

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111323\
 Data File : VL040837.D
 Acq On : 13 Nov 2023 12:03
 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 :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

Quant Time: Nov 13 15:26:17 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

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

QLast Update : Mon Nov 13 15:18:50 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1163155	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.635	114	3038114	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	2793969	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.748 95 2171964 10.444 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	252127	1.215	ppbv	97
3) Chlorodifluoromethane	2.681	51	198994	1.161	ppbv	100
4) Chloromethane	2.819	50	69094	1.031	ppbv	90
5) Vinyl Chloride	2.925	62	70388	1.016	ppbv	92
6) Bromomethane	3.121	94	24797	0.890	ppbv	99
7) Chloroethane	3.198	64	21707	0.968	ppbv	96
8) Dichlorotetrafluoroethane	2.861	85	179266	1.151	ppbv	97
9) Propene	2.700	41	63188	1.010	ppbv	94
10) Heptane	7.561	43	162318	1.029	ppbv	99
11) Trichlorofluoromethane	3.562	101	191295	1.193	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.060	101	135408	1.186	ppbv	100
13) Ethanol	3.256	45	11844	0.858	ppbv #	58
14) Bromoethene	3.365	108	55831	1.156	ppbv	96
15) Acetone	3.478	43	126075	1.054	ppbv	92
16) 1,3-Butadiene	2.986	39	68968	1.108	ppbv	100
17) tert-Butyl alcohol	3.883	59	111857	0.969	ppbv	99
18) 1,1-Dichloroethene	3.877	96	62066	1.218	ppbv	90
19) Isopropyl Alcohol	3.587	45	72668	0.968	ppbv #	95
20) Methylene Chloride	3.928	84	53198	1.061	ppbv	91
21) Allyl Chloride	3.992	41	79749	1.024	ppbv	90
22) trans-1,2-Dichloroethene	4.436	96	63636	1.153	ppbv	93
23) Vinyl Acetate	4.619	43	156807	1.004	ppbv	99
24) 1,1-Dichloroethane	4.555	63	152764	1.264	ppbv	97
25) Ethyl Acetate	5.201	43	274895	1.053	ppbv	99
26) Hexane	5.201	57	119825	1.008	ppbv	93
27) Carbon Disulfide	4.121	76	147050	1.102	ppbv #	91
28) Methyl tert-Butyl Ether	4.587	73	110701	1.159	ppbv	98
29) Chloroform	5.259	83	203626	1.153	ppbv	99
30) Cyclohexane	6.584	84	99102	0.982	ppbv	93
31) cis-1,2-Dichloroethene	5.066	61	122763	1.102	ppbv	98
32) 1,1,1-Trichloroethane	5.989	97	194447	1.046	ppbv	98
34) 2-Butanone	4.783	43	163382	1.127	ppbv	95
35) Carbon Tetrachloride	6.475	117	203828	1.176	ppbv	98
36) Benzene	6.349	78	258412	1.106	ppbv	97
37) 1,2-Dichloroethane	5.793	62	154641	1.255	ppbv	98
38) Trichloroethene	7.272	130	95983	0.931	ppbv	96
39) 1,2-Dichloropropane	7.057	63	103066	1.129	ppbv	92
40) 1,4-Dioxane	7.291	88	40779m	1.192	ppbv	
41) Tetrahydrofuran	5.555	42	93736	0.991	ppbv	94
42) Bromodichloromethane	7.227	83	210280	1.146	ppbv	90
43) Methyl Methacrylate	7.459	69	92492	0.990	ppbv	93
44) 2,2,4-Trimethylpentane	7.307	57	432580	1.095	ppbv	99
45) t-1,3-Dichloropropene	8.693	75	51662m	0.737	ppbv	

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Instrument :
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Manual Integrations
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Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

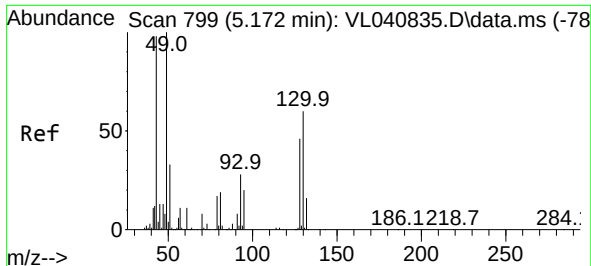
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Mon Nov 13 15:18:50 2023

Response via : Initial Calibration

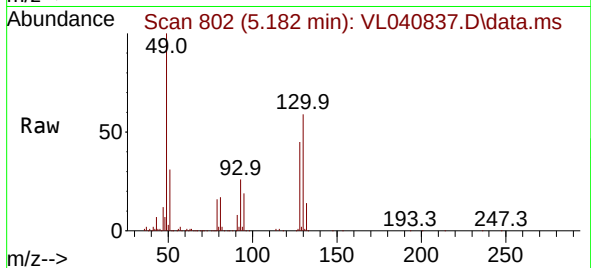
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	70985m	0.814	ppbv	
47) 1,1,2-Trichloroethane	8.873	97	112094m	1.165	ppbv	
48) Dibromochloromethane	9.687	129	170964	1.056	ppbv	99
49) Bromoform	12.378	173	123087	0.954	ppbv	98
50) 4-Methyl-2-Pentanone	8.176	43	232718	0.988	ppbv	96
51) 2-Hexanone	9.545	43	149993	0.843	ppbv #	90
52) Tetrachloroethene	10.593	164	87141	0.929	ppbv	95
53) Toluene	9.201	91	285623	1.031	ppbv	100
54) 1,2-Dibromoethane	9.986	107	137404	1.028	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.484	131	123240	1.071	ppbv #	1
57) Chlorobenzene	11.497	112	222740	1.107	ppbv	88
58) Ethyl Benzene	12.063	91	391353	1.103	ppbv	92
59) m/p-Xylene	12.352	91	675708m	2.306	ppbv	
60) o-Xylene	13.027	91	324138m	1.163	ppbv	
61) Styrene	12.873	104	139790	0.924	ppbv	98
62) Isopropylbenzene	14.005	105	477751	1.120	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.018	83	220731	1.056	ppbv	96
64) n-propylbenzene	14.889	120	115722	1.021	ppbv	82
65) tert-Butylbenzene	16.063	119	395501	1.032	ppbv	92
66) Benzyl Chloride	16.294	91	11750m	0.364	ppbv	
67) sec-Butylbenzene	16.609	105	585185	1.113	ppbv	98
69) p-Isopropyltoluene	16.973	119	464152	1.062	ppbv	98
70) n-Butylbenzene	17.863	91	481193	1.111	ppbv	97
71) 2-Chlorotoluene	14.773	91	356964	1.110	ppbv	99
72) 4-Ethyltoluene	15.169	105	349169	1.081	ppbv	99
73) 1,3,5-Trimethylbenzene	15.326	105	298454	1.049	ppbv	99
74) 1,2,4-Trimethylbenzene	16.085	105	349237m	1.119	ppbv	
75) 1,3-Dichlorobenzene	16.307	146	187741	0.989	ppbv	98
76) 1,4-Dichlorobenzene	16.449	146	178889	0.950	ppbv	98
77) 1,2-Dichlorobenzene	17.121	146	188602	1.015	ppbv	97
78) Hexachloro-1,3-Butadiene	22.606	225	118226m	0.901	ppbv	
79) Naphthalene	21.358	128	180065m	0.750	ppbv	
80) Naphthalene,2-methyl-	24.355	142	21651m	0.360	ppbv	
81) 1,2,4-Trichlorobenzene	21.120	180	98062m	0.752	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

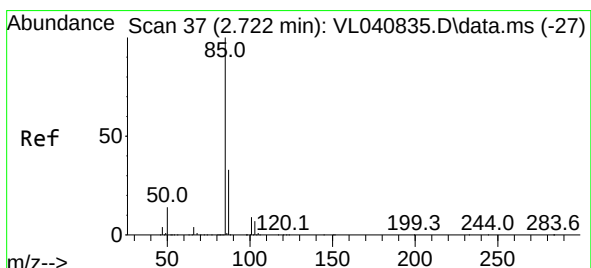
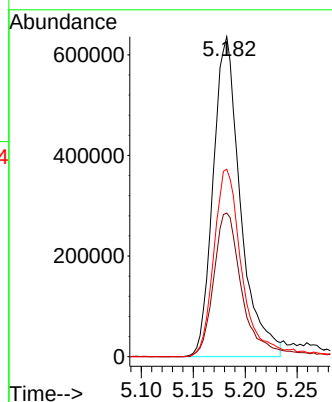
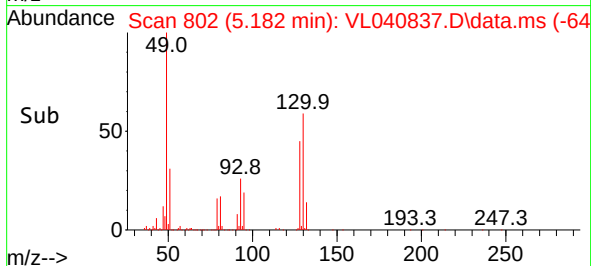
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 49 Resp: 116315
Ion Ratio Lower Upper
49 100
128 48.8 23.8 71.2
130 62.6 30.9 92.8

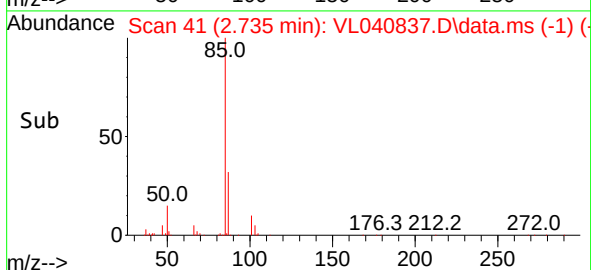
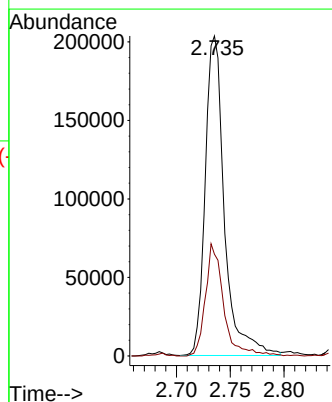
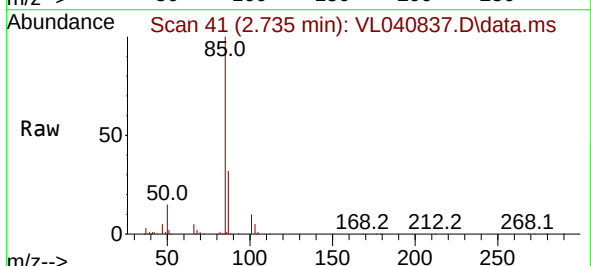
Manual Integrations
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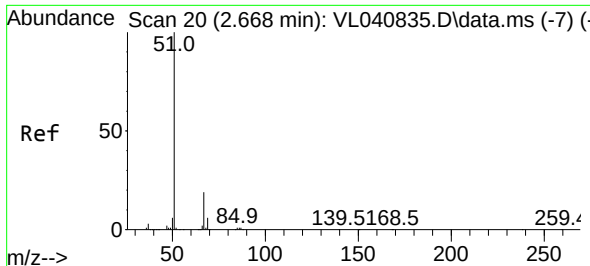
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#2
Dichlorodifluoromethane
Concen: 1.215 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

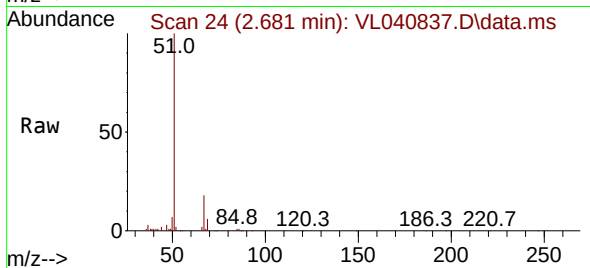
Tgt Ion: 85 Resp: 252127
Ion Ratio Lower Upper
85 100
87 31.8 26.7 40.1





#3
Chlorodifluoromethane
Concen: 1.161 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.013 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

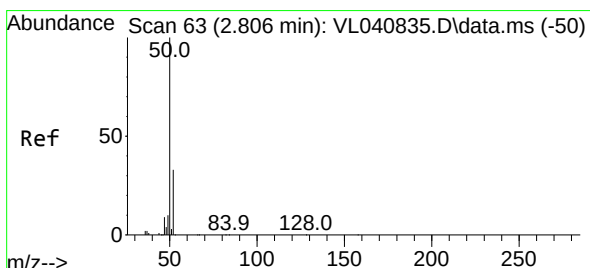
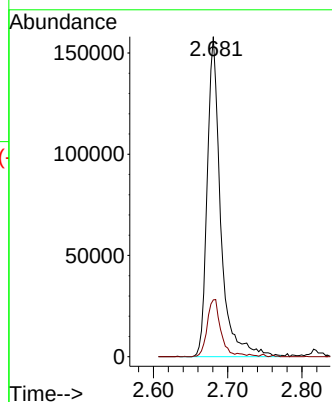
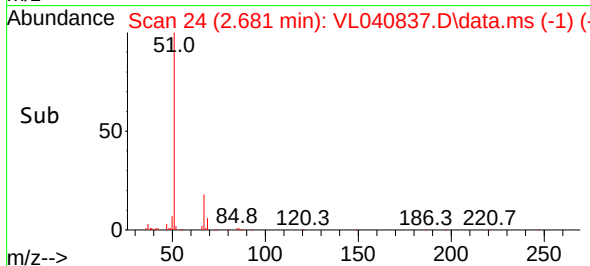
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 51 Resp: 198994
Ion Ratio Lower Upper
51 100
67 18.9 15.0 22.4

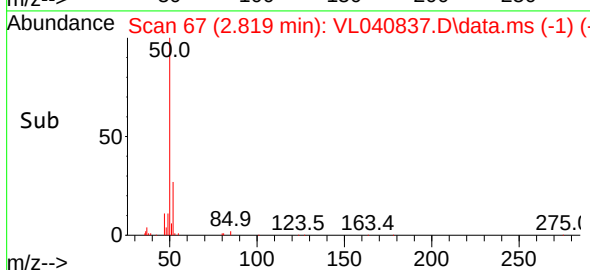
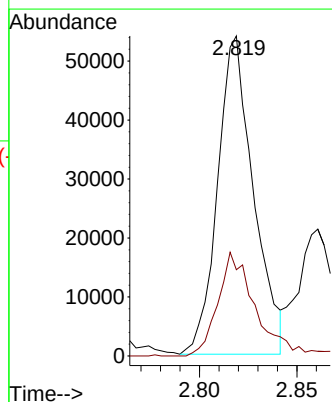
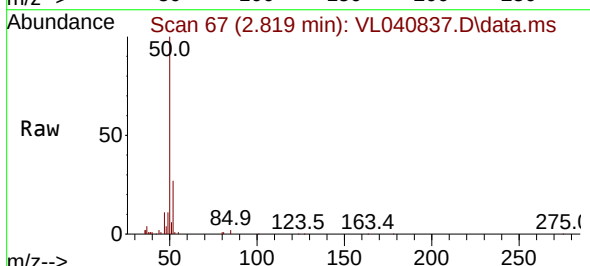
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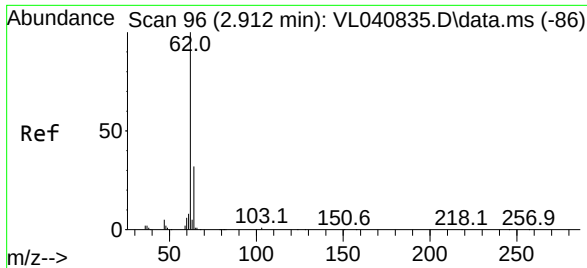
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#4
Chloromethane
Concen: 1.031 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.013 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Tgt Ion: 50 Resp: 69094
Ion Ratio Lower Upper
50 100
52 27.1 26.3 39.5





#5
 Vinyl Chloride
 Concen: 1.016 ppbv
 RT: 2.925 min Scan# 100
 Delta R.T. 0.013 min
 Lab File: VL040837.D
 Acq: 13 Nov 2023 12:03

Instrument :

MSVOA_L

ClientSampleId :

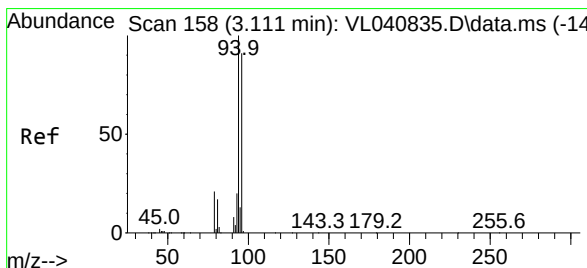
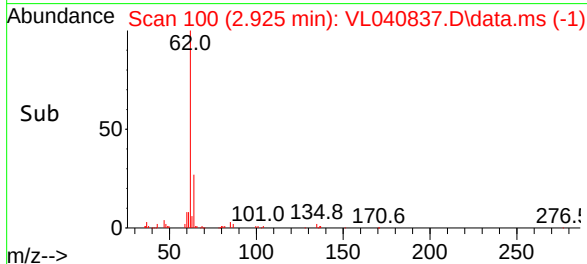
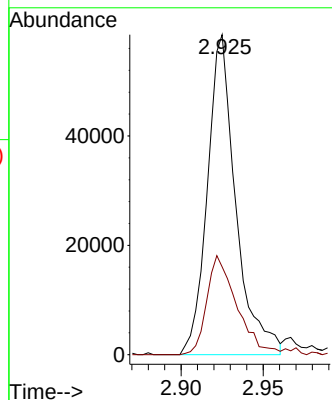
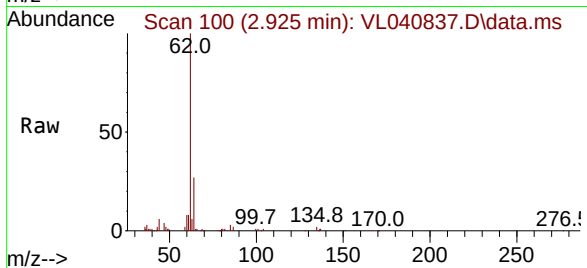
VSTDICC001

Tgt Ion: 62 Resp: 70388
 Ion Ratio Lower Upper
 62 100
 64 27.4 25.4 38.2

Manual Integrations

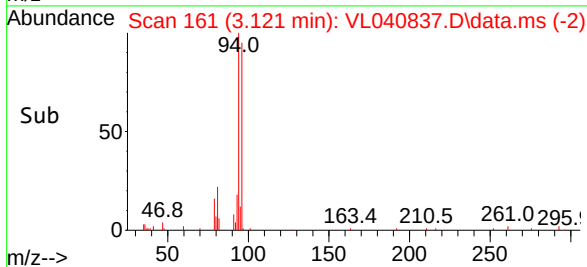
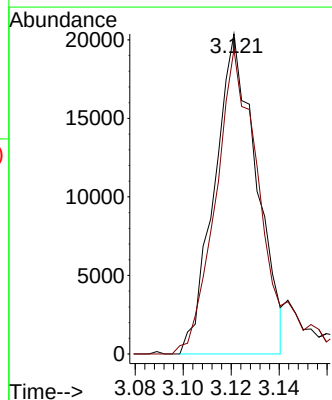
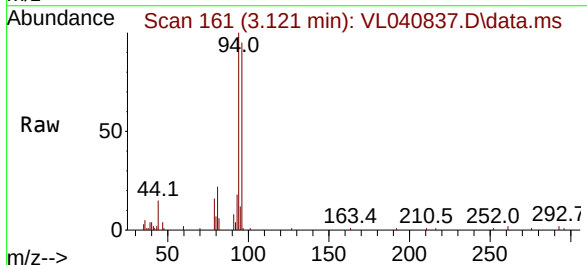
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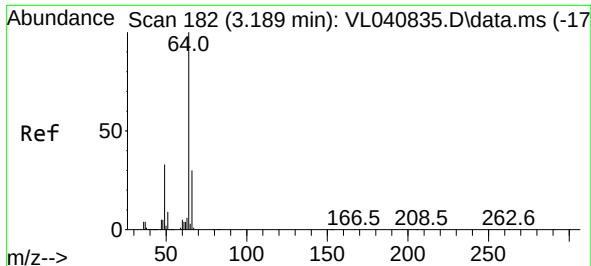
Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023



#6
 Bromomethane
 Concen: 0.890 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.010 min
 Lab File: VL040837.D
 Acq: 13 Nov 2023 12:03

Tgt Ion: 94 Resp: 24797
 Ion Ratio Lower Upper
 94 100
 96 92.5 73.0 109.4





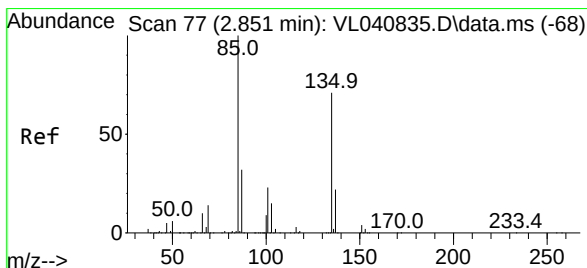
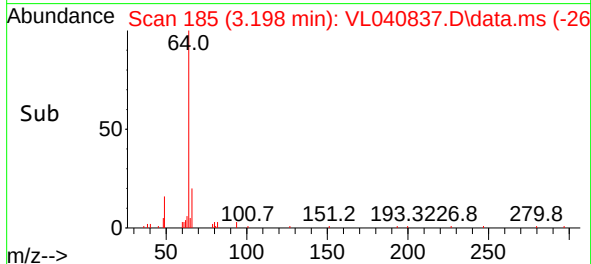
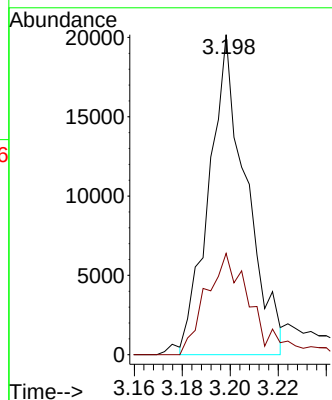
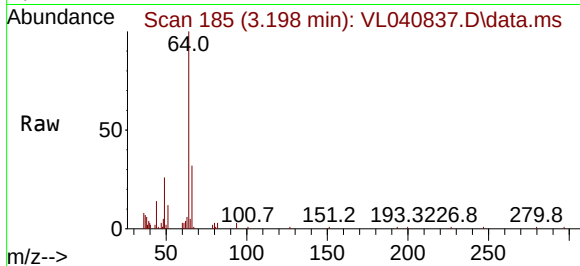
#7
Chloroethane
Concen: 0.968 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 64 Resp: 2170
Ion Ratio Lower Upper
64 100
66 31.7 23.8 35.6

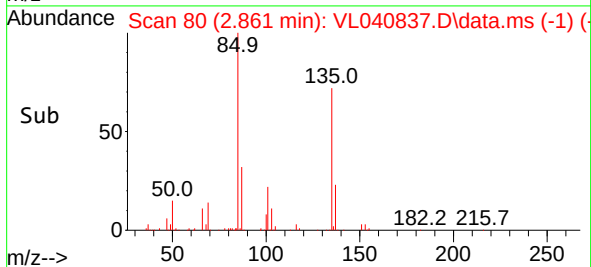
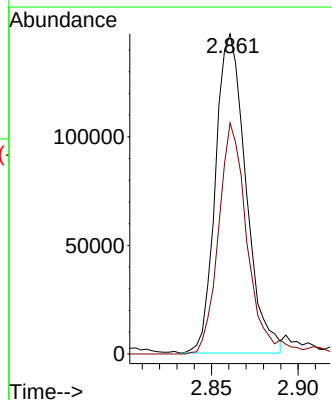
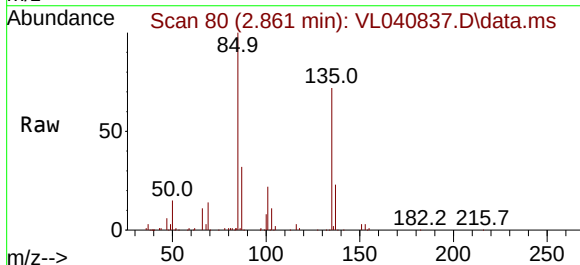
Manual Integrations
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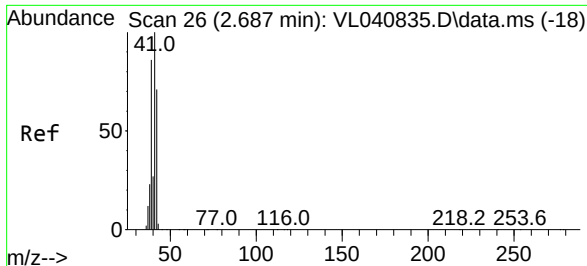
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#8
Dichlorotetrafluoroethane
Concen: 1.151 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Tgt Ion: 85 Resp: 179266
Ion Ratio Lower Upper
85 100
135 71.3 55.3 82.9





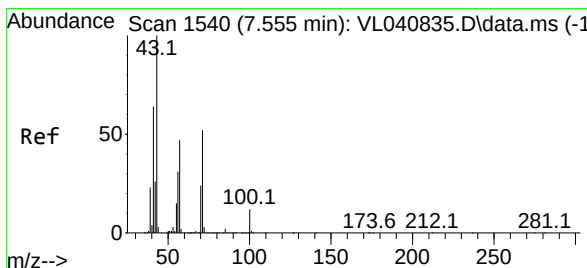
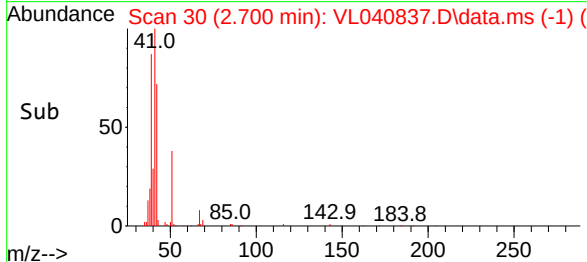
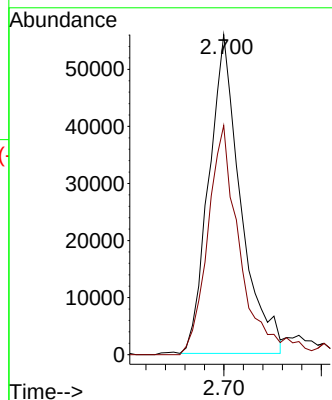
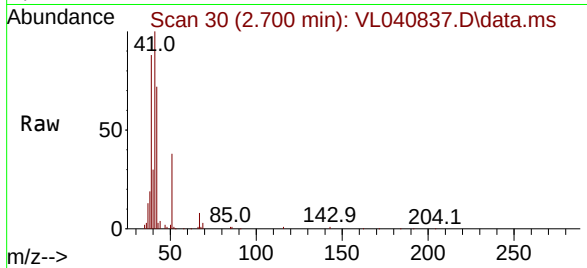
#9
 Propene
 Concen: 1.010 ppbv
 RT: 2.700 min Scan# 30
 Delta R.T. 0.013 min
 Lab File: VL040837.D
 Acq: 13 Nov 2023 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 41 Resp: 63188
 Ion Ratio Lower Upper
 41 100
 42 75.8 56.5 84.7

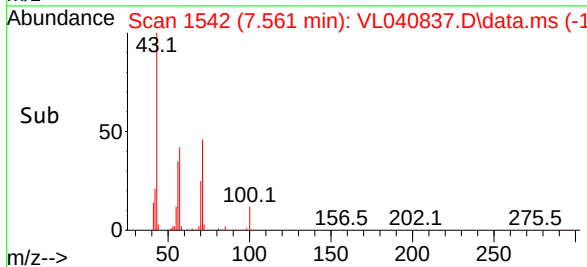
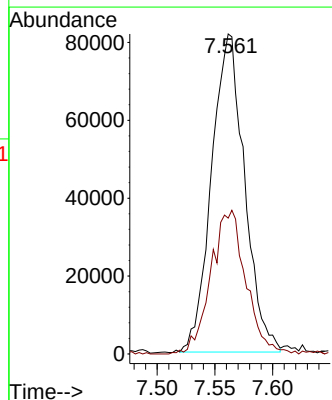
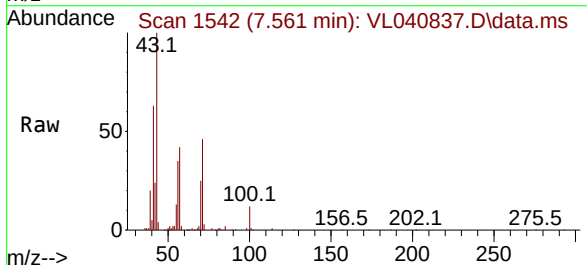
Manual Integrations
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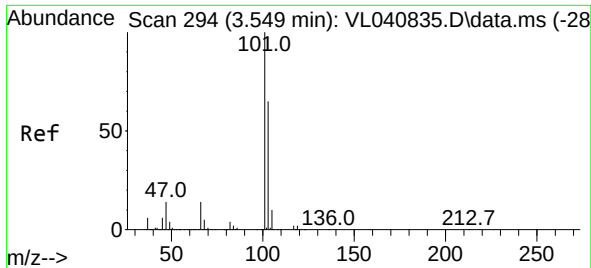
Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023



#10
 Heptane
 Concen: 1.029 ppbv
 RT: 7.561 min Scan# 1542
 Delta R.T. 0.006 min
 Lab File: VL040837.D
 Acq: 13 Nov 2023 12:03

Tgt Ion: 43 Resp: 162318
 Ion Ratio Lower Upper
 43 100
 57 48.5 39.4 59.0





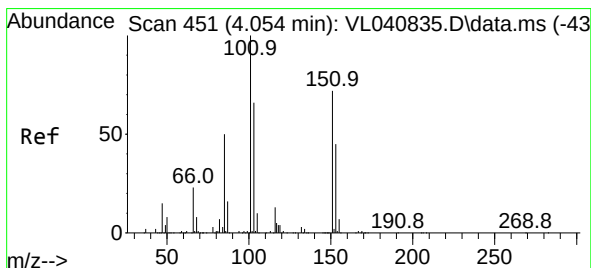
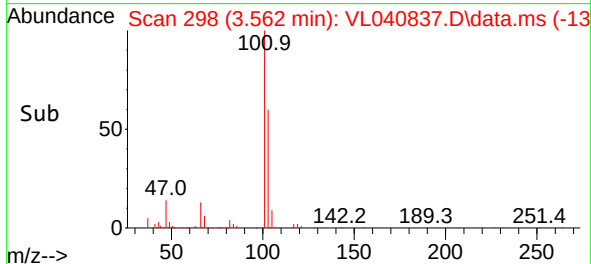
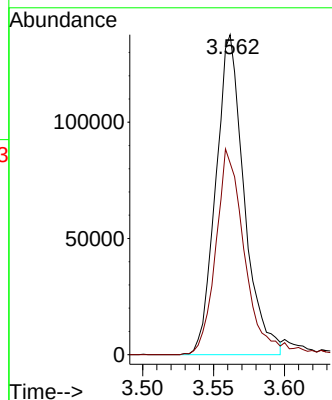
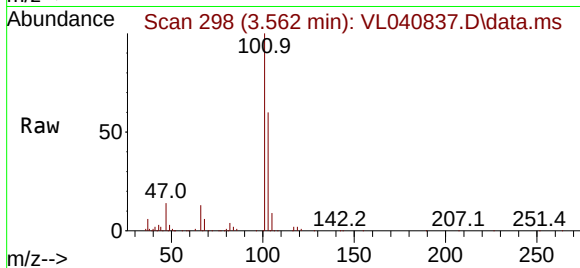
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Trichlorofluoromethane
Concen: 1.193 ppbv
RT: 3.562 min Scan# 294
Delta R.T. 0.013 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:101 Resp: 19129
Ion Ratio Lower Upper
101 100
103 59.9 51.8 77.8

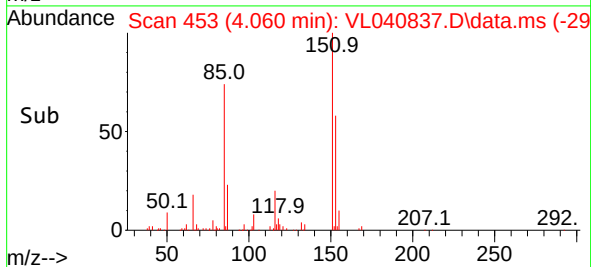
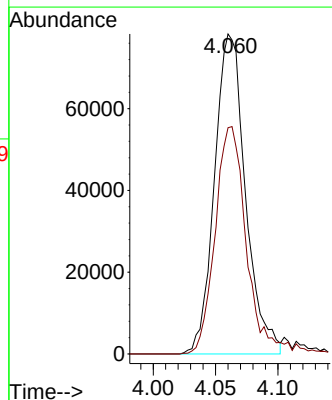
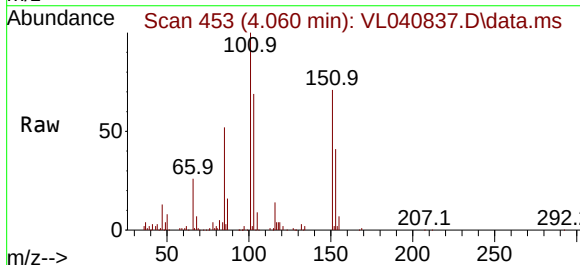
Manual Integrations
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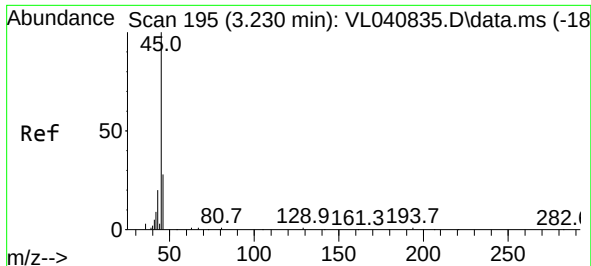
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.186 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.006 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Tgt Ion:101 Resp: 135408
Ion Ratio Lower Upper
101 100
151 72.3 57.8 86.6





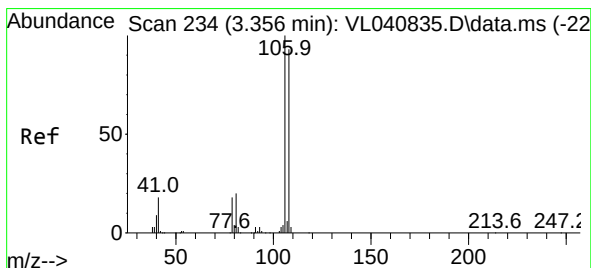
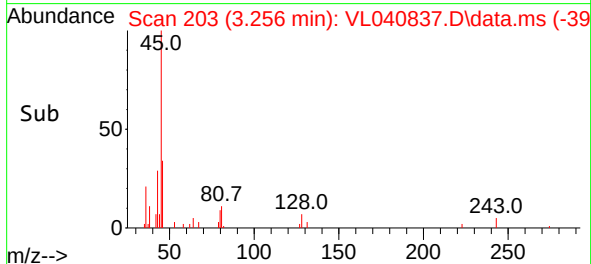
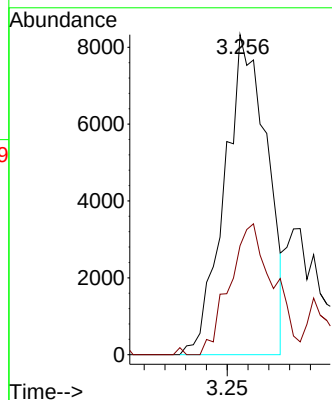
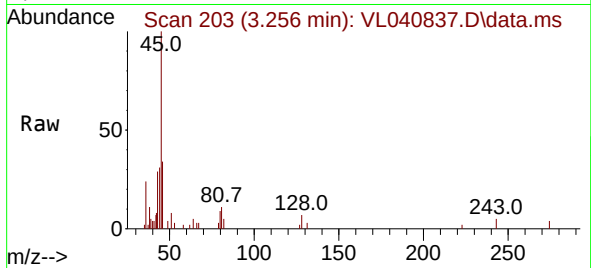
#13
Ethanol
Concen: 0.858 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.026 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 11844
Ion Ratio Lower Upper
45 100
46 57.0 13.3 53.1

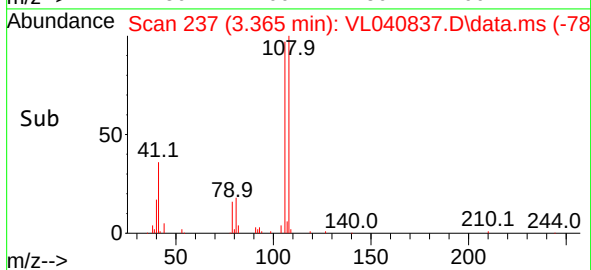
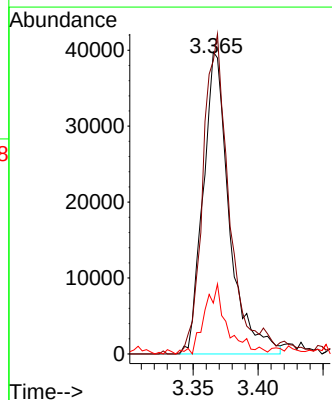
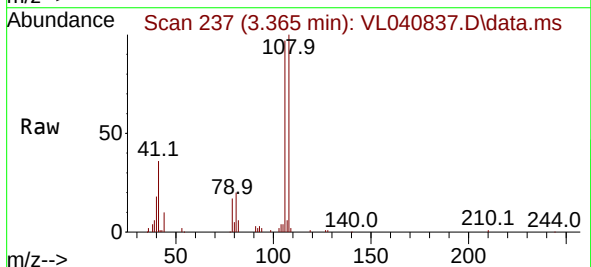
Manual Integrations
APPROVED

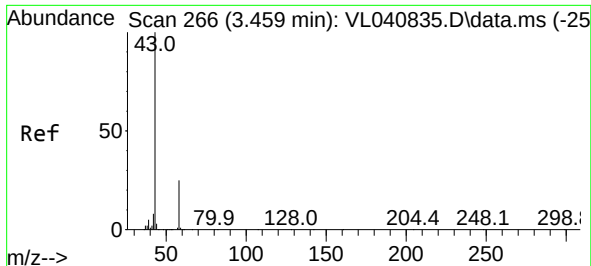
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#14
Bromoethene
Concen: 1.156 ppbv
RT: 3.365 min Scan# 237
Delta R.T. 0.010 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Tgt Ion:108 Resp: 55831
Ion Ratio Lower Upper
108 100
106 110.8 85.5 128.3
79 23.8 16.5 24.7





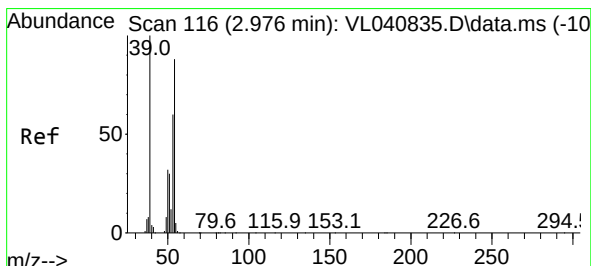
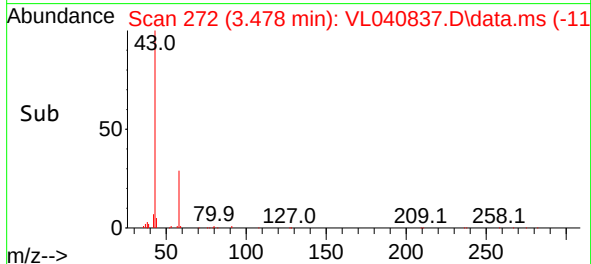
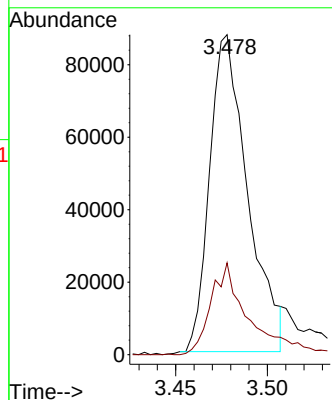
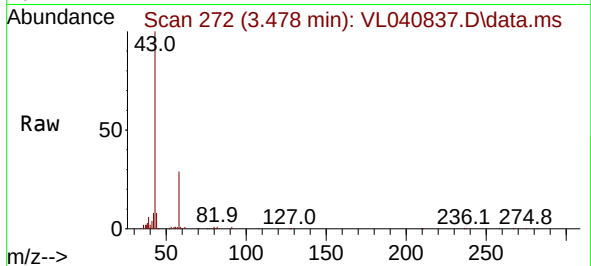
#15
Acetone
Concen: 1.054 ppbv
RT: 3.478 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 126075
Ion Ratio Lower Upper
43 100
58 30.0 20.9 31.3

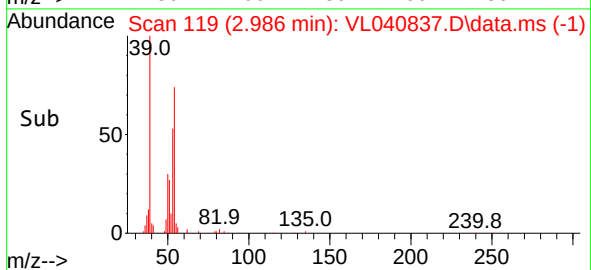
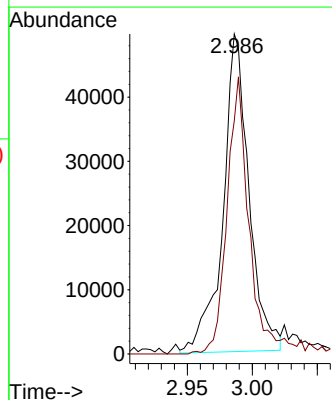
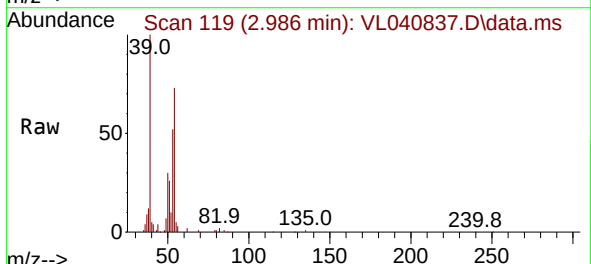
Manual Integrations
APPROVED

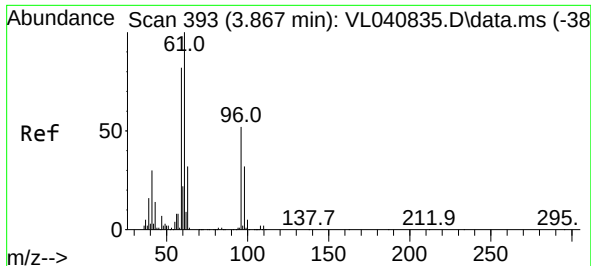
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#16
1,3-Butadiene
Concen: 1.108 ppbv
RT: 2.986 min Scan# 119
Delta R.T. 0.010 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

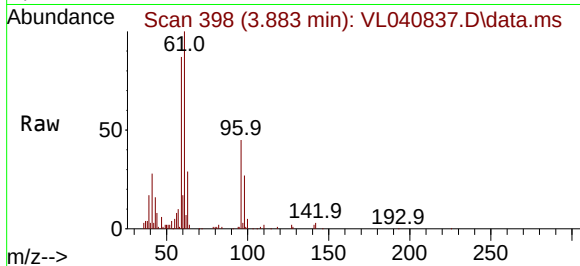
Tgt Ion: 39 Resp: 68968
Ion Ratio Lower Upper
39 100
54 77.2 61.8 92.6





#17
tert-Butyl alcohol
Concen: 0.969 ppbv
RT: 3.883 min Scan# 398
Delta R.T. 0.016 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

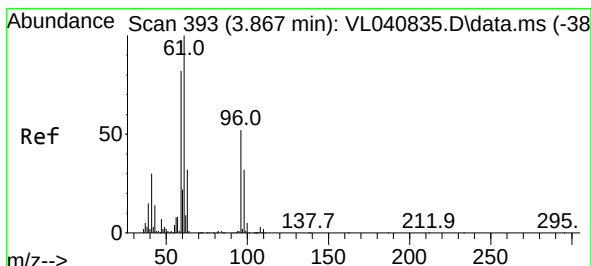
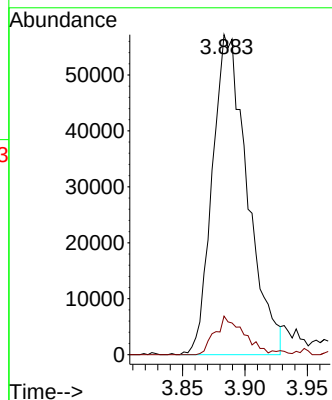
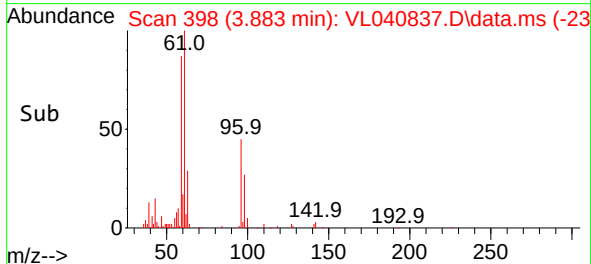
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 59 Resp: 11185
Ion Ratio Lower Upper
59 100
57 10.9 9.0 13.6

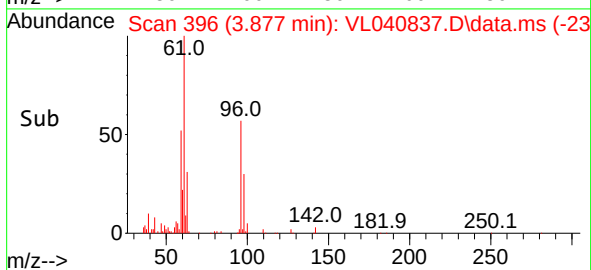
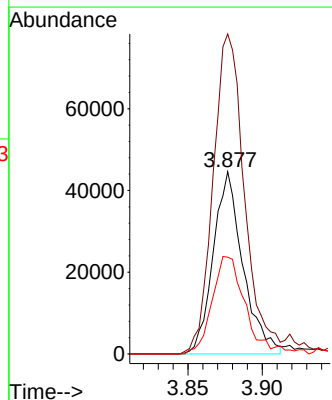
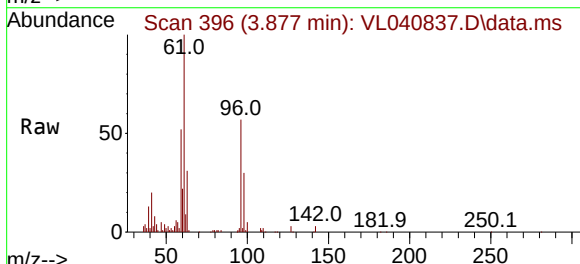
Manual Integrations
APPROVED

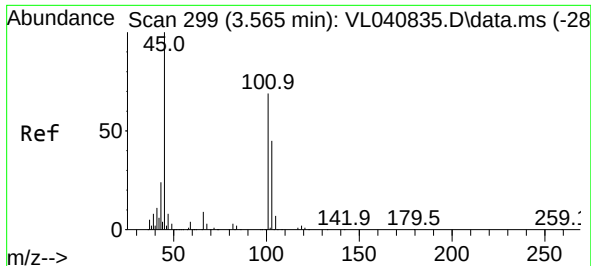
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#18
1,1-Dichloroethene
Concen: 1.218 ppbv
RT: 3.877 min Scan# 396
Delta R.T. 0.010 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Tgt Ion: 96 Resp: 62066
Ion Ratio Lower Upper
96 100
61 175.5 152.6 228.8
98 53.1 49.2 73.8





#19

Isopropyl Alcohol

Concen: 0.968 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.023 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Instrument :

MSVOA_L

ClientSampleId :

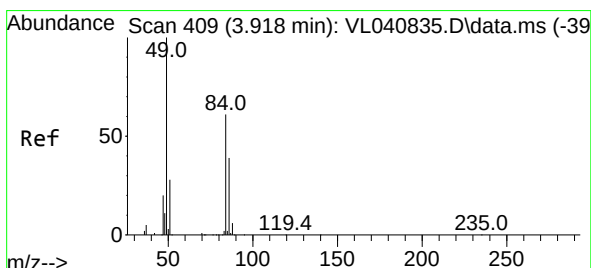
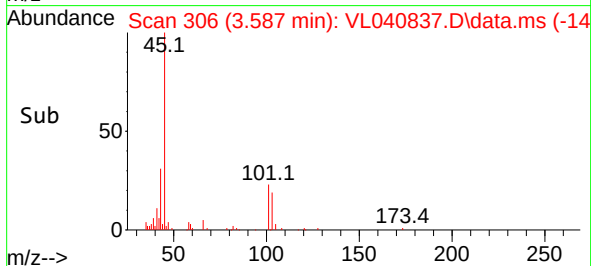
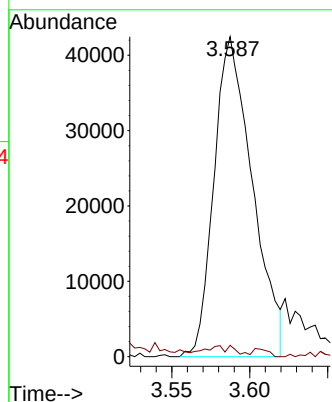
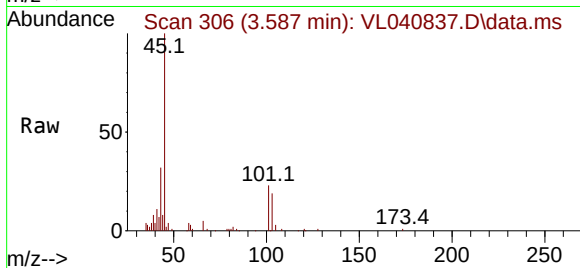
VSTDIC001

Tgt Ion: 45 Resp: 7266
 Ion Ratio Lower Upper
 45 100
 58 3.8 1.6 2.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023



#20

Methylene Chloride

Concen: 1.061 ppbv

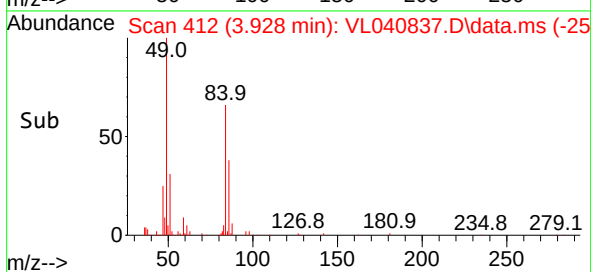
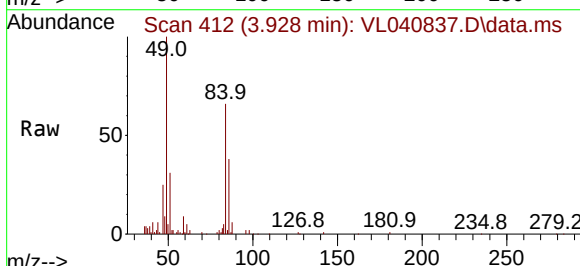
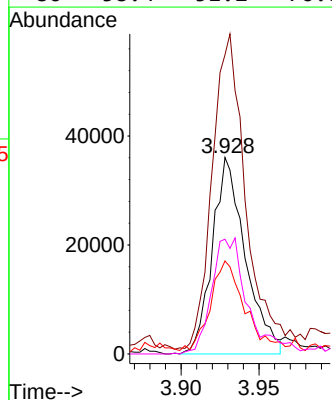
RT: 3.928 min Scan# 412

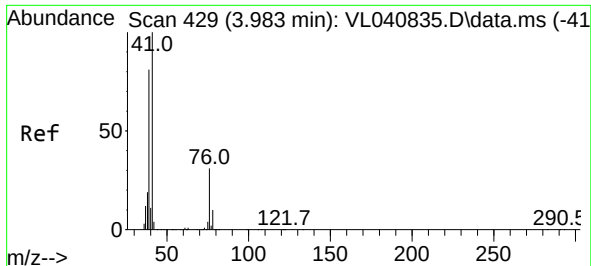
Delta R.T. 0.010 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Tgt Ion: 84 Resp: 53198
 Ion Ratio Lower Upper
 84 100
 49 149.2 131.0 196.4
 51 44.2 36.9 55.3
 86 58.4 51.2 76.8





#21

Allyl Chloride

Concen: 1.024 ppbv

RT: 3.992 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

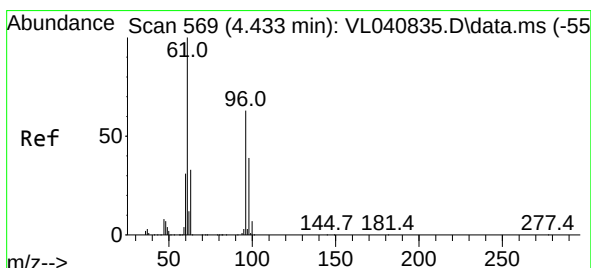
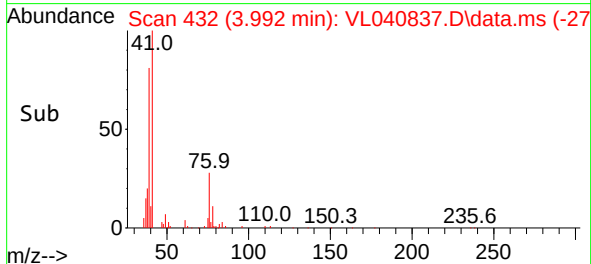
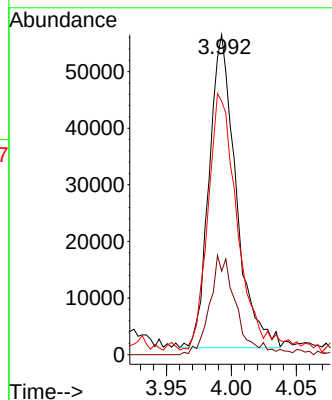
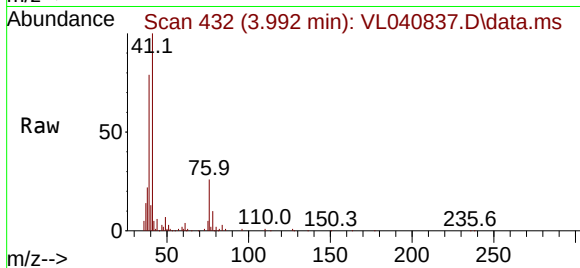
Tgt Ion: 41 Resp: 79749

Ion	Ratio	Lower	Upper
41	100		
76	32.0	24.3	36.5
39	97.5	68.6	103.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#22

trans-1,2-Dichloroethene

Concen: 1.153 ppbv

RT: 4.436 min Scan# 570

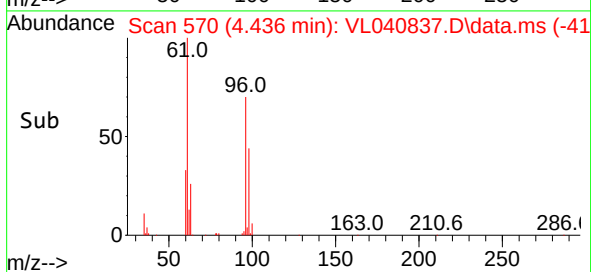
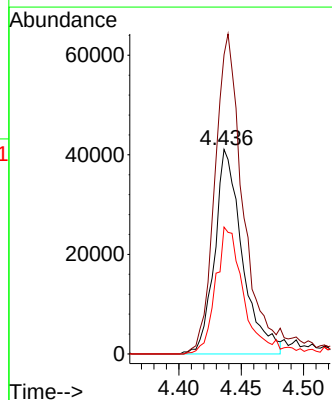
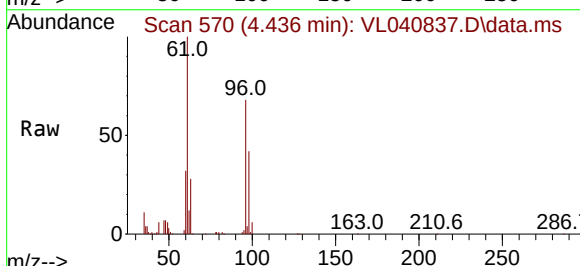
Delta R.T. 0.003 min

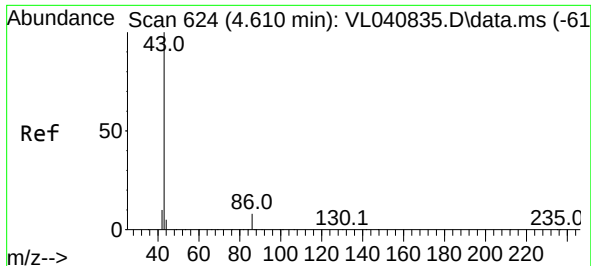
Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Tgt Ion: 96 Resp: 63636

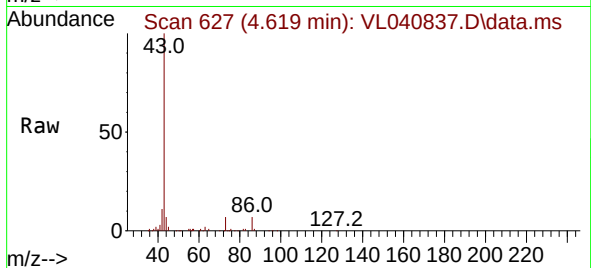
Ion	Ratio	Lower	Upper
96	100		
61	146.3	126.8	190.2
98	62.1	49.9	74.9





#23
 Vinyl Acetate
 Concen: 1.004 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL040837.D
 Acq: 13 Nov 2023 12:03

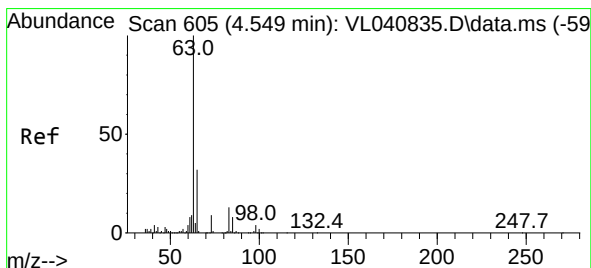
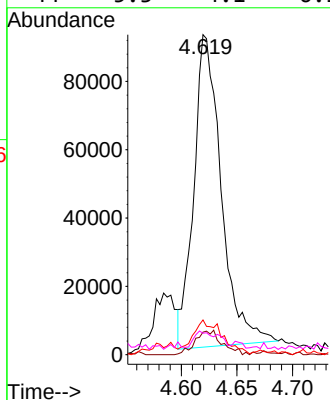
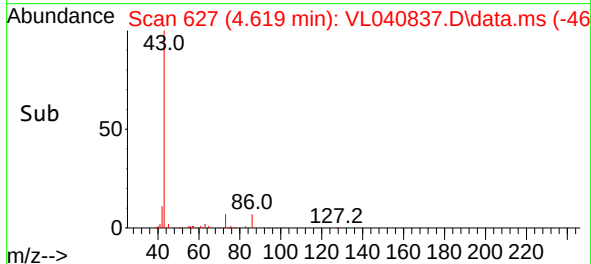
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 43 Resp: 15680
 Ion Ratio Lower Upper
 43 100
 86 7.1 5.5 8.3
 42 10.9 8.2 12.2
 44 5.3 4.1 6.1

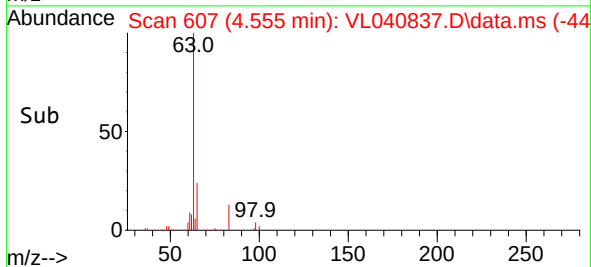
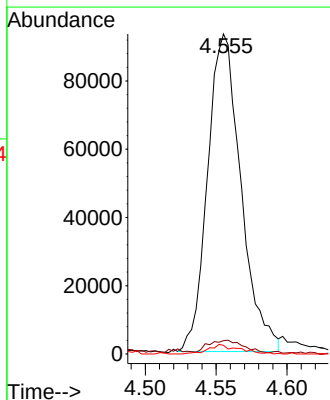
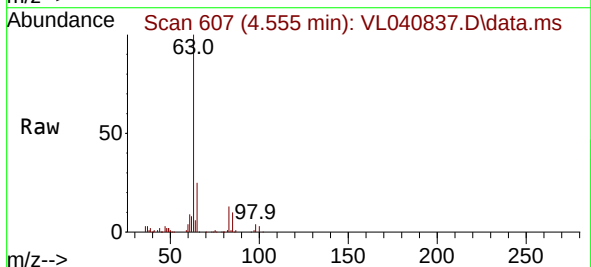
Manual Integrations
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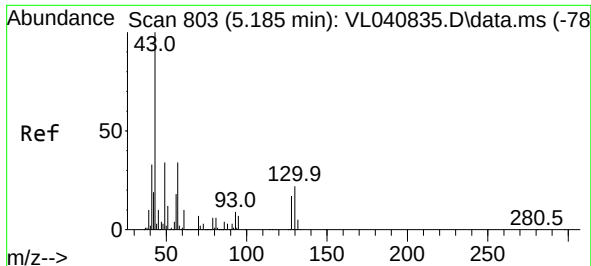
Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023



#24
 1,1-Dichloroethane
 Concen: 1.264 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. 0.006 min
 Lab File: VL040837.D
 Acq: 13 Nov 2023 12:03

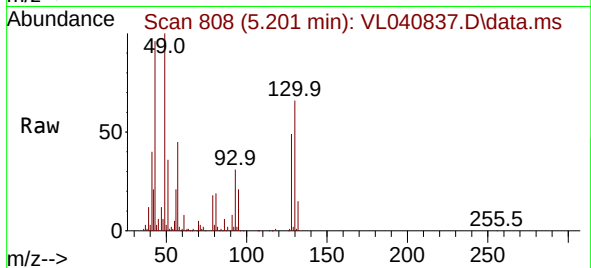
Tgt Ion: 63 Resp: 152764
 Ion Ratio Lower Upper
 63 100
 98 3.4 2.2 6.6
 100 2.7 1.0 3.0





#25
Ethyl Acetate
Concen: 1.053 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.016 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

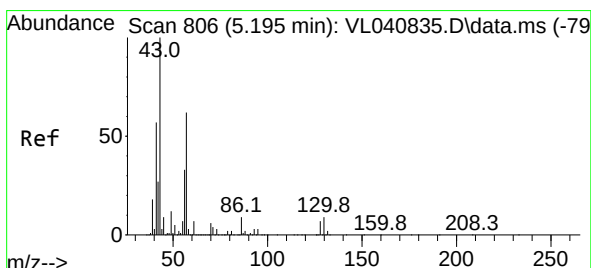
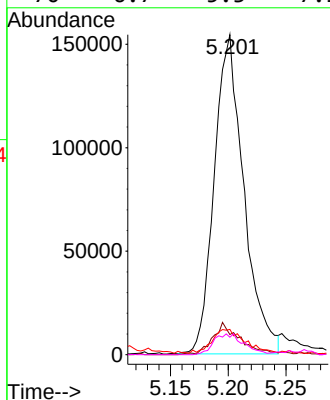
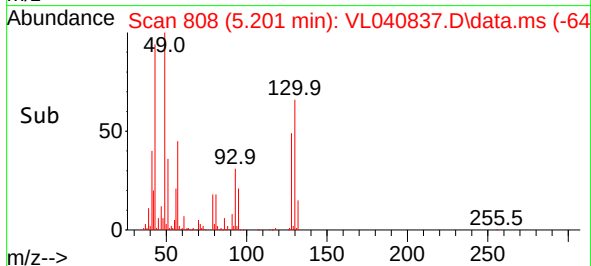
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 43 Resp: 27489
Ion Ratio Lower Upper
43 100
45 10.3 8.1 12.1
61 10.5 7.8 11.6
70 6.7 5.3 7.9

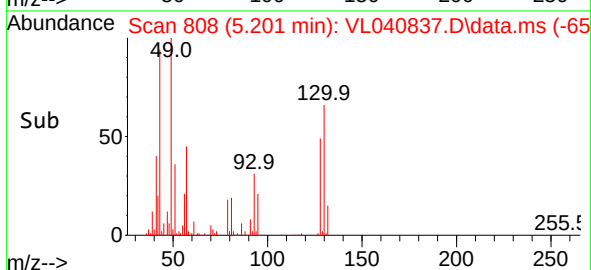
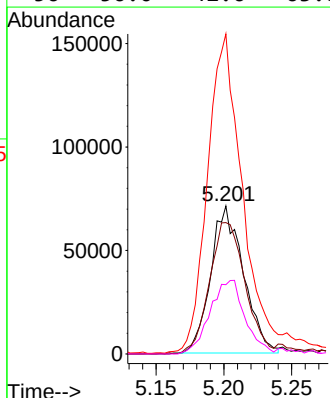
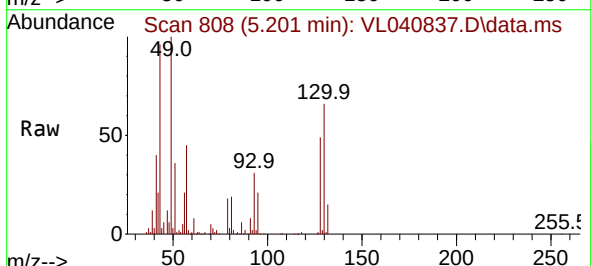
Manual Integrations
APPROVED

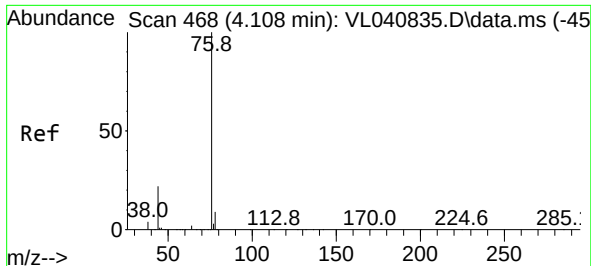
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#26
Hexane
Concen: 1.008 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.006 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Tgt Ion: 57 Resp: 119825
Ion Ratio Lower Upper
57 100
41 102.3 75.2 112.8
43 242.5 185.4 278.2
56 56.0 42.6 63.8





#27

Carbon Disulfide

Concen: 1.102 ppbv

RT: 4.121 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Instrument :

MSVOA_L

ClientSampleId :

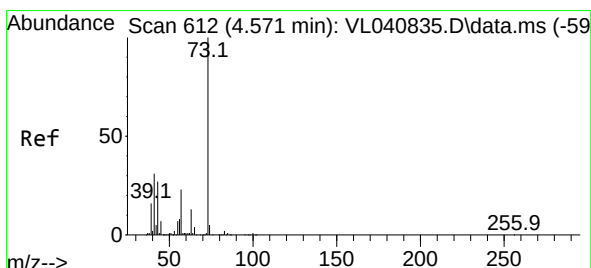
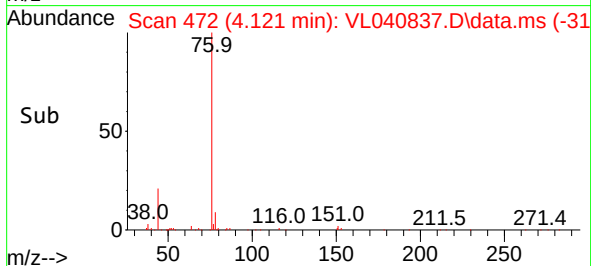
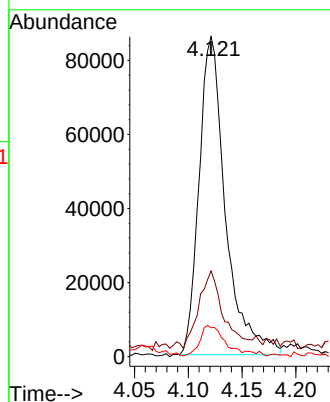
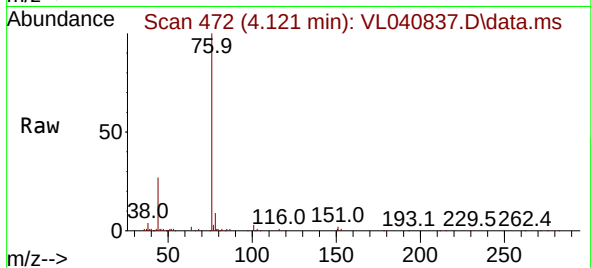
VSTDIC001

Tgt Ion: 76 Resp: 147050
 Ion Ratio Lower Upper
 76 100
 44 26.4 16.6 24.8
 78 10.4 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023



#28

Methyl tert-Butyl Ether

Concen: 1.159 ppbv

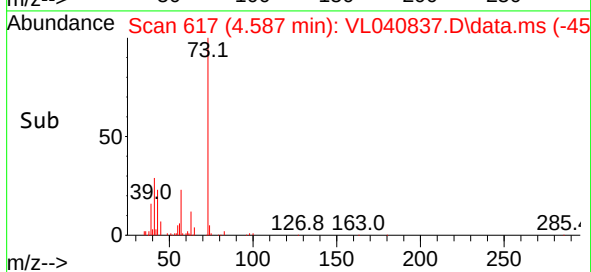
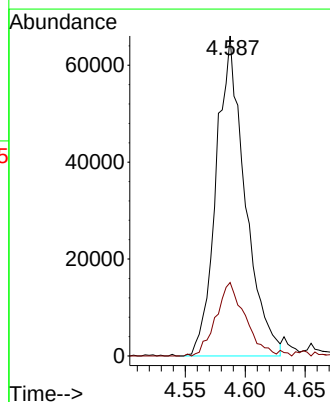
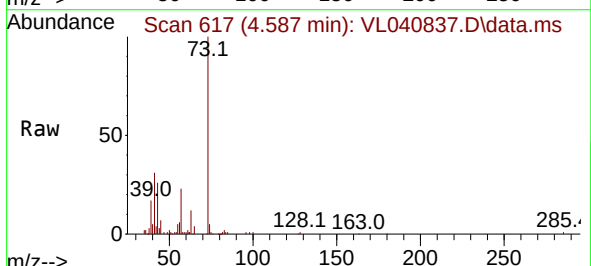
RT: 4.587 min Scan# 617

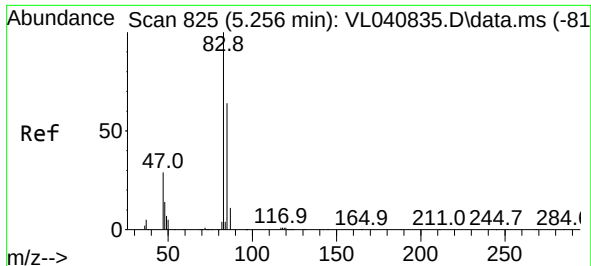
Delta R.T. 0.016 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Tgt Ion: 73 Resp: 110701
 Ion Ratio Lower Upper
 73 100
 57 23.5 18.0 27.0





#29

Chloroform

Concen: 1.153 ppbv

RT: 5.259 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 83 Resp: 203620

Ion Ratio Lower Upper

83 100

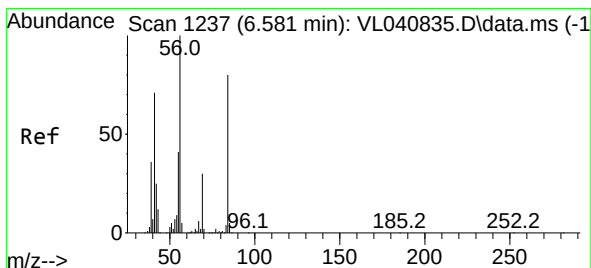
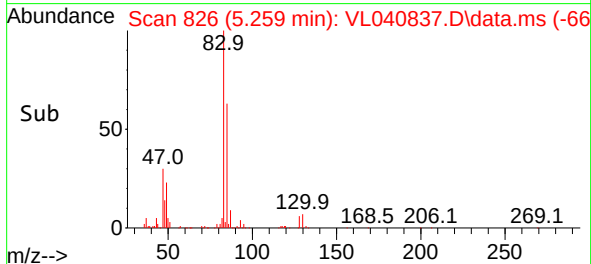
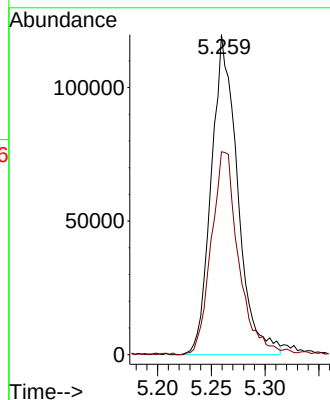
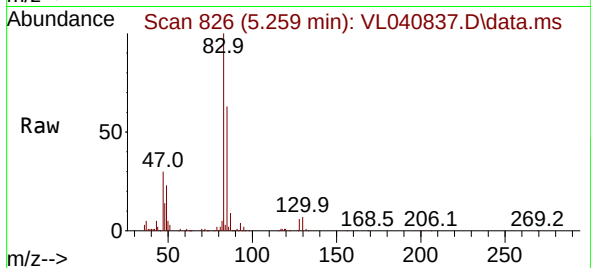
85 63.4 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#30

Cyclohexane

Concen: 0.982 ppbv

RT: 6.584 min Scan# 1238

Delta R.T. 0.003 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

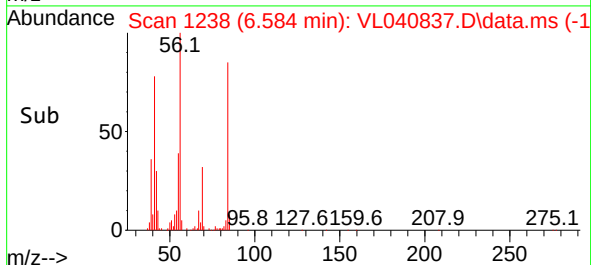
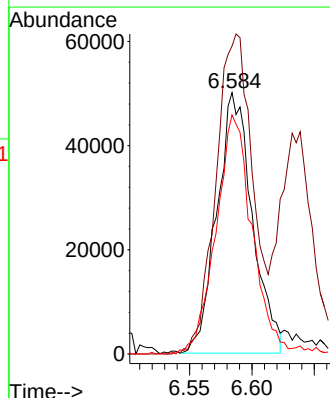
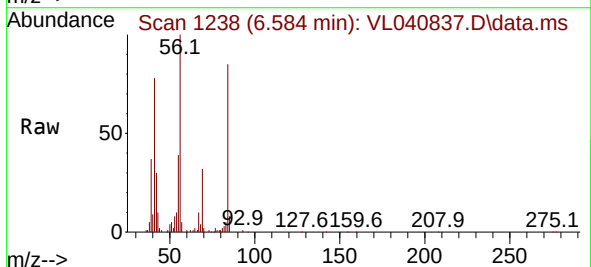
Tgt Ion: 84 Resp: 99102

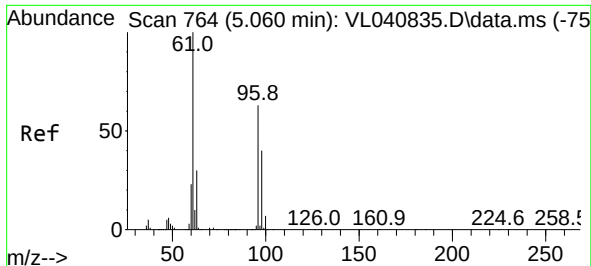
Ion Ratio Lower Upper

84 100

56 127.6 109.3 163.9

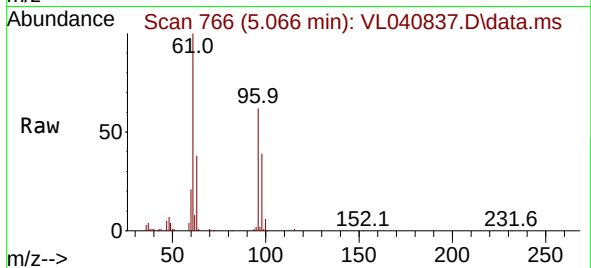
41 95.1 71.4 107.2





#31
 cis-1,2-Dichloroethene
 Concen: 1.102 ppbv
 RT: 5.066 min Scan# 764
 Delta R.T. 0.006 min
 Lab File: VL040837.D
 Acq: 13 Nov 2023 12:03

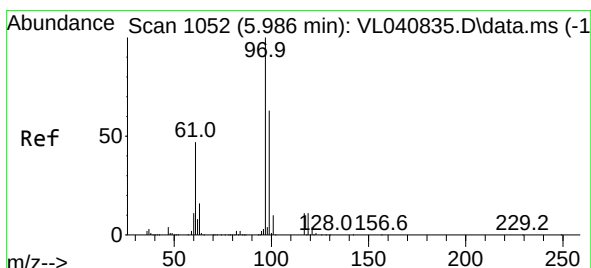
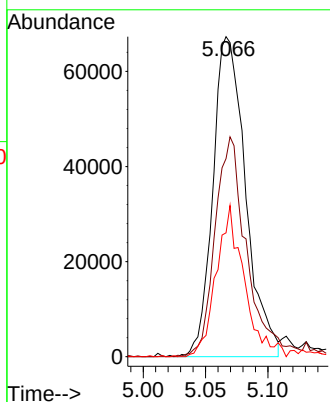
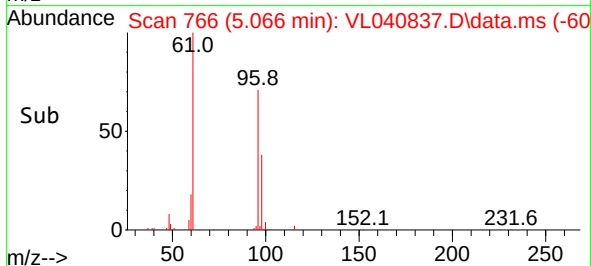
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



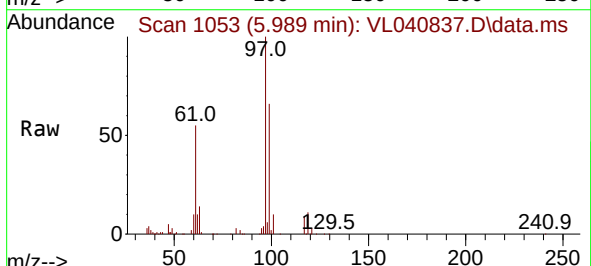
Tgt Ion: 61 Resp: 122761
 Ion Ratio Lower Upper
 61 100
 96 61.4 50.5 75.7
 98 38.7 31.9 47.9

Manual Integrations
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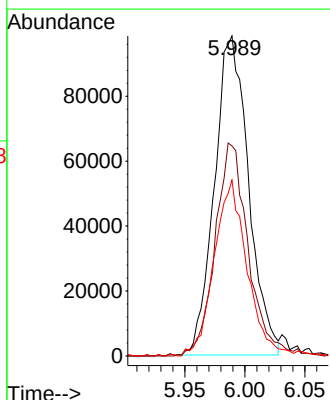
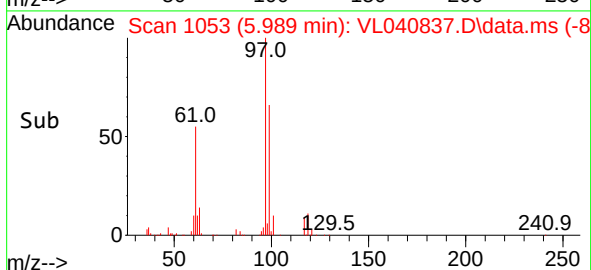
Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

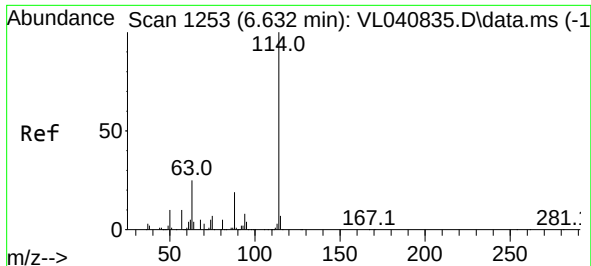


#32
 1,1,1-Trichloroethane
 Concen: 1.046 ppbv
 RT: 5.989 min Scan# 1053
 Delta R.T. 0.003 min
 Lab File: VL040837.D
 Acq: 13 Nov 2023 12:03



Tgt Ion: 97 Resp: 194447
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.2 78.4
 61 53.9 41.0 61.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL040837.D

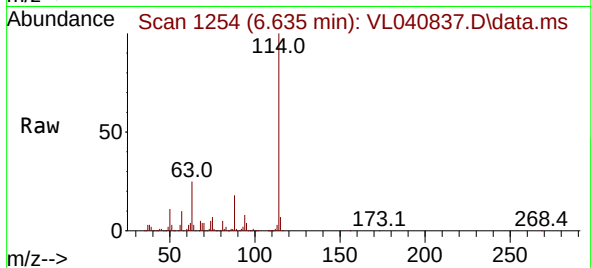
Acq: 13 Nov 2023 12:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:114 Resp: 3038114

Ion Ratio Lower Upper

114 100

63 25.4 20.7 31.1

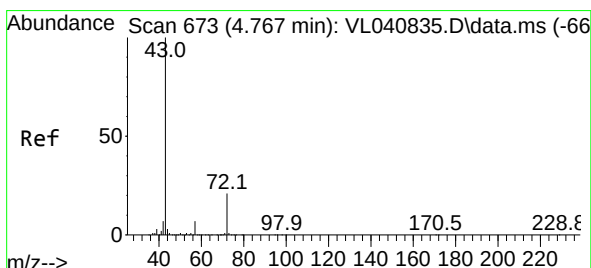
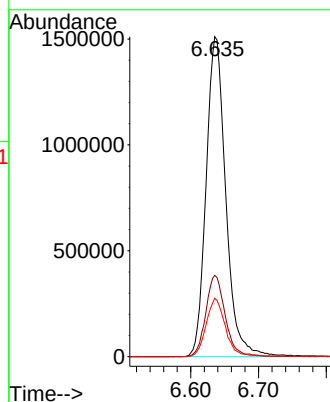
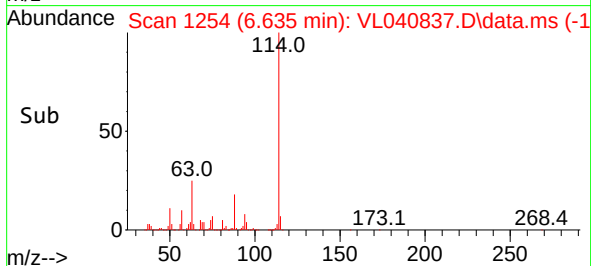
88 17.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#34

2-Butanone

Concen: 1.127 ppbv

RT: 4.783 min Scan# 678

Delta R.T. 0.016 min

Lab File: VL040837.D

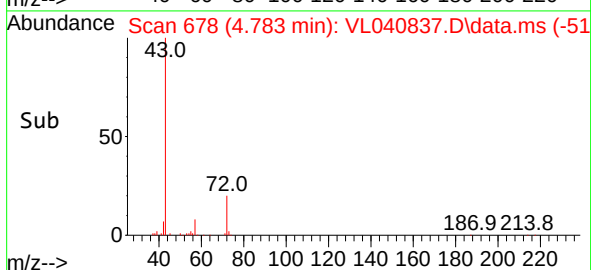
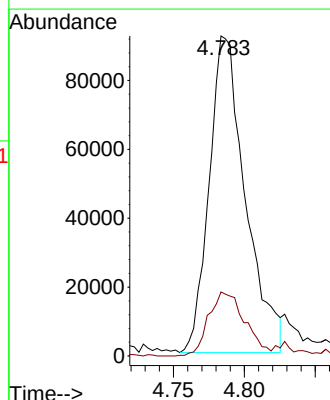
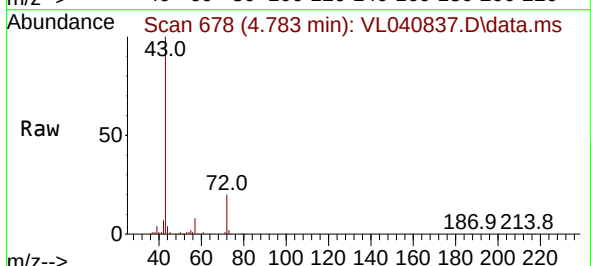
Acq: 13 Nov 2023 12:03

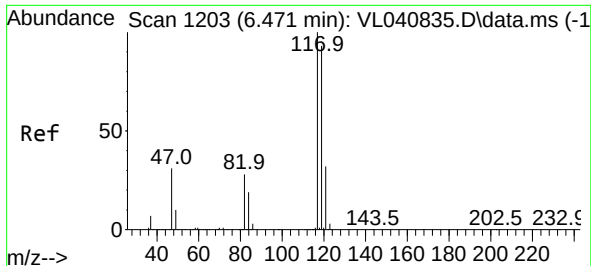
Tgt Ion: 43 Resp: 163382

Ion Ratio Lower Upper

43 100

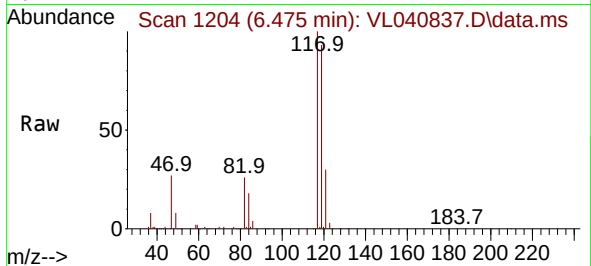
72 23.7 17.2 25.8





#35
Carbon Tetrachloride
Concen: 1.176 ppbv
RT: 6.475 min Scan# 117
Delta R.T. 0.003 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

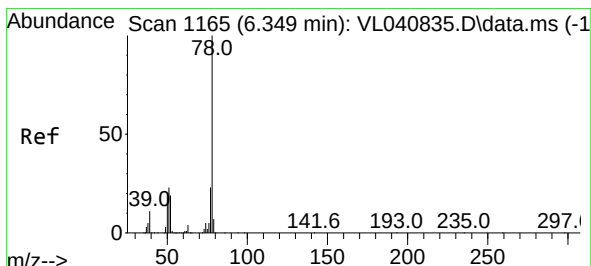
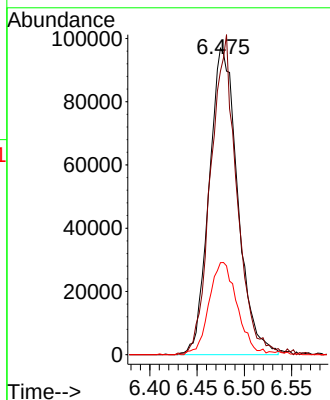
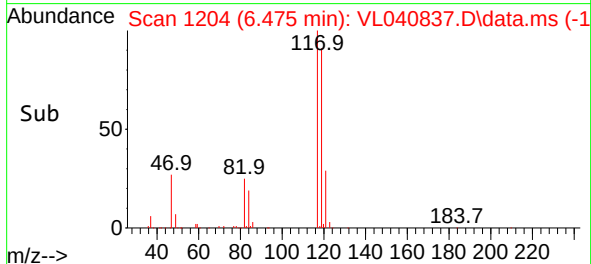
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



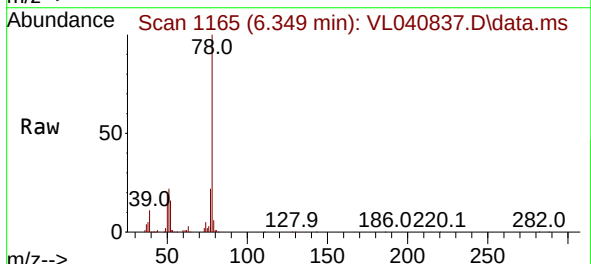
Tgt Ion: 117 Resp: 203828
Ion Ratio Lower Upper
117 100
119 92.0 74.7 112.1
121 29.8 25.5 38.3

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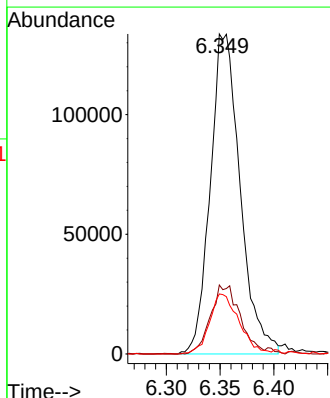
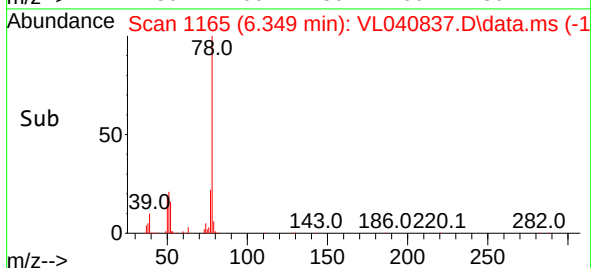
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

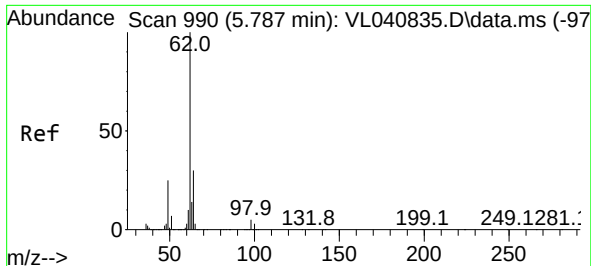


#36
Benzene
Concen: 1.106 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03



Tgt Ion: 78 Resp: 258412
Ion Ratio Lower Upper
78 100
77 21.6 18.4 27.6
50 18.8 16.2 24.2





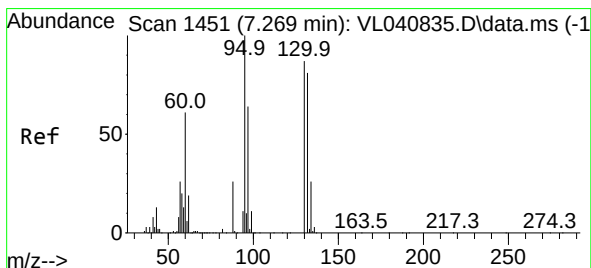
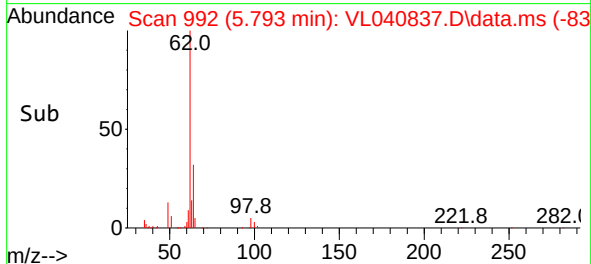
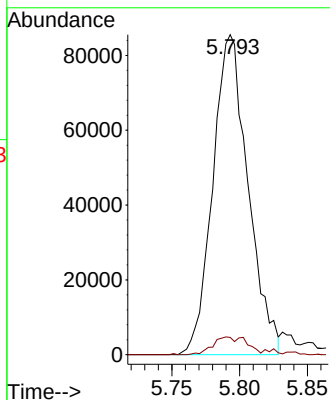
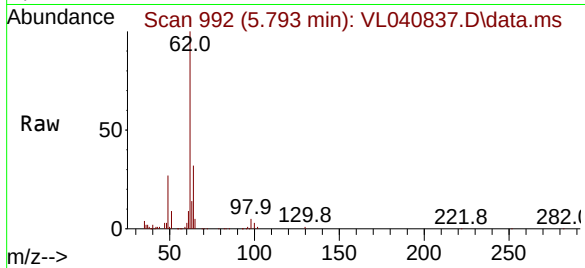
#37
1,2-Dichloroethane
Concen: 1.255 ppbv
RT: 5.793 min Scan# 990
Delta R.T. 0.006 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 62 Resp: 15464
Ion Ratio Lower Upper
62 100
98 6.3 4.6 6.8

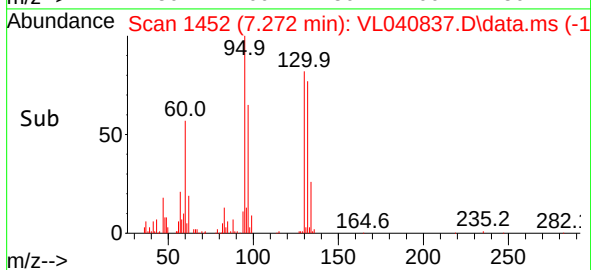
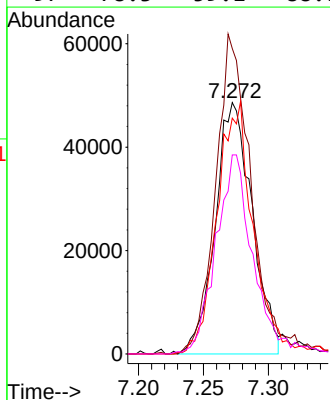
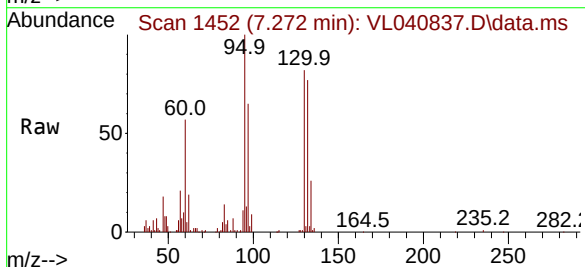
Manual Integrations
APPROVED

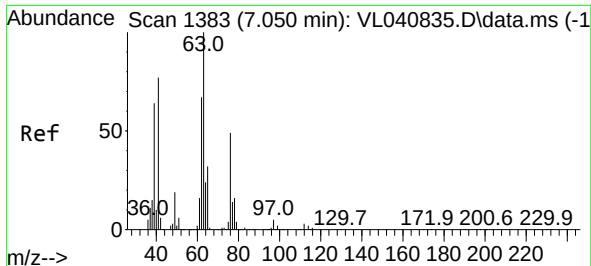
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#38
Trichloroethene
Concen: 0.931 ppbv
RT: 7.272 min Scan# 1452
Delta R.T. 0.003 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Tgt Ion:130 Resp: 95983
Ion Ratio Lower Upper
130 100
95 121.5 92.4 138.6
132 93.2 75.1 112.7
97 78.3 59.1 88.7





#39

1,2-Dichloropropane

Concen: 1.129 ppbv

RT: 7.057 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 63 Resp: 10306

Ion Ratio Lower Upper

63 100

41 77.5 61.5 92.3

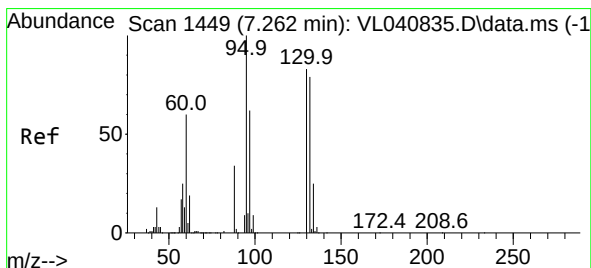
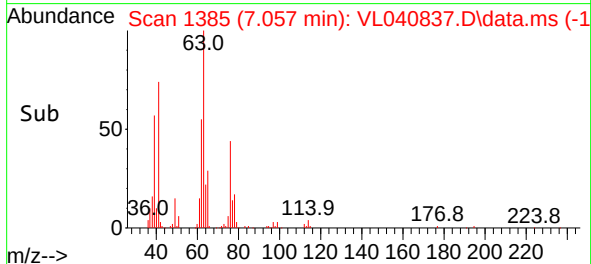
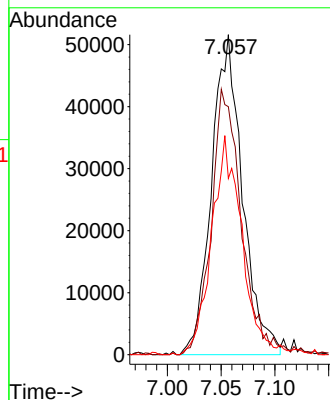
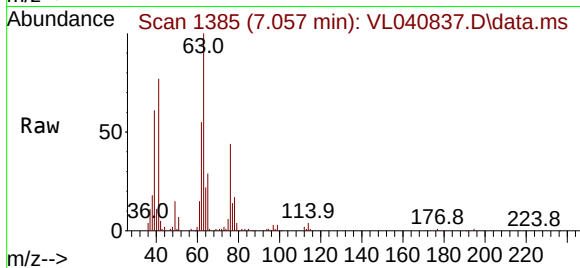
62 55.1 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#40

1,4-Dioxane

Concen: 1.192 ppbv m

RT: 7.291 min Scan# 1458

Delta R.T. 0.029 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Tgt Ion: 88 Resp: 40779

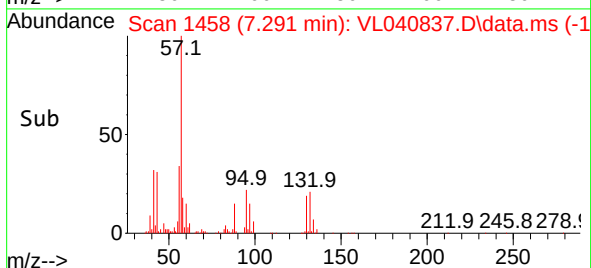
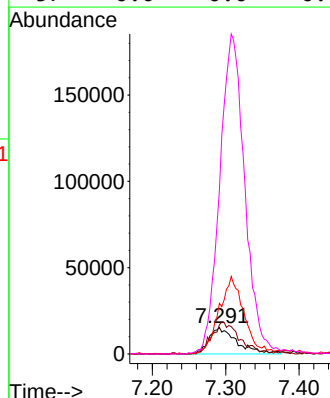
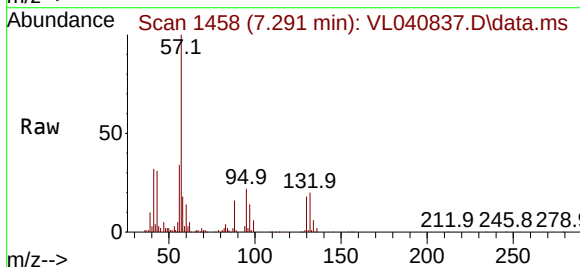
Ion Ratio Lower Upper

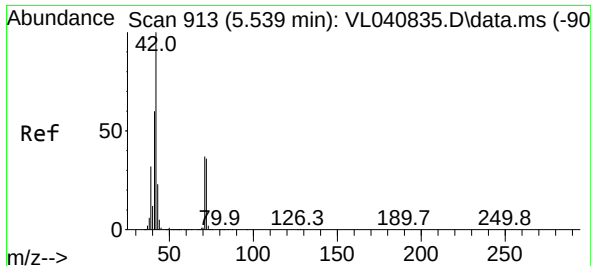
88 100

58 0.0 101.5 152.3#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.991 ppbv

RT: 5.555 min Scan# 913

Delta R.T. 0.016 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

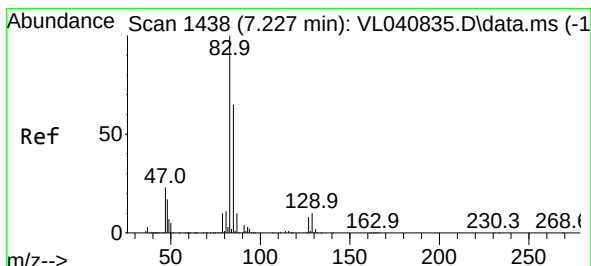
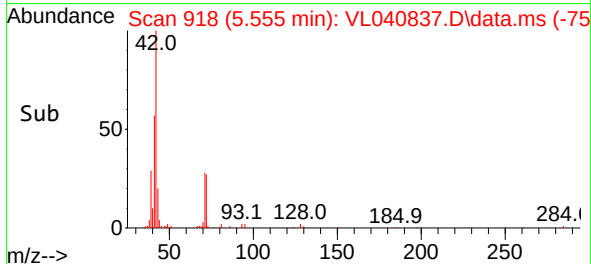
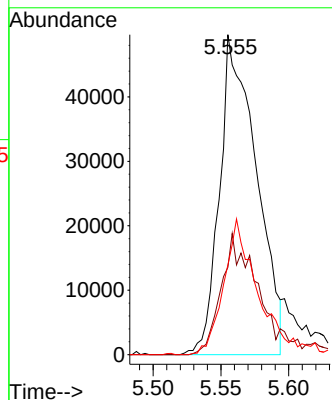
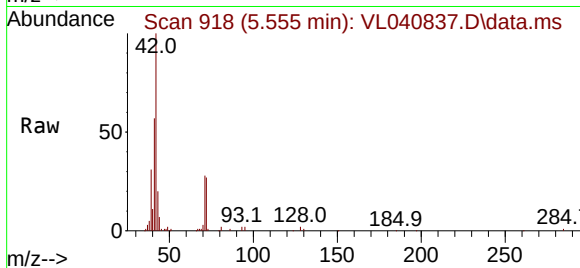
Tgt Ion: 42 Resp: 93730

Ion	Ratio	Lower	Upper
42	100		
72	41.9	30.8	46.2
71	41.2	30.0	45.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#42

Bromodichloromethane

Concen: 1.146 ppbv

RT: 7.227 min Scan# 1438

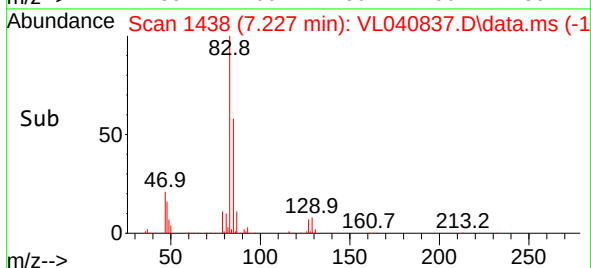
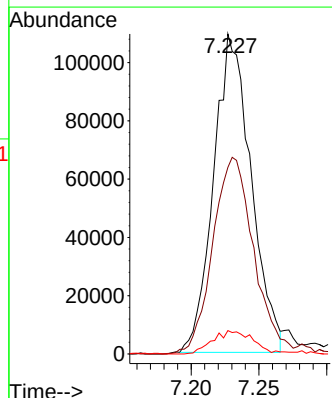
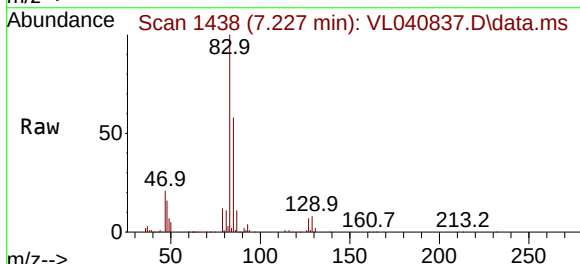
Delta R.T. 0.000 min

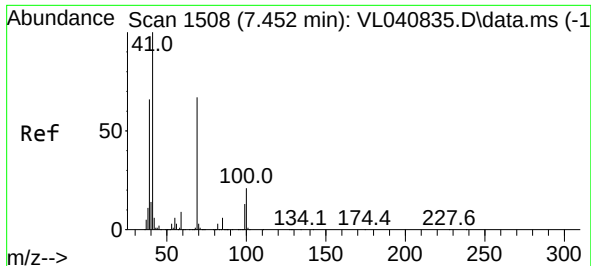
Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Tgt Ion: 83 Resp: 210280

Ion	Ratio	Lower	Upper
83	100		
85	56.9	52.3	78.5
127	7.3	6.6	10.0





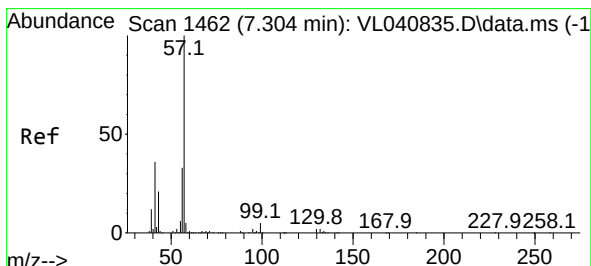
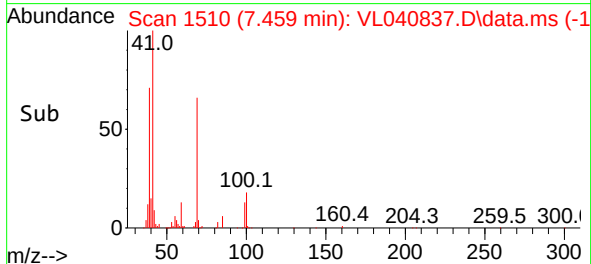
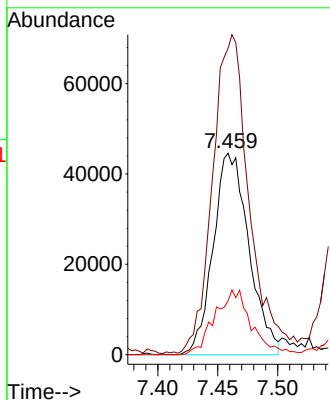
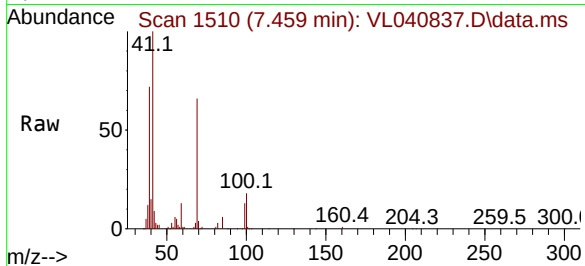
#43
Methyl Methacrylate
Concen: 0.990 ppbv
RT: 7.459 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 92492
Ion Ratio Lower Upper
69 100
41 163.9 123.5 185.3
100 33.1 25.4 38.2

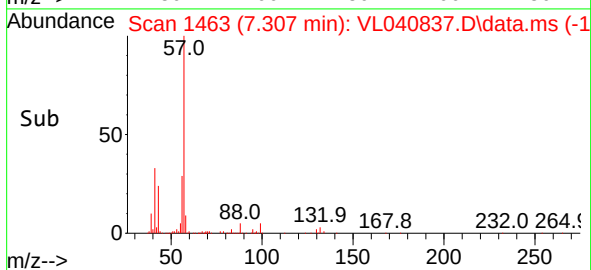
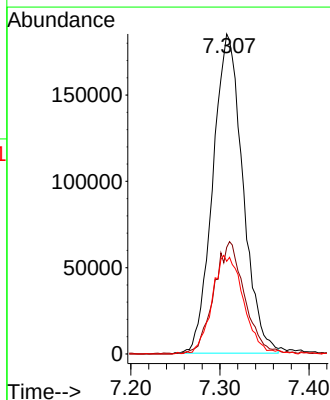
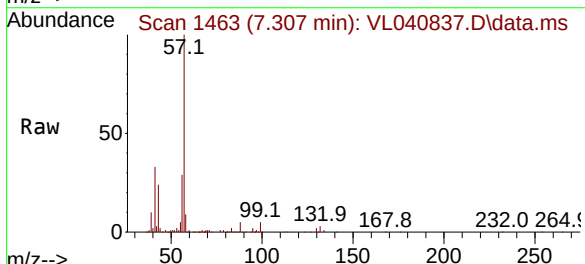
Manual Integrations
APPROVED

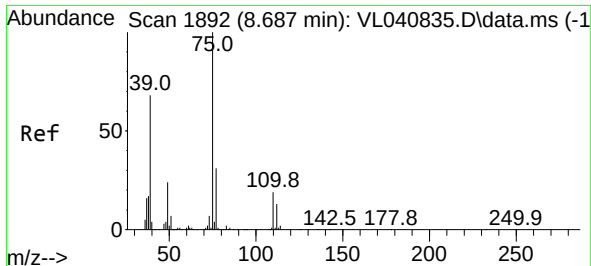
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#44
2,2,4-Trimethylpentane
Concen: 1.095 ppbv
RT: 7.307 min Scan# 1463
Delta R.T. 0.003 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Tgt Ion: 57 Resp: 432580
Ion Ratio Lower Upper
57 100
41 36.4 29.0 43.6
56 32.6 25.2 37.8





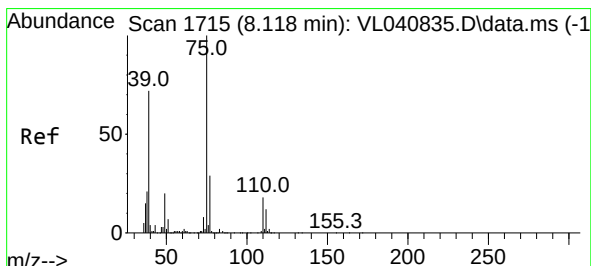
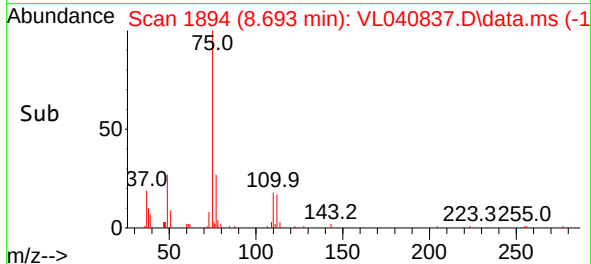
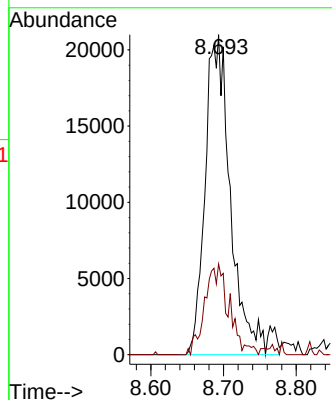
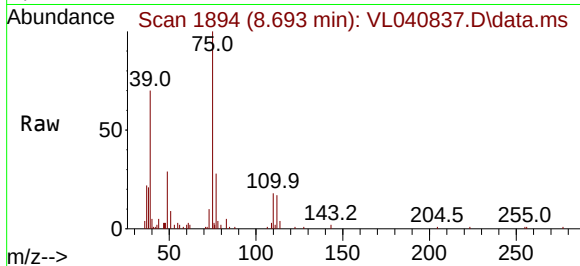
#45
 t-1,3-Dichloropropene
 Concen: 0.737 ppbv m
 RT: 8.693 min Scan# 1894
 Delta R.T. 0.006 min
 Lab File: VL040837.D
 Acq: 13 Nov 2023 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Tgt Ion: 75 Resp: 5166
 Ion Ratio Lower Upper
 75 100
 77 28.4 24.9 37.3

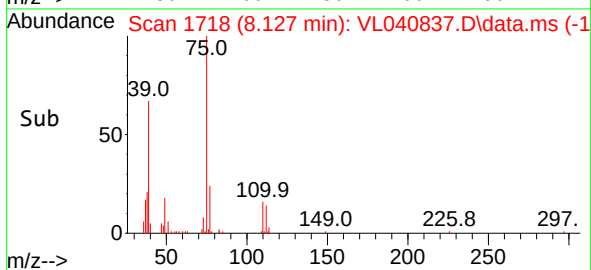
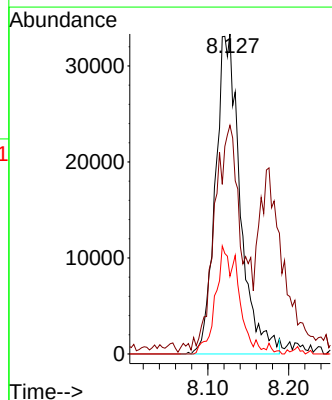
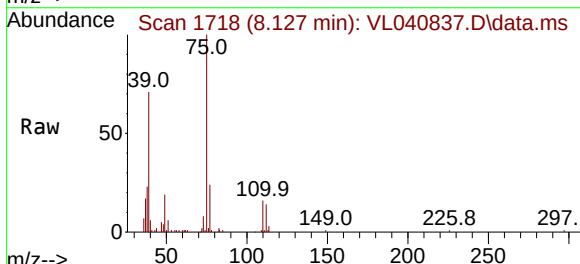
Manual Integrations
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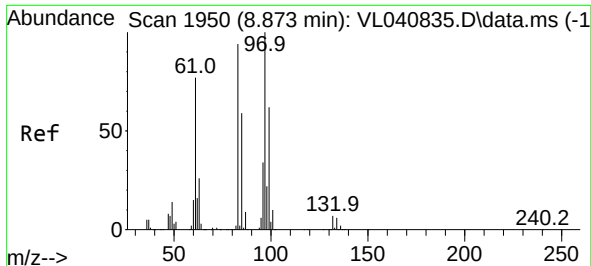
Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023



#46
 cis-1,3-Dichloropropene
 Concen: 0.814 ppbv m
 RT: 8.127 min Scan# 1718
 Delta R.T. 0.010 min
 Lab File: VL040837.D
 Acq: 13 Nov 2023 12:03

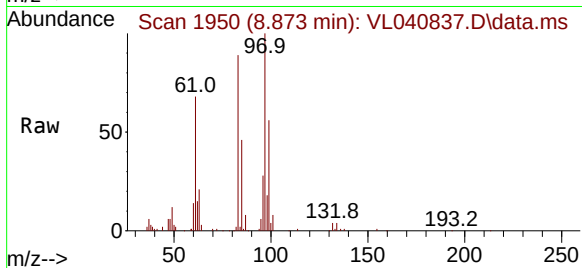
Tgt Ion: 75 Resp: 70985
 Ion Ratio Lower Upper
 75 100
 39 71.5 57.3 85.9
 77 24.3 23.0 34.6





#47
1,1,2-Trichloroethane
Concen: 1.165 ppbv m
RT: 8.873 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

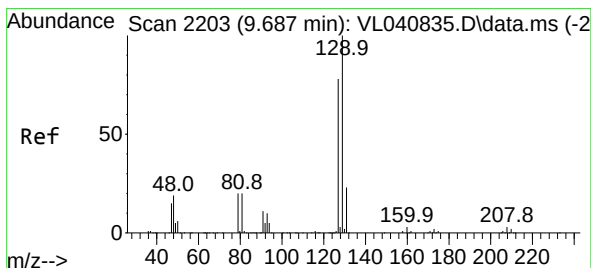
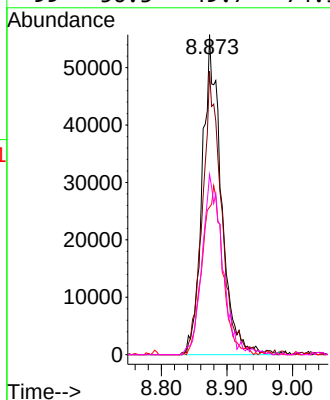
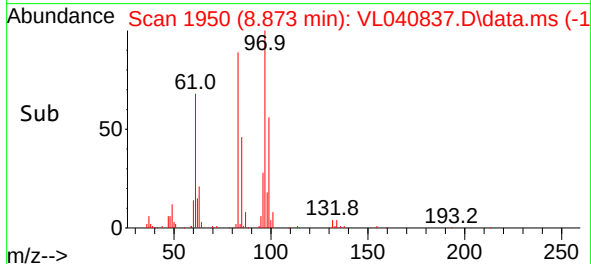
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 97 Resp: 112094
Ion Ratio Lower Upper
97 100
83 88.5 74.8 112.2
85 46.1 47.4 71.0
99 56.3 49.7 74.5

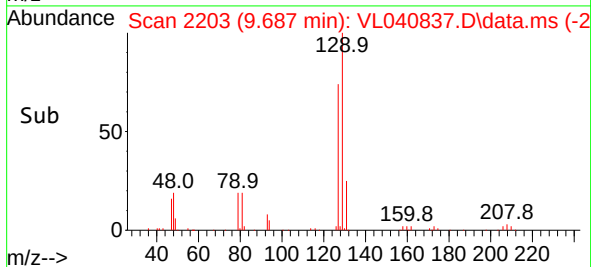
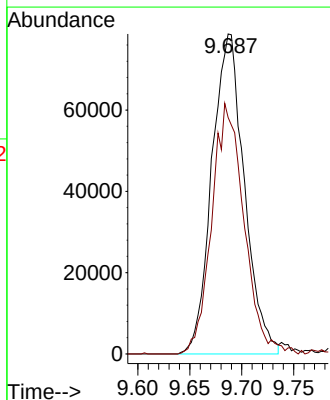
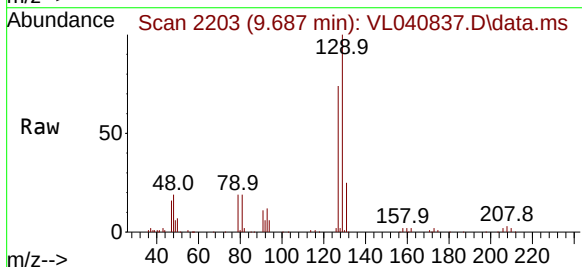
Manual Integrations
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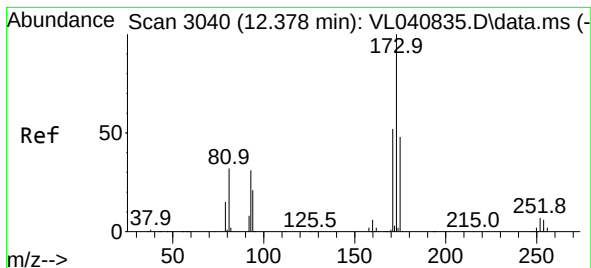
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#48
Dibromochloromethane
Concen: 1.056 ppbv
RT: 9.687 min Scan# 2203
Delta R.T. 0.000 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Tgt Ion:129 Resp: 170964
Ion Ratio Lower Upper
129 100
127 77.8 39.3 117.9





#49

Bromoform

Concen: 0.954 ppbv

RT: 12.378 min Scan# 3040

Delta R.T. 0.000 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Instrument :

MSVOA_L

ClientSampleId :

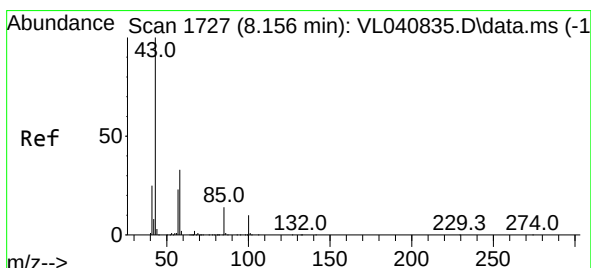
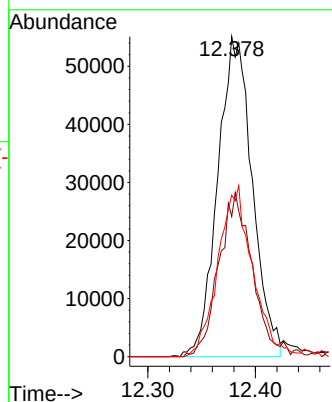
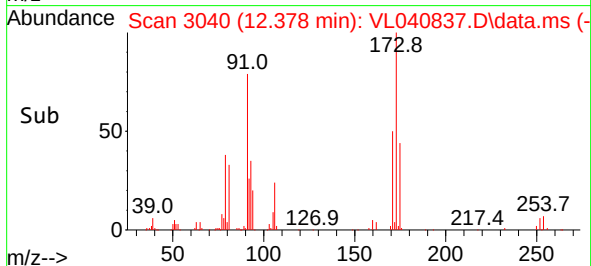
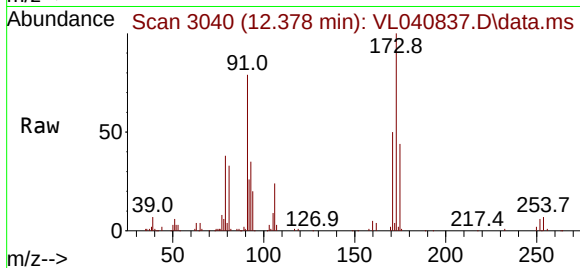
VSTDIC001

Tgt Ion:	173	Resp:	12308
Ion Ratio	Lower	Upper	
173	100		
175	50.5	39.1	58.7
171	54.0	41.9	62.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#50

4-Methyl-2-Pentanone

Concen: 0.988 ppbv

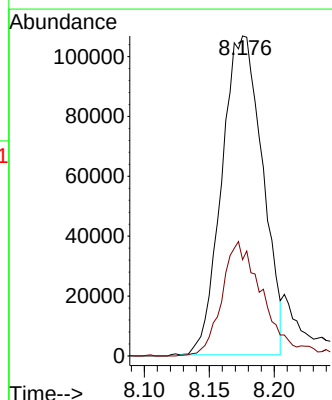
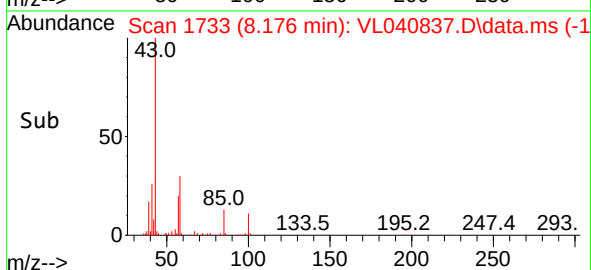
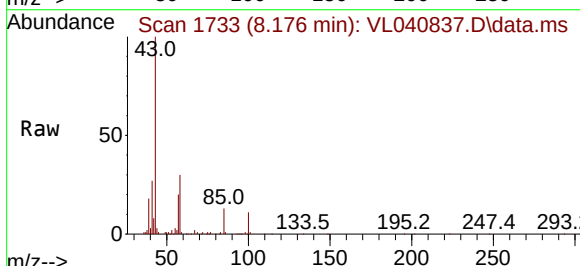
RT: 8.176 min Scan# 1733

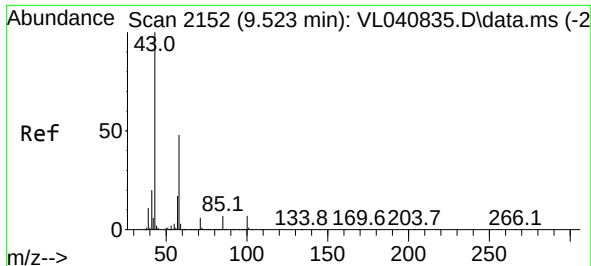
Delta R.T. 0.019 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

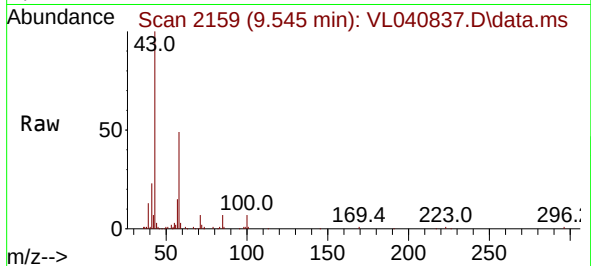
Tgt Ion:	43	Resp:	232718
Ion Ratio	Lower	Upper	
43	100		
58	37.1	27.7	41.5





#51
2-Hexanone
Concen: 0.843 ppbv
RT: 9.545 min Scan# 2152
Delta R.T. 0.023 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

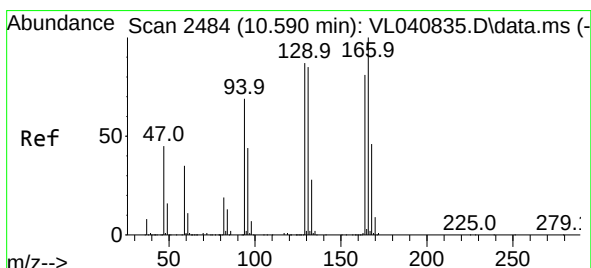
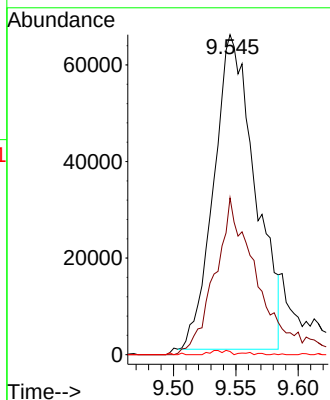
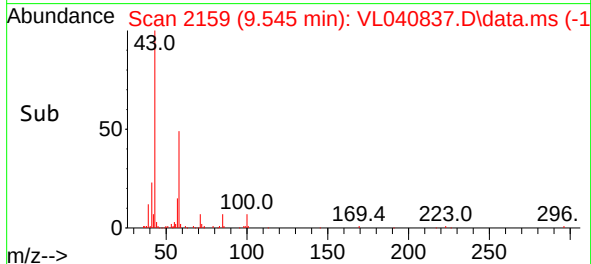
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



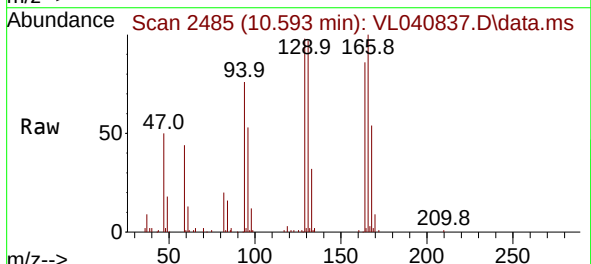
Tgt Ion: 43 Resp: 14999
Ion Ratio Lower Upper
43 100
58 53.4 37.4 56.0
98 0.6 0.2 0.4

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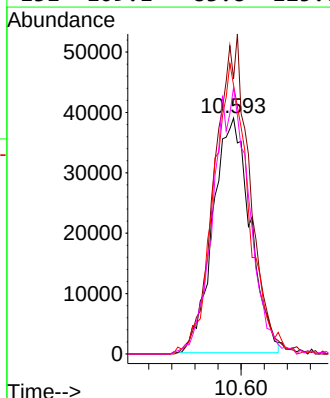
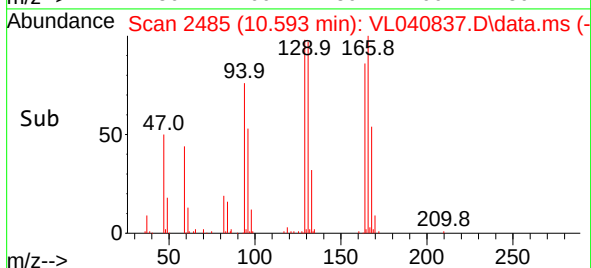
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

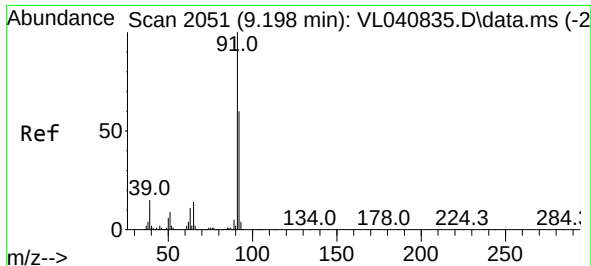


#52
Tetrachloroethene
Concen: 0.929 ppbv
RT: 10.593 min Scan# 2485
Delta R.T. 0.003 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03



Tgt Ion:164 Resp: 87141
Ion Ratio Lower Upper
164 100
166 113.5 98.3 147.5
129 108.5 85.1 127.7
131 109.1 83.8 125.6





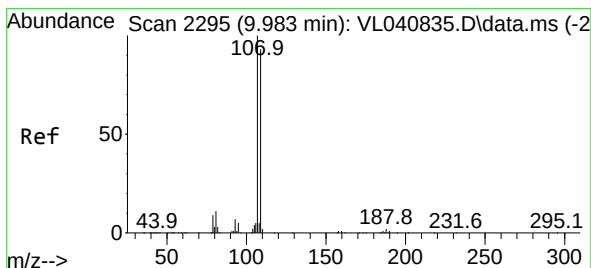
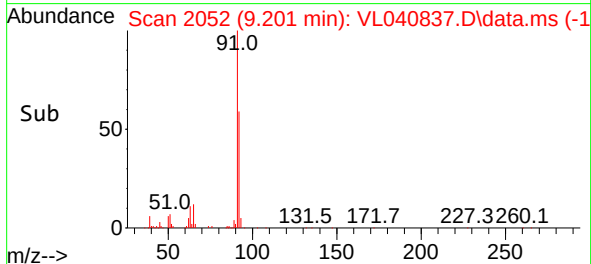
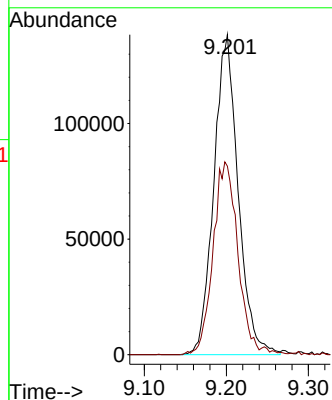
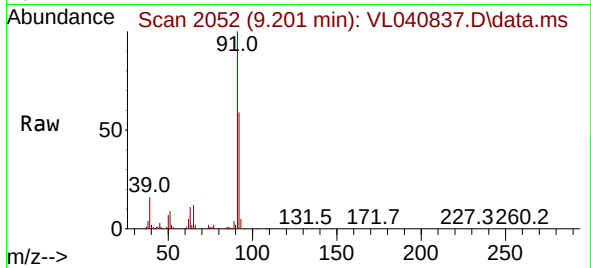
#53
Toluene
Concen: 1.031 ppbv
RT: 9.201 min Scan# 2051
Delta R.T. 0.003 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 28562
Ion Ratio Lower Upper
91 100
92 62.1 49.4 74.2

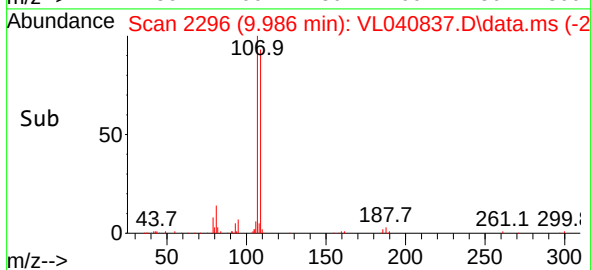
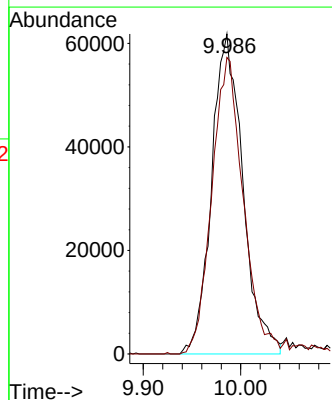
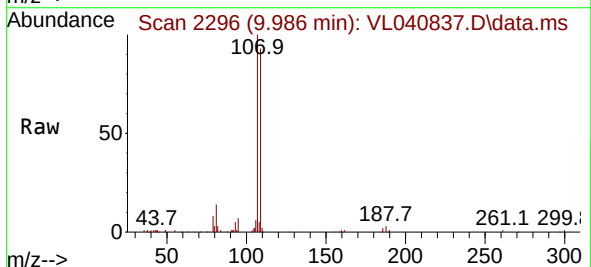
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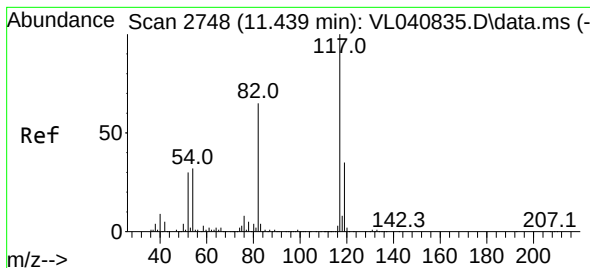
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#54
1,2-Dibromoethane
Concen: 1.028 ppbv
RT: 9.986 min Scan# 2296
Delta R.T. 0.003 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Tgt Ion:107 Resp: 137404
Ion Ratio Lower Upper
107 100
109 92.6 74.5 111.7





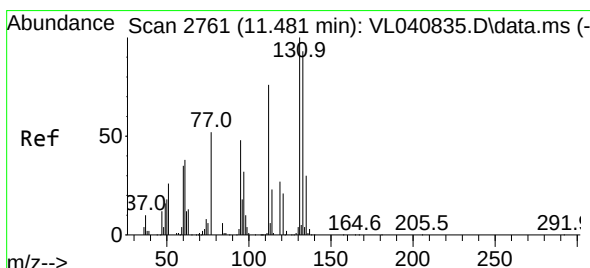
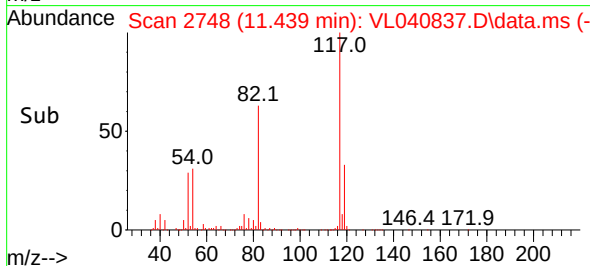
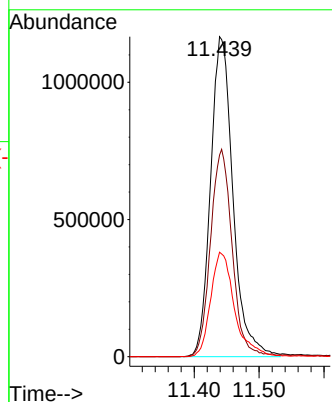
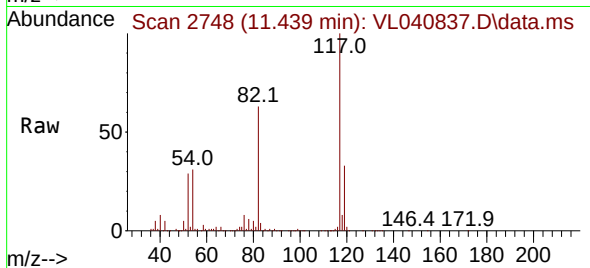
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 2748
Delta R.T. 0.000 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 2793969
Ion Ratio Lower Upper
117 100
82 63.4 50.6 75.8
119 34.9 23.3 34.9

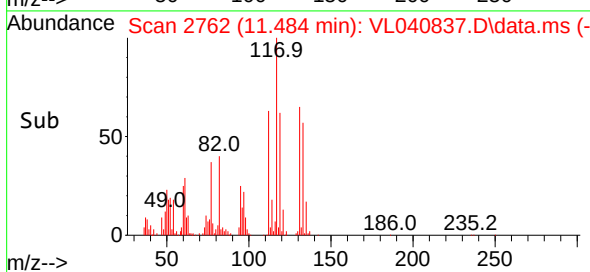
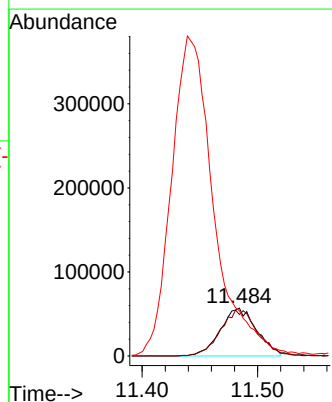
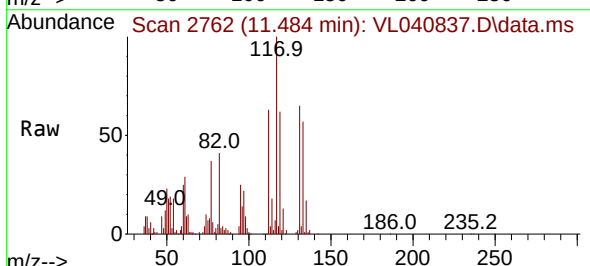
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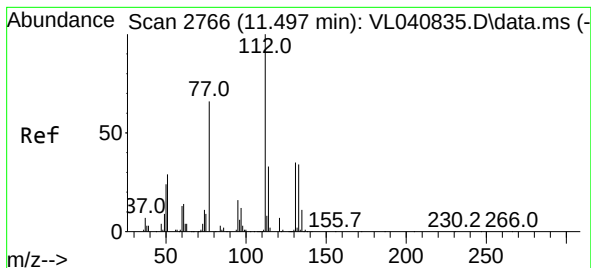
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 1.071 ppbv
RT: 11.484 min Scan# 2762
Delta R.T. 0.003 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Tgt Ion:131 Resp: 123240
Ion Ratio Lower Upper
131 100
133 100.1 76.5 114.7
119 788.6 47.2 70.8#





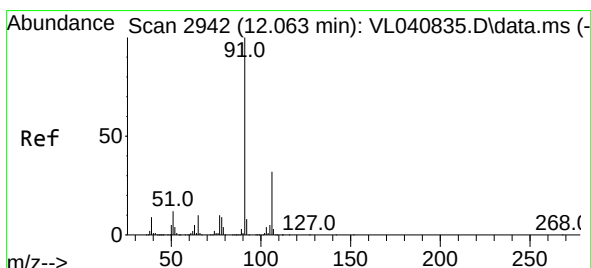
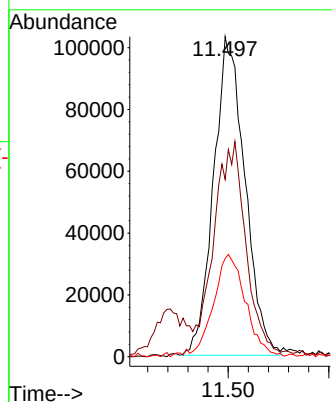
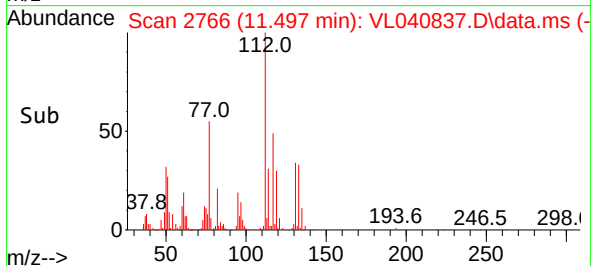
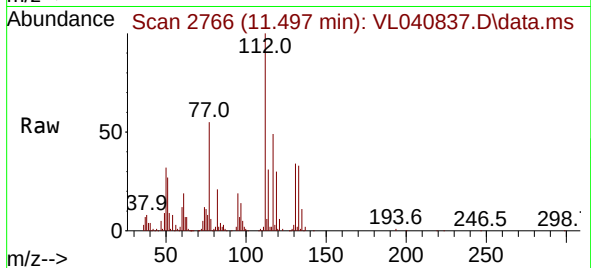
#57
Chlorobenzene
Concen: 1.107 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. 0.000 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 222740
Ion Ratio Lower Upper
112 100
77 54.3 53.3 79.9
114 29.7 29.3 35.9

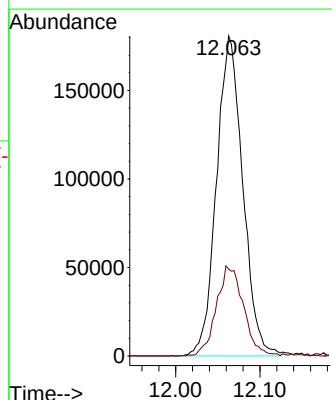
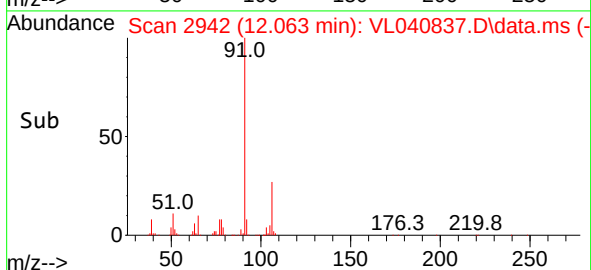
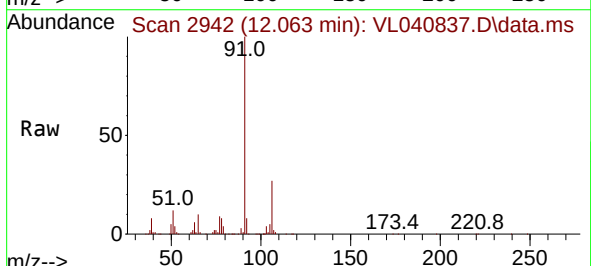
Manual Integrations
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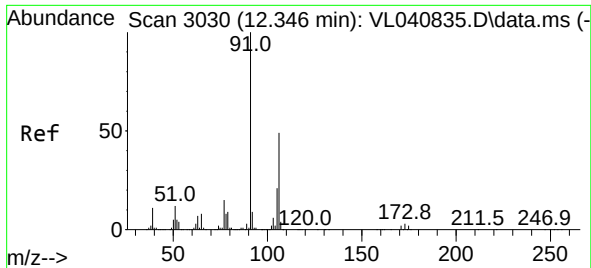
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#58
Ethyl Benzene
Concen: 1.103 ppbv
RT: 12.063 min Scan# 2942
Delta R.T. 0.000 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Tgt Ion: 91 Resp: 391353
Ion Ratio Lower Upper
91 100
106 27.1 25.2 37.8





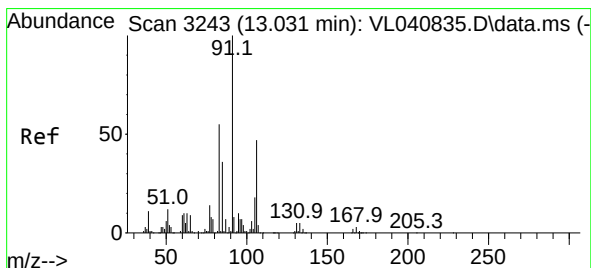
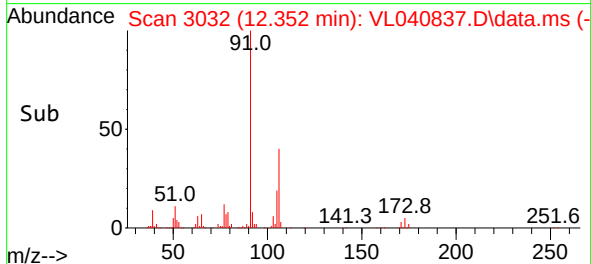
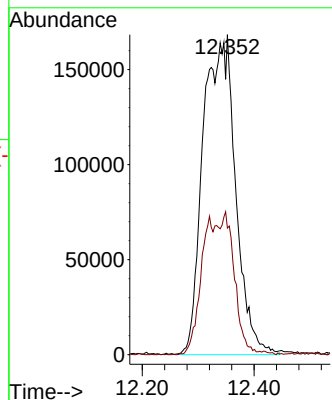
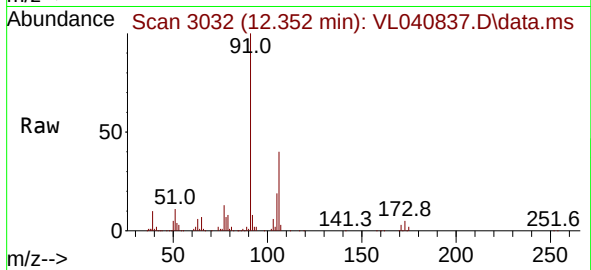
#59
m/p-Xylene
Concen: 2.306 ppbv m
RT: 12.352 min Scan# 3032
Delta R.T. 0.006 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 675708
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2

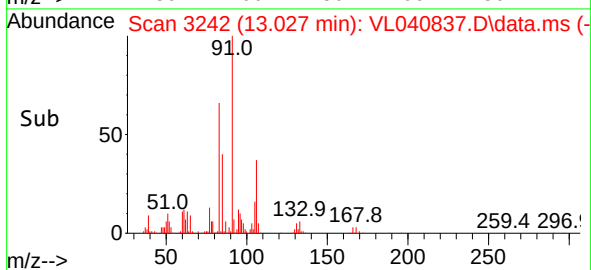
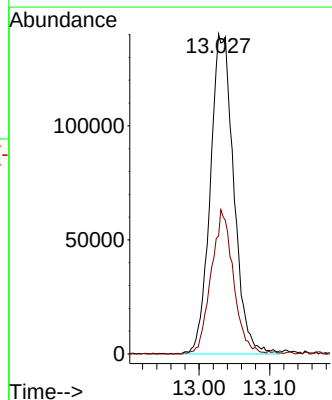
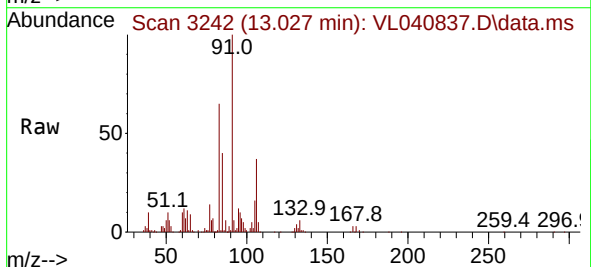
Manual Integrations
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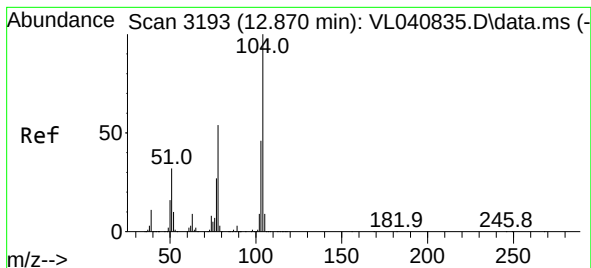
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#60
o-Xylene
Concen: 1.163 ppbv m
RT: 13.027 min Scan# 3242
Delta R.T. -0.003 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Tgt Ion: 91 Resp: 324138
Ion Ratio Lower Upper
91 100
106 43.3 22.9 68.7





#61

Styrene

Concen: 0.924 ppbv

RT: 12.873 min Scan# 3193

Delta R.T. 0.003 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:104 Resp: 139790

Ion Ratio Lower Upper

104 100

78 56.9 43.3 64.9

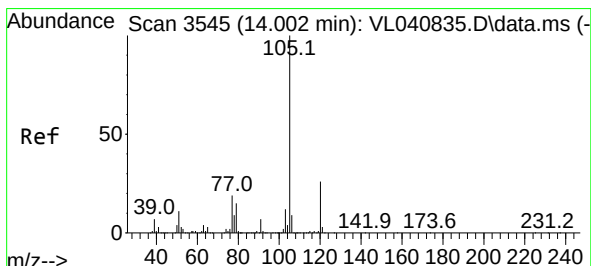
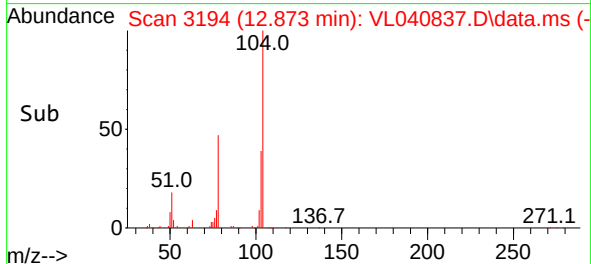
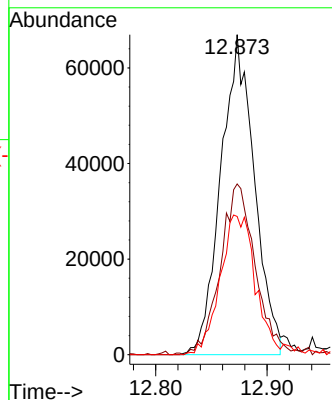
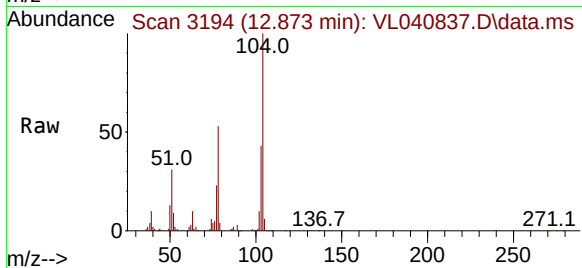
103 47.3 37.6 56.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#62

Isopropylbenzene

Concen: 1.120 ppbv

RT: 14.005 min Scan# 3546

Delta R.T. 0.003 min

Lab File: VL040837.D

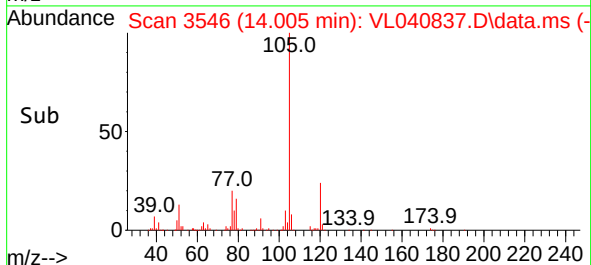
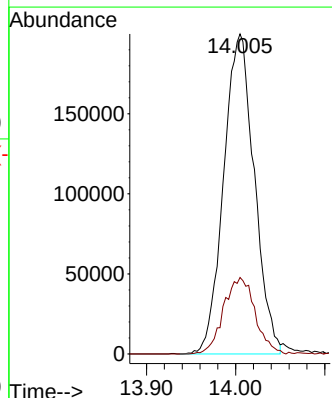
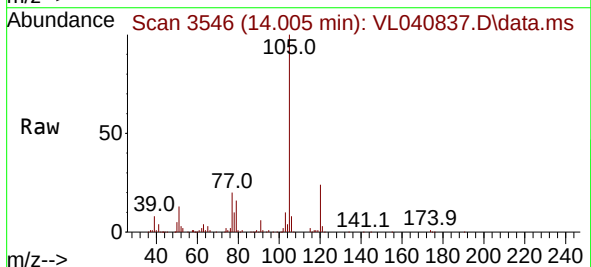
Acq: 13 Nov 2023 12:03

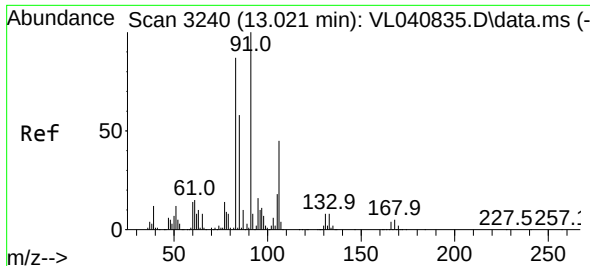
Tgt Ion:105 Resp: 477751

Ion Ratio Lower Upper

105 100

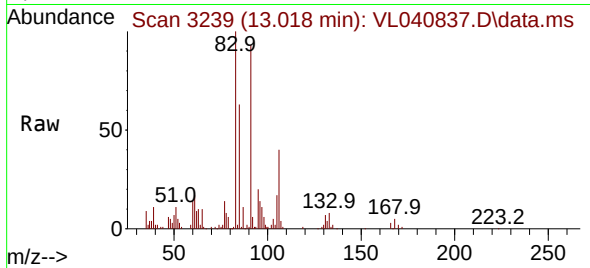
120 24.7 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 1.056 ppbv
RT: 13.018 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

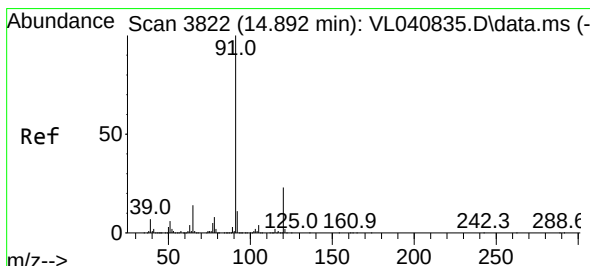
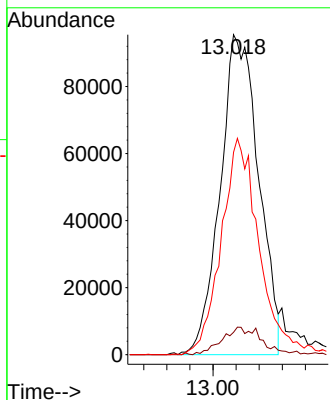
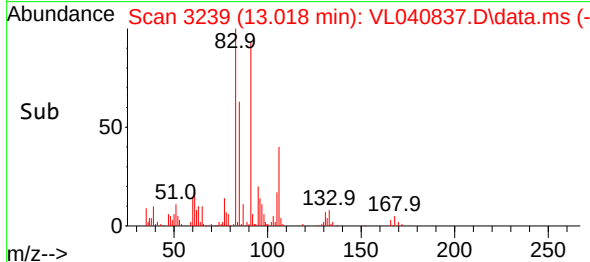
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



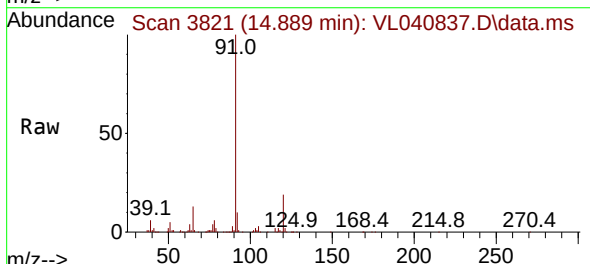
Tgt Ion: 83 Resp: 22073
Ion Ratio Lower Upper
83 100
131 9.2 4.6 13.8
85 68.6 32.6 98.0

Manual Integrations
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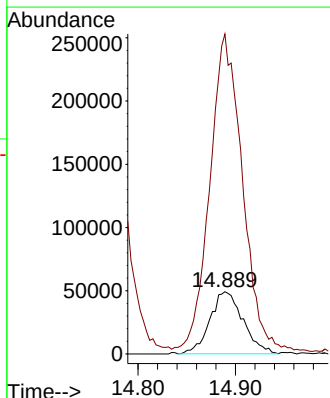
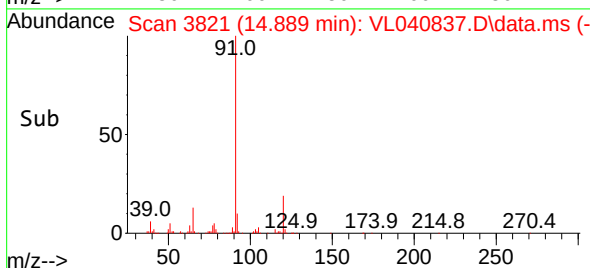
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

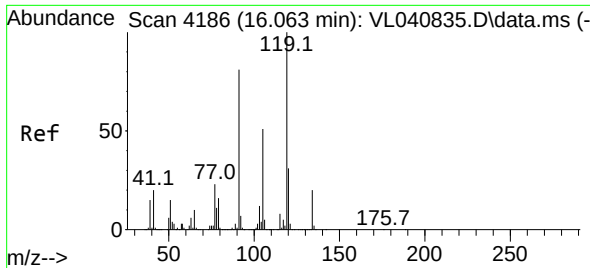


#64
n-propylbenzene
Concen: 1.021 ppbv
RT: 14.889 min Scan# 3821
Delta R.T. -0.003 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03



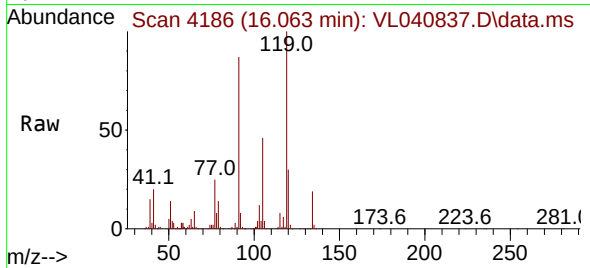
Tgt Ion:120 Resp: 115722
Ion Ratio Lower Upper
120 100
91 523.1 381.1 571.7





#65
tert-Butylbenzene
Concen: 1.032 ppbv
RT: 16.063 min Scan# 4186
Delta R.T. 0.000 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

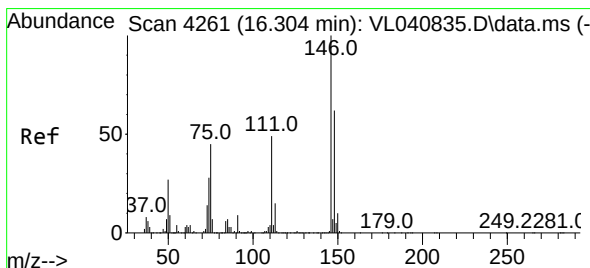
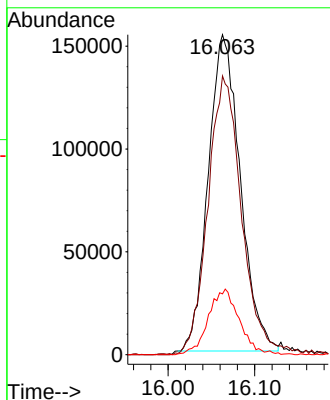
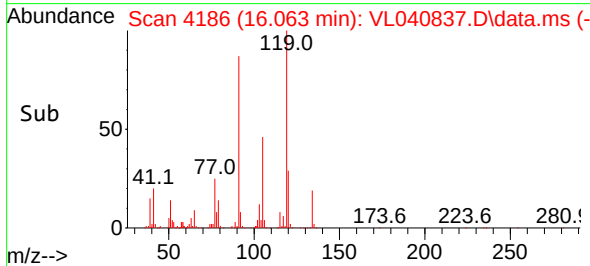
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



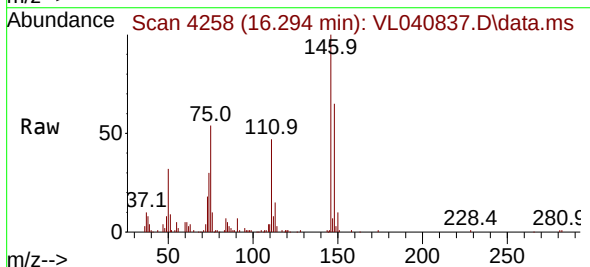
Tgt Ion: 119 Resp: 39550
Ion Ratio Lower Upper
119 100
91 93.3 67.5 101.3
134 20.2 15.9 23.9

Manual Integrations
APPROVED

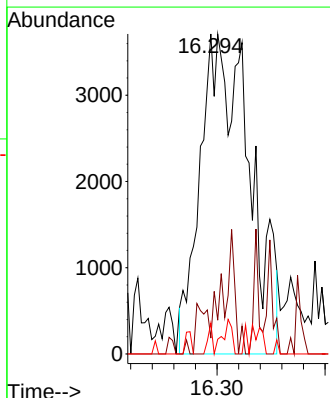
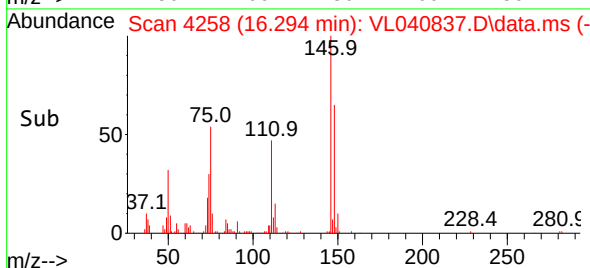
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

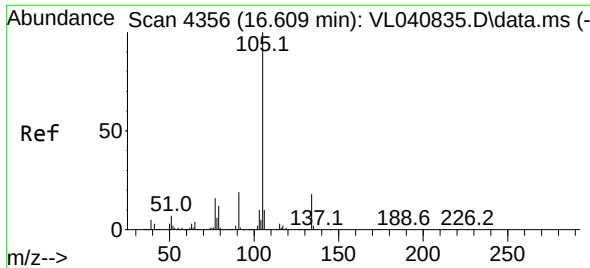


#66
Benzyl Chloride
Concen: 0.364 ppbv m
RT: 16.294 min Scan# 4258
Delta R.T. -0.010 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03



Tgt Ion: 91 Resp: 11750
Ion Ratio Lower Upper
91 100
126 1.8 12.8 19.2#
128 10.9 0.3 0.5#





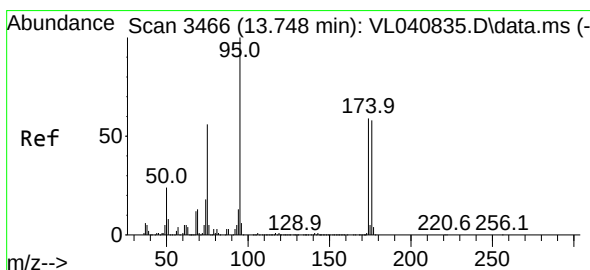
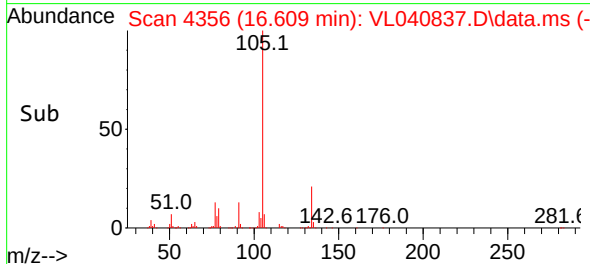
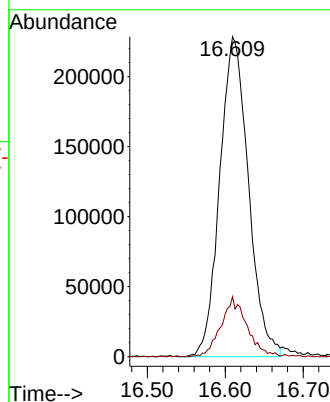
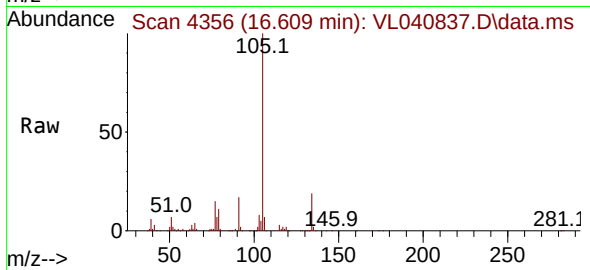
#67
 sec-Butylbenzene
 Concen: 1.113 ppbv
 RT: 16.609 min Scan# 4356
 Delta R.T. 0.000 min
 Lab File: VL040837.D
 Acq: 13 Nov 2023 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:105 Resp: 58518
 Ion Ratio Lower Upper
 105 100
 134 17.0 14.3 21.5

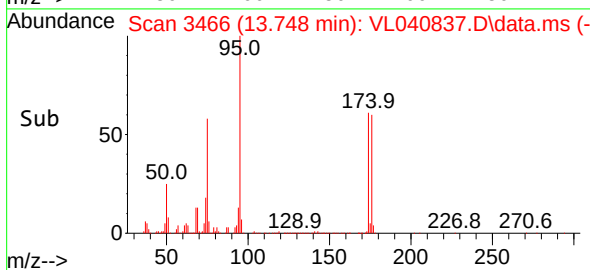
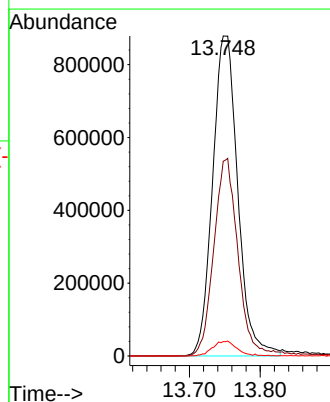
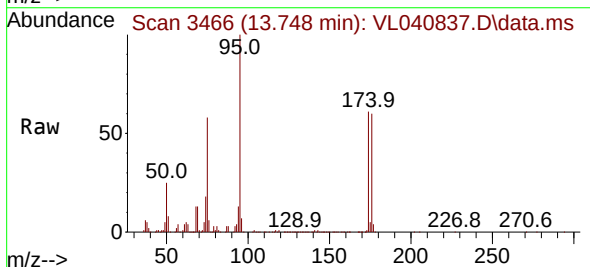
Manual Integrations
 APPROVED

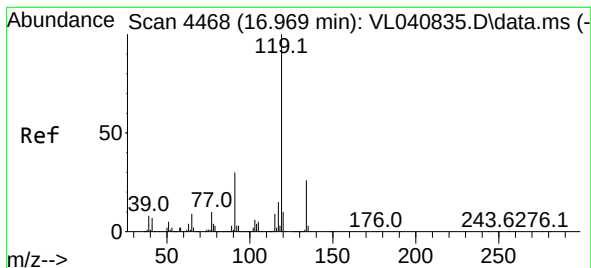
Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.444 ppbv
 RT: 13.748 min Scan# 3466
 Delta R.T. 0.000 min
 Lab File: VL040837.D
 Acq: 13 Nov 2023 12:03

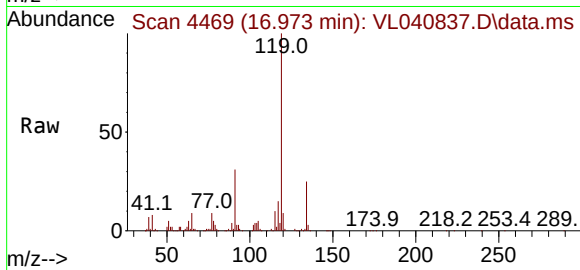
Tgt Ion: 95 Resp: 2171964
 Ion Ratio Lower Upper
 95 100
 174 60.2 47.9 71.9
 175 4.5 3.6 5.4





#69
p-Isopropyltoluene
Concen: 1.062 ppbv
RT: 16.973 min Scan# 4469
Delta R.T. 0.003 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

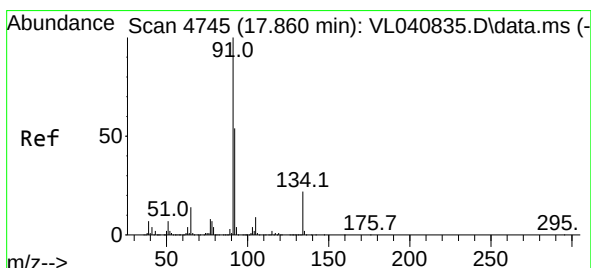
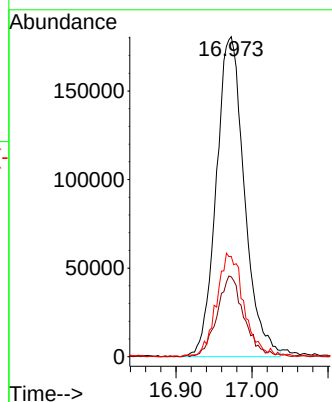
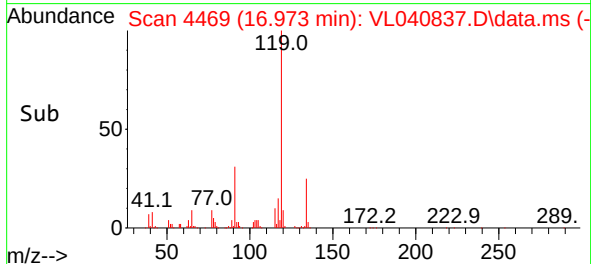
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



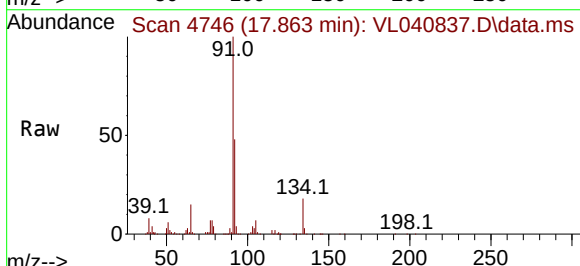
Tgt Ion:119 Resp: 464152
Ion Ratio Lower Upper
119 100
134 24.5 20.4 30.6
91 32.0 24.7 37.1

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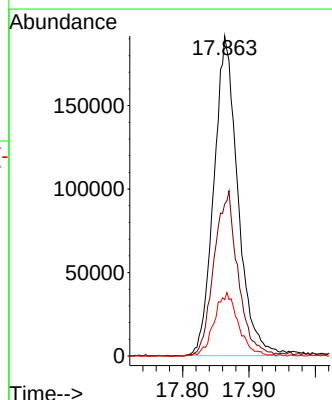
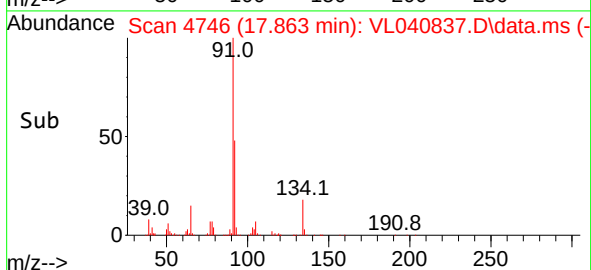
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

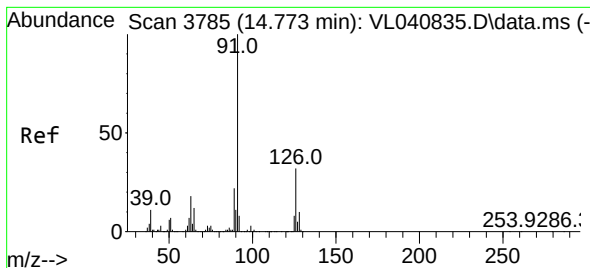


#70
n-Butylbenzene
Concen: 1.111 ppbv
RT: 17.863 min Scan# 4746
Delta R.T. 0.003 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03



Tgt Ion: 91 Resp: 481193
Ion Ratio Lower Upper
91 100
92 52.3 43.4 65.2
134 20.1 17.4 26.0





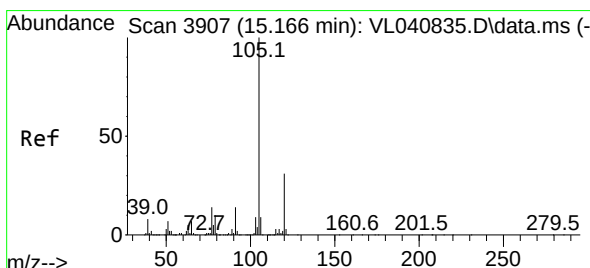
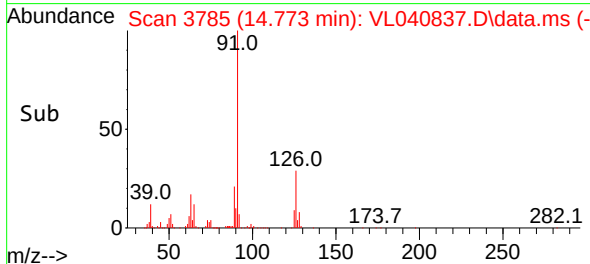
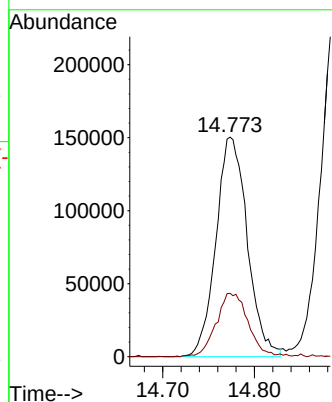
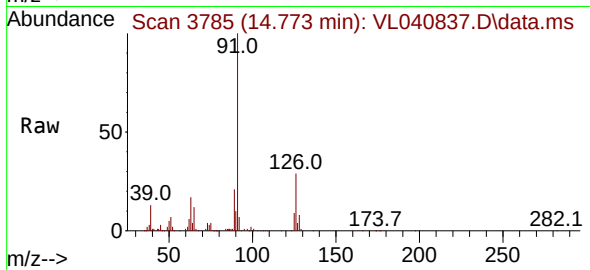
#71
2-Chlorotoluene
Concen: 1.110 ppbv
RT: 14.773 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 356964
Ion Ratio Lower Upper
91 100
126 29.5 12.1 48.5

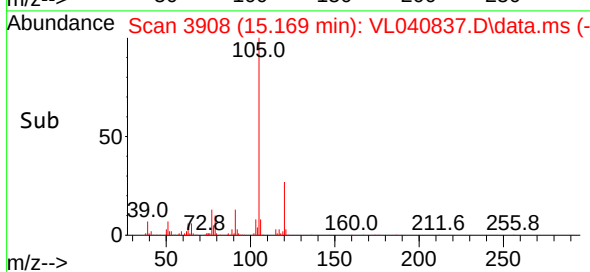
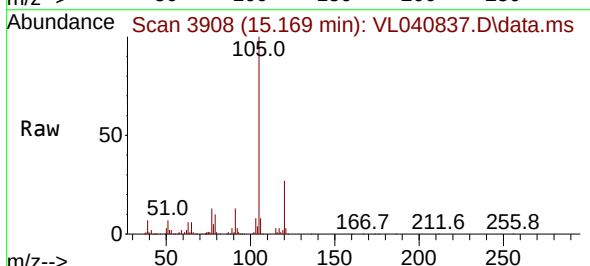
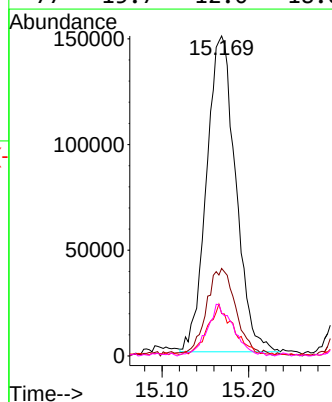
Manual Integrations
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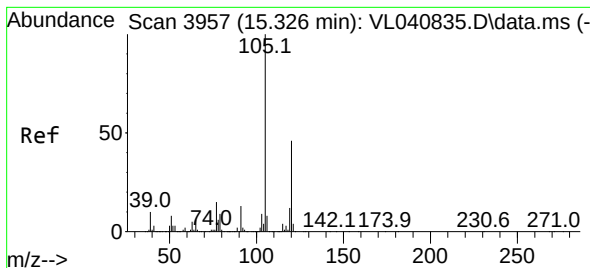
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#72
4-Ethyltoluene
Concen: 1.081 ppbv
RT: 15.169 min Scan# 3908
Delta R.T. 0.003 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Tgt Ion:105 Resp: 349169
Ion Ratio Lower Upper
105 100
120 30.2 24.5 36.7
91 15.4 11.4 17.2
77 15.7 12.0 18.0





#73

1,3,5-Trimethylbenzene

Concen: 1.049 ppbv

RT: 15.326 min Scan# 3957

Delta R.T. 0.000 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 298454

Ion Ratio Lower Upper

105 100

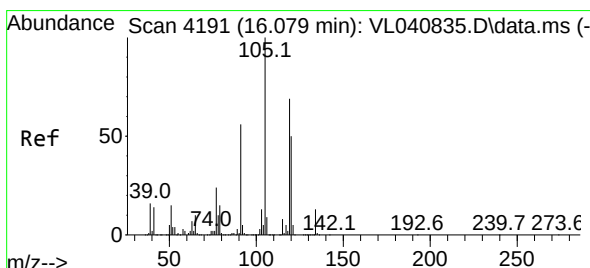
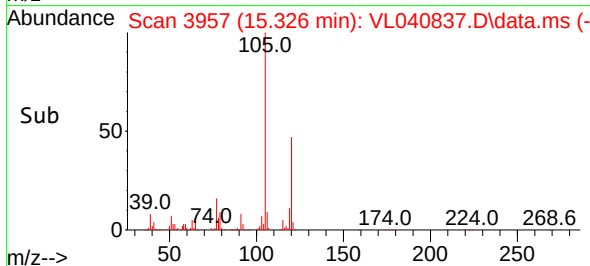
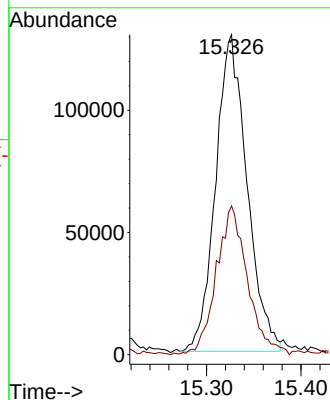
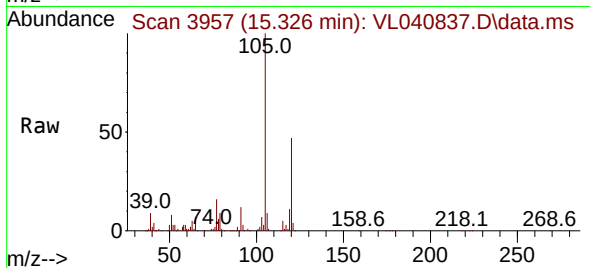
120 46.8 36.8 55.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#74

1,2,4-Trimethylbenzene

Concen: 1.119 ppbv m

RT: 16.085 min Scan# 4193

Delta R.T. 0.006 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Tgt Ion:105 Resp: 349237

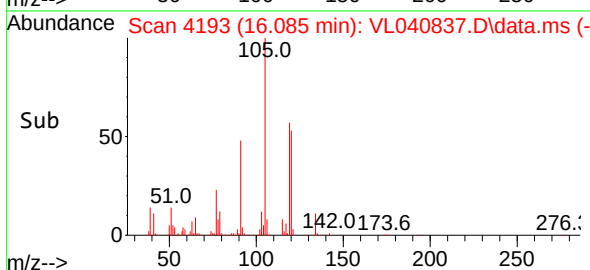
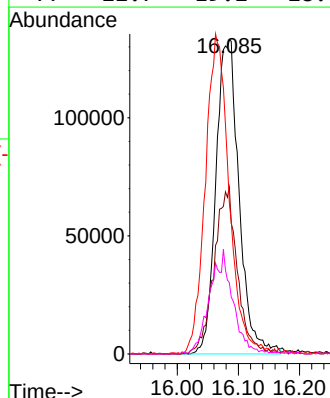
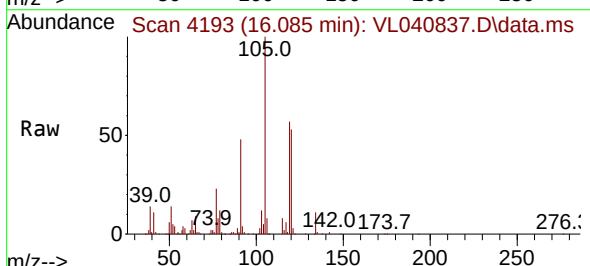
Ion Ratio Lower Upper

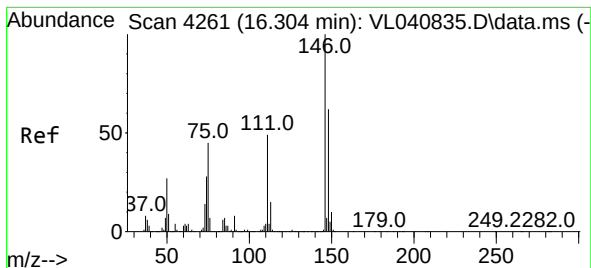
105 100

120 53.0 40.2 60.2

91 48.2 45.7 68.5

77 22.7 19.2 28.8





#75

1,3-Dichlorobenzene

Concen: 0.989 ppbv

RT: 16.307 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:146 Resp: 18774

Ion Ratio Lower Upper

146 100

111 50.6 24.9 74.8

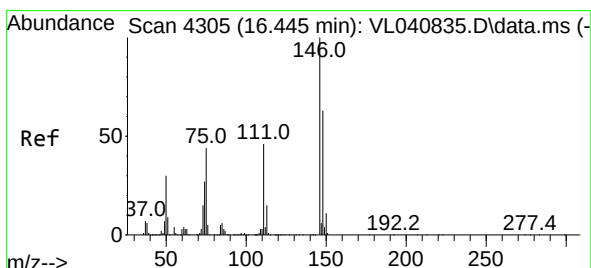
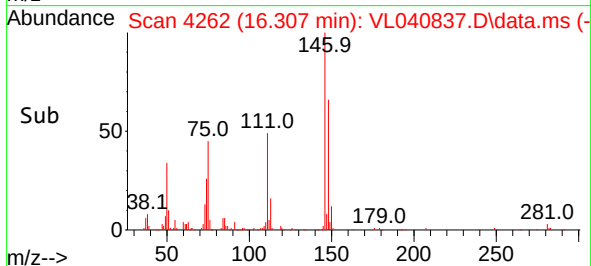
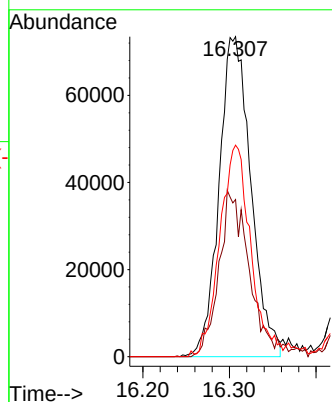
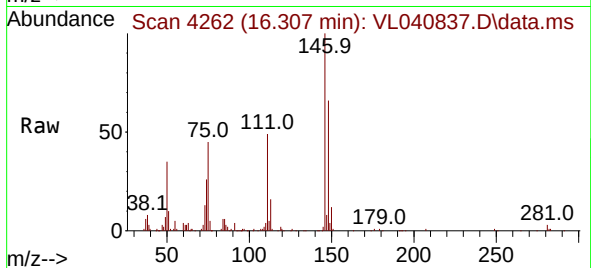
148 65.8 32.0 96.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023



#76

1,4-Dichlorobenzene

Concen: 0.950 ppbv

RT: 16.449 min Scan# 4306

Delta R.T. 0.003 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

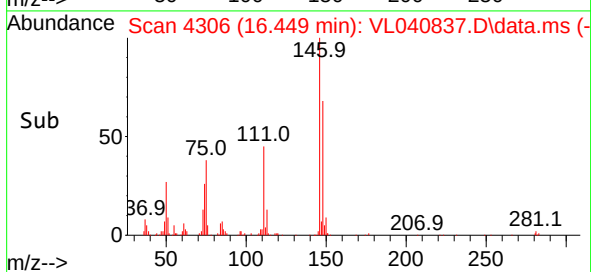
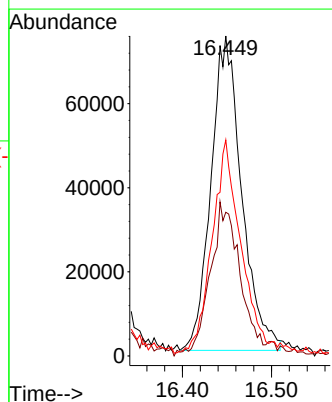
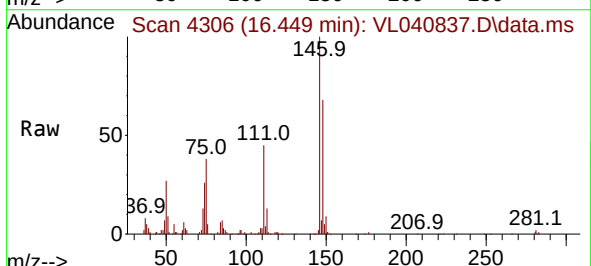
Tgt Ion:146 Resp: 178889

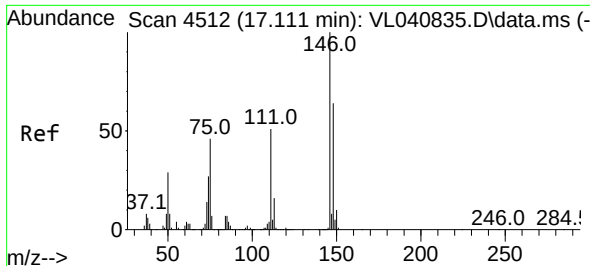
Ion Ratio Lower Upper

146 100

111 51.1 24.4 73.2

148 65.9 32.4 97.0





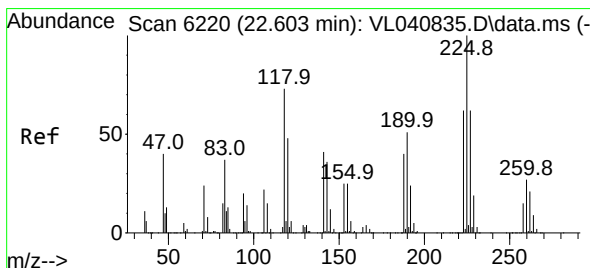
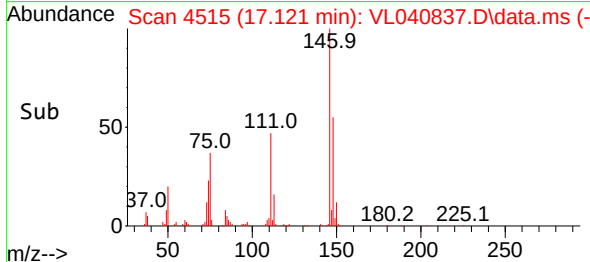
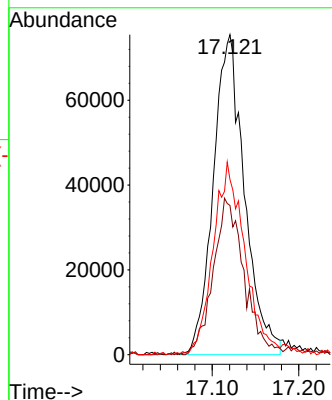
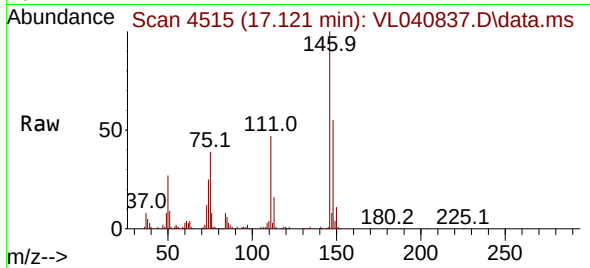
#77
1,2-Dichlorobenzene
Concen: 1.015 ppbv
RT: 17.121 min Scan# 4515
Delta R.T. 0.010 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:146 Resp: 188602
Ion Ratio Lower Upper
146 100
111 49.9 25.6 76.6
148 61.3 31.9 95.9

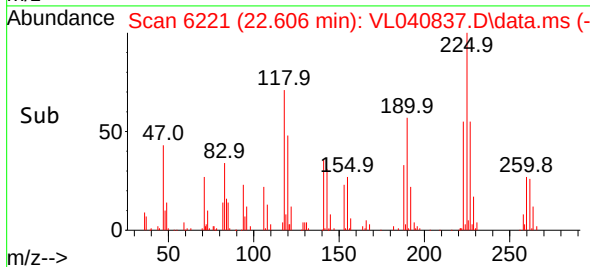
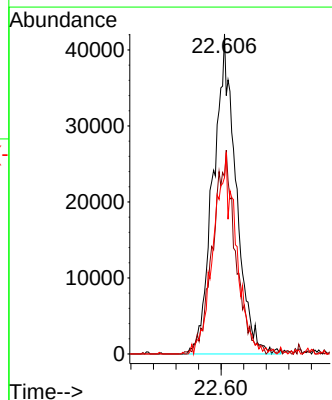
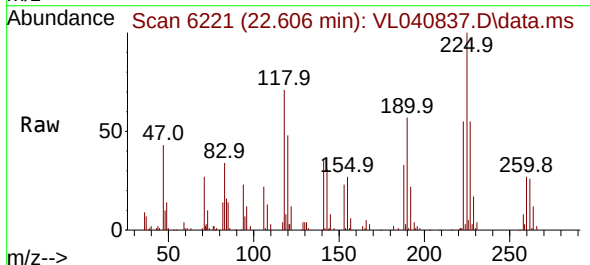
Manual Integrations
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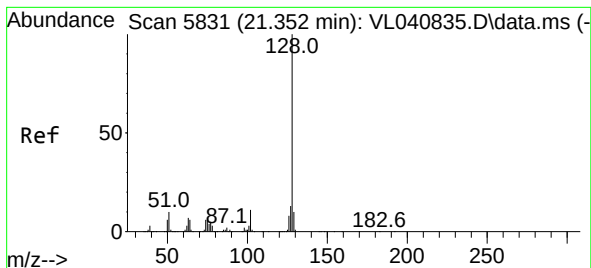
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.901 ppbv m
RT: 22.606 min Scan# 6221
Delta R.T. 0.003 min
Lab File: VL040837.D
Acq: 13 Nov 2023 12:03

Tgt Ion:225 Resp: 118226
Ion Ratio Lower Upper
225 100
223 0.0 51.2 76.8#
227 0.0 51.0 76.4#





#79

Naphthalene

Concen: 0.750 ppbv m

RT: 21.358 min Scan# 5831

Delta R.T. 0.006 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Instrument :

MSVOA_L

ClientSampleId :

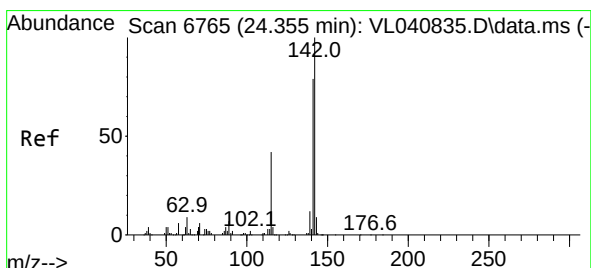
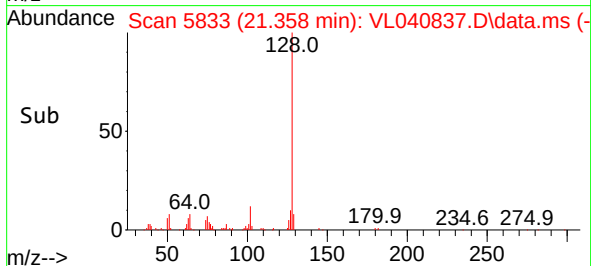
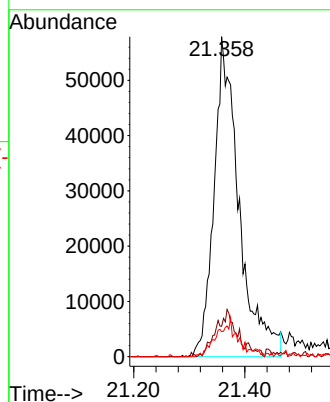
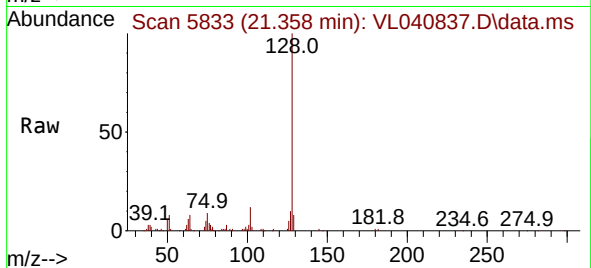
VSTDIC001

Tgt Ion:	128	Resp:	18006
Ion Ratio	Lower	Upper	
128	100		
127	9.5	10.0	15.0
129	7.8	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#80

Naphthalene,2-methyl-

Concen: 0.360 ppbv m

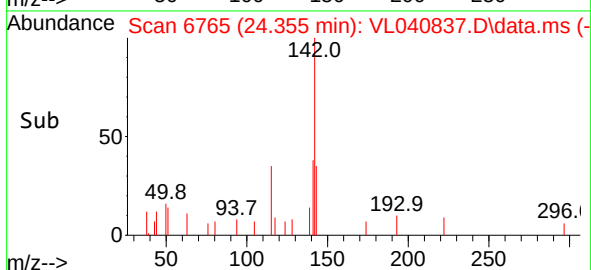
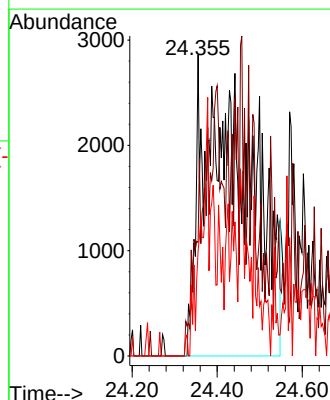
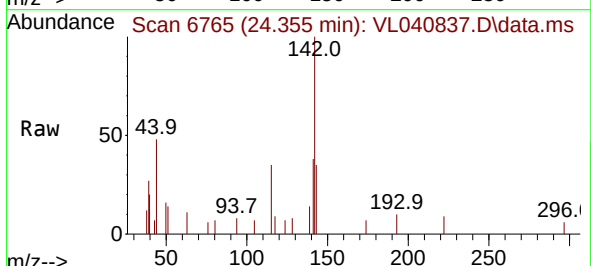
RT: 24.355 min Scan# 6765

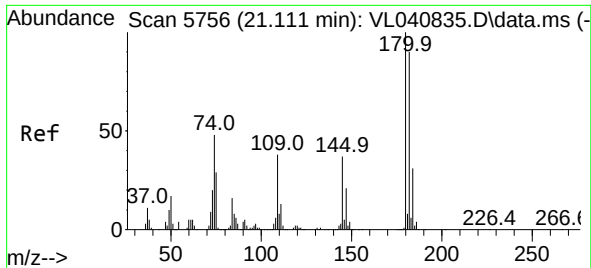
Delta R.T. 0.000 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Tgt Ion:	142	Resp:	21651
Ion Ratio	Lower	Upper	
142	100		
141	0.0	65.8	98.8
115	0.0	35.6	53.4





#81

1,2,4-Trichlorobenzene

Concen: 0.752 ppbv m

RT: 21.120 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL040837.D

Acq: 13 Nov 2023 12:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:180 Resp: 98062

Ion Ratio Lower Upper

180 100

182 0.0 78.1 117.1

184 0.0 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023

Supervised By :Semsettin Yesilyurt 11/15/2023

