

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040916.D
 Acq On : 20 Dec 2023 12:25
 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 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023

Quant Time: Dec 21 07:09:16 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Thu Dec 21 07:06:17 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1257402	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3234029	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	2908234	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.748 95 2129885 9.943 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	256549	1.071	ppbv	96
3) Chlorodifluoromethane	2.678	51	204234	1.079	ppbv	100
4) Chloromethane	2.816	50	76891	1.102	ppbv #	88
5) Vinyl Chloride	2.922	62	72990	1.124	ppbv	96
6) Bromomethane	3.118	94	29429	0.987	ppbv	98
7) Chloroethane	3.198	64	23607	0.983	ppbv #	85
8) Dichlorotetrafluoroethane	2.858	85	187024	1.084	ppbv	96
9) Propene	2.697	41	65089	1.043	ppbv	94
10) Heptane	7.558	43	161778	1.042	ppbv	96
11) Trichlorofluoromethane	3.559	101	199197	1.064	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.057	101	144550	0.994	ppbv	97
13) Ethanol	3.256	45	17375m	1.245	ppbv	
14) Bromoethene	3.362	108	56119	1.053	ppbv	94
15) Acetone	3.472	43	173272	1.149	ppbv	97
16) 1,3-Butadiene	2.983	39	72405	1.115	ppbv	95
17) tert-Butyl alcohol	3.880	59	116607	1.045	ppbv	95
18) 1,1-Dichloroethene	3.870	96	63177	1.052	ppbv	93
19) Isopropyl Alcohol	3.581	45	86129m	1.080	ppbv	
20) Methylene Chloride	3.928	84	54843	1.010	ppbv	88
21) Allyl Chloride	3.989	41	85976	0.965	ppbv	90
22) trans-1,2-Dichloroethene	4.436	96	75347	1.089	ppbv	95
23) Vinyl Acetate	4.616	43	163950	0.962	ppbv #	98
24) 1,1-Dichloroethane	4.552	63	158705	1.066	ppbv	99
25) Ethyl Acetate	5.195	43	274232	1.049	ppbv	97
26) Hexane	5.198	57	123334	1.057	ppbv	97
27) Carbon Disulfide	4.118	76	150911	0.963	ppbv	97
28) Methyl tert-Butyl Ether	4.581	73	113076	1.052	ppbv	99
29) Chloroform	5.256	83	203699	1.042	ppbv	91
30) Cyclohexane	6.584	84	103376	1.071	ppbv	92
31) cis-1,2-Dichloroethene	5.063	61	123189	1.036	ppbv	95
32) 1,1,1-Trichloroethane	5.986	97	201528	1.082	ppbv	99
34) 2-Butanone	4.784	43	178110	1.041	ppbv	99
35) Carbon Tetrachloride	6.475	117	211167	1.039	ppbv	98
36) Benzene	6.349	78	264404	1.046	ppbv	94
37) 1,2-Dichloroethane	5.787	62	152110	1.004	ppbv	100
38) Trichloroethene	7.269	130	99297	1.021	ppbv	93
39) 1,2-Dichloropropane	7.054	63	100597	1.010	ppbv	94
40) 1,4-Dioxane	7.282	88	43862m	1.064	ppbv	
41) Tetrahydrofuran	5.558	42	104180m	1.003	ppbv	
42) Bromodichloromethane	7.224	83	221877	1.016	ppbv	98
43) Methyl Methacrylate	7.459	69	97672m	0.991	ppbv	
44) 2,2,4-Trimethylpentane	7.301	57	456135	1.062	ppbv	99
45) t-1,3-Dichloropropene	8.693	75	64631m	0.884	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023

Quant Time: Dec 21 07:09:16 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Thu Dec 21 07:06:17 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.118	75	89037	0.978	ppbv	98
47) 1,1,2-Trichloroethane	8.873	97	108091	1.014	ppbv	91
48) Dibromochloromethane	9.684	129	178669	0.993	ppbv	99
49) Bromoform	12.375	173	133889	0.961	ppbv	98
50) 4-Methyl-2-Pentanone	8.172	43	249241	0.960	ppbv	98
51) 2-Hexanone	9.549	43	189081m	1.012	ppbv	
52) Tetrachloroethene	10.590	164	90707m	1.064	ppbv	
53) Toluene	9.195	91	291871	1.033	ppbv	99
54) 1,2-Dibromoethane	9.979	107	144097	0.990	ppbv	89
56) 1,1,1,2-Tetrachloroethane	11.481	131	134808	1.060	ppbv #	1
57) Chlorobenzene	11.504	112	227231m	1.059	ppbv	
58) Ethyl Benzene	12.060	91	403837	1.081	ppbv	98
59) m/p-Xylene	12.343	91	681316m	2.144	ppbv	
60) o-Xylene	13.031	91	324412	1.084	ppbv	99
61) Styrene	12.870	104	141707	0.992	ppbv	99
62) Isopropylbenzene	14.002	105	477758	1.076	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.015	83	237144m	1.103	ppbv	
64) n-propylbenzene	14.889	120	116613m	1.041	ppbv	
65) tert-Butylbenzene	16.060	119	413081	1.077	ppbv	97
66) Benzyl Chloride	16.298	91	20757m	0.799	ppbv	
67) sec-Butylbenzene	16.606	105	598744	1.092	ppbv	97
69) p-Isopropyltoluene	16.970	119	454179m	1.067	ppbv	
70) n-Butylbenzene	17.857	91	460975	1.042	ppbv	98
71) 2-Chlorotoluene	14.770	91	366417	1.072	ppbv	98
72) 4-Ethyltoluene	15.163	105	337313	1.027	ppbv	96
73) 1,3,5-Trimethylbenzene	15.323	105	288738	1.018	ppbv	95
74) 1,2,4-Trimethylbenzene	16.076	105	325070	1.030	ppbv #	90
75) 1,3-Dichlorobenzene	16.301	146	182110	1.007	ppbv	95
76) 1,4-Dichlorobenzene	16.445	146	188518m	1.067	ppbv	
77) 1,2-Dichlorobenzene	17.117	146	184599m	1.058	ppbv	
78) Hexachloro-1,3-Butadiene	22.603	225	124187	1.147	ppbv	98
79) Naphthalene	21.362	128	147247m	0.998	ppbv	
80) Naphthalene,2-methyl-	24.445	142	24844m	0.963	ppbv	
81) 1,2,4-Trichlorobenzene	21.117	180	80230m	0.907	ppbv	

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

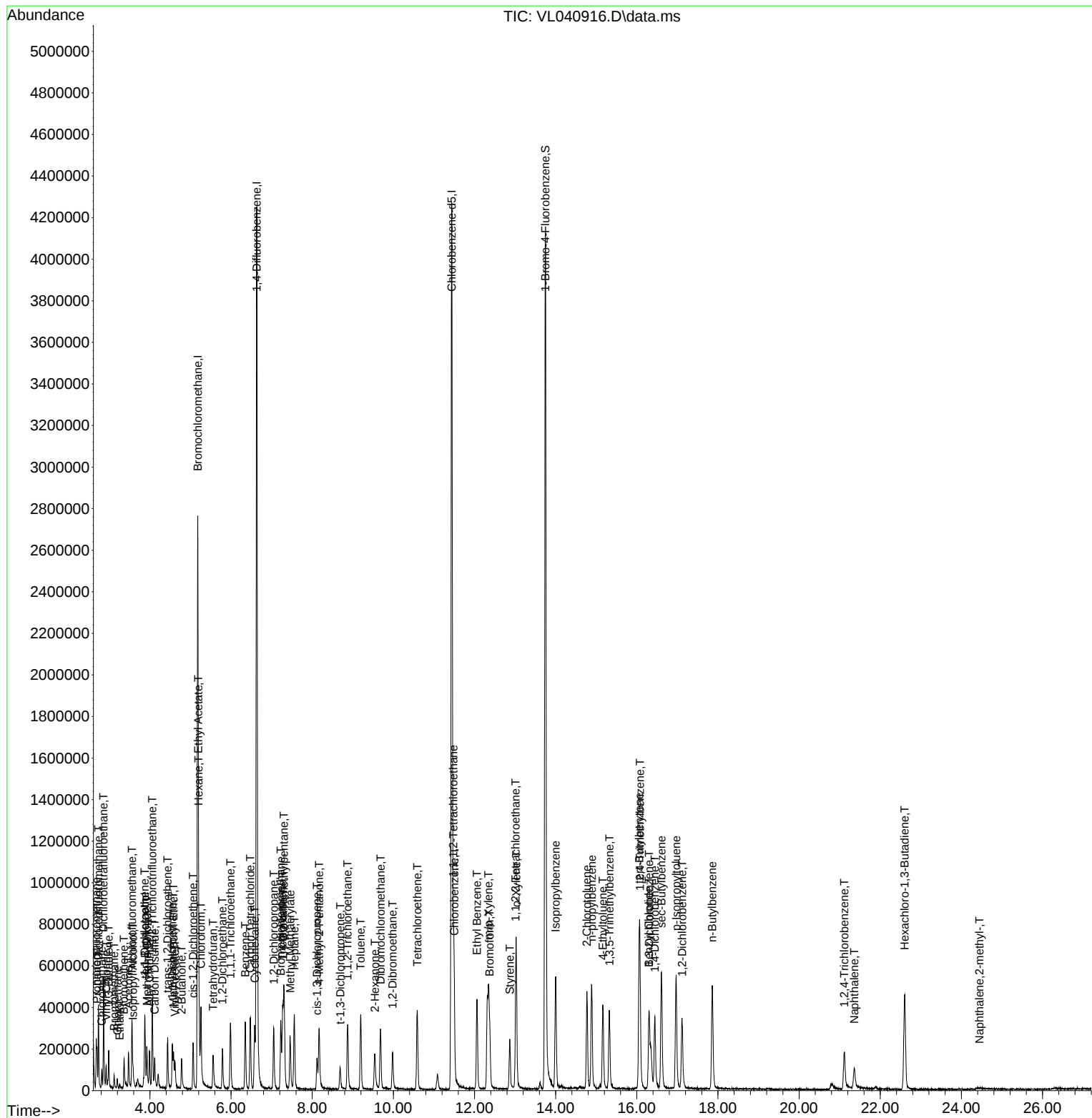
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Data File : VL040916.D
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Operator : SY/MD
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ALS Vial : 1 Sample Multiplier: 1

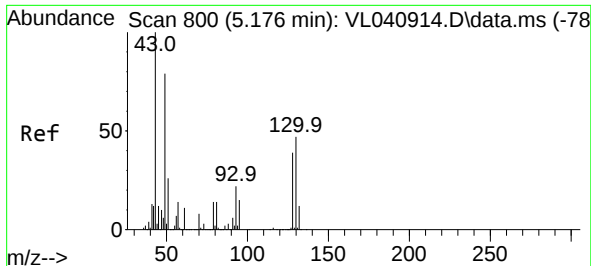
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

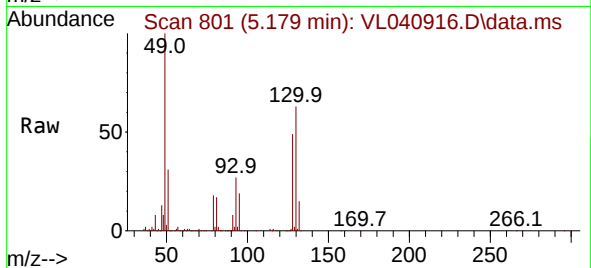
Quant Time: Dec 21 07:09:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 21 07:06:17 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

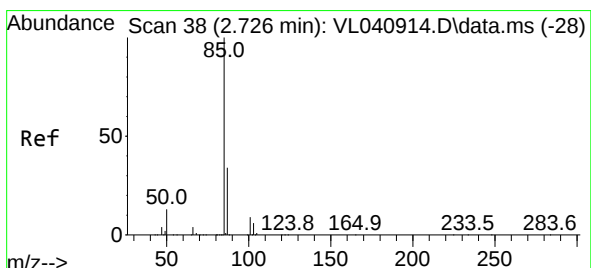
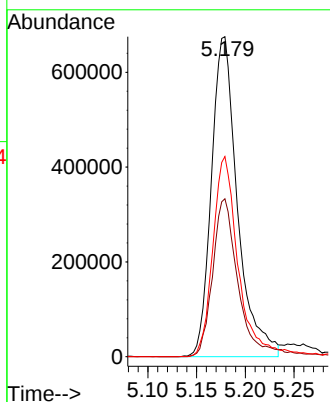
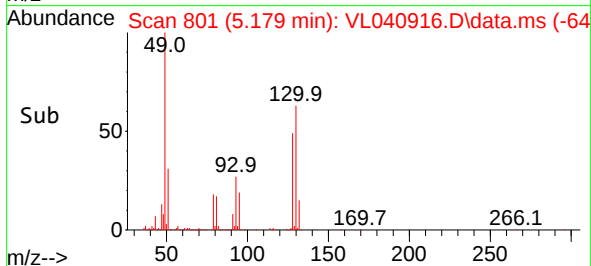
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



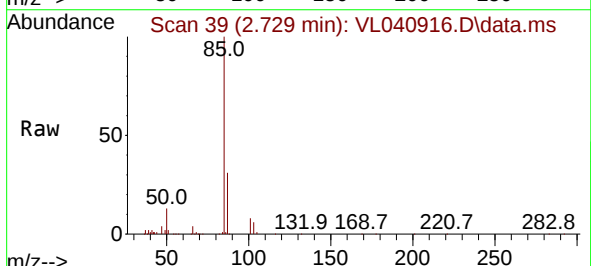
Tgt Ion: 49 Resp: 125740
Ion Ratio Lower Upper
49 100
128 49.3 23.8 71.2
130 63.1 30.1 90.5

Manual Integrations
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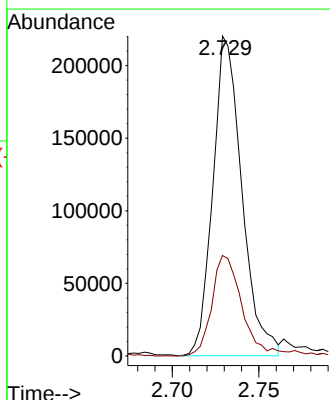
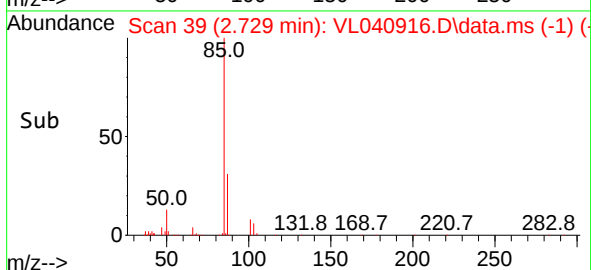
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

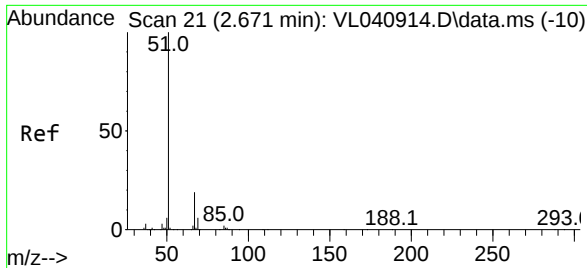


#2
Dichlorodifluoromethane
Concen: 1.071 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25



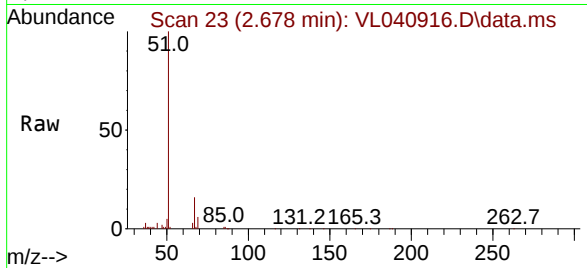
Tgt Ion: 85 Resp: 256549
Ion Ratio Lower Upper
85 100
87 31.4 27.0 40.6





#3
Chlorodifluoromethane
Concen: 1.079 ppbv
RT: 2.678 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

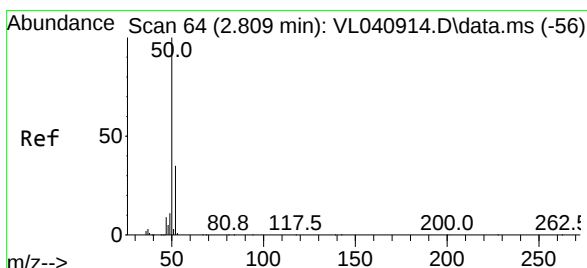
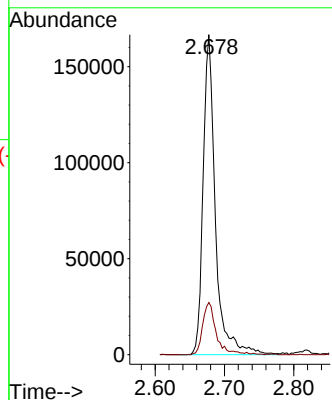
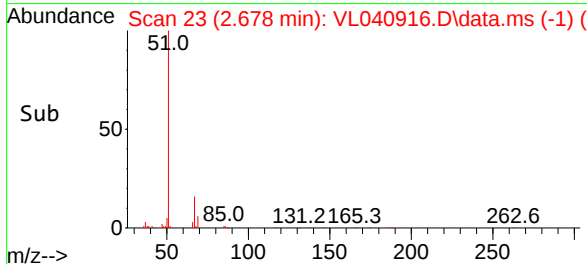
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 51 Resp: 204234
Ion Ratio Lower Upper
51 100
67 18.4 14.7 22.1

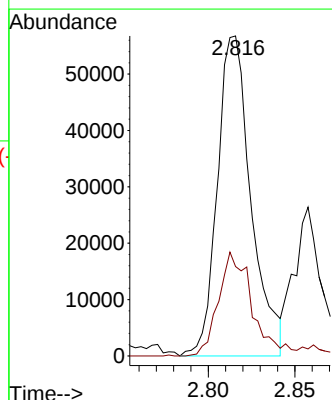
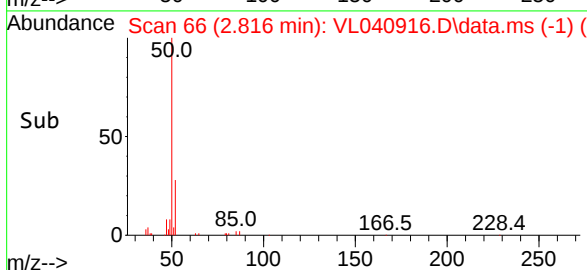
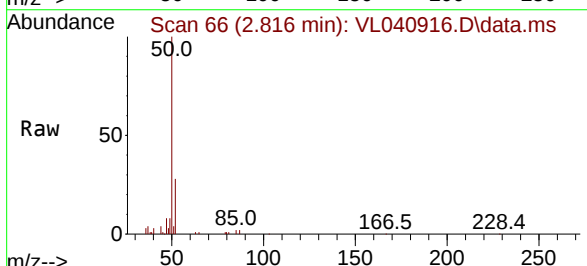
Manual Integrations
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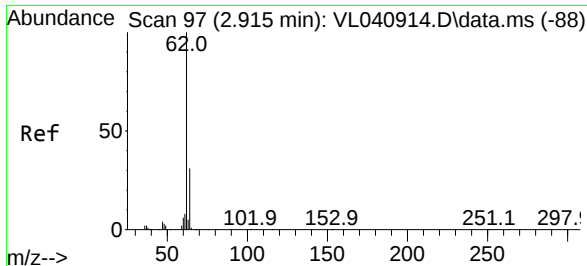
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#4
Chloromethane
Concen: 1.102 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.007 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

Tgt Ion: 50 Resp: 76891
Ion Ratio Lower Upper
50 100
52 28.0 28.0 42.0#





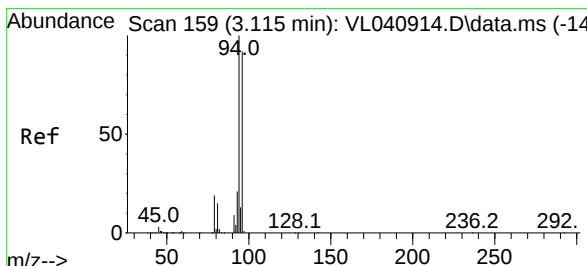
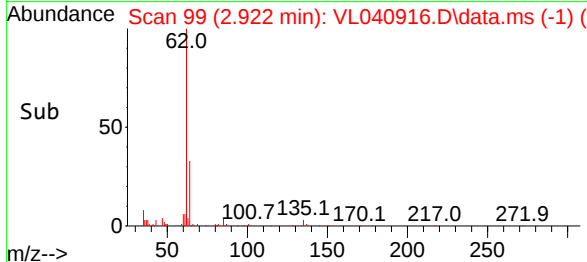
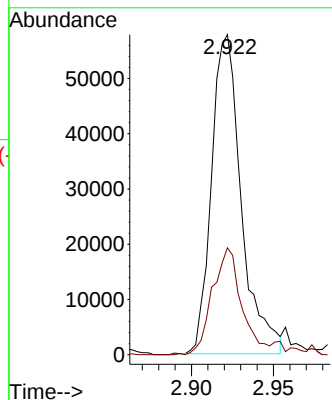
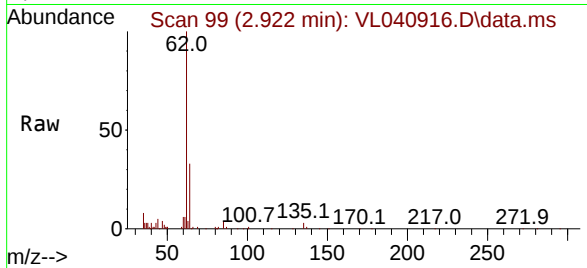
#5
 Vinyl Chloride
 Concen: 1.124 ppbv
 RT: 2.922 min Scan# 99
 Delta R.T. 0.007 min
 Lab File: VL040916.D
 Acq: 20 Dec 2023 12:25

Instrument :
 MSVOA_L
 Client Sample Id :
 VSTDIC001

Tgt Ion: 62 Resp: 72990
 Ion Ratio Lower Upper
 62 100
 64 33.1 24.9 37.3

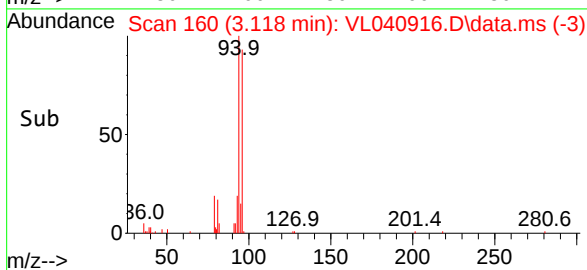
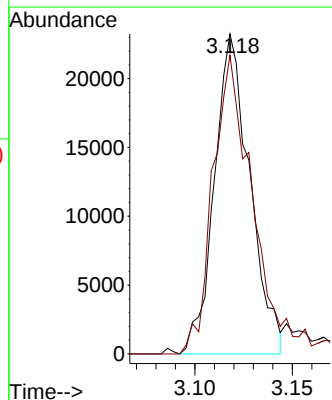
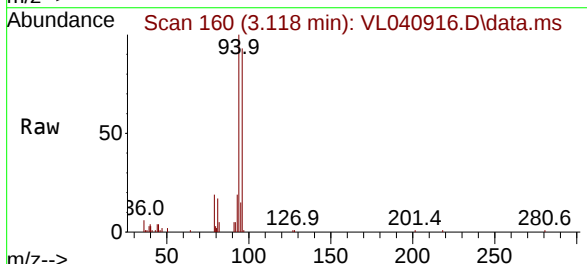
Manual Integrations
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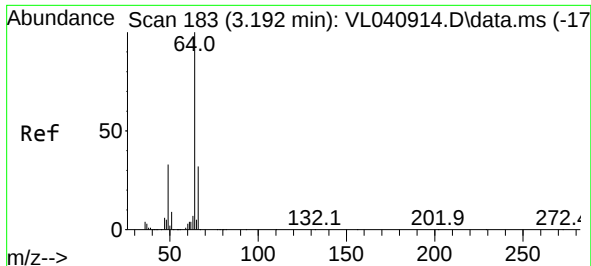
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#6
 Bromomethane
 Concen: 0.987 ppbv
 RT: 3.118 min Scan# 160
 Delta R.T. 0.003 min
 Lab File: VL040916.D
 Acq: 20 Dec 2023 12:25

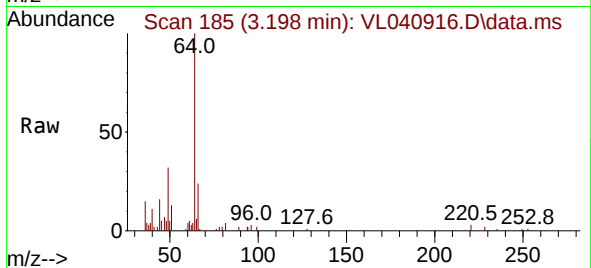
Tgt Ion: 94 Resp: 29429
 Ion Ratio Lower Upper
 94 100
 96 93.4 73.2 109.8





#7
Chloroethane
Concen: 0.983 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

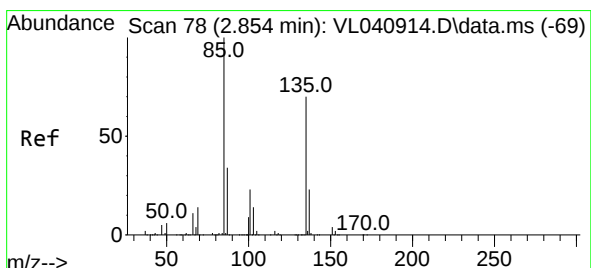
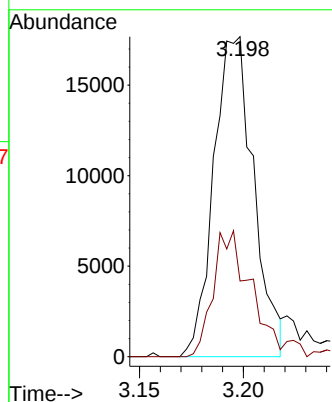
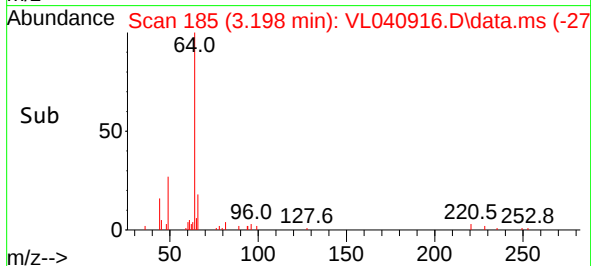
Instrument :
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Tgt Ion: 64 Resp: 2360
Ion Ratio Lower Upper
64 100
66 23.7 25.7 38.5

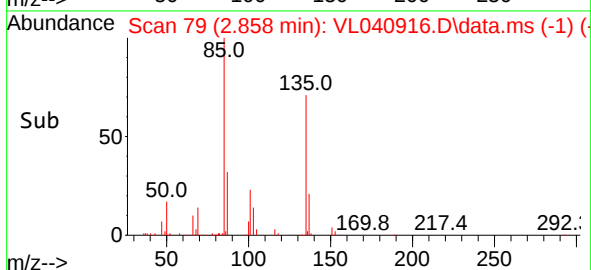
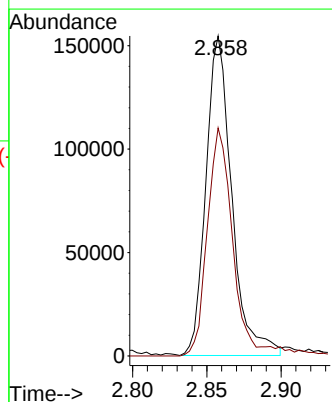
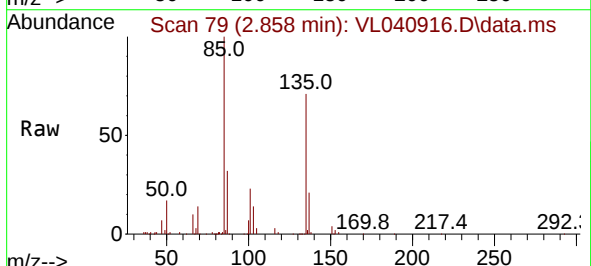
Manual Integrations
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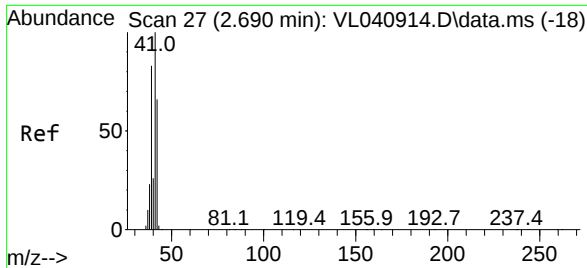
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#8
Dichlorotetrafluoroethane
Concen: 1.084 ppbv
RT: 2.858 min Scan# 79
Delta R.T. 0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

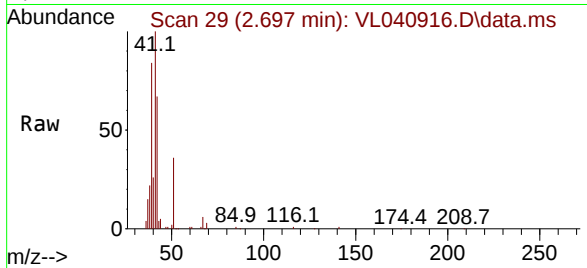
Tgt Ion: 85 Resp: 187024
Ion Ratio Lower Upper
85 100
135 72.7 55.8 83.8





#9
 Propene
 Concen: 1.043 ppbv
 RT: 2.697 min Scan# 29
 Delta R.T. 0.007 min
 Lab File: VL040916.D
 Acq: 20 Dec 2023 12:25

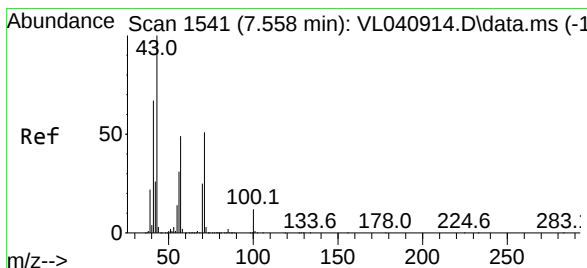
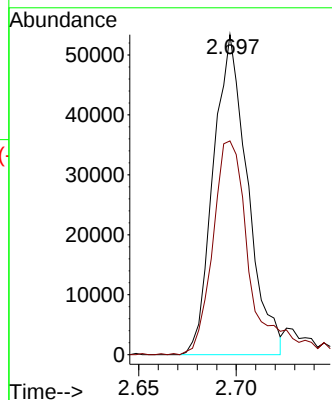
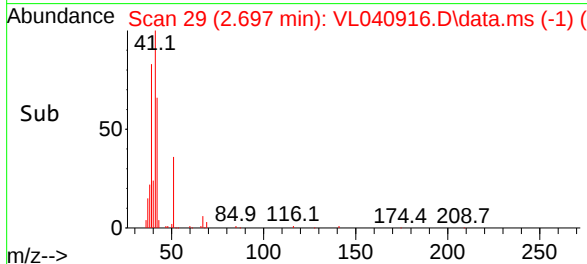
Instrument :
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 ClientSampleId :
 VSTDIC001



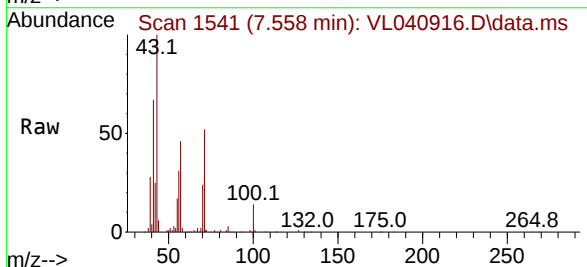
Tgt Ion: 41 Resp: 65089
 Ion Ratio Lower Upper
 41 100
 42 74.6 55.8 83.6

Manual Integrations
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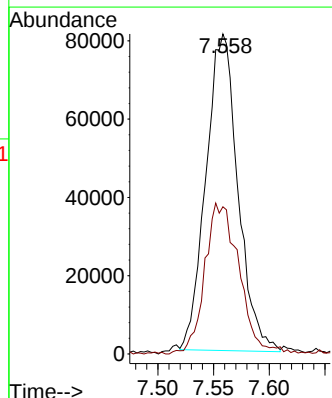
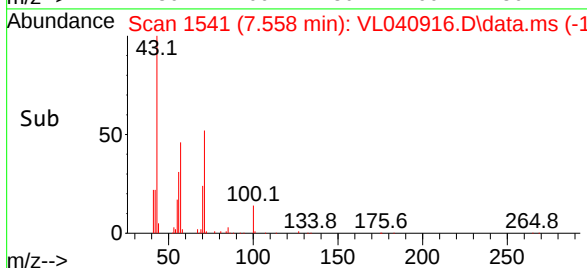
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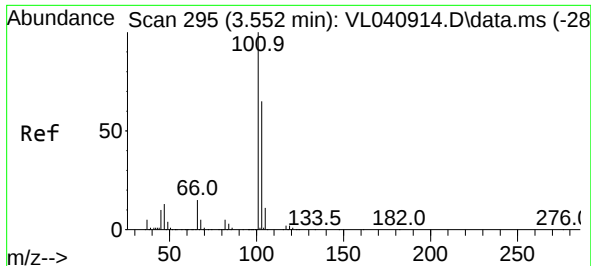


#10
 Heptane
 Concen: 1.042 ppbv
 RT: 7.558 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VL040916.D
 Acq: 20 Dec 2023 12:25



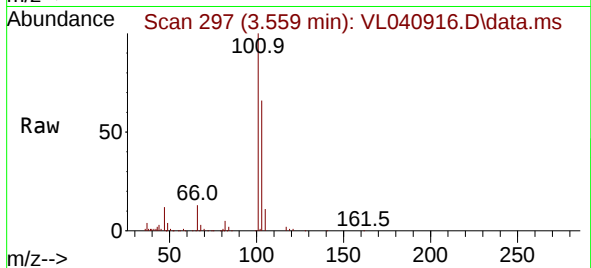
Tgt Ion: 43 Resp: 161778
 Ion Ratio Lower Upper
 43 100
 57 51.9 39.3 58.9





#11
Trichlorofluoromethane
Concen: 1.064 ppbv
RT: 3.559 min Scan# 295
Delta R.T. 0.007 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

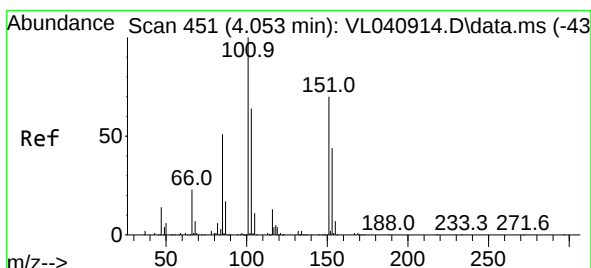
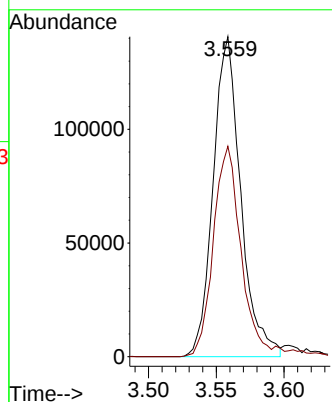
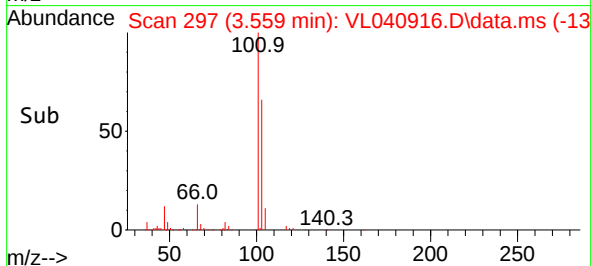
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



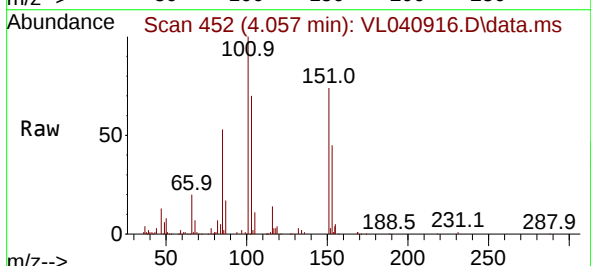
Tgt Ion:101 Resp: 199197
Ion Ratio Lower Upper
101 100
103 65.8 51.9 77.9

Manual Integrations
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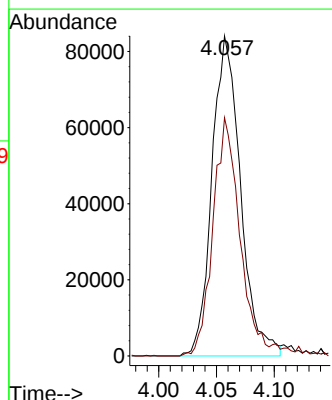
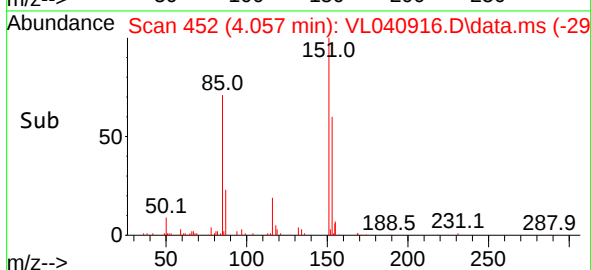
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

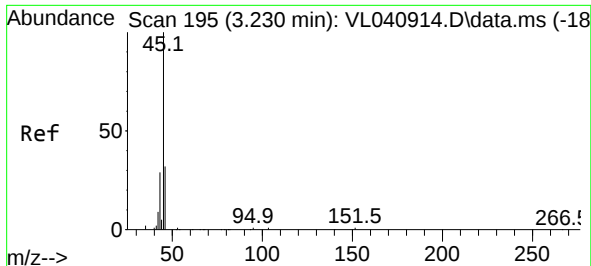


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.994 ppbv
RT: 4.057 min Scan# 452
Delta R.T. 0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25



Tgt Ion:101 Resp: 144550
Ion Ratio Lower Upper
101 100
151 72.3 55.8 83.8





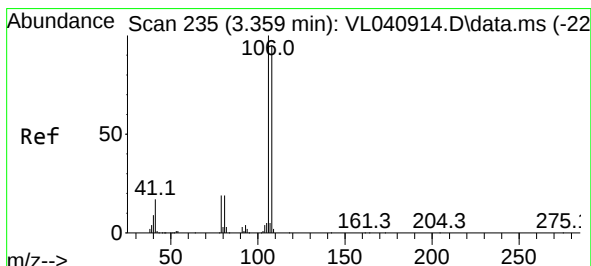
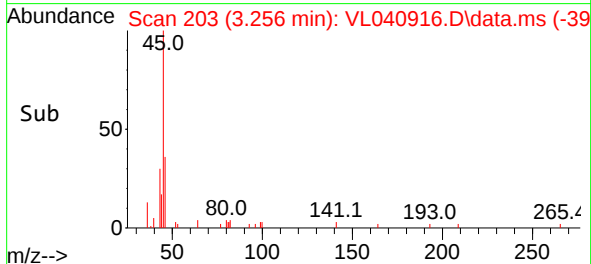
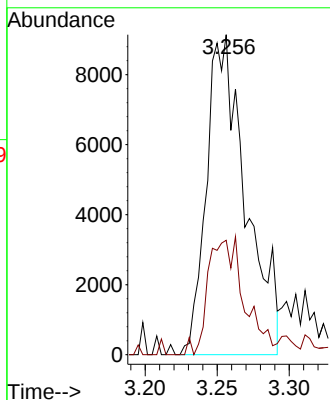
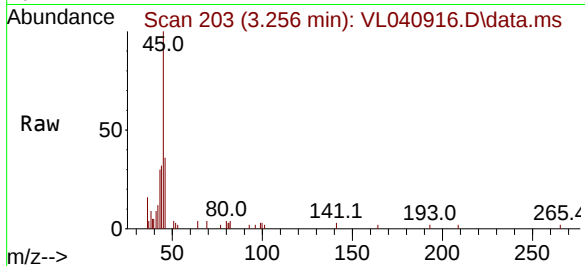
#13
Ethanol
Concen: 1.245 ppbv m
RT: 3.256 min Scan# 203
Delta R.T. 0.026 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 17375
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.0

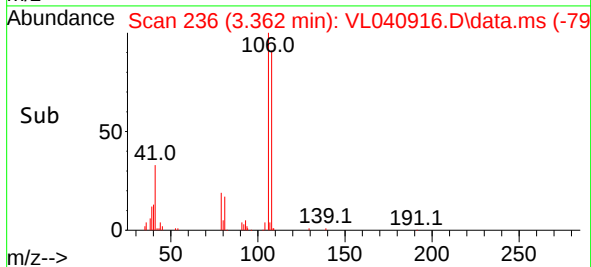
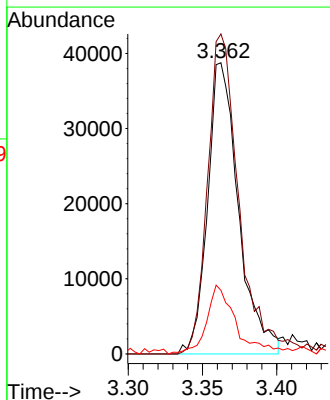
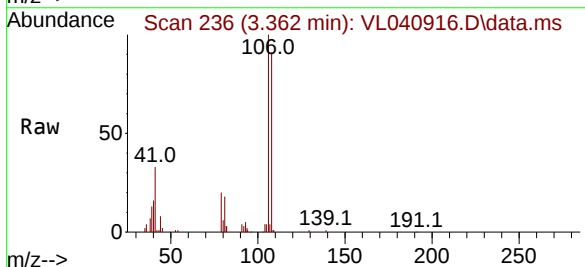
Manual Integrations
APPROVED

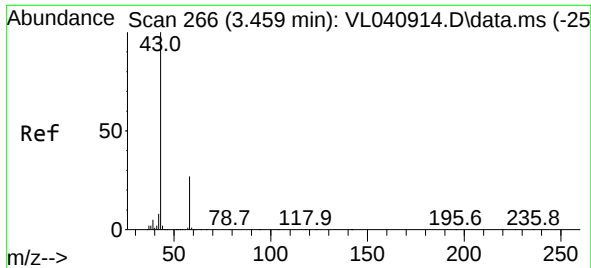
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#14
Bromoethene
Concen: 1.053 ppbv
RT: 3.362 min Scan# 236
Delta R.T. 0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

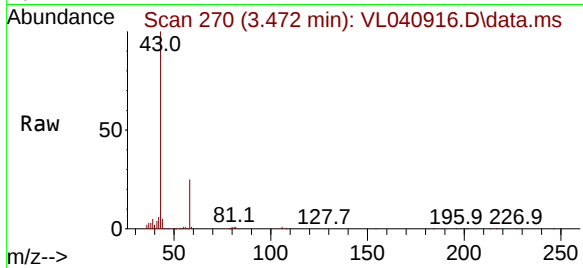
Tgt Ion:108 Resp: 56119
Ion Ratio Lower Upper
108 100
106 116.3 87.5 131.3
79 22.2 16.6 24.8





#15
Acetone
Concen: 1.149 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

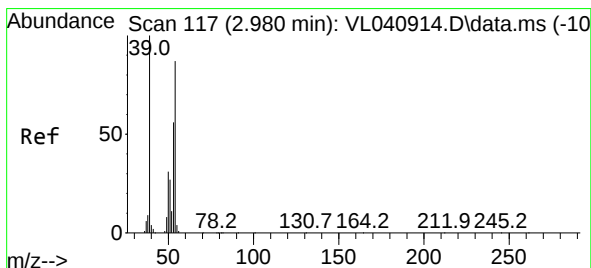
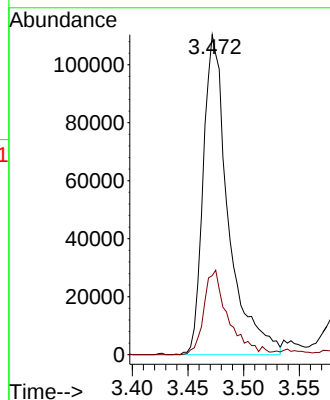
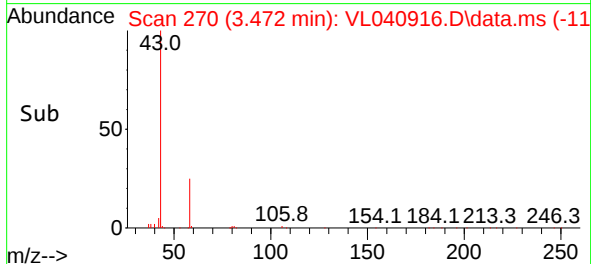
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



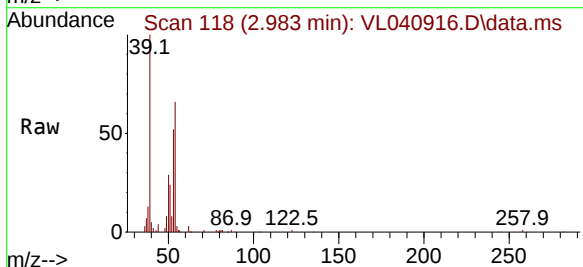
Tgt Ion: 43 Resp: 17327
Ion Ratio Lower Upper
43 100
58 27.3 20.6 30.8

Manual Integrations
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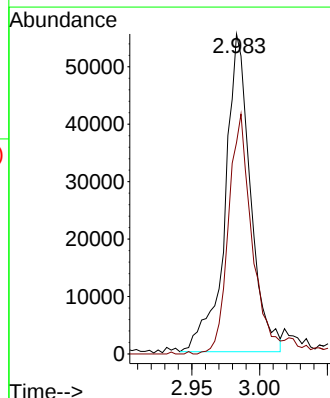
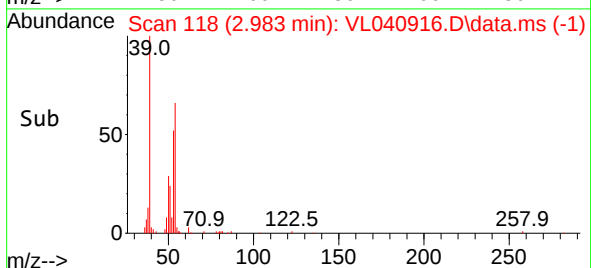
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

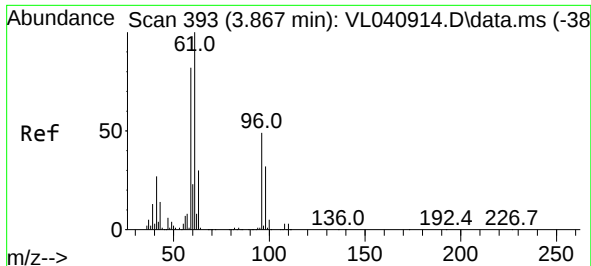


#16
1,3-Butadiene
Concen: 1.115 ppbv
RT: 2.983 min Scan# 118
Delta R.T. 0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25



Tgt Ion: 39 Resp: 72405
Ion Ratio Lower Upper
39 100
54 75.3 63.8 95.6





#17

tert-Butyl alcohol

Concen: 1.045 ppbv

RT: 3.880 min Scan# 393

Delta R.T. 0.013 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 59 Resp: 11660

Ion Ratio Lower Upper

59 100

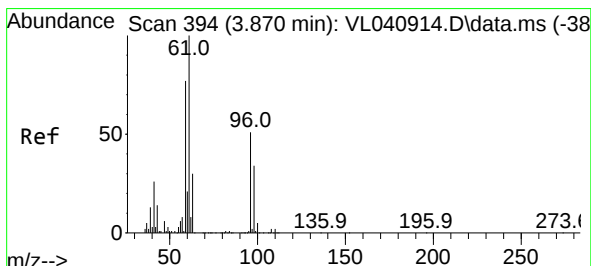
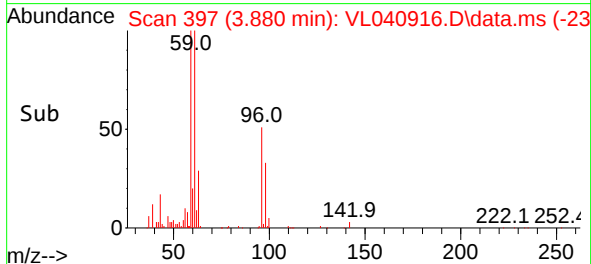
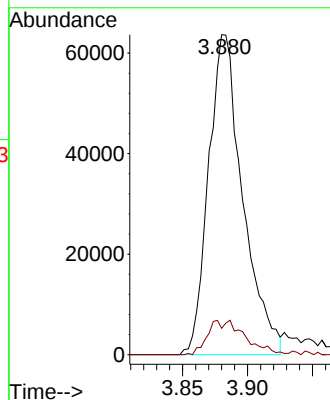
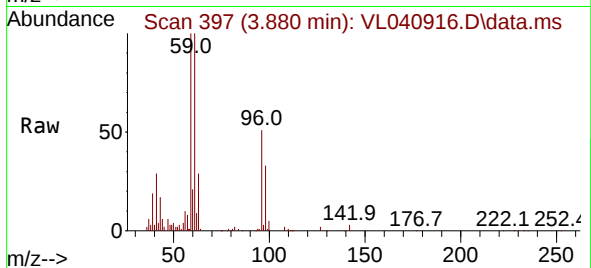
57 12.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#18

1,1-Dichloroethene

Concen: 1.052 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.000 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

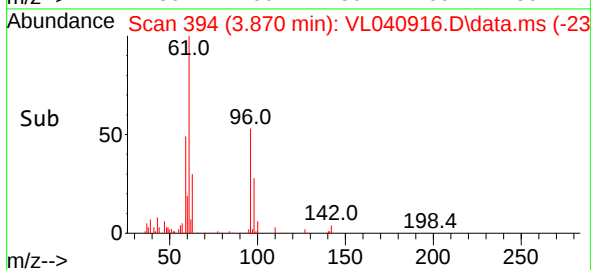
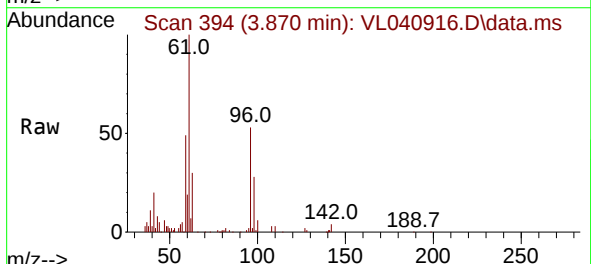
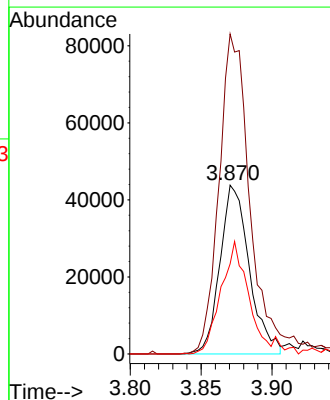
Tgt Ion: 96 Resp: 63177

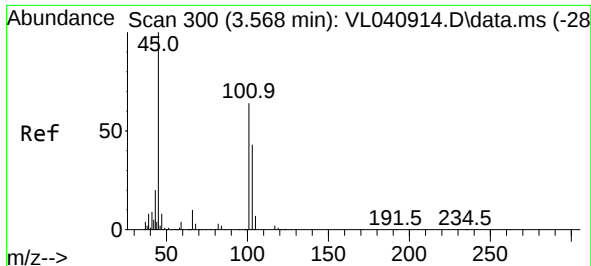
Ion Ratio Lower Upper

96 100

61 189.5 156.6 235.0

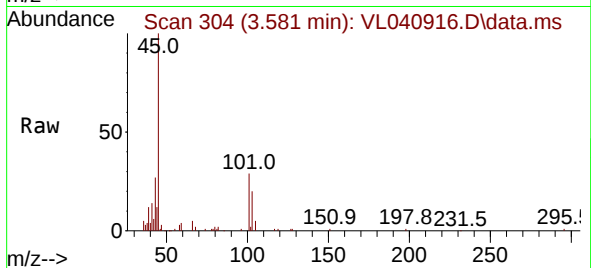
98 53.4 52.5 78.7





#19
Isopropyl Alcohol
Concen: 1.080 ppbv m
RT: 3.581 min Scan# 304
Delta R.T. 0.013 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

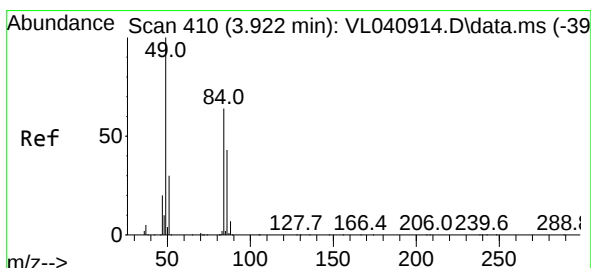
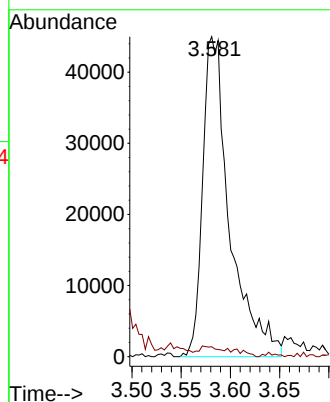
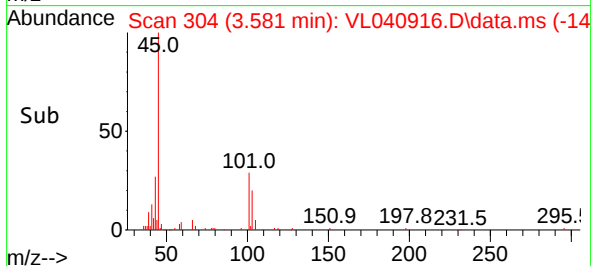
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



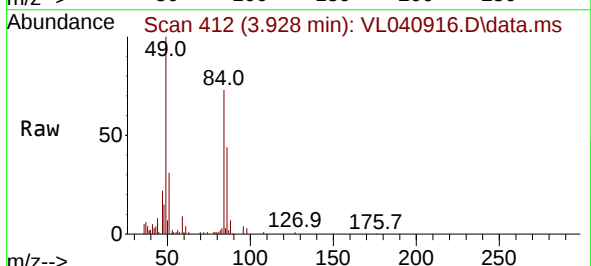
Tgt Ion: 45 Resp: 86129
Ion Ratio Lower Upper
45 100
58 4.0 1.5 2.3

Manual Integrations
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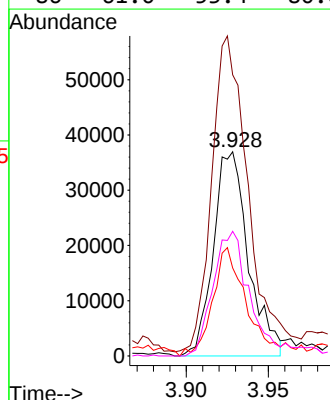
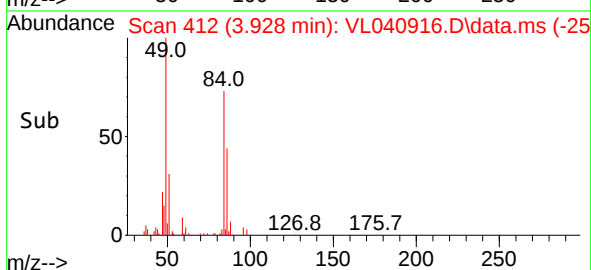
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

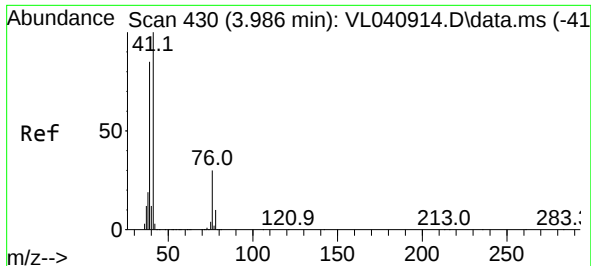


#20
Methylene Chloride
Concen: 1.010 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.007 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25



Tgt Ion: 84 Resp: 54843
Ion Ratio Lower Upper
84 100
49 135.2 124.6 187.0
51 43.1 37.2 55.8
86 61.0 53.4 80.0





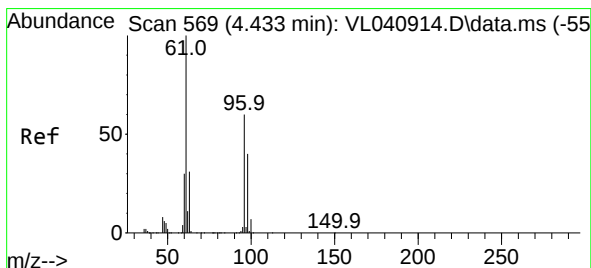
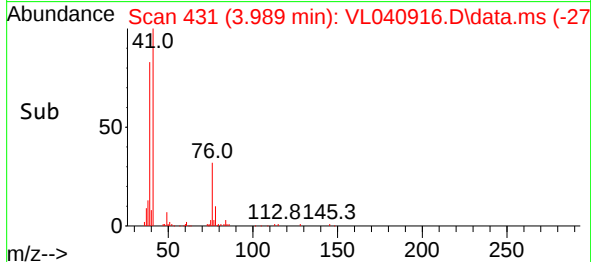
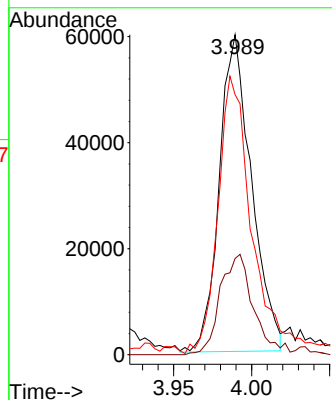
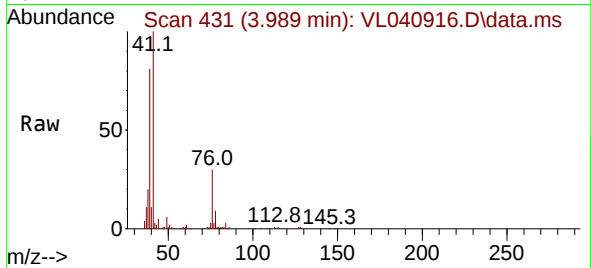
#21
 Allyl Chloride
 Concen: 0.965 ppbv
 RT: 3.989 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040916.D
 Acq: 20 Dec 2023 12:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 41 Resp: 85970
 Ion Ratio Lower Upper
 41 100
 76 33.9 23.9 35.9
 39 92.4 66.5 99.7

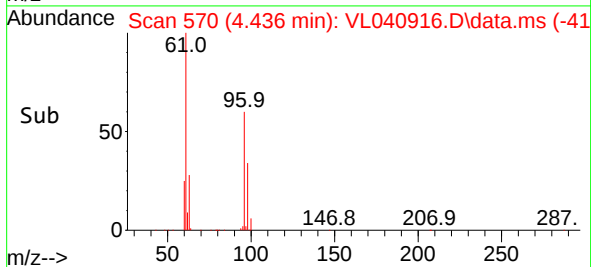
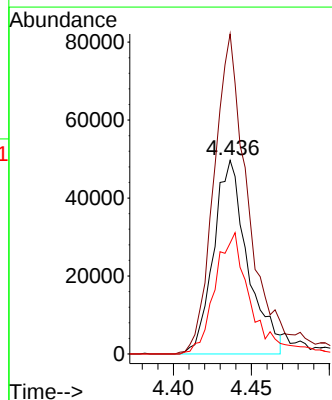
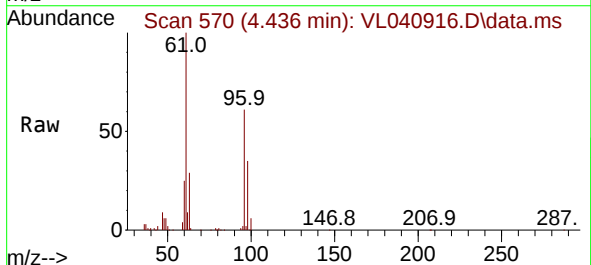
Manual Integrations
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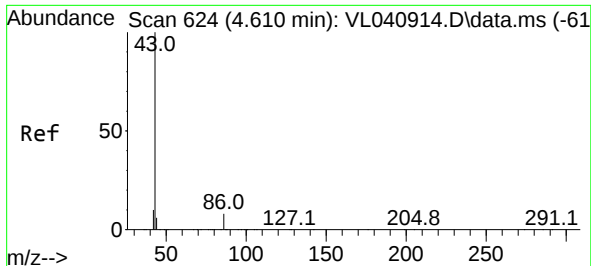
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#22
 trans-1,2-Dichloroethene
 Concen: 1.089 ppbv
 RT: 4.436 min Scan# 570
 Delta R.T. 0.003 min
 Lab File: VL040916.D
 Acq: 20 Dec 2023 12:25

Tgt Ion: 96 Resp: 75347
 Ion Ratio Lower Upper
 96 100
 61 164.3 133.0 199.6
 98 57.2 53.7 80.5





#23
 Vinyl Acetate
 Concen: 0.962 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: VL040916.D
 Acq: 20 Dec 2023 12:25

Instrument :

MSVOA_L

ClientSampleId :

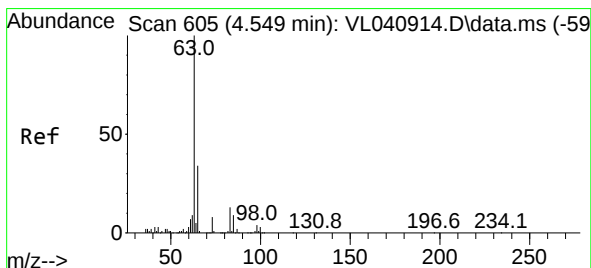
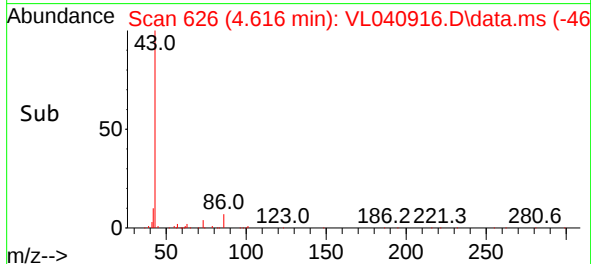
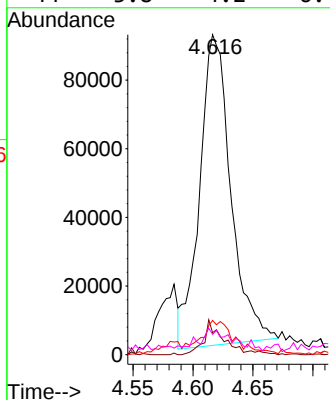
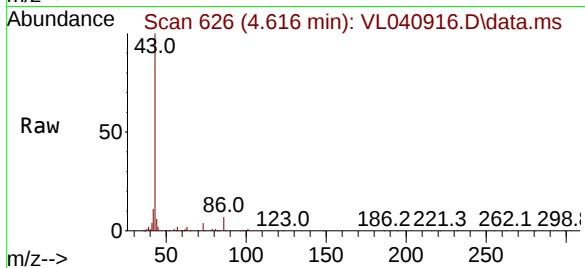
VSTDIC001

Tgt Ion: 43 Resp: 163950
 Ion Ratio Lower Upper
 43 100
 86 7.2 5.5 8.3
 42 10.9 8.4 12.6
 44 3.8 4.2 6.4#

Manual Integrations

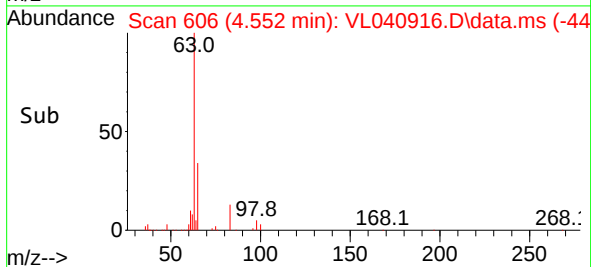
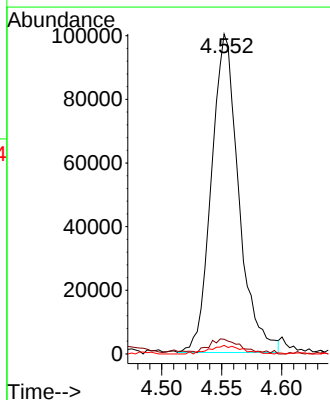
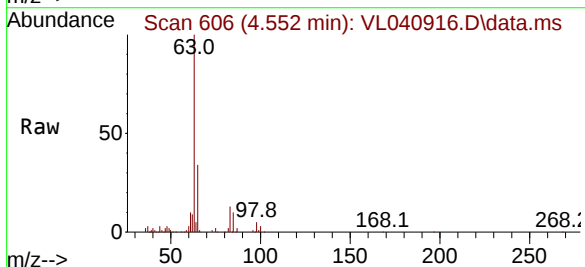
APPROVED

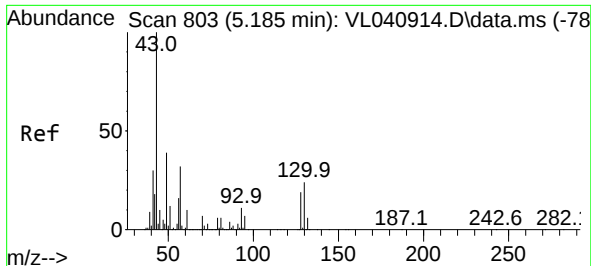
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#24
 1,1-Dichloroethane
 Concen: 1.066 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. 0.003 min
 Lab File: VL040916.D
 Acq: 20 Dec 2023 12:25

Tgt Ion: 63 Resp: 158705
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.1 6.5
 100 2.7 1.4 4.2





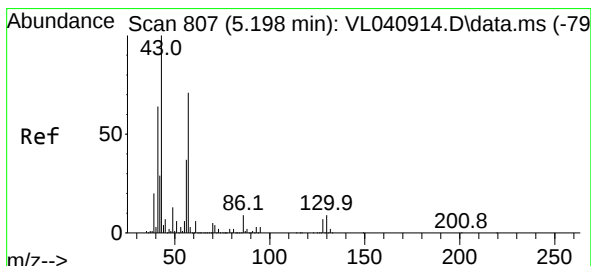
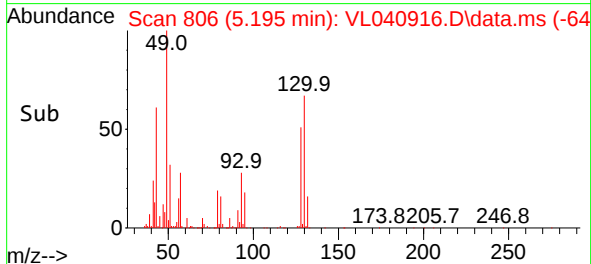
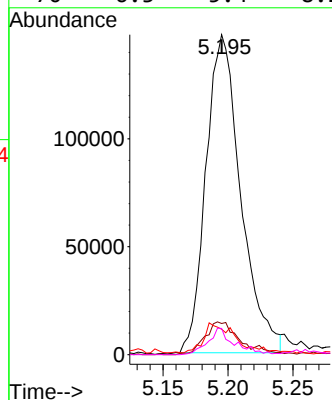
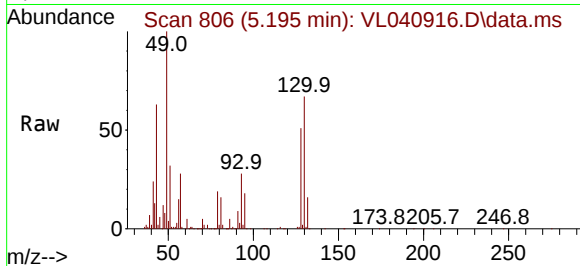
#25
Ethyl Acetate
Concen: 1.049 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.010 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

Instrument :
MSVOA_L
Client Sample Id :
VSTDIC001

Tgt Ion: 43 Resp: 27423
Ion Ratio Lower Upper
43 100
45 10.9 8.2 12.2
61 11.1 7.6 11.4
70 6.3 5.4 8.2

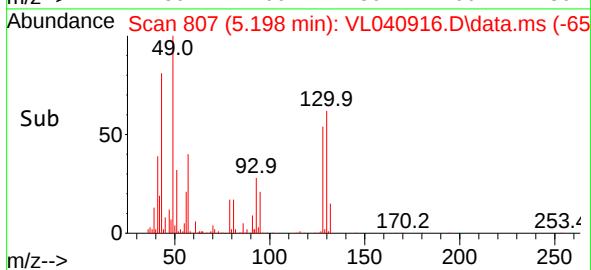
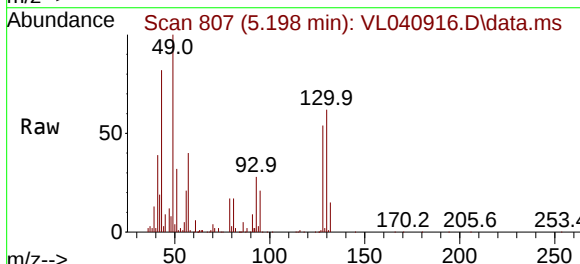
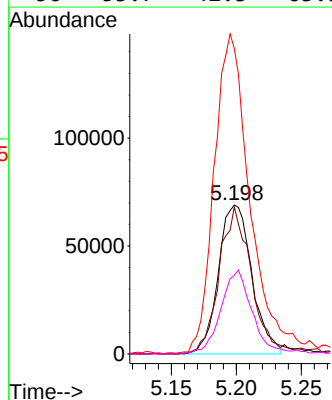
Manual Integrations
APPROVED

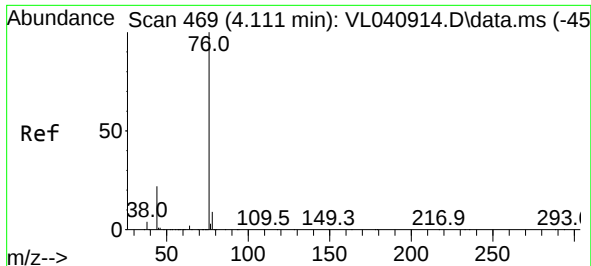
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#26
Hexane
Concen: 1.057 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

Tgt Ion: 57 Resp: 123334
Ion Ratio Lower Upper
57 100
41 98.7 75.2 112.8
43 239.5 188.0 282.0
56 53.7 42.3 63.5





#27

Carbon Disulfide

Concen: 0.963 ppbv

RT: 4.118 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

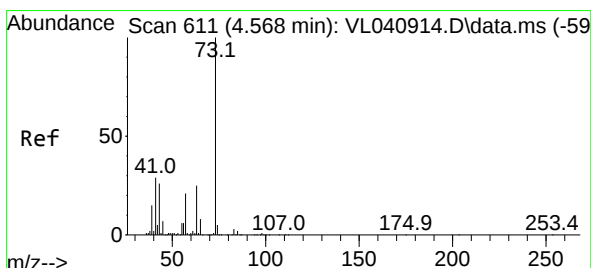
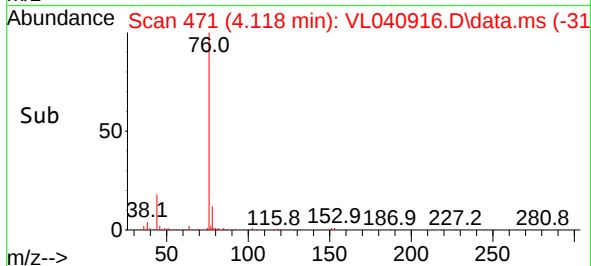
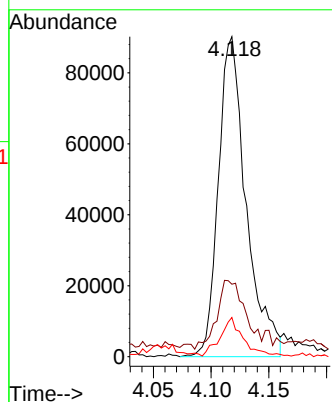
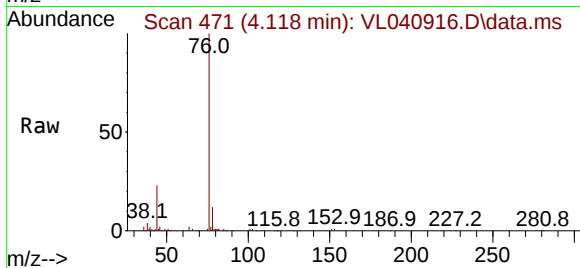
Tgt Ion: 76 Resp: 15091

Ion	Ratio	Lower	Upper
76	100		
44	24.4	18.4	27.6
78	11.0	7.9	11.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#28

Methyl tert-Butyl Ether

Concen: 1.052 ppbv

RT: 4.581 min Scan# 615

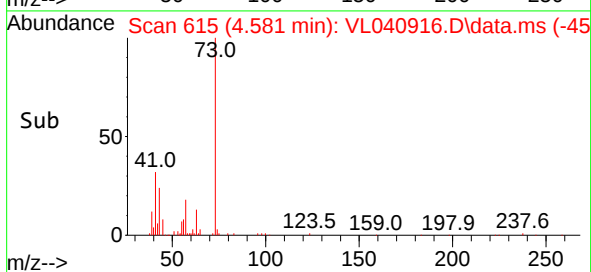
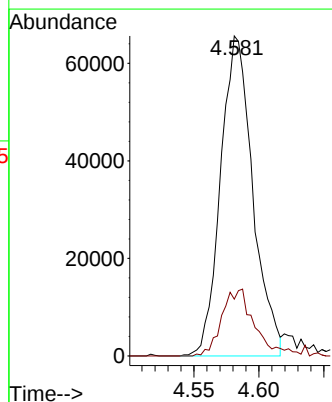
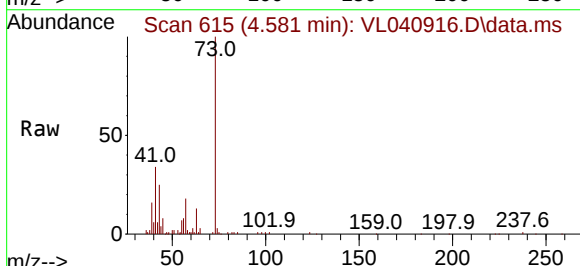
Delta R.T. 0.013 min

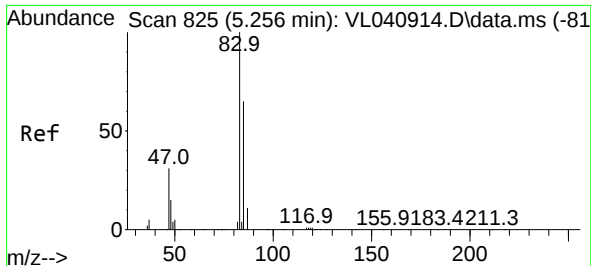
Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Tgt Ion: 73 Resp: 113076

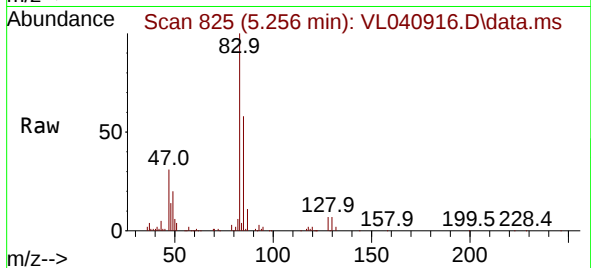
Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.0	27.0





#29
Chloroform
Concen: 1.042 ppbv
RT: 5.256 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

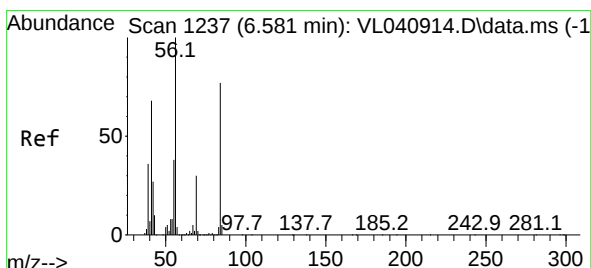
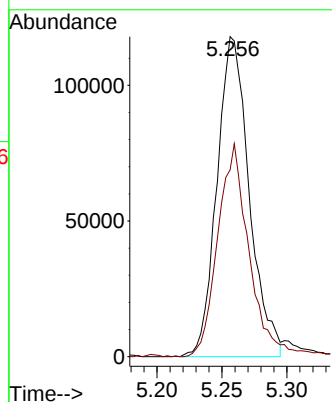
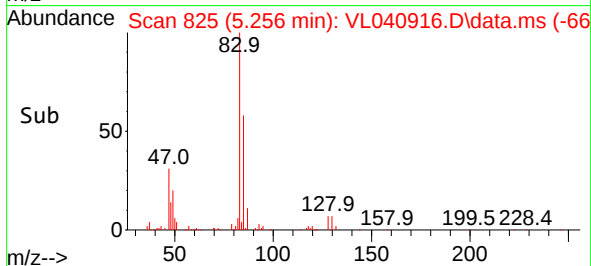
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



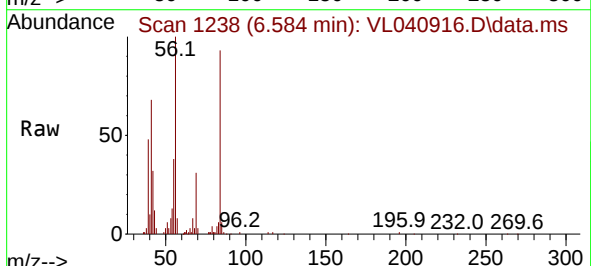
Tgt Ion: 83 Resp: 20369
Ion Ratio Lower Upper
83 100
85 58.4 52.3 78.5

Manual Integrations
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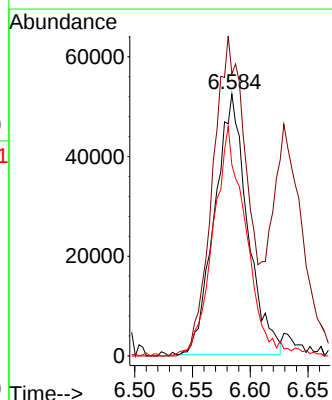
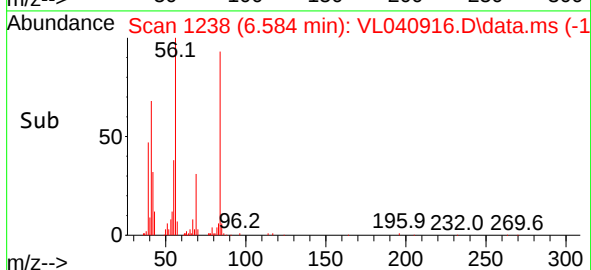
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

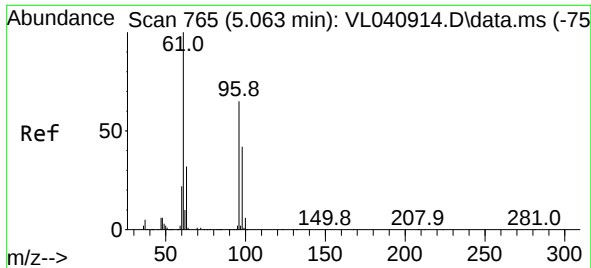


#30
Cyclohexane
Concen: 1.071 ppbv
RT: 6.584 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25



Tgt Ion: 84 Resp: 103376
Ion Ratio Lower Upper
84 100
56 124.4 111.4 167.2
41 88.8 70.0 105.0





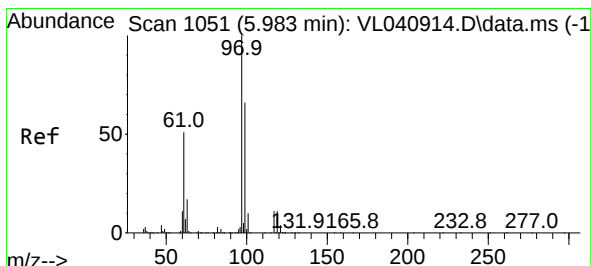
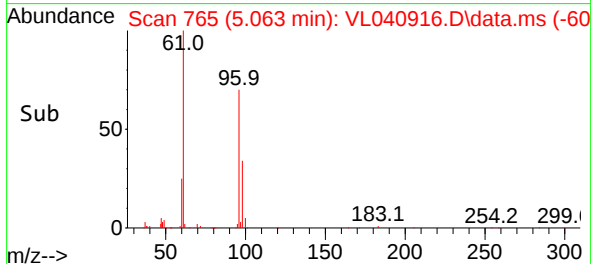
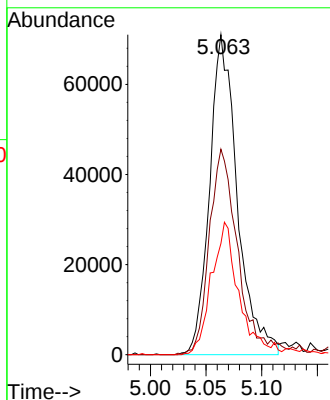
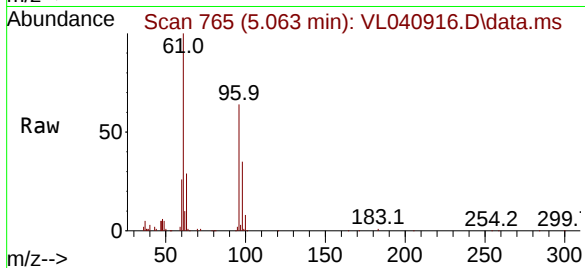
#31
 cis-1,2-Dichloroethene
 Concen: 1.036 ppbv
 RT: 5.063 min Scan# 765
 Delta R.T. 0.000 min
 Lab File: VL040916.D
 Acq: 20 Dec 2023 12:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 61 Resp: 123189
 Ion Ratio Lower Upper
 61 100
 96 63.8 51.7 77.5
 98 34.8 33.2 49.8

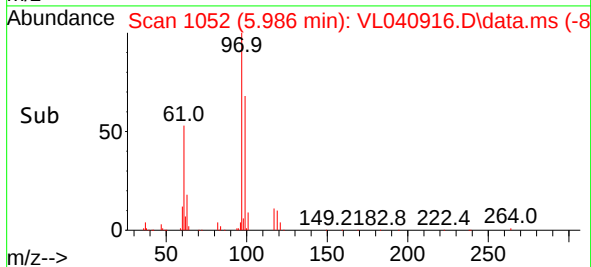
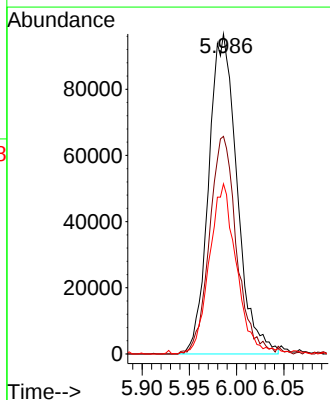
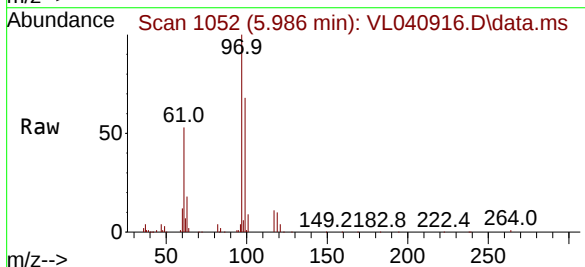
Manual Integrations
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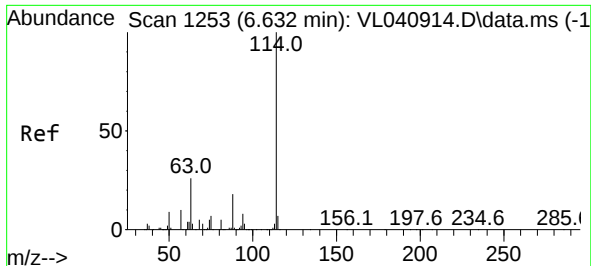
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#32
 1,1,1-Trichloroethane
 Concen: 1.082 ppbv
 RT: 5.986 min Scan# 1052
 Delta R.T. 0.003 min
 Lab File: VL040916.D
 Acq: 20 Dec 2023 12:25

Tgt Ion: 97 Resp: 201528
 Ion Ratio Lower Upper
 97 100
 99 65.9 51.8 77.6
 61 51.7 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 3234029

Ion Ratio Lower Upper

114 100

63 25.2 21.0 31.6

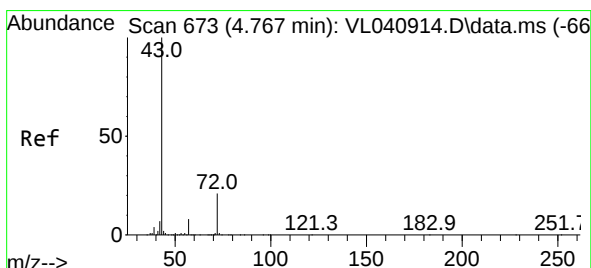
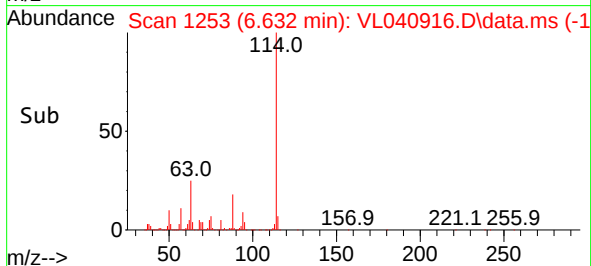
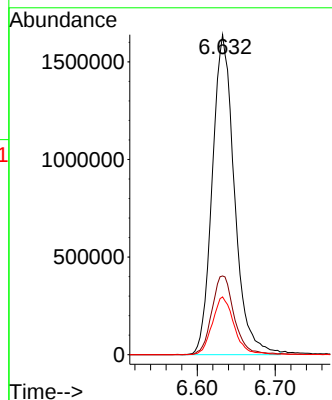
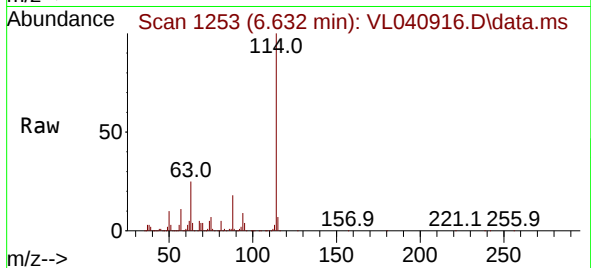
88 17.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#34

2-Butanone

Concen: 1.041 ppbv

RT: 4.784 min Scan# 678

Delta R.T. 0.016 min

Lab File: VL040916.D

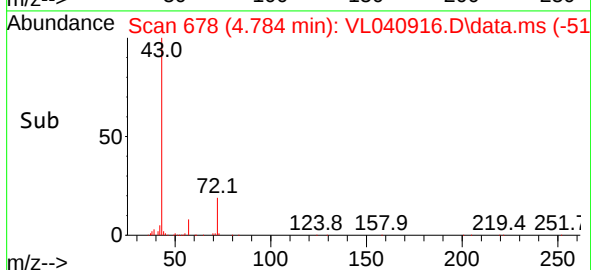
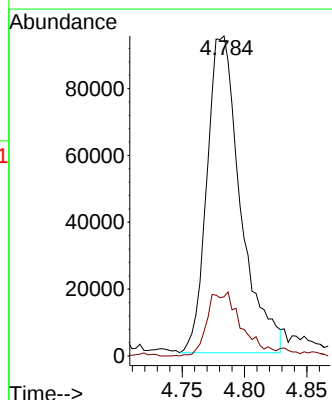
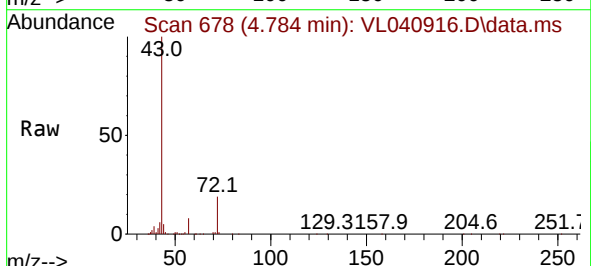
Acq: 20 Dec 2023 12:25

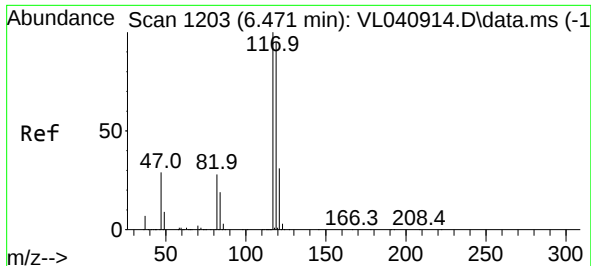
Tgt Ion: 43 Resp: 178110

Ion Ratio Lower Upper

43 100

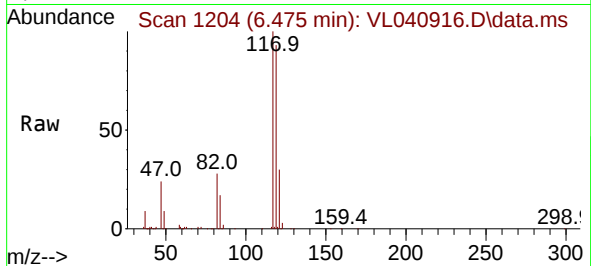
72 22.2 17.2 25.8





#35
Carbon Tetrachloride
Concen: 1.039 ppbv
RT: 6.475 min Scan# 1116
Delta R.T. 0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

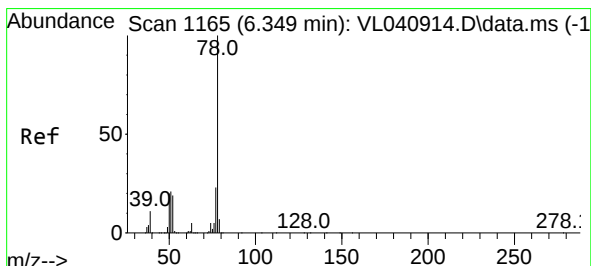
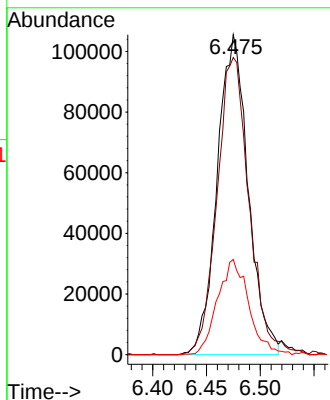
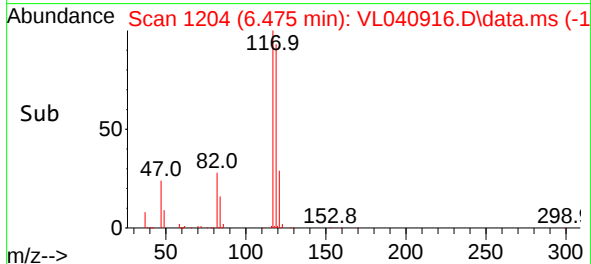
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



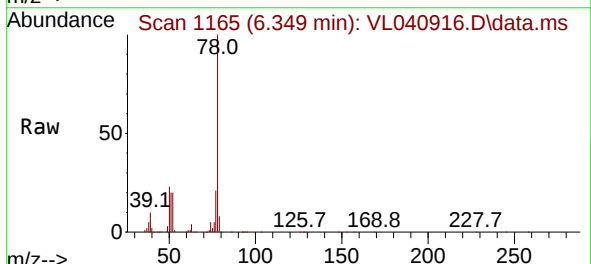
Tgt Ion:117 Resp: 21116
Ion Ratio Lower Upper
117 100
119 92.8 76.3 114.5
121 30.2 24.9 37.3

Manual Integrations
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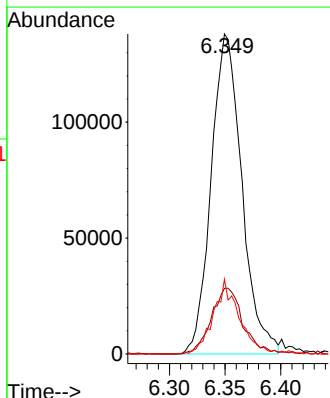
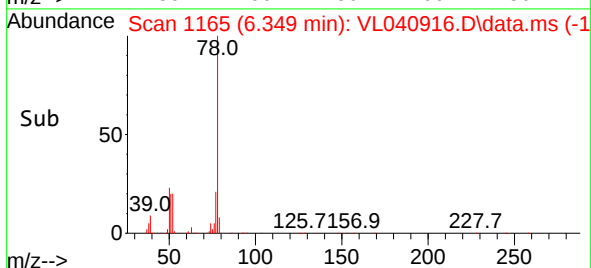
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

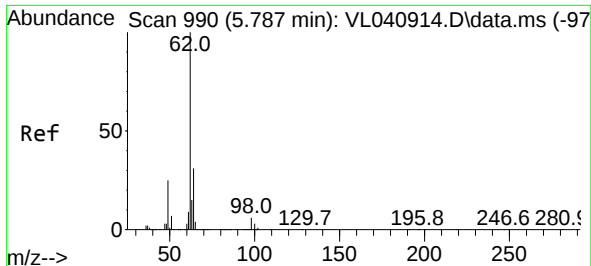


#36
Benzene
Concen: 1.046 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25



Tgt Ion: 78 Resp: 264404
Ion Ratio Lower Upper
78 100
77 20.5 18.4 27.6
50 23.2 16.0 24.0





#37

1,2-Dichloroethane

Concen: 1.004 ppbv

RT: 5.787 min Scan# 990

Delta R.T. 0.000 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 152110

Ion Ratio Lower Upper

62 100

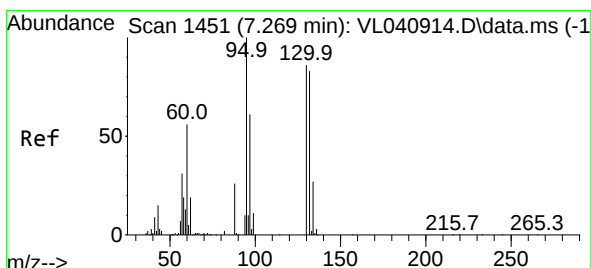
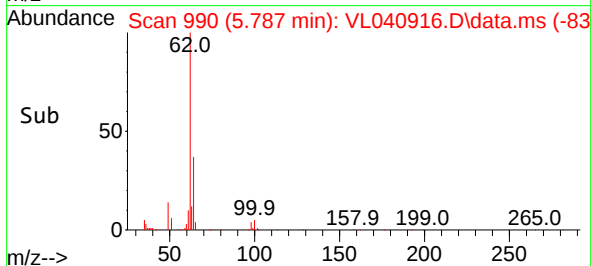
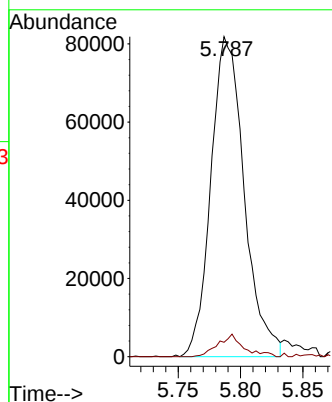
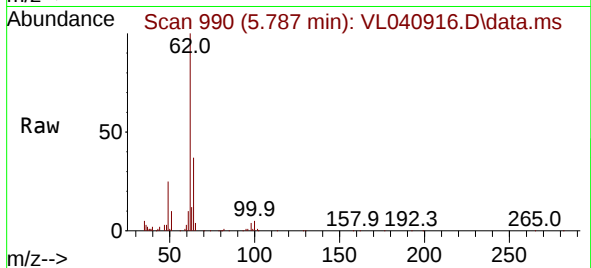
98 5.9 4.6 7.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#38

Trichloroethene

Concen: 1.021 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.000 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Tgt Ion:130 Resp: 99297

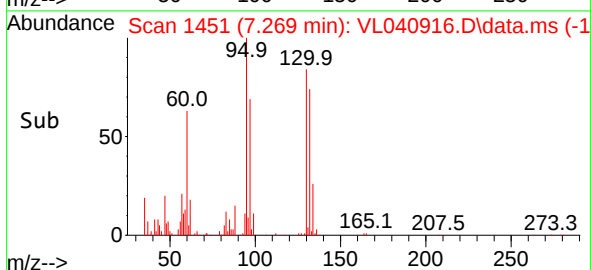
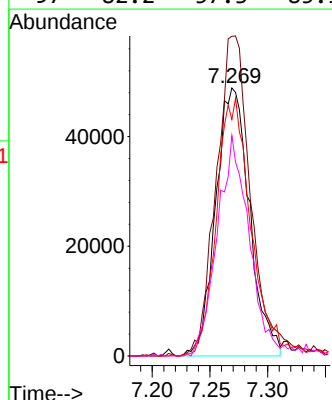
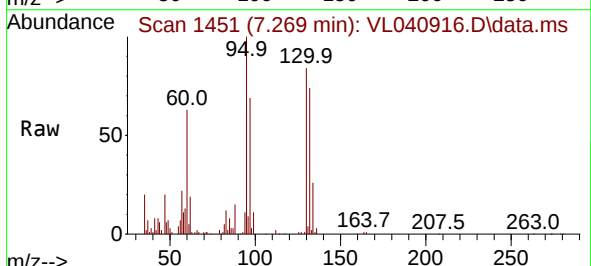
Ion Ratio Lower Upper

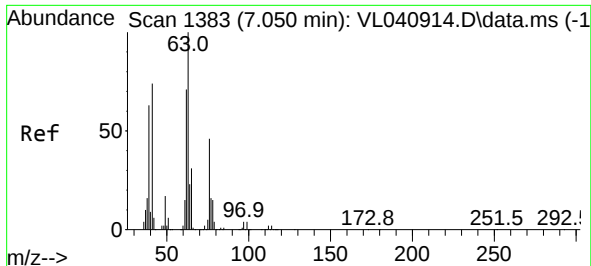
130 100

95 119.3 93.5 140.3

132 88.2 77.4 116.2

97 82.2 57.3 85.9





#39

1,2-Dichloropropane

Concen: 1.010 ppbv

RT: 7.054 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 63 Resp: 10059

Ion Ratio Lower Upper

63 100

41 67.2 59.0 88.6

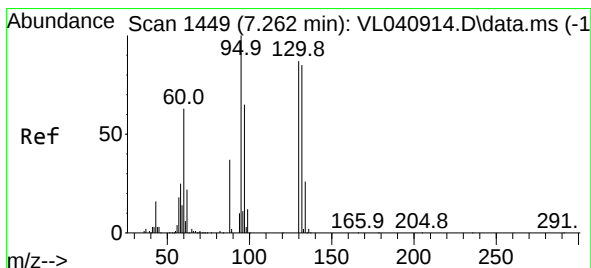
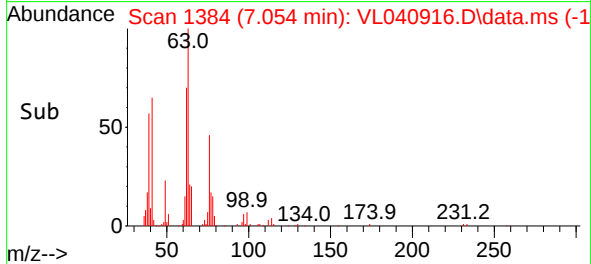
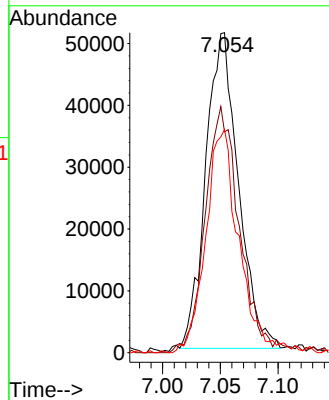
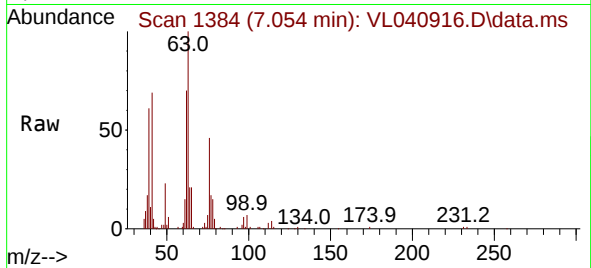
62 68.0 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#40

1,4-Dioxane

Concen: 1.064 ppbv m

RT: 7.282 min Scan# 1455

Delta R.T. 0.019 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Tgt Ion: 88 Resp: 43862

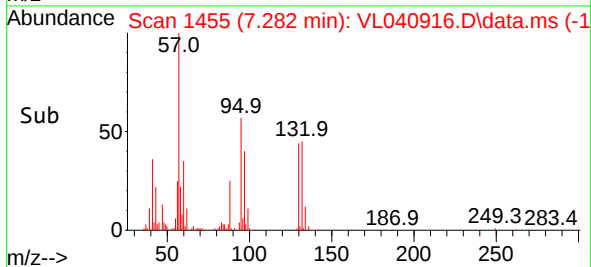
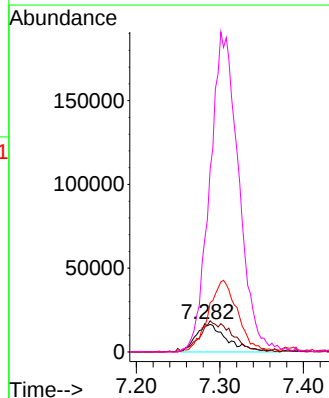
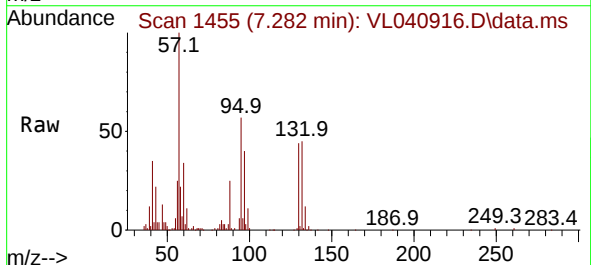
Ion Ratio Lower Upper

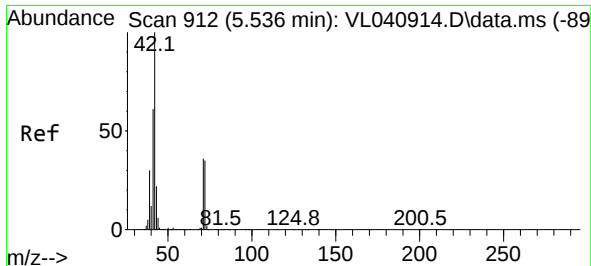
88 100

58 0.0 97.3 145.9#

43 0.0 200.6 300.8#

57 0.0 842.8 1264.2#





#41

Tetrahydrofuran

Concen: 1.003 ppbv m

RT: 5.558 min Scan# 912

Delta R.T. 0.023 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 42 Resp: 104180

Ion Ratio Lower Upper

42 100

72 37.0 29.6 44.4

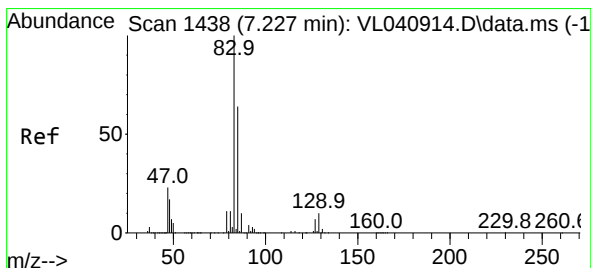
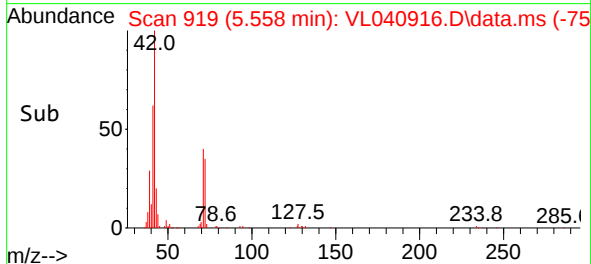
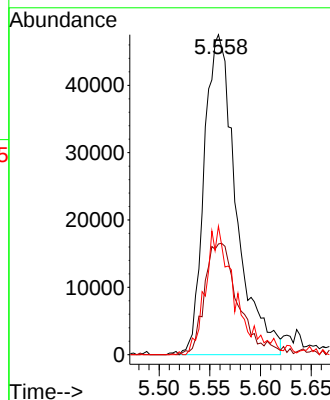
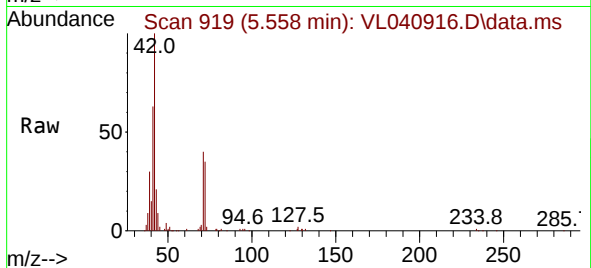
71 37.8 29.1 43.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#42

Bromodichloromethane

Concen: 1.016 ppbv

RT: 7.224 min Scan# 1437

Delta R.T. -0.003 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

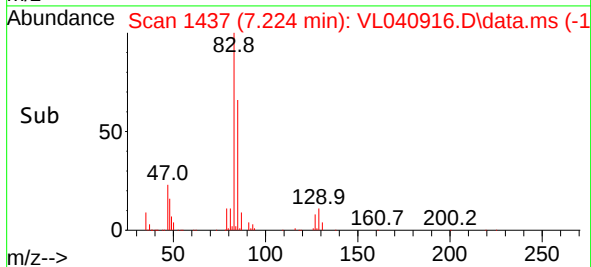
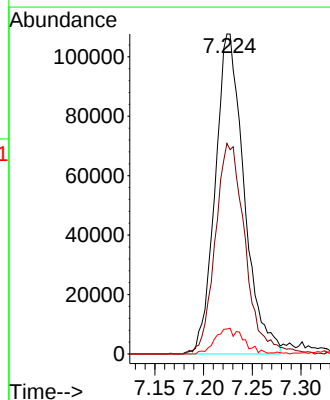
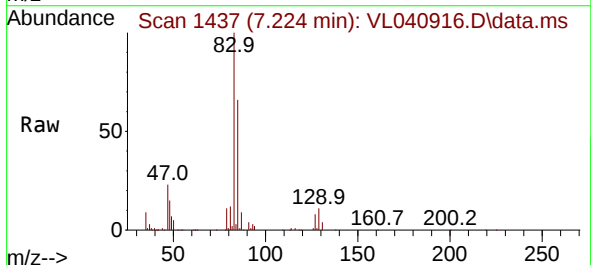
Tgt Ion: 83 Resp: 221877

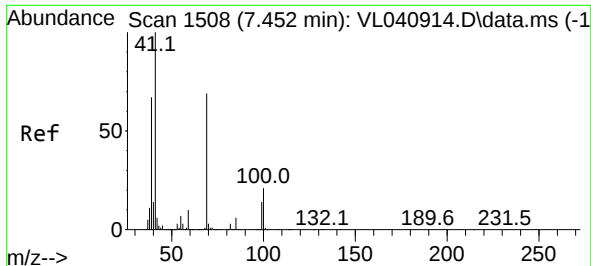
Ion Ratio Lower Upper

83 100

85 65.8 51.4 77.0

127 7.8 5.9 8.9





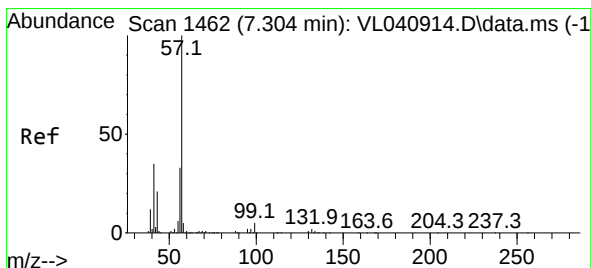
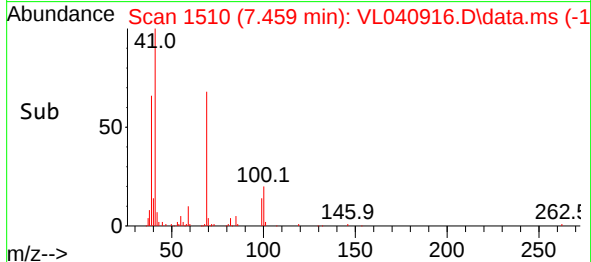
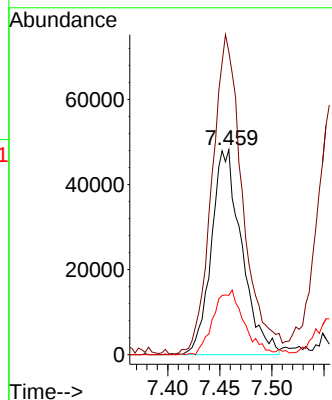
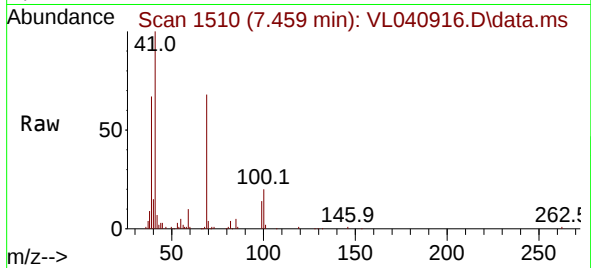
#43
Methyl Methacrylate
Concen: 0.991 ppbv m
RT: 7.459 min Scan# 1510
Delta R.T. 0.007 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 97672
Ion Ratio Lower Upper
69 100
41 0.0 119.9 179.9
100 0.0 25.1 37.7

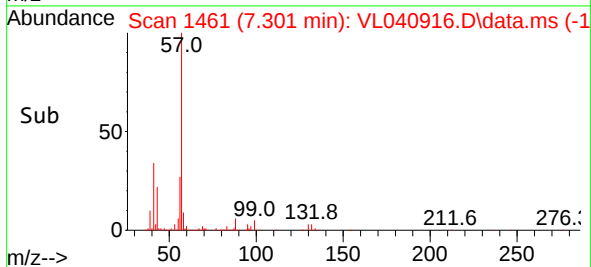
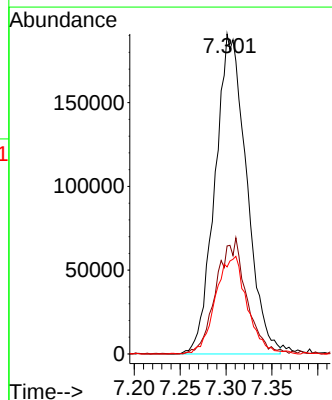
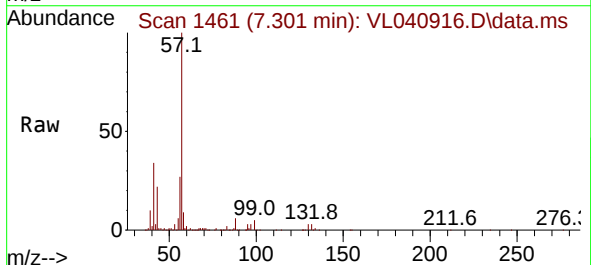
Manual Integrations
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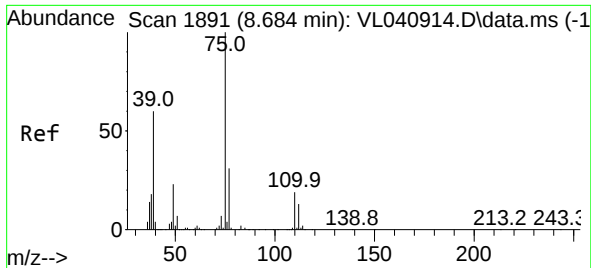
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#44
2,2,4-Trimethylpentane
Concen: 1.062 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. -0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

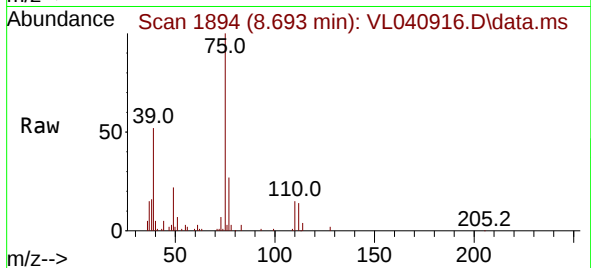
Tgt Ion: 57 Resp: 456135
Ion Ratio Lower Upper
57 100
41 35.3 28.2 42.4
56 30.7 25.3 37.9





#45
t-1,3-Dichloropropene
Concen: 0.884 ppbv m
RT: 8.693 min Scan# 1715
Delta R.T. 0.010 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

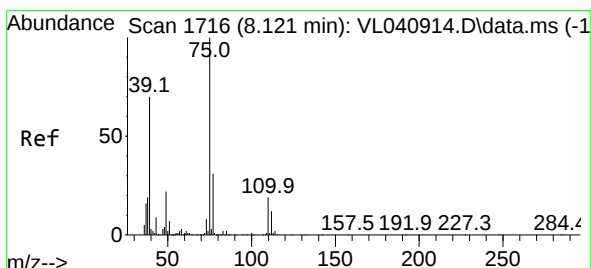
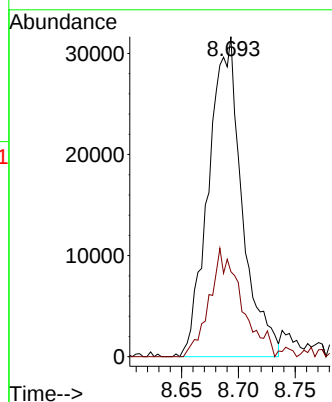
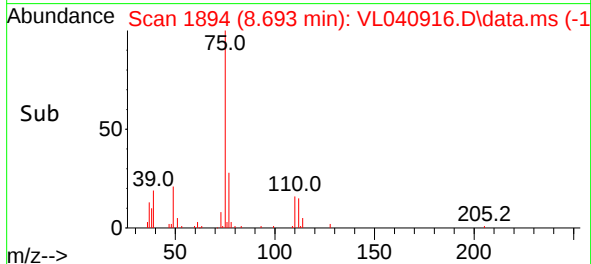
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 75 Resp: 6463
Ion Ratio Lower Upper
75 100
77 26.5 24.8 37.2

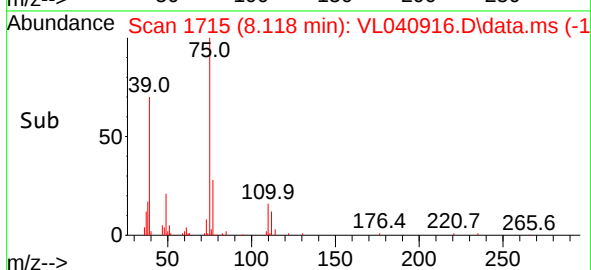
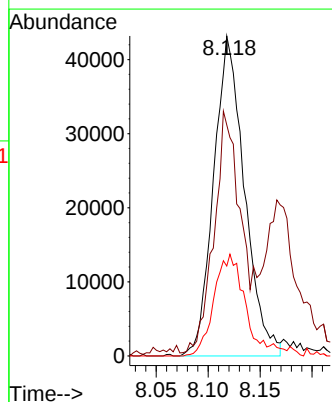
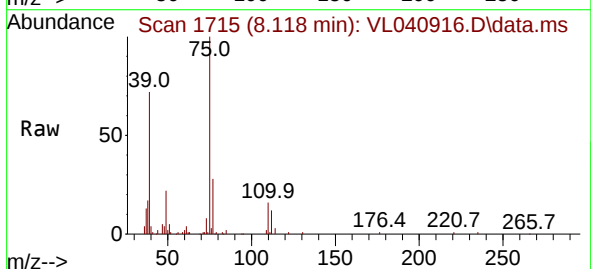
Manual Integrations
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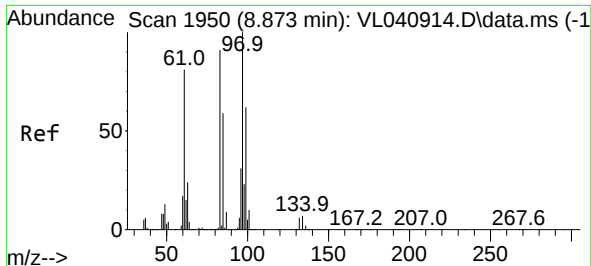
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#46
cis-1,3-Dichloropropene
Concen: 0.978 ppbv
RT: 8.118 min Scan# 1715
Delta R.T. -0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

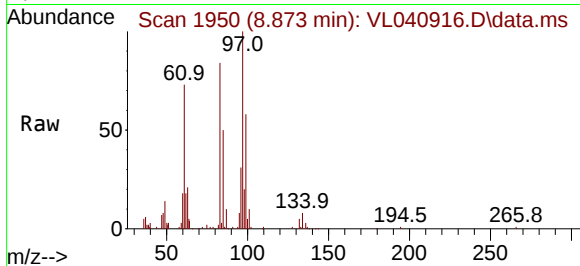
Tgt Ion: 75 Resp: 89037
Ion Ratio Lower Upper
75 100
39 71.2 56.2 84.4
77 28.1 24.5 36.7





#47
1,1,2-Trichloroethane
Concen: 1.014 ppbv
RT: 8.873 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

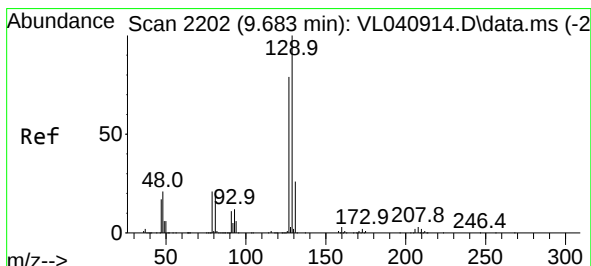
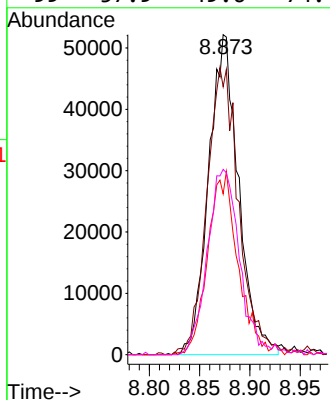
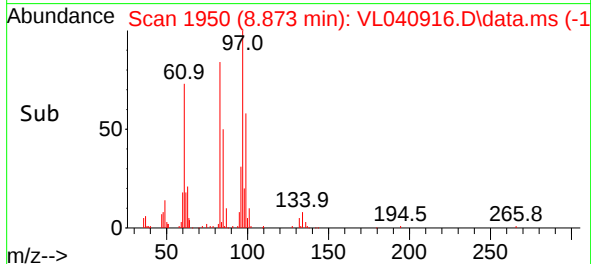
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 97 Resp: 10809
Ion Ratio Lower Upper
97 100
83 81.9 72.6 108.8
85 49.6 47.4 71.0
99 57.9 49.6 74.4

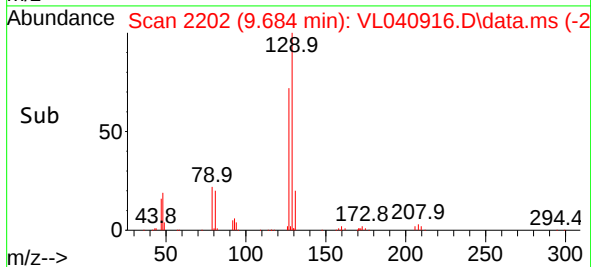
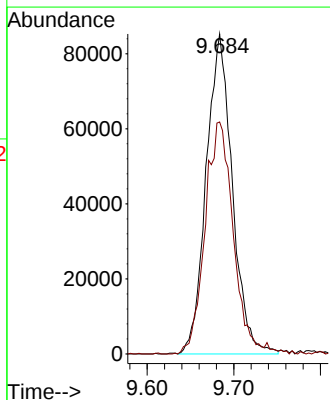
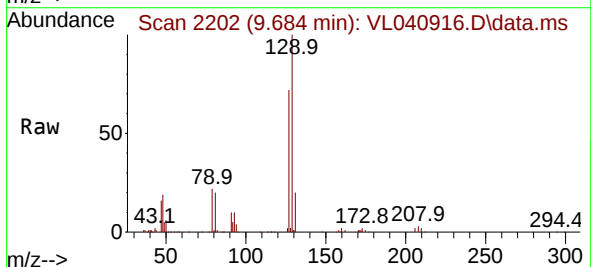
Manual Integrations
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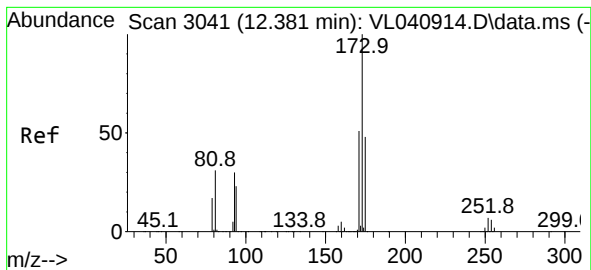
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#48
Dibromochloromethane
Concen: 0.993 ppbv
RT: 9.684 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

Tgt Ion:129 Resp: 178669
Ion Ratio Lower Upper
129 100
127 78.6 39.6 119.0





#49

Bromoform

Concen: 0.961 ppbv

RT: 12.375 min Scan# 3041

Delta R.T. -0.006 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:173 Resp: 133889

Ion Ratio Lower Upper

173 100

175 50.5 39.3 58.9

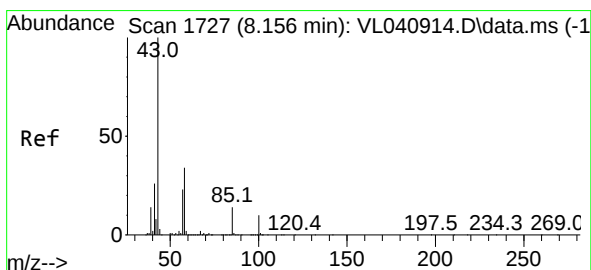
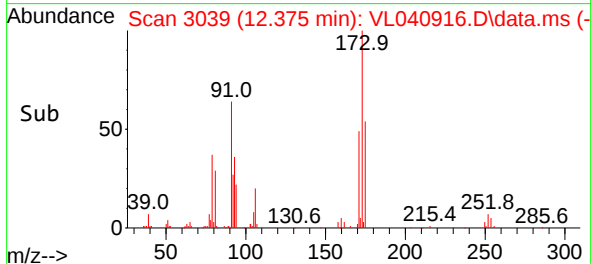
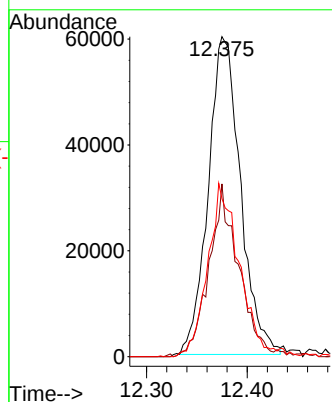
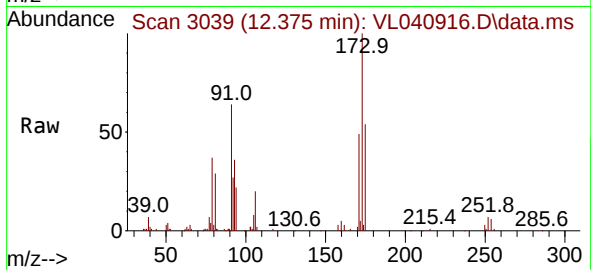
171 54.1 41.8 62.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#50

4-Methyl-2-Pentanone

Concen: 0.960 ppbv

RT: 8.172 min Scan# 1732

Delta R.T. 0.016 min

Lab File: VL040916.D

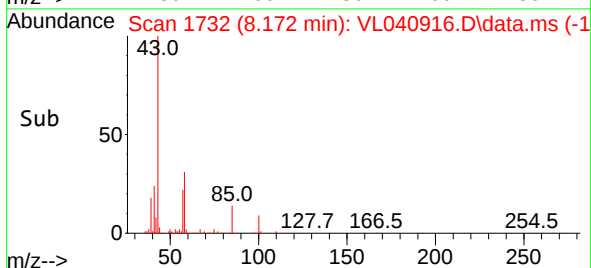
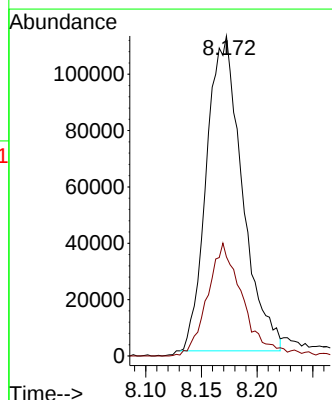
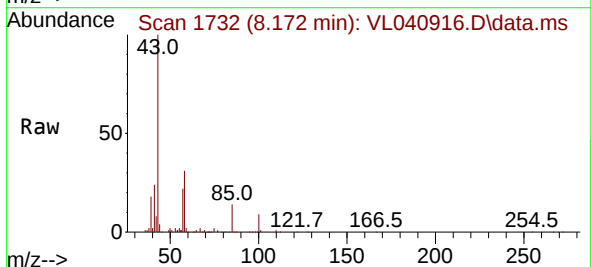
Acq: 20 Dec 2023 12:25

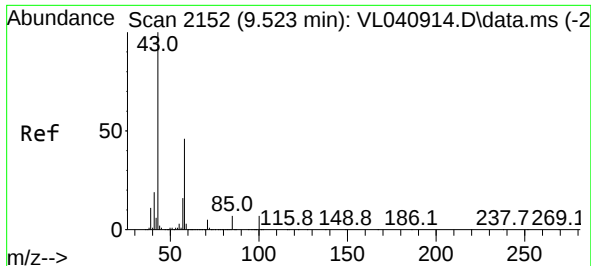
Tgt Ion: 43 Resp: 249241

Ion Ratio Lower Upper

43 100

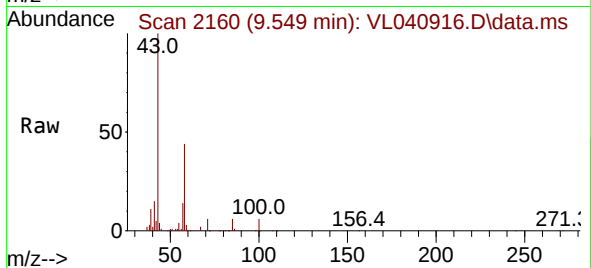
58 35.6 27.4 41.0





#51
2-Hexanone
Concen: 1.012 ppbv m
RT: 9.549 min Scan# 2152
Delta R.T. 0.026 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

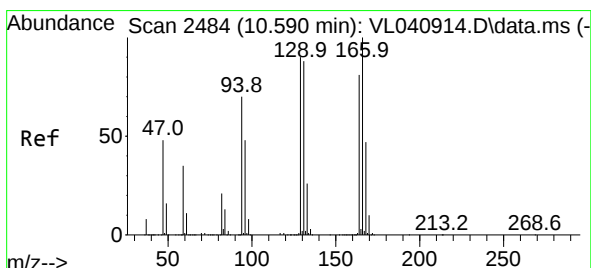
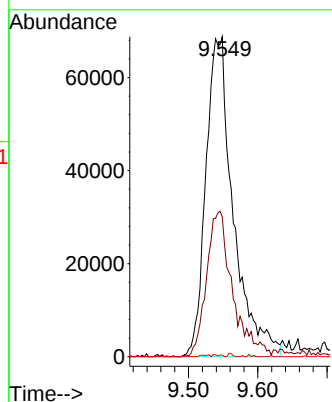
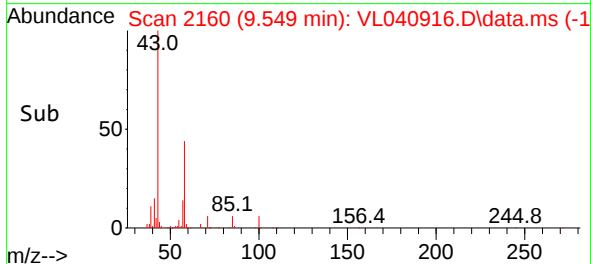
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 18908
Ion Ratio Lower Upper
43 100
58 0.0 37.3 55.9
98 0.0 0.2 0.2

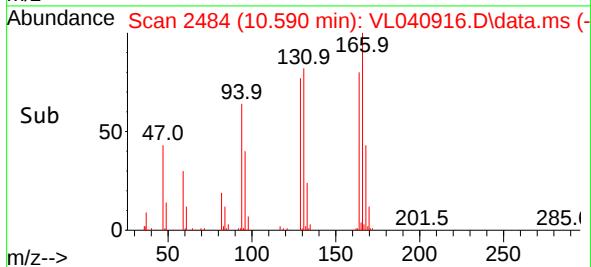
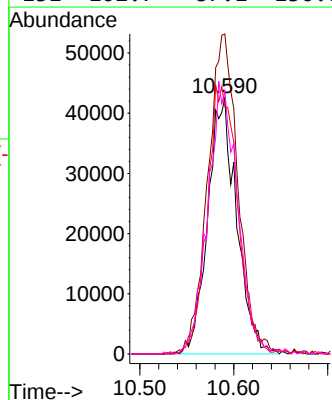
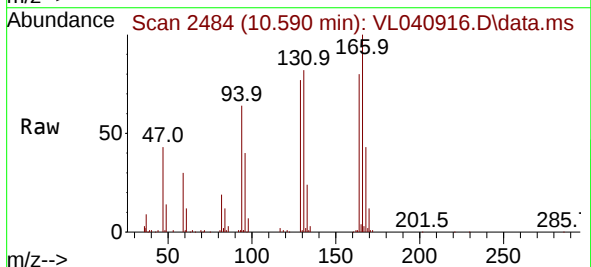
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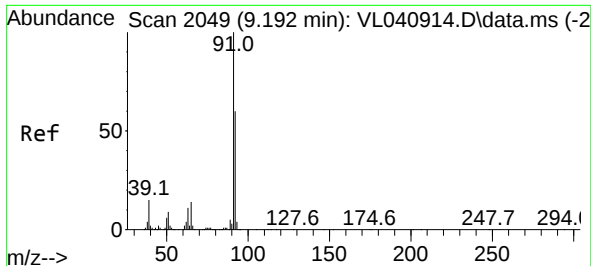
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#52
Tetrachloroethene
Concen: 1.064 ppbv m
RT: 10.590 min Scan# 2484
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

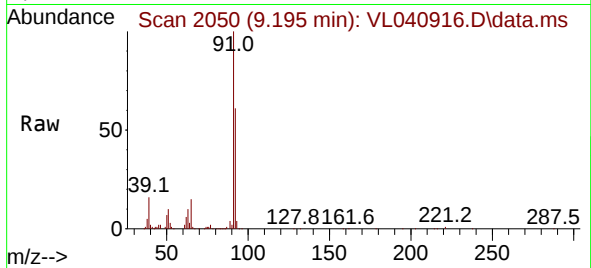
Tgt Ion:164 Resp: 90707
Ion Ratio Lower Upper
164 100
166 125.0 98.9 148.3
129 96.5 88.7 133.1
131 102.7 87.1 130.7





#53
Toluene
Concen: 1.033 ppbv
RT: 9.195 min Scan# 2049
Delta R.T. 0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

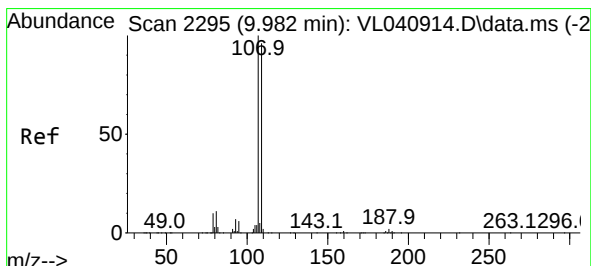
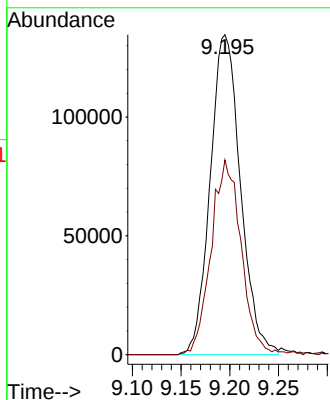
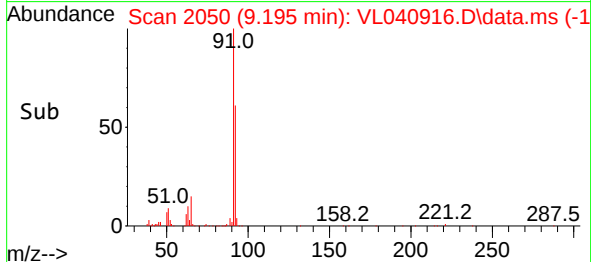
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



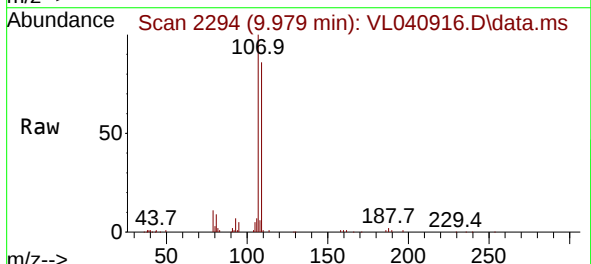
Tgt Ion: 91 Resp: 29187
Ion Ratio Lower Upper
91 100
92 60.5 49.2 73.8

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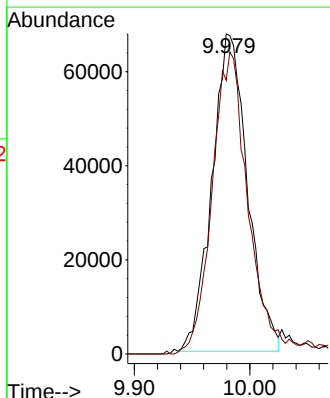
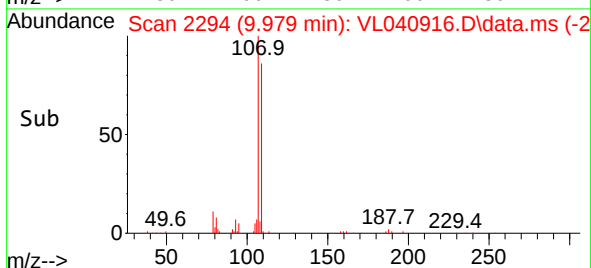
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

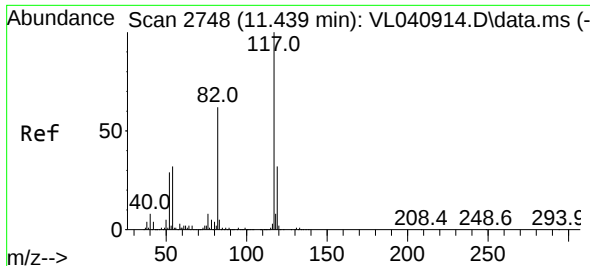


#54
1,2-Dibromoethane
Concen: 0.990 ppbv
RT: 9.979 min Scan# 2294
Delta R.T. -0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25



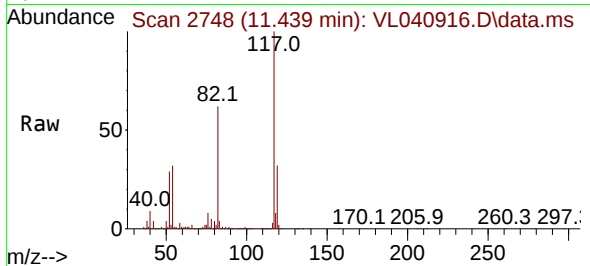
Tgt Ion:107 Resp: 144097
Ion Ratio Lower Upper
107 100
109 85.7 77.0 115.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 2748
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

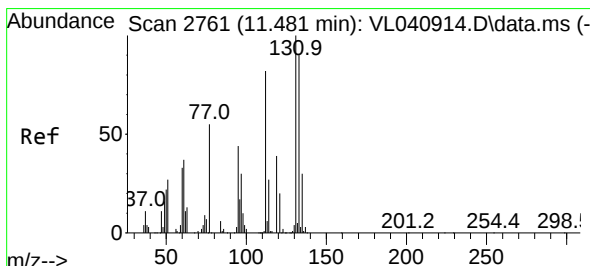
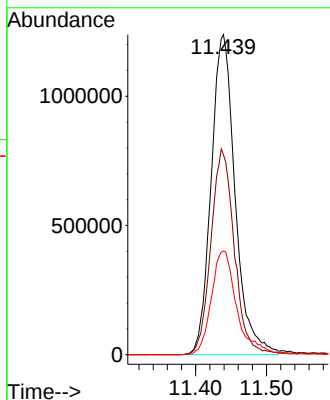
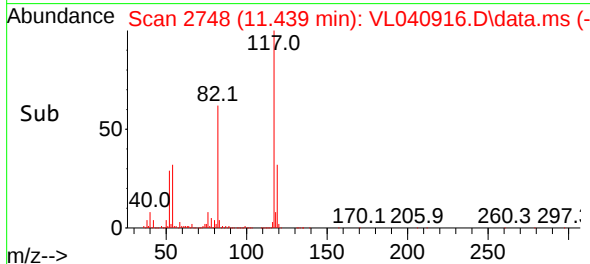
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



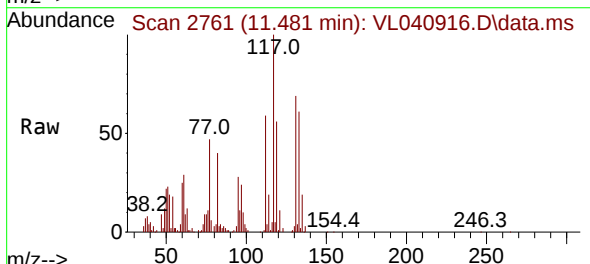
Tgt Ion:117 Resp: 2908234
Ion Ratio Lower Upper
117 100
82 63.9 49.6 74.4
119 34.7 23.4 35.0

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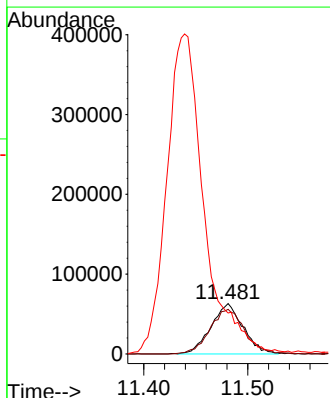
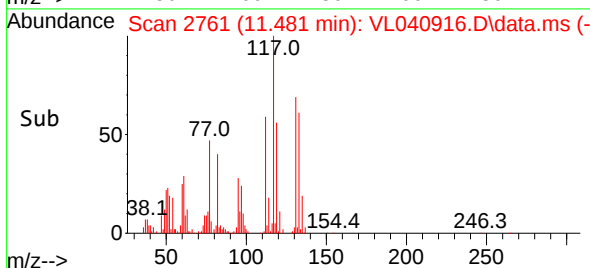
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

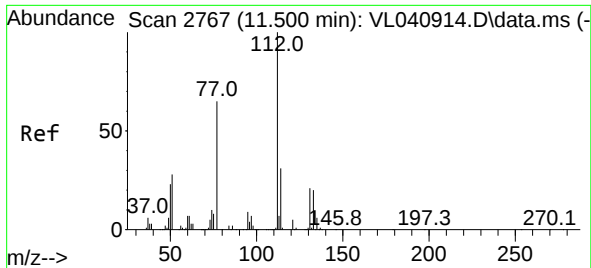


#56
1,1,1,2-Tetrachloroethane
Concen: 1.060 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25



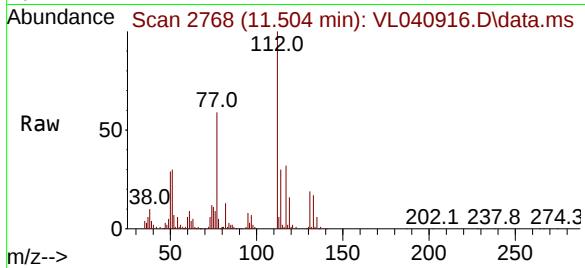
Tgt Ion:131 Resp: 134808
Ion Ratio Lower Upper
131 100
133 97.0 76.3 114.5
119 749.2 48.6 73.0#





#57
Chlorobenzene
Concen: 1.059 ppbv m
RT: 11.504 min Scan# 2768
Delta R.T. 0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

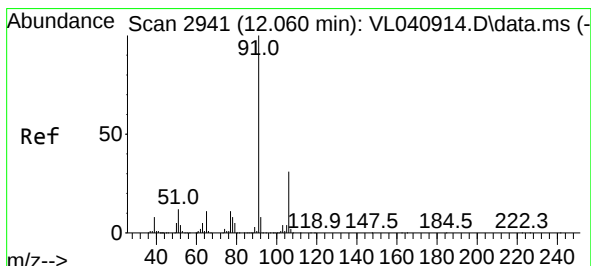
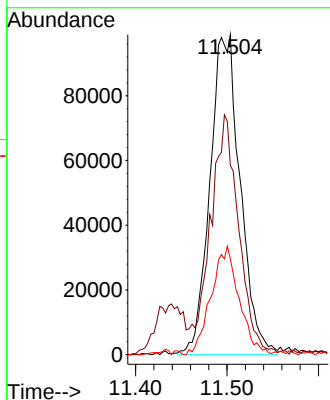
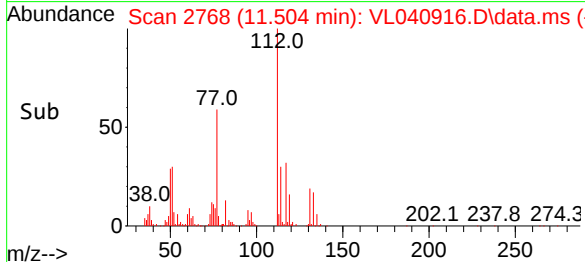
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion:112 Resp: 22723
Ion Ratio Lower Upper
112 100
77 59.2 52.7 79.1
114 29.9 28.4 34.7

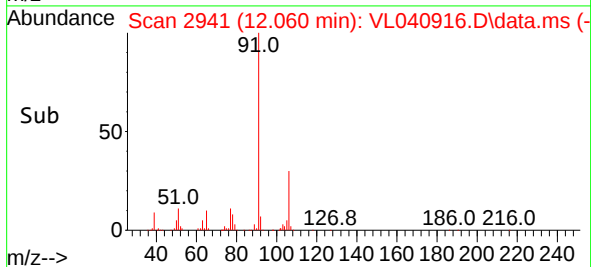
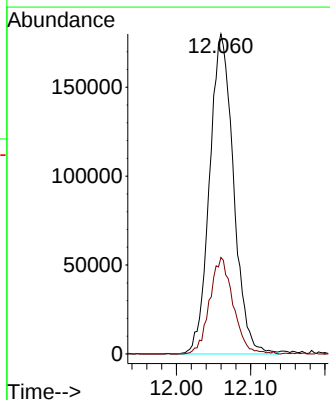
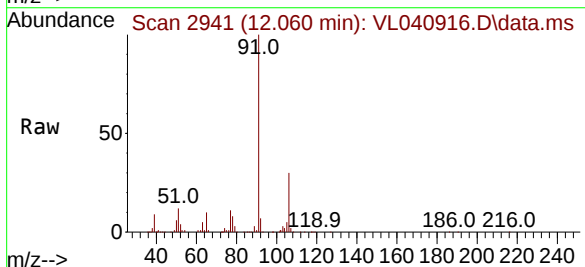
Manual Integrations
APPROVED

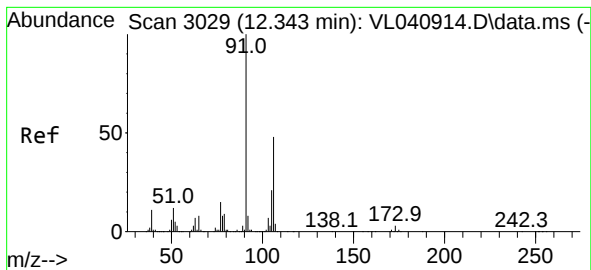
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#58
Ethyl Benzene
Concen: 1.081 ppbv
RT: 12.060 min Scan# 2941
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

Tgt Ion: 91 Resp: 403837
Ion Ratio Lower Upper
91 100
106 30.2 24.9 37.3





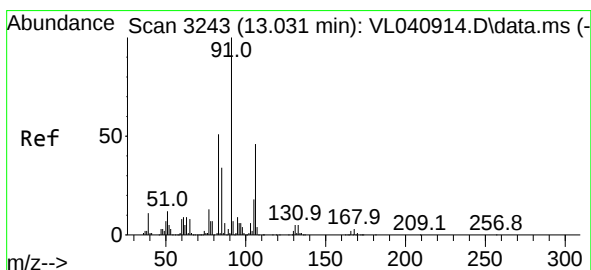
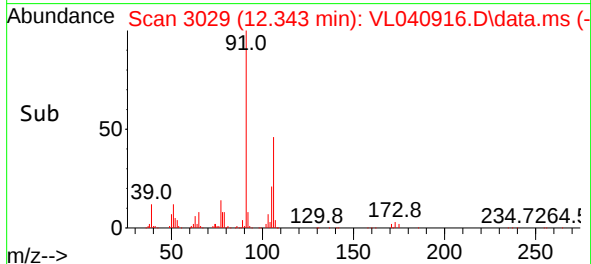
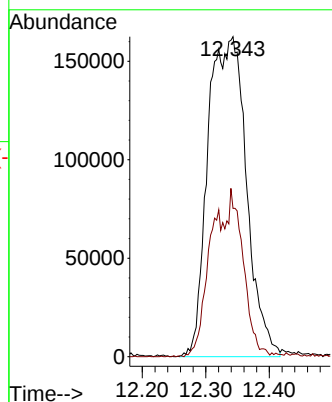
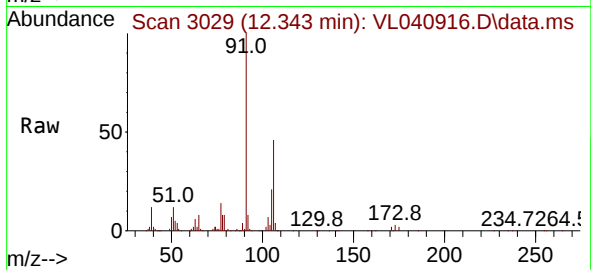
#59
m/p-Xylene
Concen: 2.144 ppbv m
RT: 12.343 min Scan# 3029
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 681310
Ion Ratio Lower Upper
91 100
106 43.7 0.0 0.0

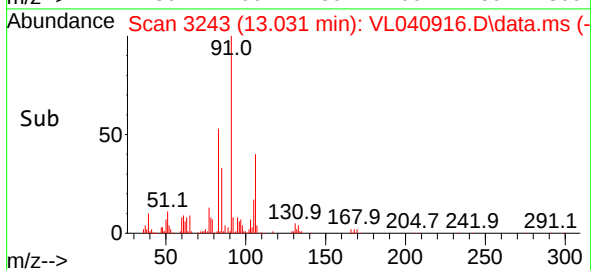
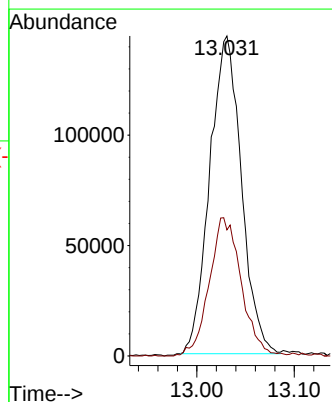
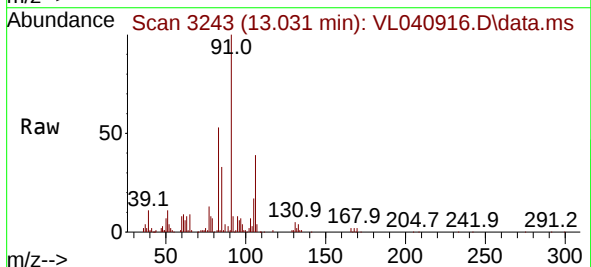
Manual Integrations
APPROVED

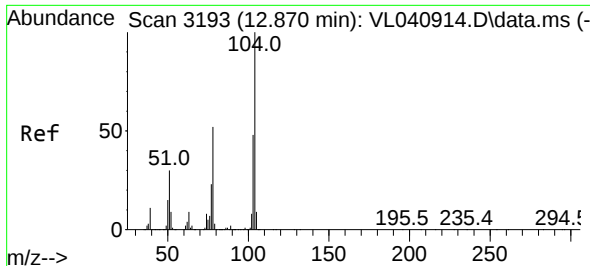
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#60
o-Xylene
Concen: 1.084 ppbv
RT: 13.031 min Scan# 3243
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

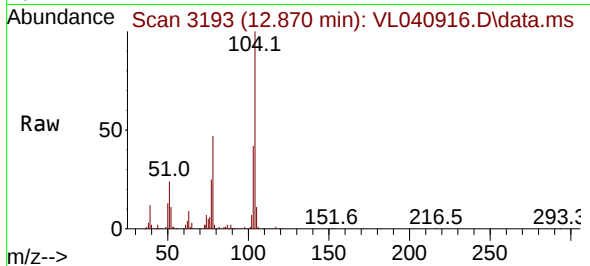
Tgt Ion: 91 Resp: 324412
Ion Ratio Lower Upper
91 100
106 44.5 22.6 67.7





#61
Styrene
Concen: 0.992 ppbv
RT: 12.870 min Scan# 3193
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

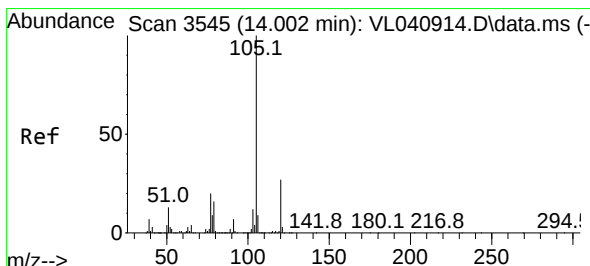
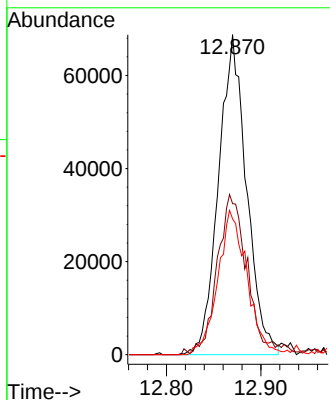
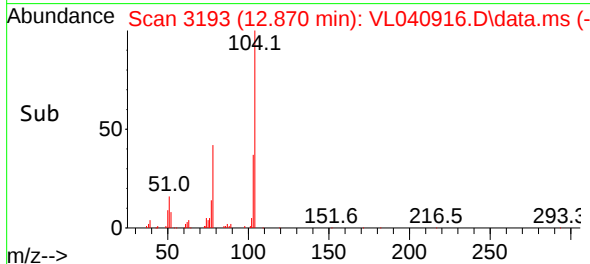
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



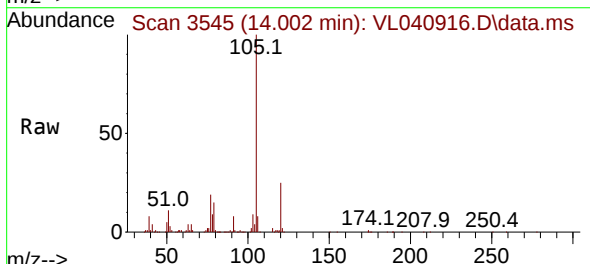
Tgt Ion:104 Resp: 14170
Ion Ratio Lower Upper
104 100
78 54.1 43.0 64.4
103 47.8 37.6 56.4

Manual Integrations
APPROVED

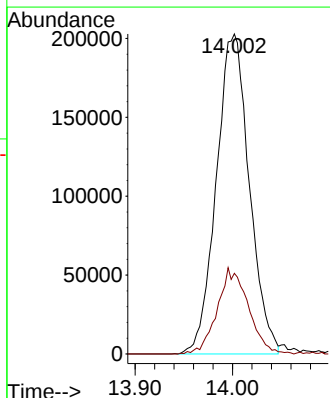
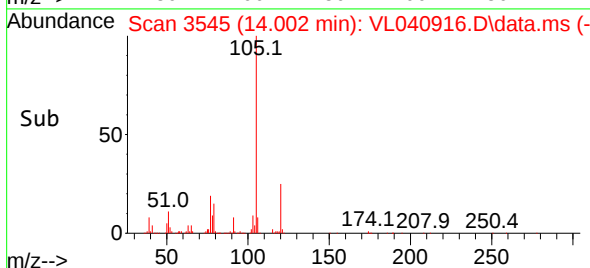
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

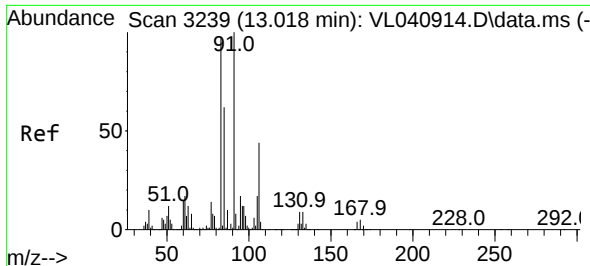


#62
Isopropylbenzene
Concen: 1.076 ppbv
RT: 14.002 min Scan# 3545
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25



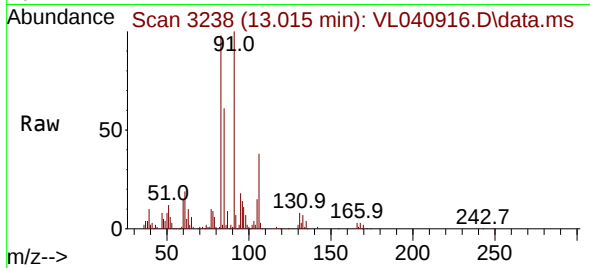
Tgt Ion:105 Resp: 477758
Ion Ratio Lower Upper
105 100
120 25.5 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 1.103 ppbv m
RT: 13.015 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

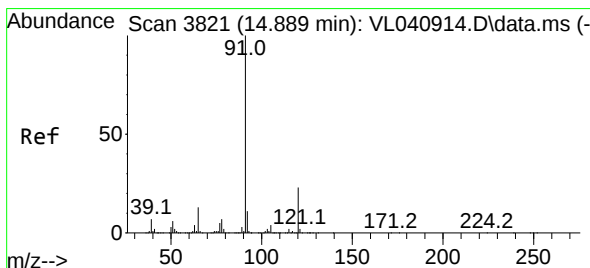
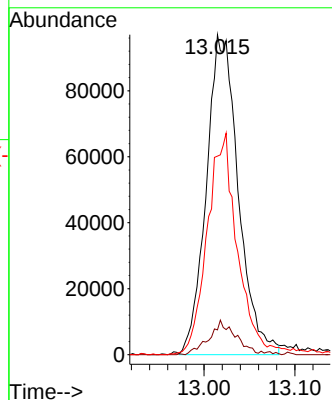
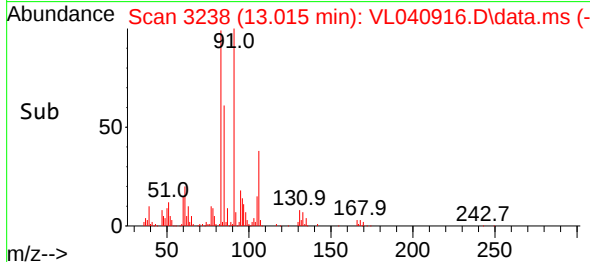
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



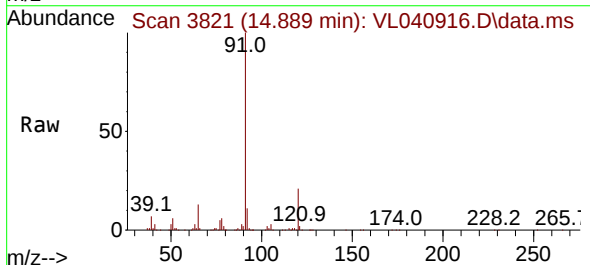
Tgt Ion: 83 Resp: 237144
Ion Ratio Lower Upper
83 100
131 9.4 4.7 14.0
85 0.0 32.6 98.0

Manual Integrations
APPROVED

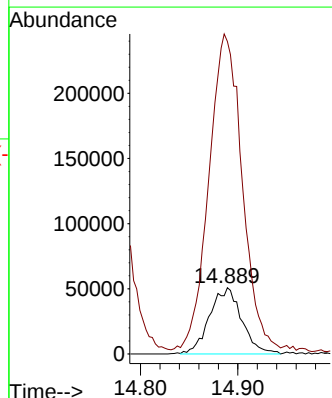
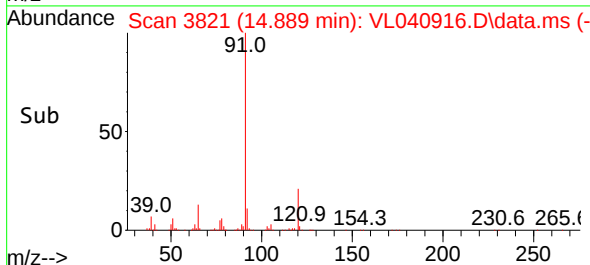
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

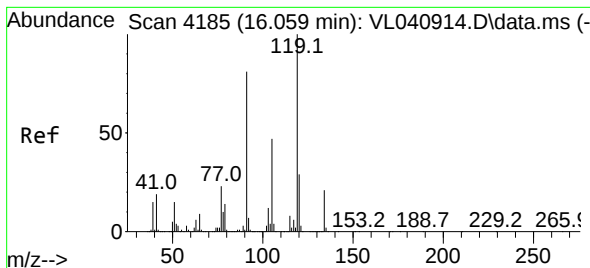


#64
n-propylbenzene
Concen: 1.041 ppbv m
RT: 14.889 min Scan# 3821
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25



Tgt Ion:120 Resp: 116613
Ion Ratio Lower Upper
120 100
91 517.9 381.9 572.9





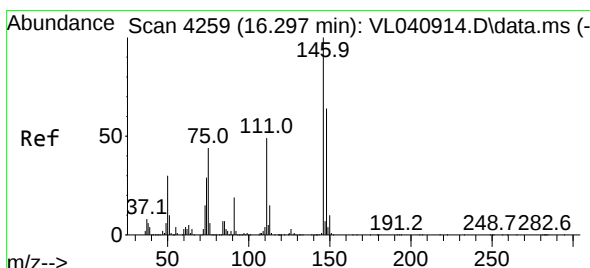
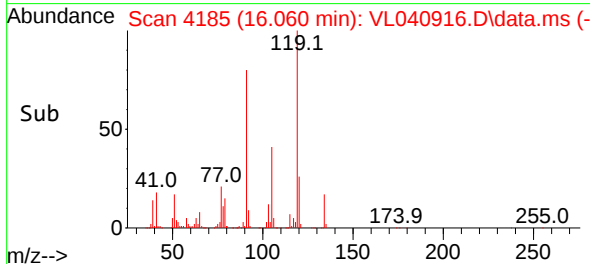
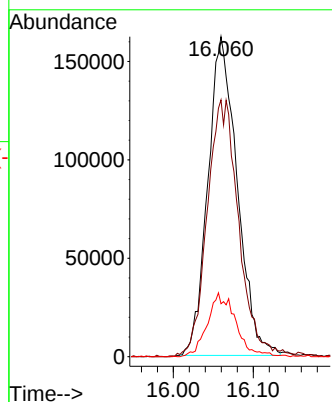
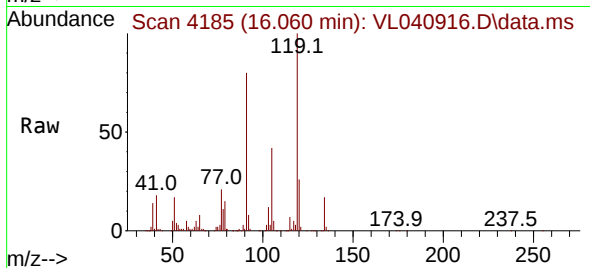
#65
tert-Butylbenzene
Concen: 1.077 ppbv
RT: 16.060 min Scan# 4185
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 119 Resp: 41308
Ion Ratio Lower Upper
119 100
91 87.1 67.2 100.8
134 19.5 15.8 23.6

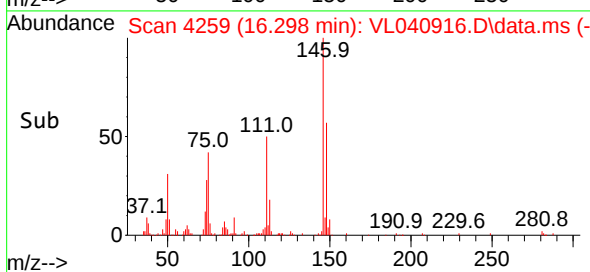
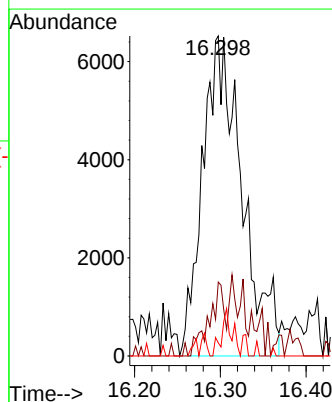
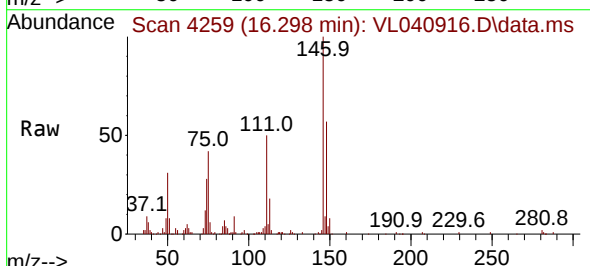
Manual Integrations
APPROVED

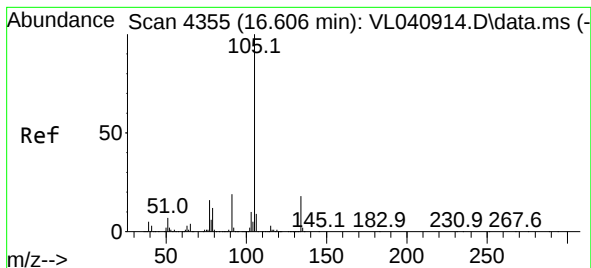
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#66
Benzyl Chloride
Concen: 0.799 ppbv m
RT: 16.298 min Scan# 4259
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

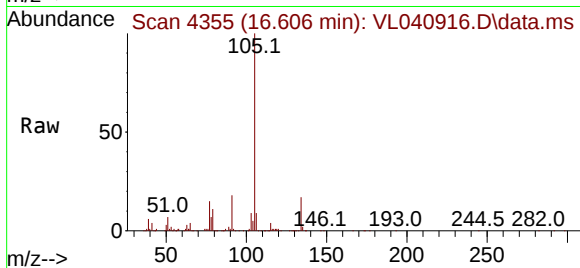
Tgt Ion: 91 Resp: 20757
Ion Ratio Lower Upper
91 100
126 0.0 14.1 21.1#
128 1.6 4.6 6.8#





#67
 sec-Butylbenzene
 Concen: 1.092 ppbv
 RT: 16.606 min Scan# 4355
 Delta R.T. 0.000 min
 Lab File: VL040916.D
 Acq: 20 Dec 2023 12:25

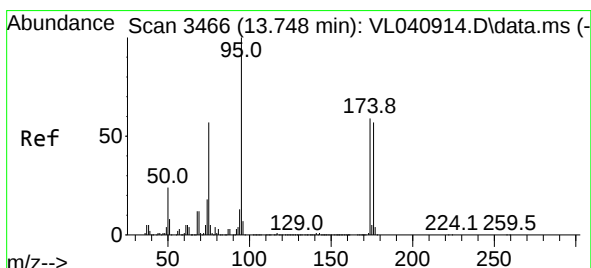
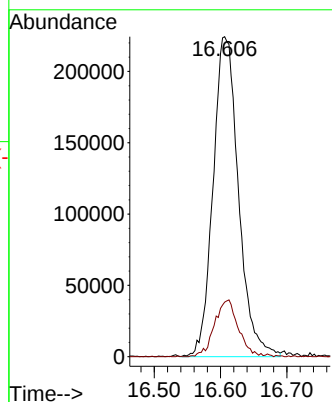
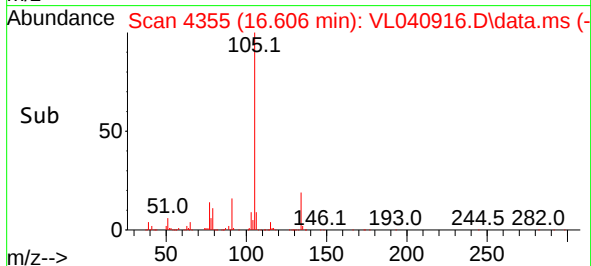
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



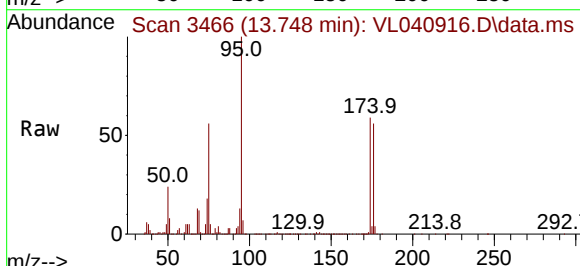
Tgt Ion: 105 Resp: 598744
 Ion Ratio Lower Upper
 105 100
 134 16.8 14.4 21.6

Manual Integrations
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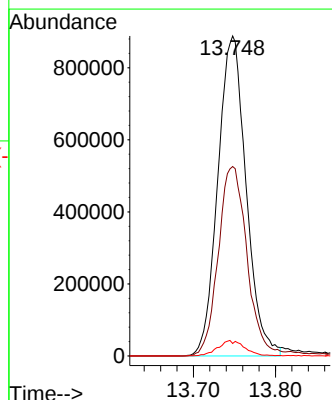
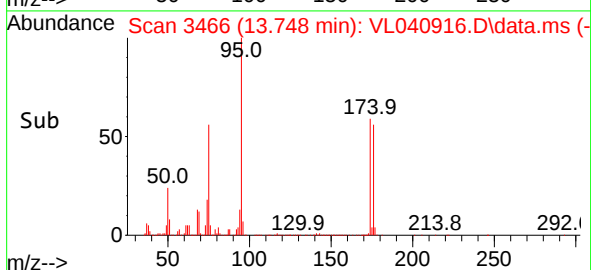
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023

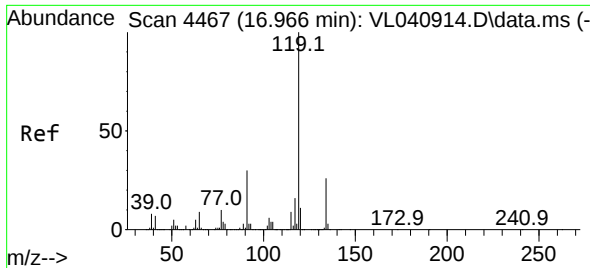


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.943 ppbv
 RT: 13.748 min Scan# 3466
 Delta R.T. 0.000 min
 Lab File: VL040916.D
 Acq: 20 Dec 2023 12:25



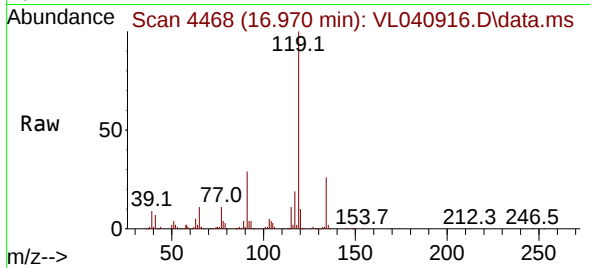
Tgt Ion: 95 Resp: 2129885
 Ion Ratio Lower Upper
 95 100
 174 62.0 48.0 72.0
 175 4.7 3.7 5.5





#69
p-Isopropyltoluene
Concen: 1.067 ppbv m
RT: 16.970 min Scan# 4468
Delta R.T. 0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

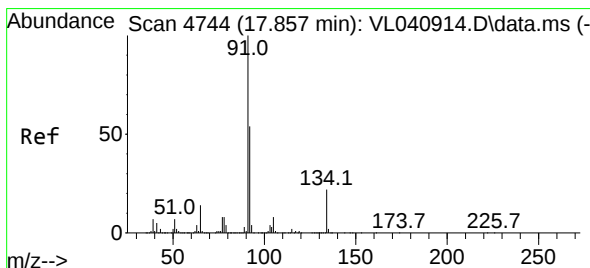
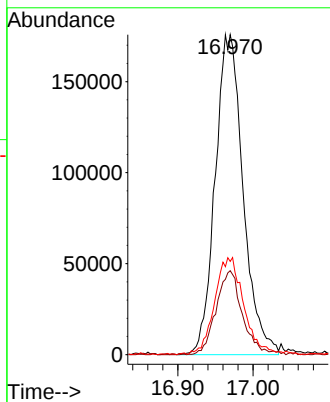
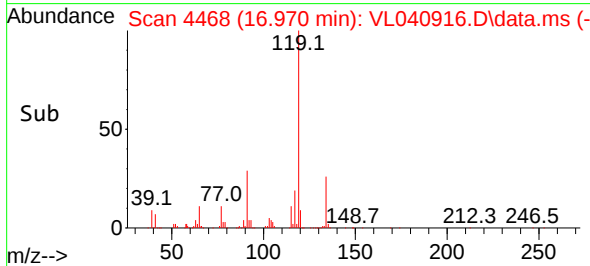
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:119 Resp: 454179
Ion Ratio Lower Upper
119 100
134 0.0 20.3 30.5
91 0.0 24.1 36.1

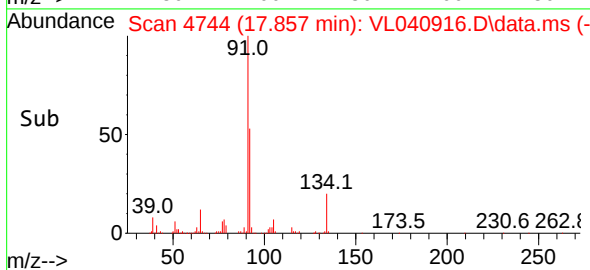
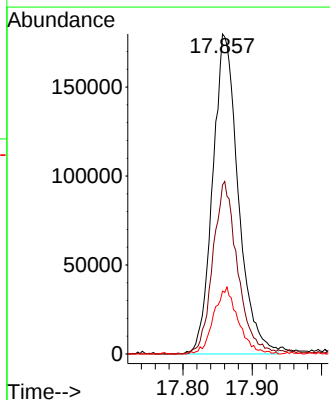
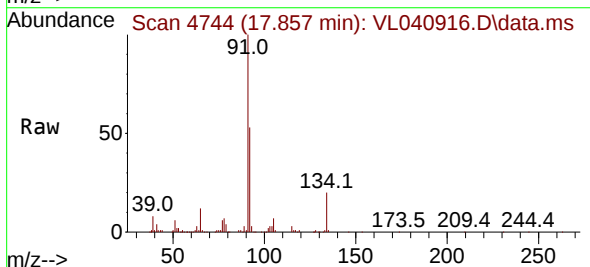
Manual Integrations
APPROVED

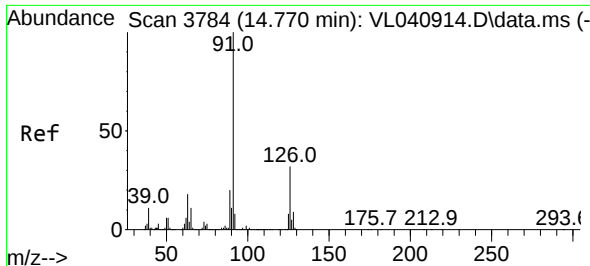
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#70
n-Butylbenzene
Concen: 1.042 ppbv
RT: 17.857 min Scan# 4744
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

Tgt Ion: 91 Resp: 460975
Ion Ratio Lower Upper
91 100
92 53.0 43.4 65.0
134 20.0 17.6 26.4





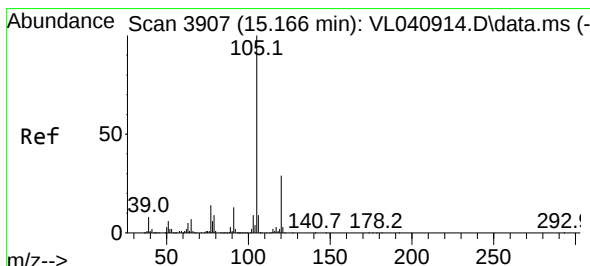
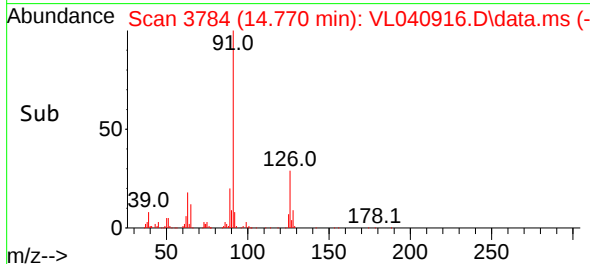
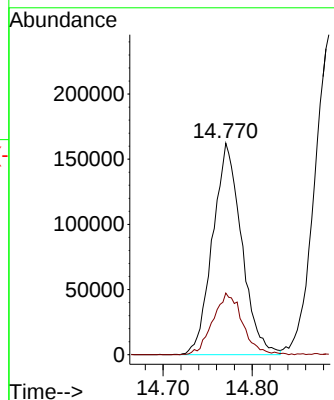
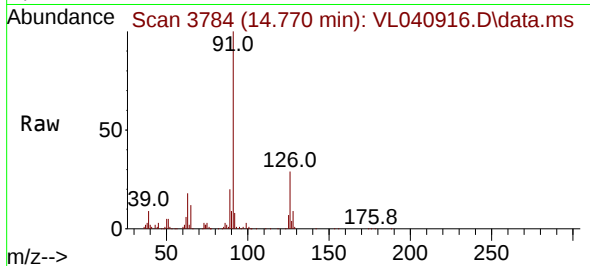
#71
2-Chlorotoluene
Concen: 1.072 ppbv
RT: 14.770 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 36641
Ion Ratio Lower Upper
91 100
126 29.8 12.4 49.6

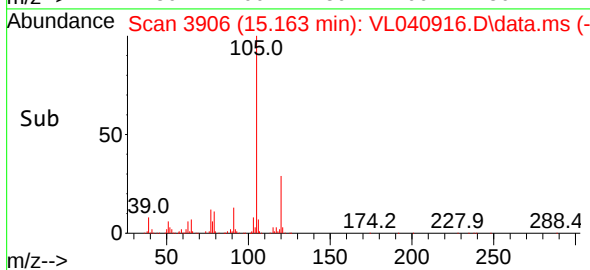
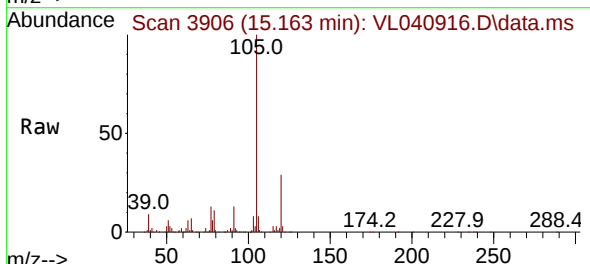
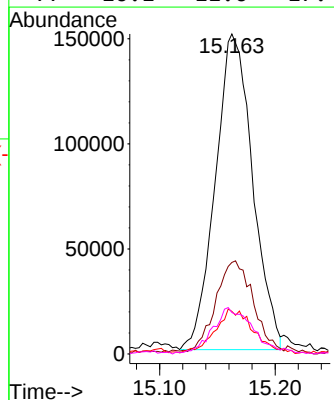
Manual Integrations
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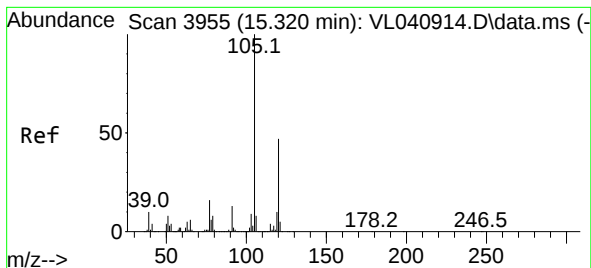
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#72
4-Ethyltoluene
Concen: 1.027 ppbv
RT: 15.163 min Scan# 3906
Delta R.T. -0.003 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

Tgt Ion:105 Resp: 337313
Ion Ratio Lower Upper
105 100
120 32.0 23.8 35.8
91 14.3 10.9 16.3
77 16.1 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 1.018 ppbv

RT: 15.323 min Scan# 3955

Delta R.T. 0.003 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 288738

Ion Ratio Lower Upper

105 100

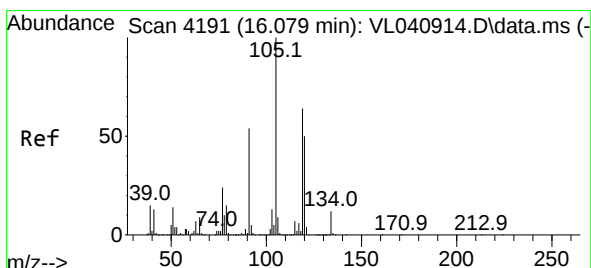
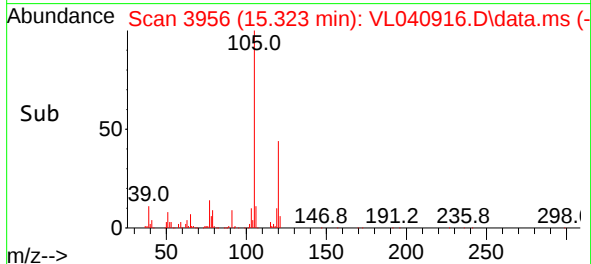
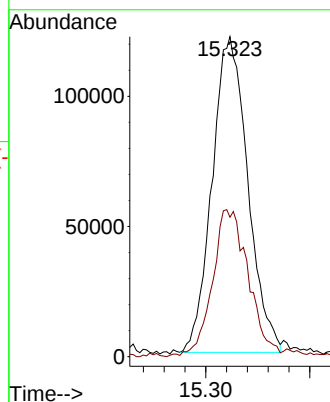
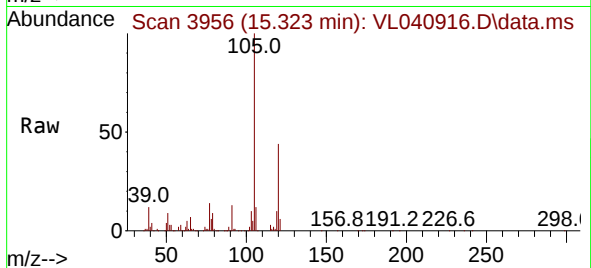
120 43.8 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#74

1,2,4-Trimethylbenzene

Concen: 1.030 ppbv

RT: 16.076 min Scan# 4190

Delta R.T. -0.003 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Tgt Ion:105 Resp: 325070

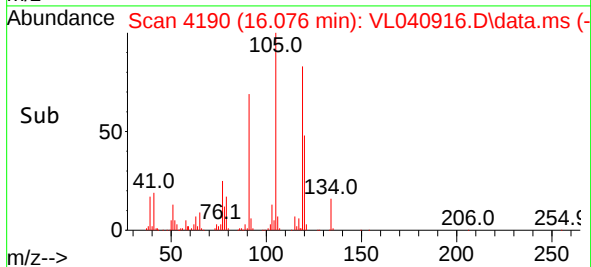
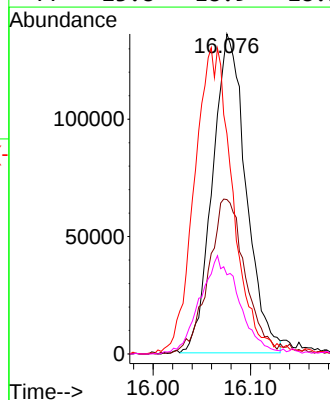
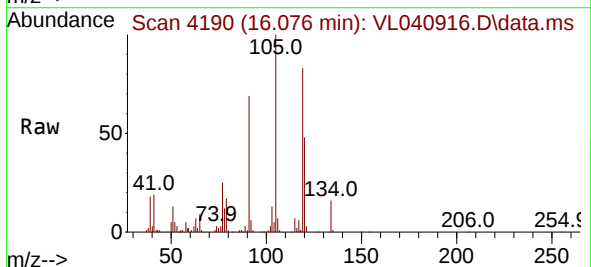
Ion Ratio Lower Upper

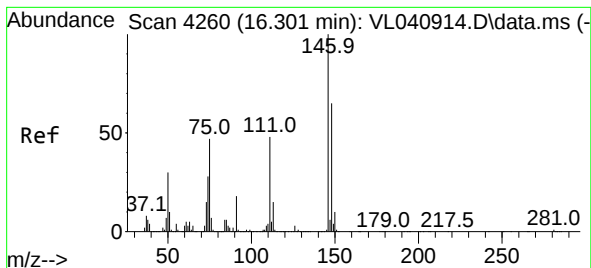
105 100

120 46.6 40.2 60.4

91 66.8 43.0 64.6#

77 23.8 18.9 28.3





#75

1,3-Dichlorobenzene

Concen: 1.007 ppbv

RT: 16.301 min Scan# 4260

Delta R.T. 0.000 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

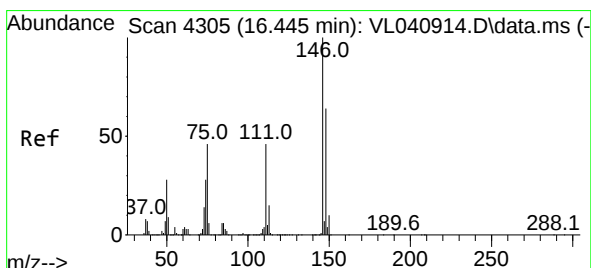
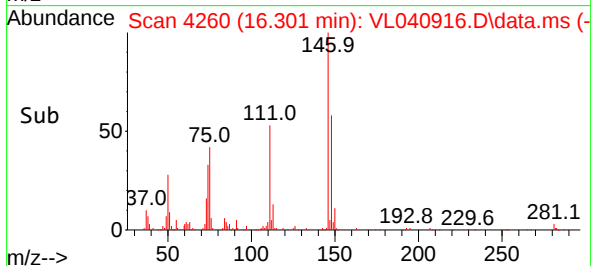
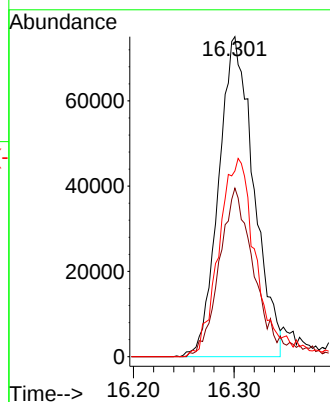
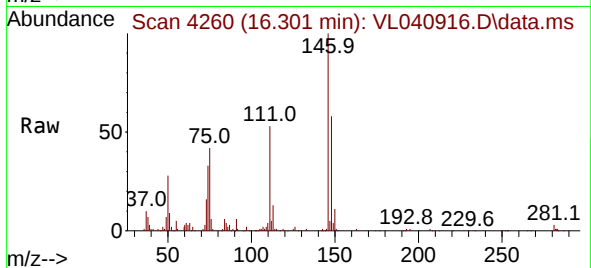
Tgt Ion:	146	Resp:	182110
Ion Ratio	Lower	Upper	
146	100		
111	54.0	24.7	74.1
148	66.8	32.1	96.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#76

1,4-Dichlorobenzene

Concen: 1.067 ppbv m

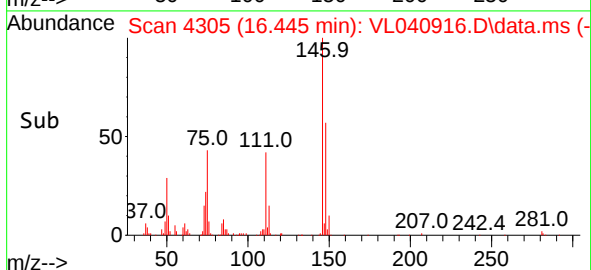
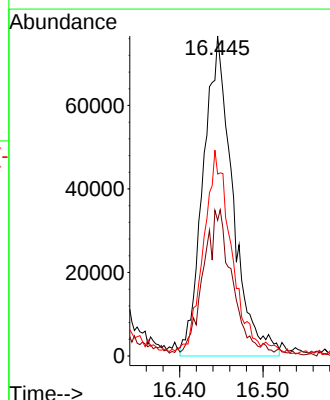
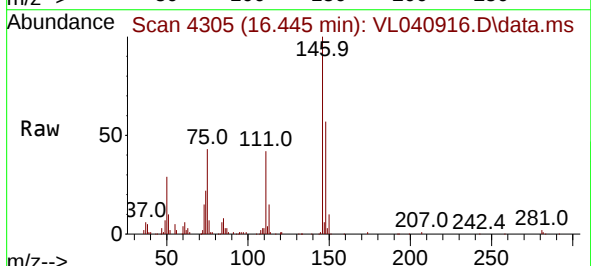
RT: 16.445 min Scan# 4305

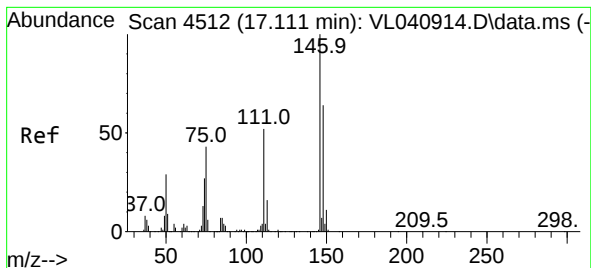
Delta R.T. 0.000 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Tgt Ion:	146	Resp:	188518
Ion Ratio	Lower	Upper	
146	100		
111	47.2	24.1	72.4
148	62.9	33.2	99.6





#77

1,2-Dichlorobenzene

Concen: 1.058 ppbv m

RT: 17.117 min Scan# 4512

Delta R.T. 0.007 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Instrument :

MSVOA_L

ClientSampleId :

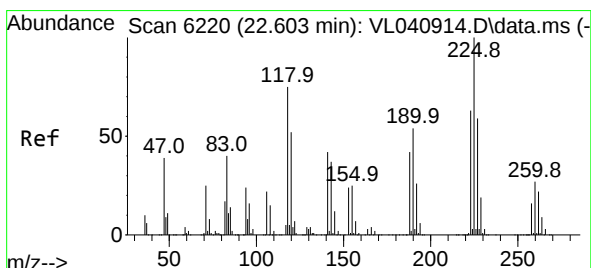
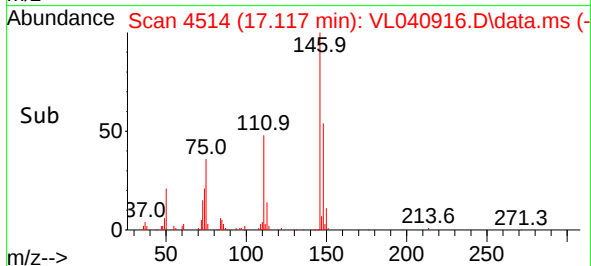
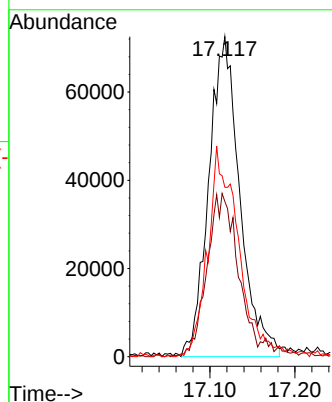
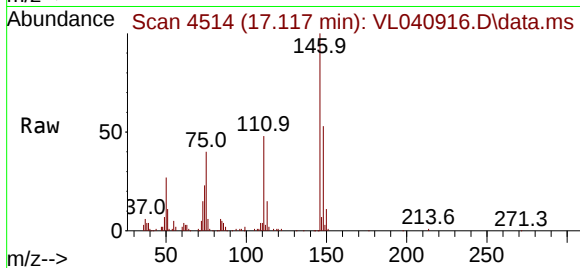
VSTDICC001

Tgt Ion:	146	Resp:	18459
Ion Ratio	Lower	Upper	
146	100		
111	54.1	25.5	76.5
148	66.0	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#78

Hexachloro-1,3-Butadiene

Concen: 1.147 ppbv

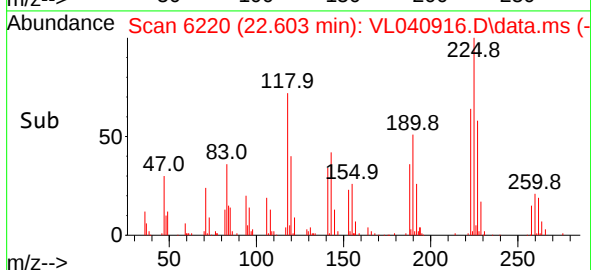
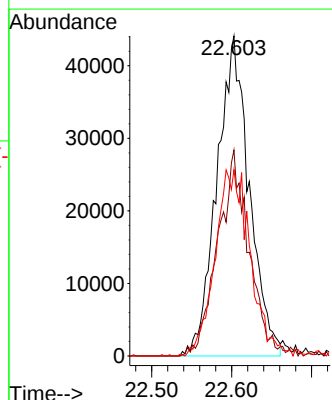
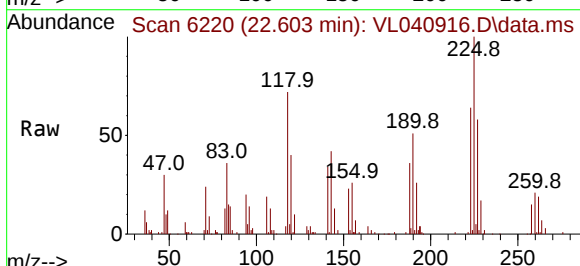
RT: 22.603 min Scan# 6220

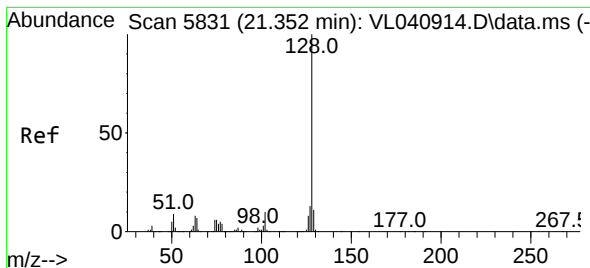
Delta R.T. 0.000 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

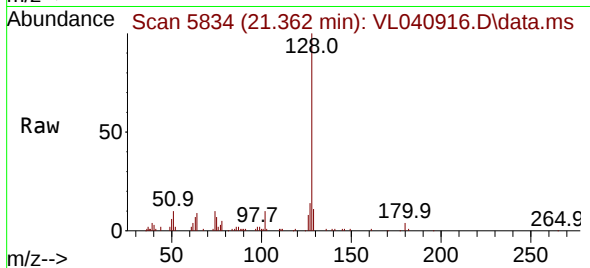
Tgt Ion:	225	Resp:	124187
Ion Ratio	Lower	Upper	
225	100		
223	62.5	51.5	77.3
227	63.7	51.7	77.5





#79
Naphthalene
Concen: 0.998 ppbv m
RT: 21.362 min Scan# 5831
Delta R.T. 0.010 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25

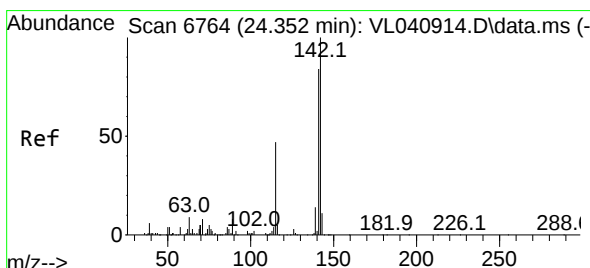
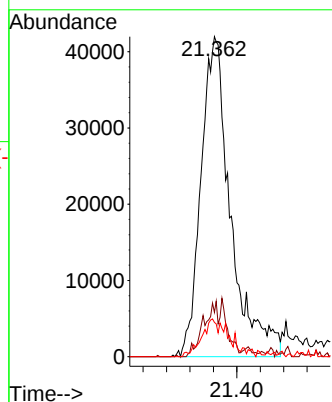
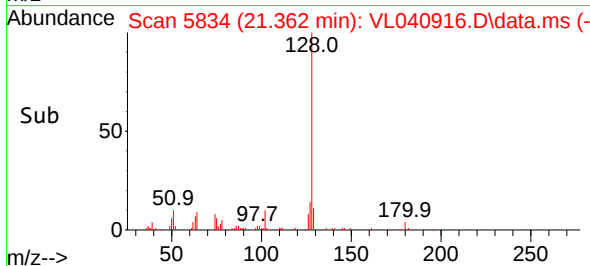
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



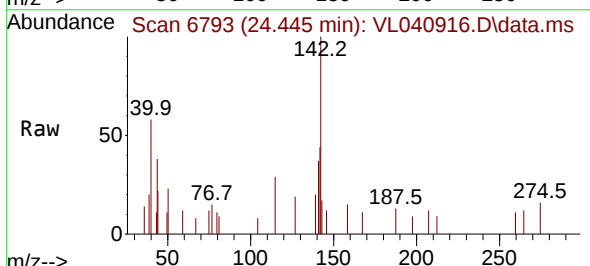
Tgt Ion:128 Resp: 14724
Ion Ratio Lower Upper
128 100
127 13.8 10.6 15.8
129 10.7 8.7 13.1

Manual Integrations
APPROVED

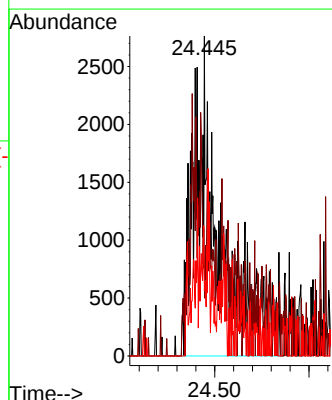
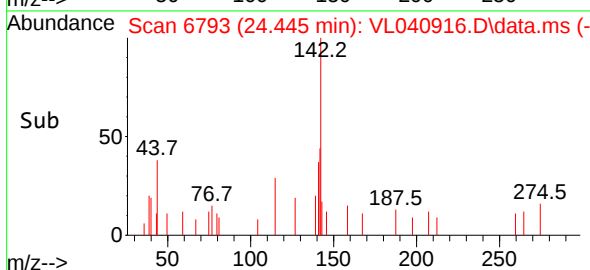
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

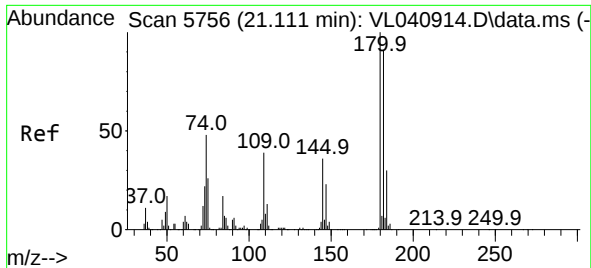


#80
Naphthalene,2-methyl-
Concen: 0.963 ppbv m
RT: 24.445 min Scan# 6793
Delta R.T. 0.093 min
Lab File: VL040916.D
Acq: 20 Dec 2023 12:25



Tgt Ion:142 Resp: 24844
Ion Ratio Lower Upper
142 100
141 2.5 68.5 102.7#
115 1.1 34.5 51.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.907 ppbv m

RT: 21.117 min Scan# 51

Delta R.T. 0.007 min

Lab File: VL040916.D

Acq: 20 Dec 2023 12:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:180 Resp: 80230

Ion Ratio Lower Upper

180 100

182 103.1 79.4 119.0

184 0.0 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023

