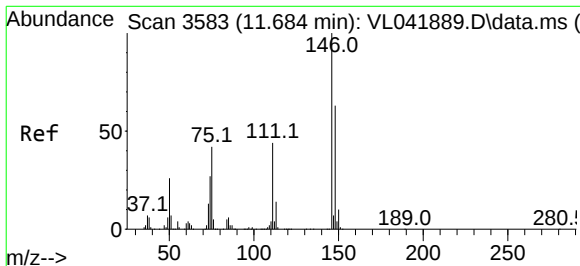
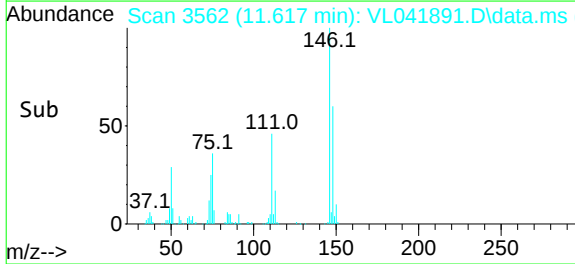
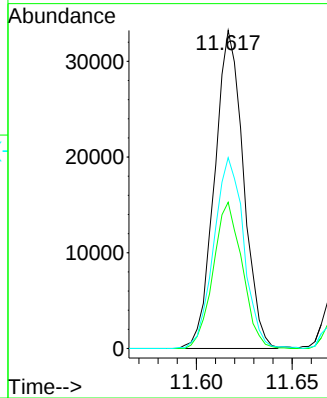
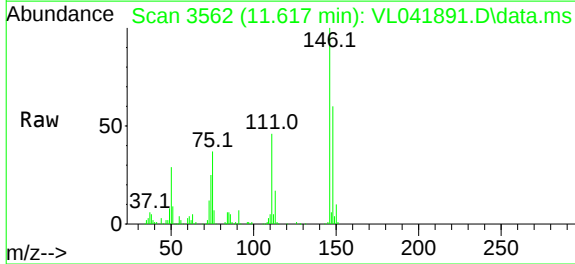
#75
1,3-Dichlorobenzene
Concen: 1.049 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 34810
Ion Ratio Lower Upper
146 100
111 46.2 23.6 70.8
148 62.4 31.4 94.0

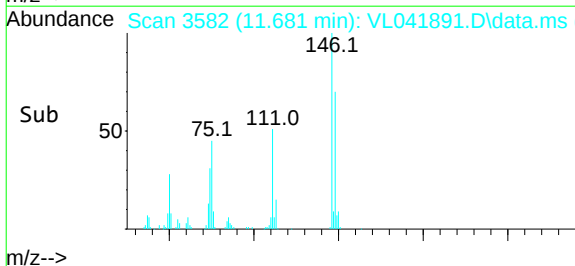
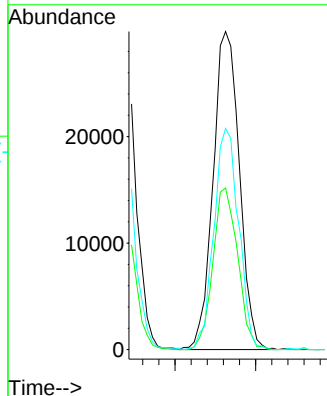
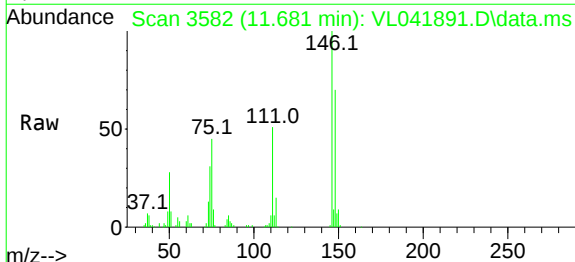
Manual Integrations
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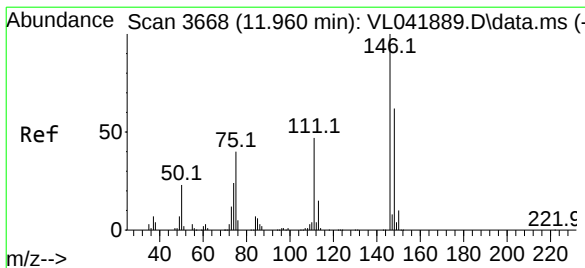
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#76
1,4-Dichlorobenzene
Concen: 1.041 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion:146 Resp: 33822
Ion Ratio Lower Upper
146 100
111 48.0 22.4 67.0
148 64.5 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 1.080 ppbv

RT: 11.960 min Scan# 3668

Delta R.T. 0.000 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

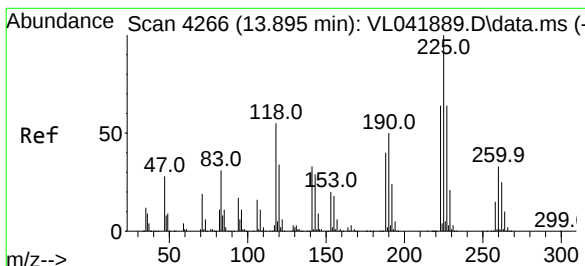
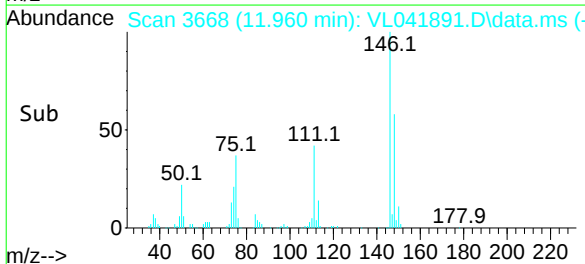
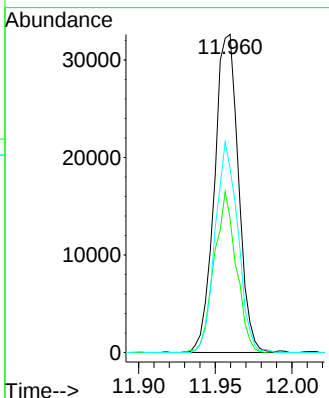
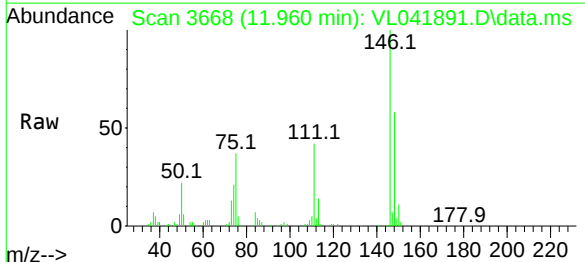
ClientSampleId :

VSTDIC001

Tgt Ion:	146	Resp:	35516
Ion Ratio	Lower	Upper	
146	100		
111	46.5	24.2	72.6
148	62.5	31.7	95.1

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Supervised By :Mahesh Dadoda 01/15/2025



#78

Hexachloro-1,3-Butadiene

Concen: 1.082 ppbv

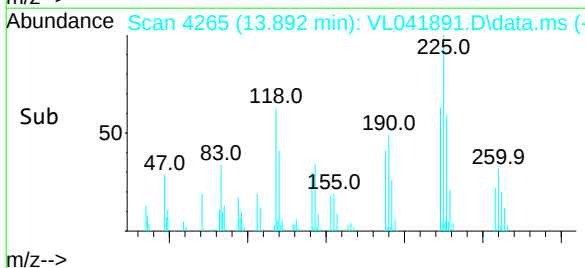
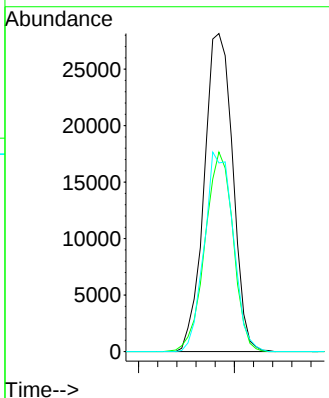
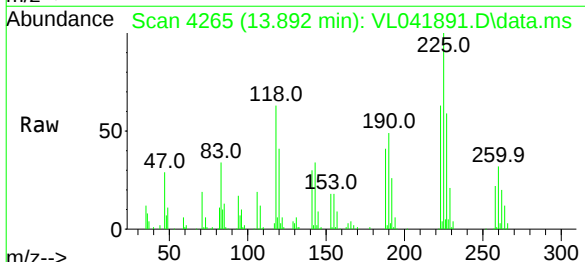
RT: 13.892 min Scan# 4265

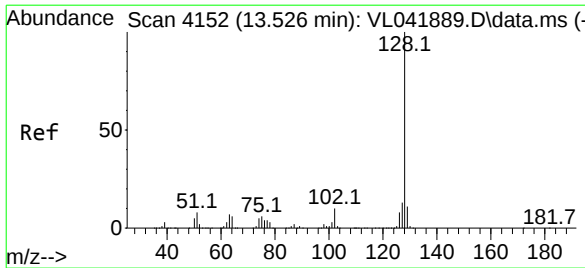
Delta R.T. -0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Tgt Ion:	225	Resp:	29210
Ion Ratio	Lower	Upper	
225	100		
223	61.6	50.8	76.2
227	63.2	50.3	75.5





#79

Naphthalene

Concen: 1.174 ppbv

RT: 13.523 min Scan# 4151

Delta R.T. -0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

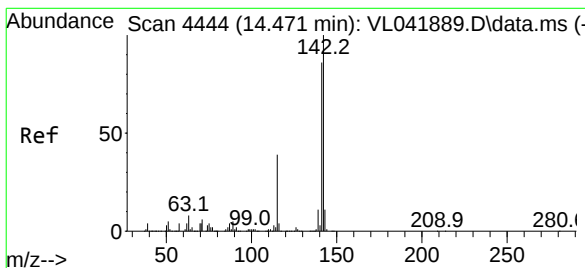
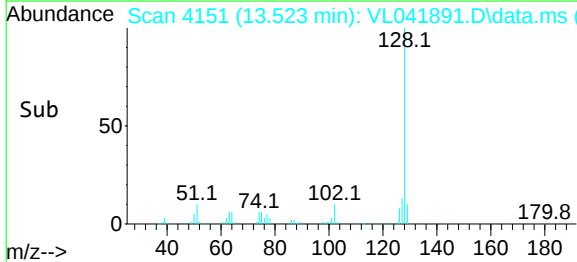
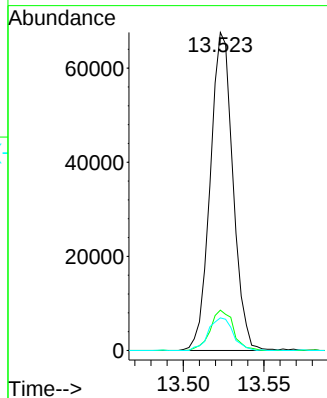
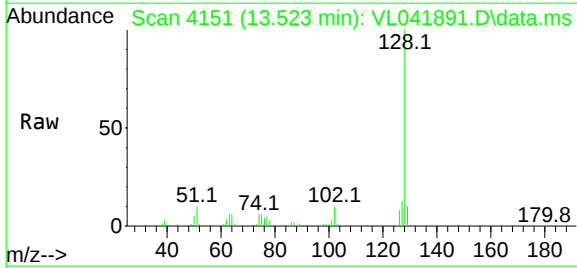
VSTDIC001

Tgt Ion:	128	Resp:	66232
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.2	9.1	13.7

Manual Integrations

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Supervised By :Mahesh Dadoda 01/15/2025



#80

Naphthalene, 2-methyl-

Concen: 1.066 ppbv

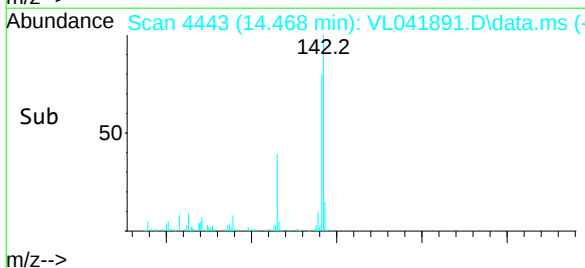
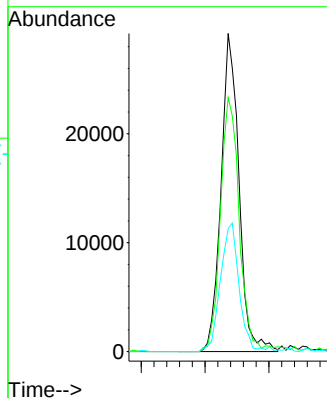
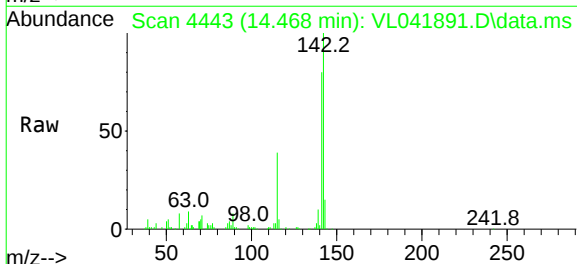
RT: 14.468 min Scan# 4443

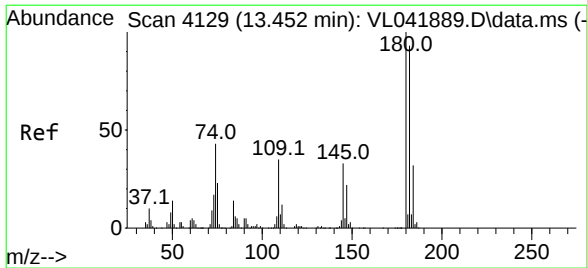
Delta R.T. -0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

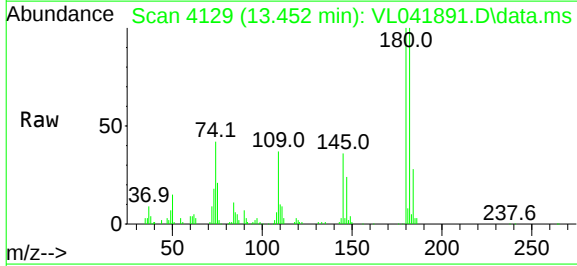
Tgt Ion:	142	Resp:	28506
Ion	Ratio	Lower	Upper
142	100		
141	85.8	68.1	102.1
115	42.3	31.7	47.5





#81
1,2,4-Trichlorobenzene
Concen: 1.055 ppbv
RT: 13.452 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion:	180	Resp:	29053
Ion Ratio	Lower	Upper	
180	100		
182	97.9	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

