

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072022\
 Data File : VL039512.D
 Acq On : 20 Jul 2022 15:57
 Operator : SY/AP
 Sample : VL0720ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0720ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/21/2022
 Supervised By :Mahesh Dadoda 07/21/2022

Quant Time: Jul 21 06:07:02 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.687	49	982112	10.000	ppbv	0.04
33) 1,4-Difluorobenzene	7.195	114	2766770	10.000	ppbv	0.04
55) Chlorobenzene-d5	12.105	117	3348435	10.000	ppbv	# 0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.433 95 2094901 8.433 ppbv 0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 84.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.063	85	954299	6.736	ppbv	96
3) Chlorodifluoromethane	3.002	51	1294774	10.391	ppbv	100
4) Chloromethane	3.153	50	716214	10.510	ppbv	98
5) Vinyl Chloride	3.276	62	672723	10.011	ppbv	99
6) Bromomethane	3.488	94	307852	10.885	ppbv	99
7) Chloroethane	3.575	64	249256	10.428	ppbv	97
8) Dichlorotetrafluoroethane	3.202	85	1471922	9.512	ppbv	97
9) Propene	3.022	41	563562	10.015	ppbv	96
10) Heptane	8.140	43	1458269	11.065	ppbv	98
11) Trichlorofluoromethane	3.967	101	1705988	10.807	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.501	101	1213821	10.315	ppbv	99
13) Ethanol	3.616	45	27178m	8.325	ppbv	
14) Bromoethene	3.755	108	530677	10.727	ppbv	99
15) Acetone	3.864	43	1244688	10.712	ppbv	100
16) 1,3-Butadiene	3.343	39	636908	10.565	ppbv	97
17) tert-Butyl alcohol	4.298	59	1203423	12.203	ppbv	100
18) 1,1-Dichloroethene	4.308	96	553362	10.379	ppbv	97
19) Isopropyl Alcohol	3.977	45	672156	10.845	ppbv #	97
20) Methylene Chloride	4.359	84	475452	10.266	ppbv	94
21) Allyl Chloride	4.430	41	888136	11.036	ppbv	97
22) trans-1,2-Dichloroethene	4.903	96	559099	10.834	ppbv	97
23) Vinyl Acetate	5.089	43	968508	12.473	ppbv	98
24) 1,1-Dichloroethane	5.028	63	1261244	11.501	ppbv	98
25) Ethyl Acetate	5.694	43	2672380	11.217	ppbv	99
26) Hexane	5.706	57	1142209	11.894	ppbv	99
27) Carbon Disulfide	4.568	76	1351949	11.663	ppbv	98
28) Methyl tert-Butyl Ether	5.050	73	1198401	11.671	ppbv	97
29) Chloroform	5.771	83	1794068	10.743	ppbv	99
30) Cyclohexane	7.150	84	975433	11.157	ppbv	98
31) cis-1,2-Dichloroethene	5.565	61	1111633	10.909	ppbv	99
32) 1,1,1-Trichloroethane	6.530	97	1836094	11.140	ppbv	100
34) 2-Butanone	5.259	43	1556952	11.179	ppbv	99
35) Carbon Tetrachloride	7.038	117	1993703	11.662	ppbv	98
36) Benzene	6.909	78	2349828	10.974	ppbv	96
37) 1,2-Dichloroethane	6.324	62	1398218	11.063	ppbv	100
38) Trichloroethene	7.854	130	1285483	11.099	ppbv	96
39) 1,2-Dichloropropane	7.636	63	848447	10.606	ppbv	99
40) 1,4-Dioxane	7.854	88	246463	7.731	ppbv #	1
41) Tetrahydrofuran	6.067	42	905780	11.223	ppbv	99
42) Bromodichloromethane	7.809	83	1947173	11.426	ppbv	99
43) Methyl Methacrylate	8.031	69	946146	11.620	ppbv	99
44) 2,2,4-Trimethylpentane	7.886	57	3889923	10.720	ppbv	99
45) t-1,3-Dichloropropene	9.301	75	970585	13.388	ppbv	100

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

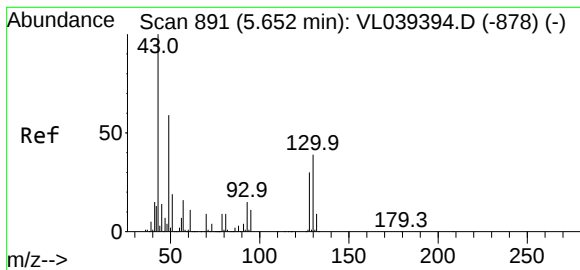
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 20 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

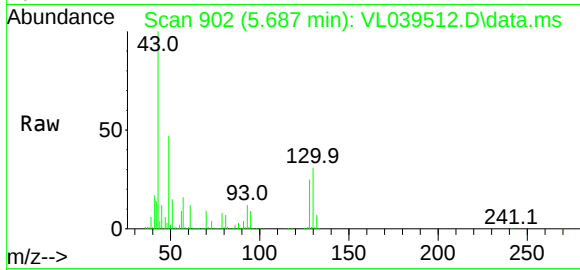
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.726	75	1250877	12.536	ppbv	99
47) 1,1,2-Trichloroethane	9.497	97	989544	11.024	ppbv	100
48) Dibromochloromethane	10.327	129	1760349	12.339	ppbv	100
49) Bromoform	13.060	173	1449936	12.598	ppbv	100
50) 4-Methyl-2-Pentanone	8.758	43	2432888	11.553	ppbv	99
51) 2-Hexanone	10.150	43	1908143	11.979	ppbv	100
52) Tetrachloroethene	11.243	164	935592	10.853	ppbv	99
53) Toluene	9.828	91	2818882	11.413	ppbv	99
54) 1,2-Dibromoethane	10.632	107	1272634	11.395	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.150	131	1284510m	8.684	ppbv	
57) Chlorobenzene	12.166	112	2200412	8.476	ppbv	96
58) Ethyl Benzene	12.732	91	3806259	8.803	ppbv	98
59) m/p-Xylene	13.018	91	6588225m	17.284	ppbv	
60) o-Xylene	13.713	91	3162149	8.761	ppbv	99
61) Styrene	13.545	104	1857540	9.500	ppbv	99
62) Isopropylbenzene	14.687	105	4714514	8.577	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.696	83	1463906	7.738	ppbv	97
64) n-propylbenzene	15.577	120	1254014	9.001	ppbv	98
65) tert-Butylbenzene	16.761	119	4343227	8.551	ppbv	100
66) Benzyl Chloride	17.008	91	433721	8.986	ppbv	99
67) sec-Butylbenzene	17.314	105	5886506	8.604	ppbv	100
69) p-Isopropyltoluene	17.671	119	5094738	8.776	ppbv	99
70) n-Butylbenzene	18.564	91	4954551	8.794	ppbv	99
71) 2-Chlorotoluene	15.471	91	3424673	8.705	ppbv	100
72) 4-Ethyltoluene	15.857	105	3852624	9.078	ppbv	99
73) 1,3,5-Trimethylbenzene	16.015	105	3580888	9.187	ppbv	97
74) 1,2,4-Trimethylbenzene	16.780	105	3761891	8.725	ppbv	97
75) 1,3-Dichlorobenzene	17.018	146	2248562	8.742	ppbv	100
76) 1,4-Dichlorobenzene	17.156	146	2197212	8.619	ppbv	98
77) 1,2-Dichlorobenzene	17.835	146	2155585	8.455	ppbv	100
78) Hexachloro-1,3-Butadiene	23.387	225	1552903m	7.574	ppbv	
79) Naphthalene	22.214	128	2996358	10.098	ppbv	99
80) Naphthalene,2-methyl-	24.982	142	1117721	11.067	ppbv	99
81) 1,2,4-Trichlorobenzene	21.944	180	1732951	8.966	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.687 min Scan# 90
Delta R.T. 0.035 min
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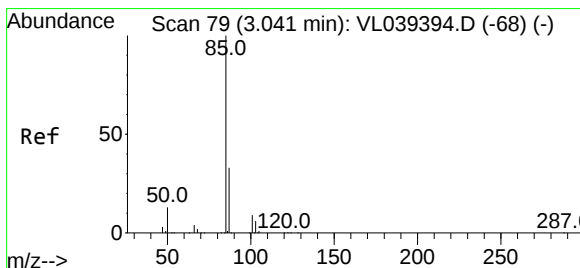
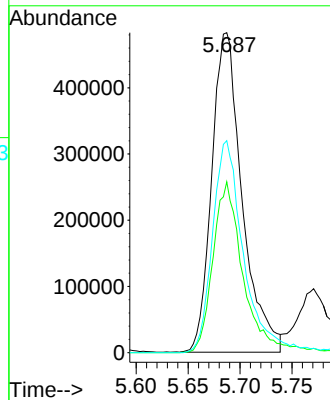
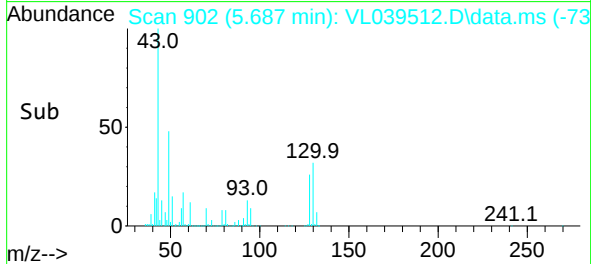
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



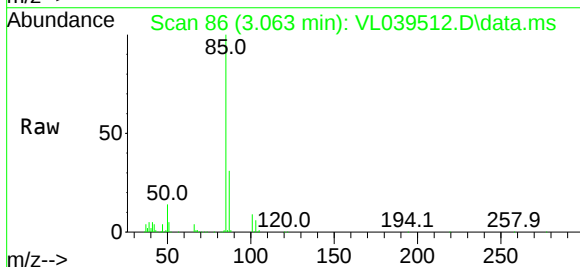
Tgt Ion: 49 Resp: 98211
Ion Ratio Lower Upper
49 100
128 54.3 26.7 80.0
130 69.5 34.3 102.8

Manual Integrations
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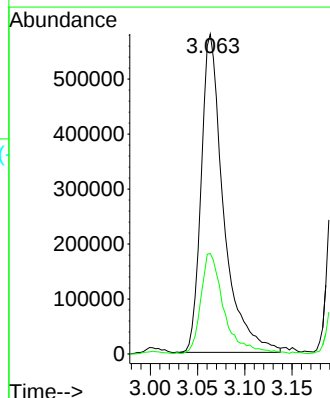
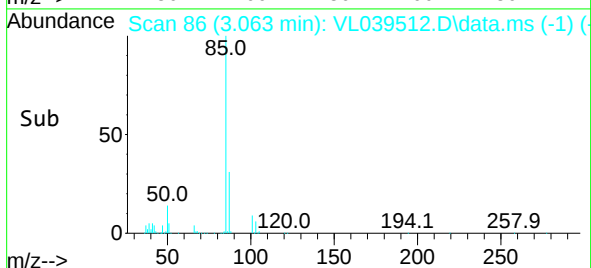
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

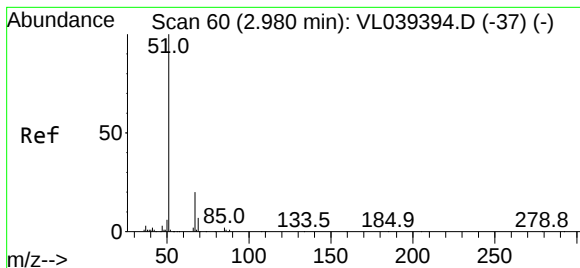


#2
Dichlorodifluoromethane
Concen: 6.736 ppbv
RT: 3.063 min Scan# 86
Delta R.T. 0.023 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57



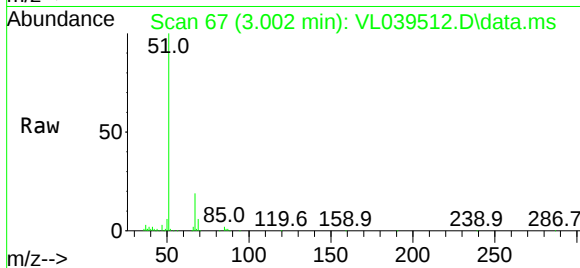
Tgt Ion: 85 Resp: 954299
Ion Ratio Lower Upper
85 100
87 31.4 26.7 40.1





#3
Chlorodifluoromethane
Concen: 10.391 ppbv
RT: 3.002 min Scan# 61
Delta R.T. 0.023 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

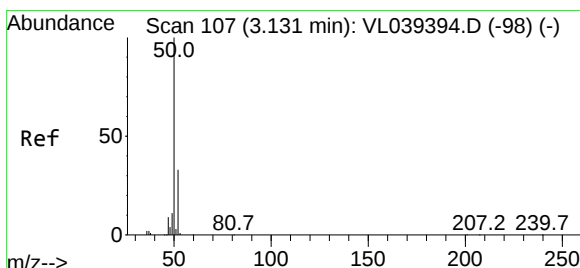
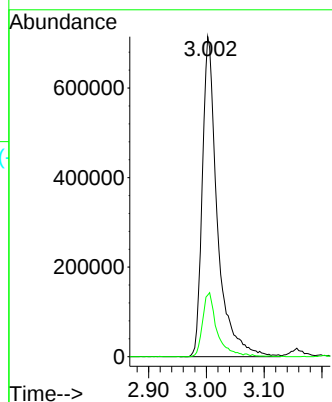
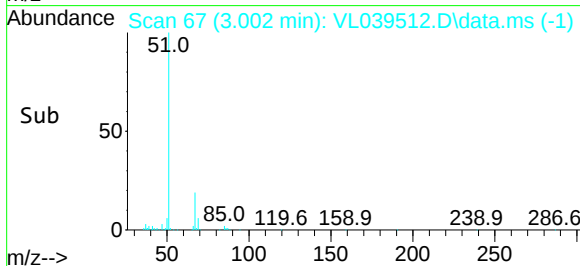
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



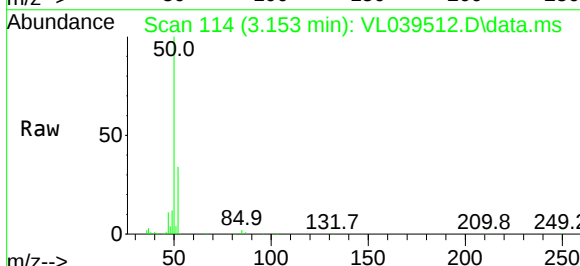
Tgt Ion: 51 Resp: 1294774
Ion Ratio Lower Upper
51 100
67 19.6 15.7 23.5

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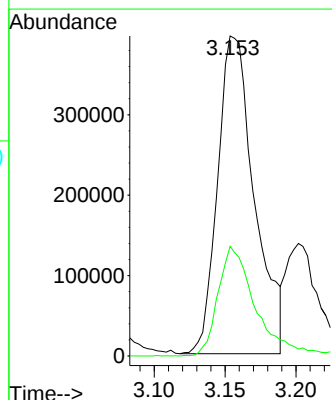
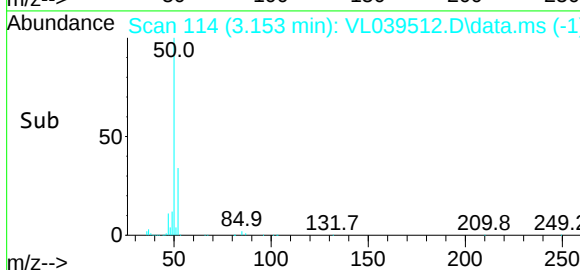
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

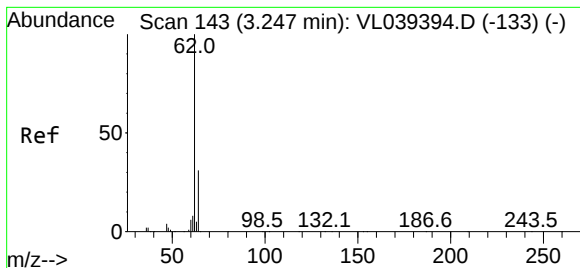


#4
Chloromethane
Concen: 10.510 ppbv
RT: 3.153 min Scan# 114
Delta R.T. 0.023 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57



Tgt Ion: 50 Resp: 716214
Ion Ratio Lower Upper
50 100
52 34.5 26.5 39.7





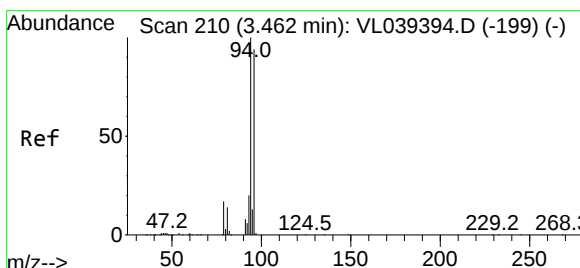
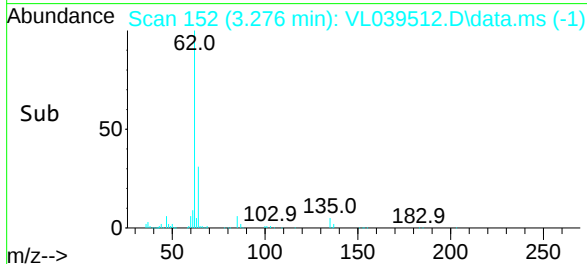
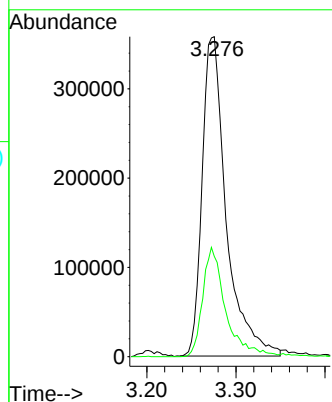
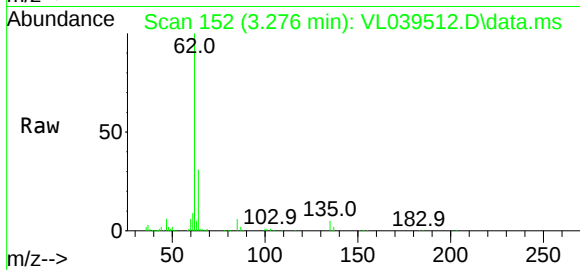
#5
 Vinyl Chloride
 Concen: 10.011 ppbv
 RT: 3.276 min Scan# 11
 Delta R.T. 0.029 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0720ABS01

Tgt Ion: 62 Resp: 67272
 Ion Ratio Lower Upper
 62 100
 64 31.4 24.6 36.8

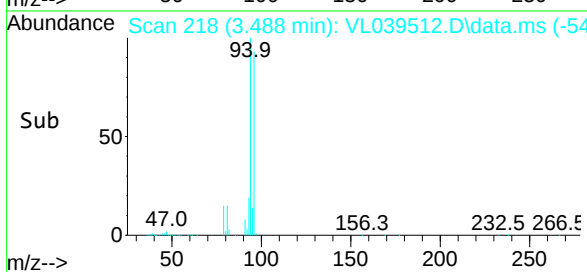
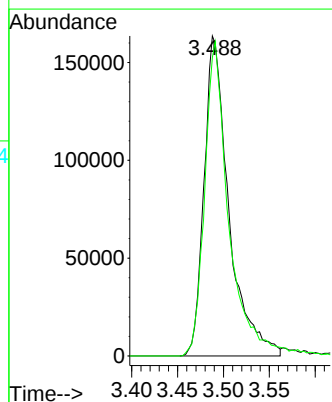
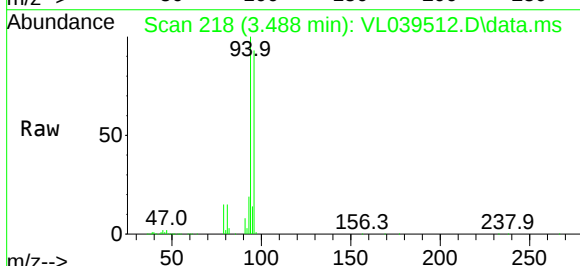
Manual Integrations
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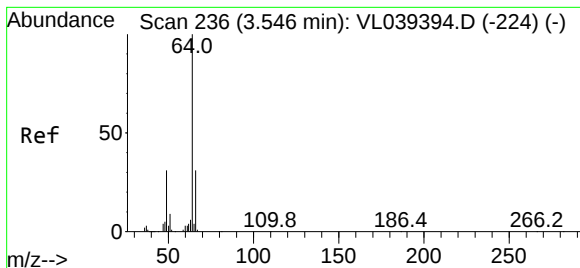
Reviewed By :Semsettin Yesilyurt 07/21/2022
 Supervised By :Mahesh Dadoda 07/21/2022



#6
 Bromomethane
 Concen: 10.885 ppbv
 RT: 3.488 min Scan# 218
 Delta R.T. 0.026 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

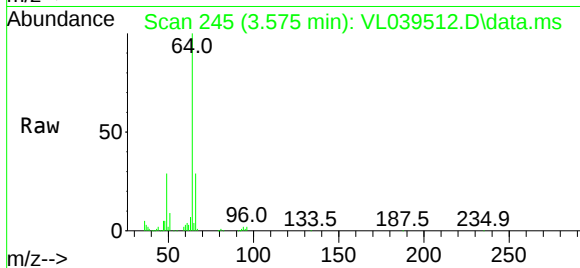
Tgt Ion: 94 Resp: 307852
 Ion Ratio Lower Upper
 94 100
 96 93.3 75.6 113.4





#7
Chloroethane
Concen: 10.428 ppbv
RT: 3.575 min Scan# 245
Delta R.T. 0.029 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

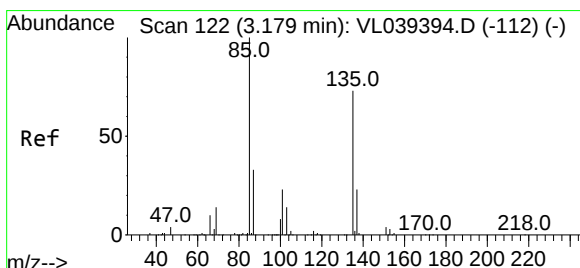
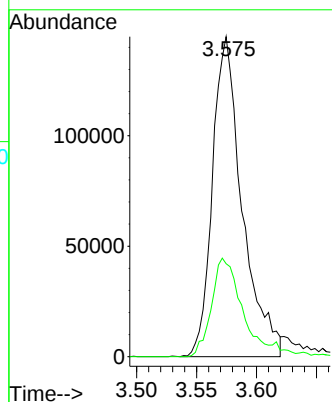
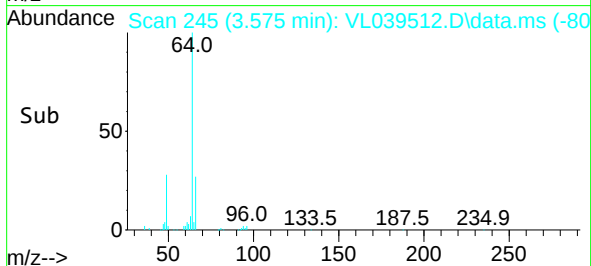
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



Tgt Ion: 64 Resp: 249250
Ion Ratio Lower Upper
64 100
66 29.0 24.7 37.1

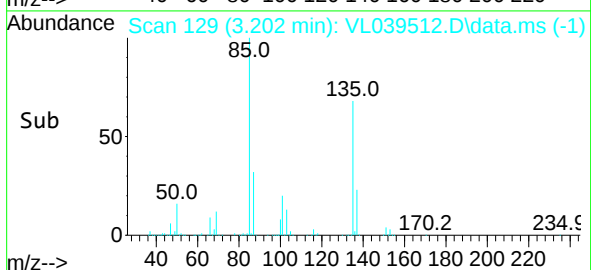
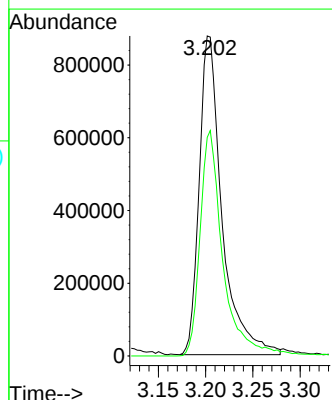
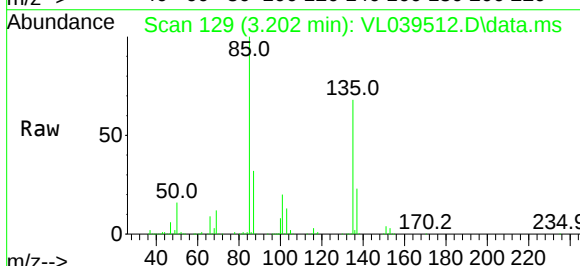
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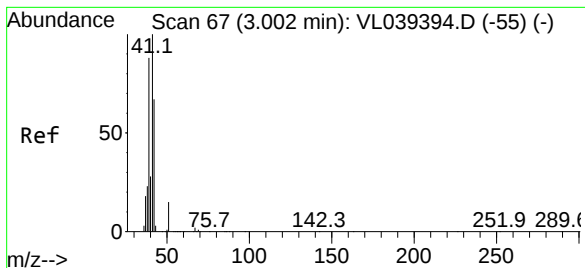
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022



#8
Dichlorotetrafluoroethane
Concen: 9.512 ppbv
RT: 3.202 min Scan# 129
Delta R.T. 0.023 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

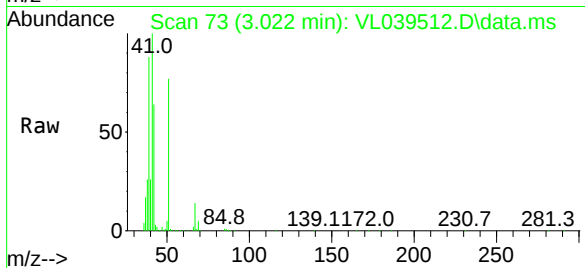
Tgt Ion: 85 Resp: 1471922
Ion Ratio Lower Upper
85 100
135 71.5 59.0 88.4





#9
 Propene
 Concen: 10.015 ppbv
 RT: 3.022 min Scan# 71
 Delta R.T. 0.019 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

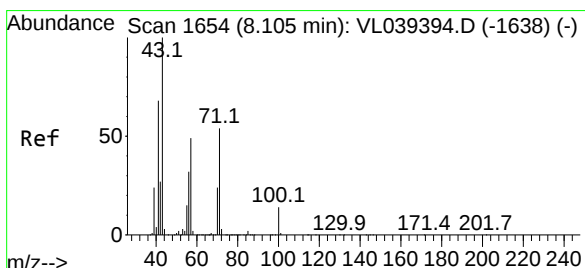
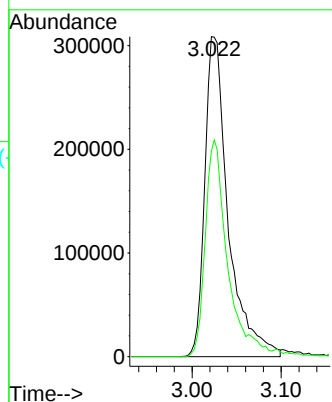
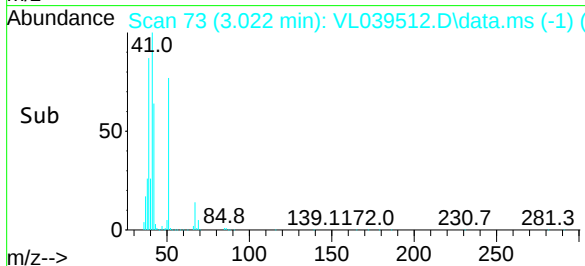
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0720ABS01



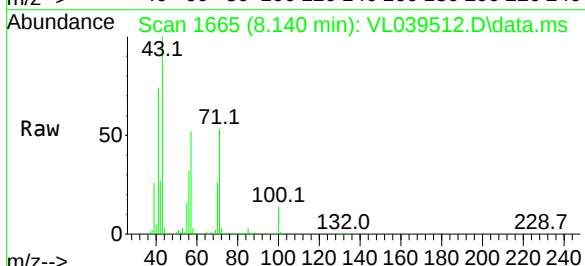
Tgt Ion: 41 Resp: 563562
 Ion Ratio Lower Upper
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 42 65.9 55.2 82.8

Manual Integrations
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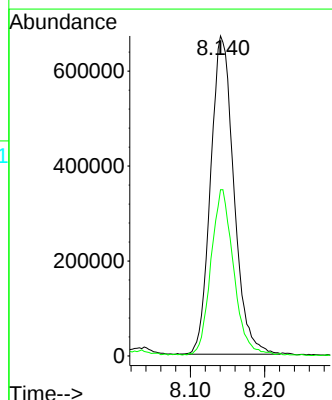
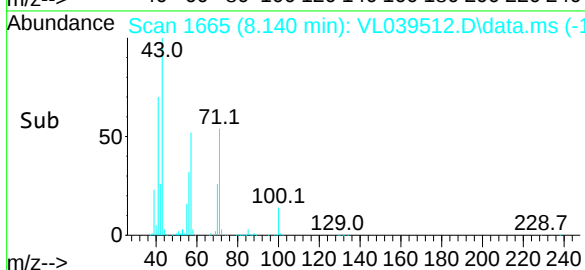
Reviewed By :Semsettin Yesilyurt 07/21/2022
 Supervised By :Mahesh Dadoda 07/21/2022

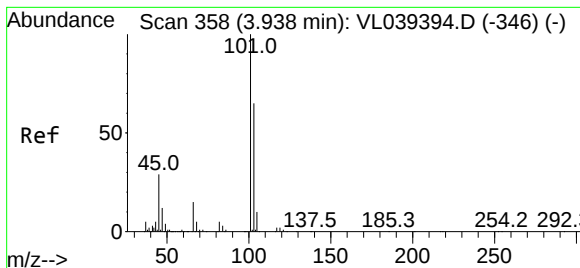


#10
 Heptane
 Concen: 11.065 ppbv
 RT: 8.140 min Scan# 1665
 Delta R.T. 0.035 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57



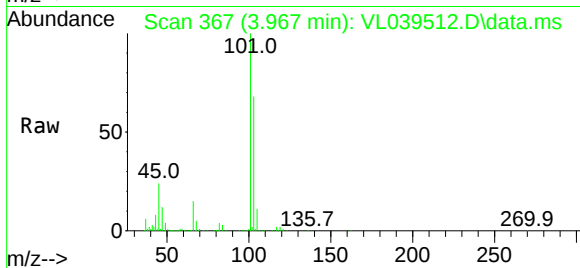
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 Ion Ratio Lower Upper
 43 100
 57 51.8 40.5 60.7





#11
Trichlorofluoromethane
Concen: 10.807 ppbv
RT: 3.967 min Scan# 30
Delta R.T. 0.029 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

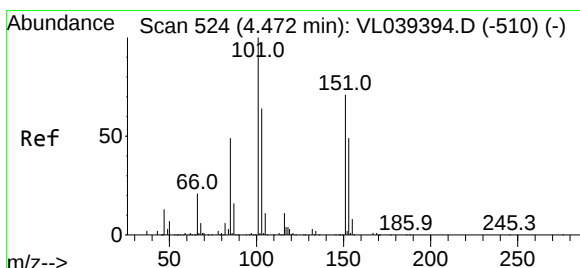
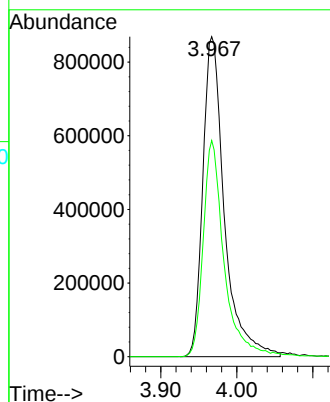
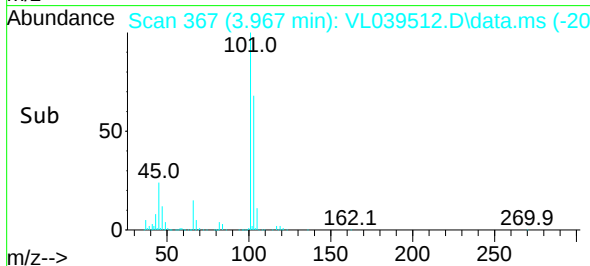
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



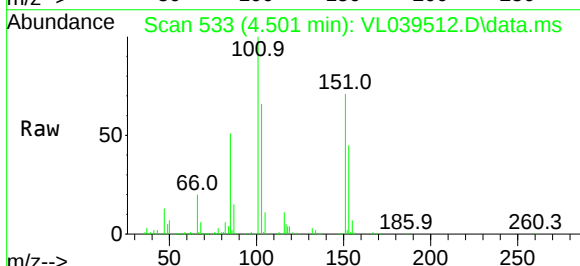
Tgt Ion:101 Resp: 170598
Ion Ratio Lower Upper
101 100
103 67.5 51.8 77.8

Manual Integrations
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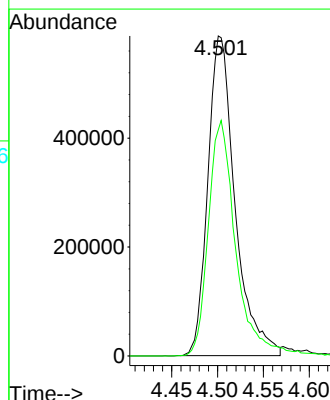
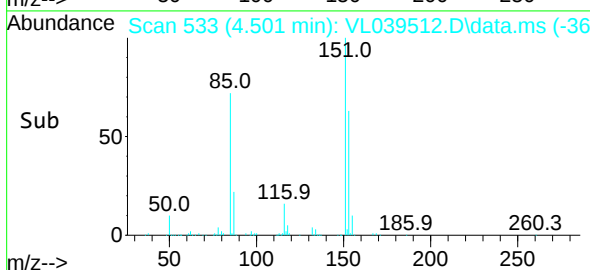
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

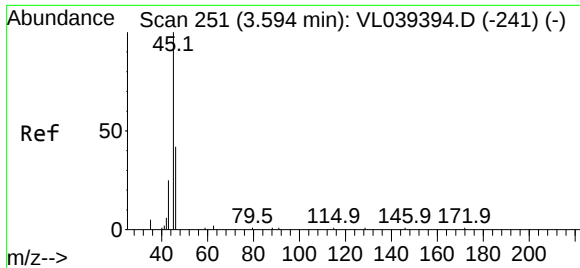


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.315 ppbv
RT: 4.501 min Scan# 533
Delta R.T. 0.029 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57



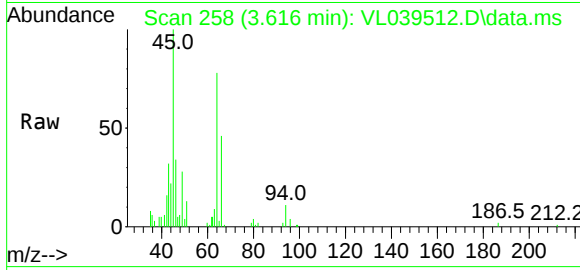
Tgt Ion:101 Resp: 1213821
Ion Ratio Lower Upper
101 100
151 74.7 58.9 88.3





#13
Ethanol
Concen: 8.325 ppbv m
RT: 3.616 min Scan# 217
Delta R.T. 0.023 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

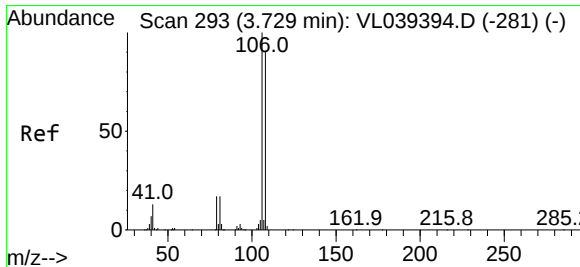
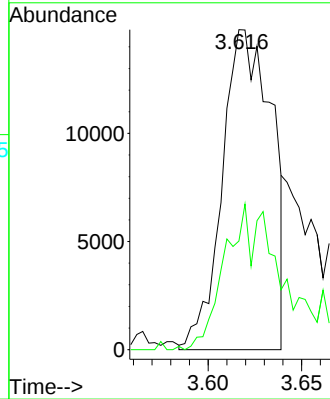
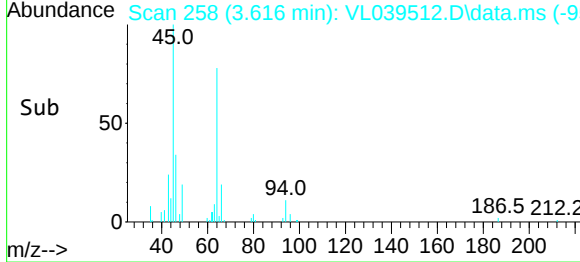
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



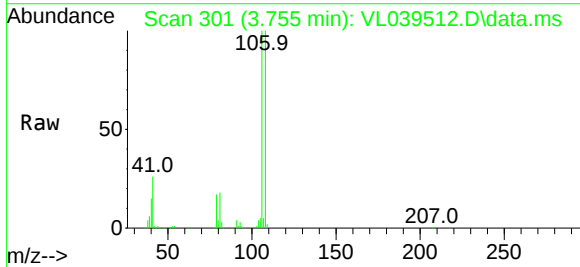
Tgt Ion: 45 Resp: 27178
Ion Ratio Lower Upper
45 100
46 63.0 22.8 91.2

Manual Integrations
APPROVED

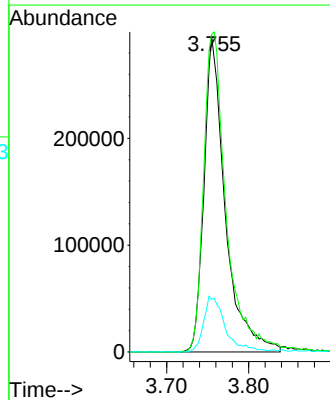
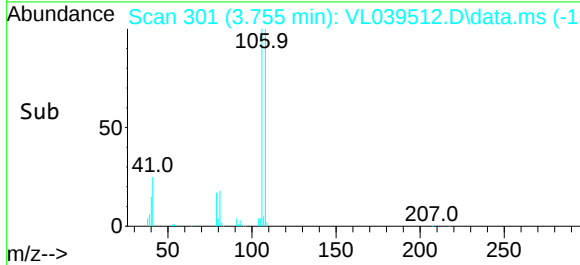
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

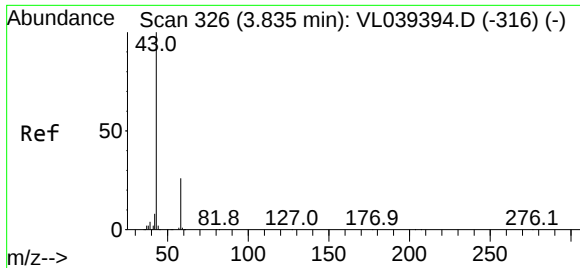


#14
Bromoethene
Concen: 10.727 ppbv
RT: 3.755 min Scan# 301
Delta R.T. 0.026 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57



Tgt Ion:108 Resp: 530677
Ion Ratio Lower Upper
108 100
106 109.8 87.1 130.7
79 18.7 14.6 22.0





#15

Acetone

Concen: 10.712 ppbv

RT: 3.864 min Scan# 31

Delta R.T. 0.029 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL0720ABS01

Tgt Ion: 43 Resp: 1244688

Ion Ratio Lower Upper

43 100

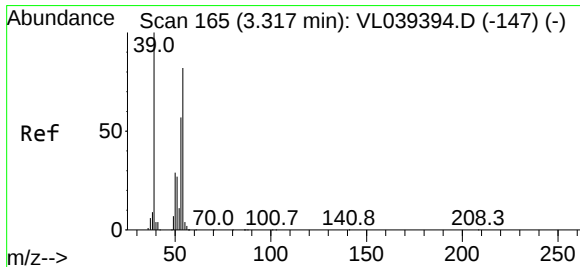
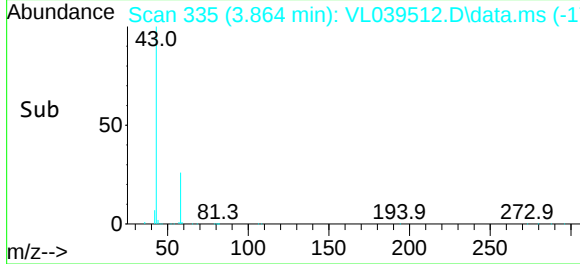
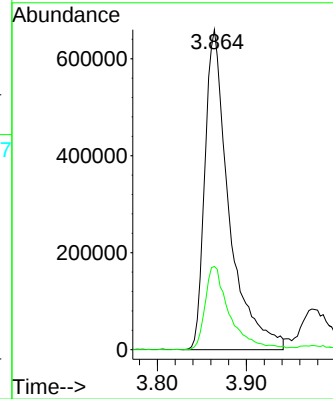
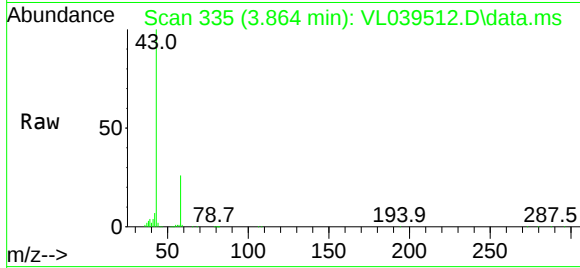
58 26.5 21.0 31.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/21/2022

Supervised By :Mahesh Dadoda 07/21/2022



#16

1,3-Butadiene

Concen: 10.565 ppbv

RT: 3.343 min Scan# 173

Delta R.T. 0.026 min

Lab File: VL039512.D

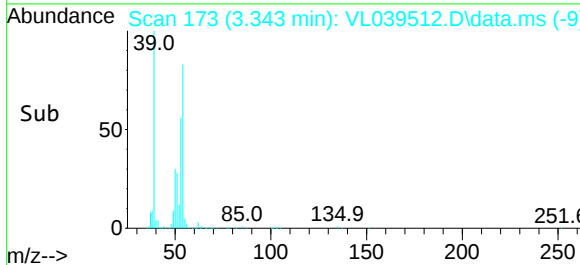
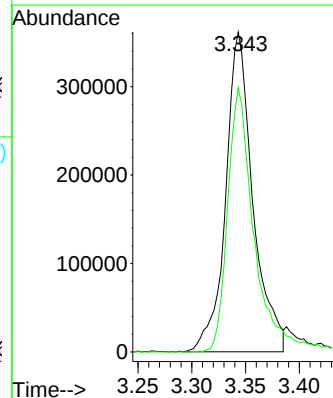
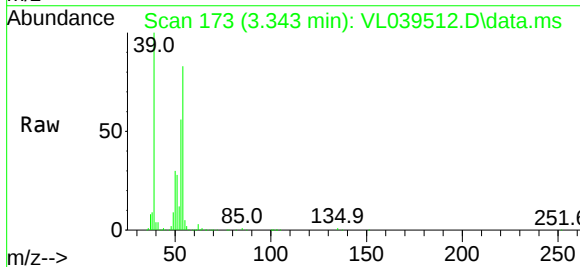
Acq: 20 Jul 2022 15:57

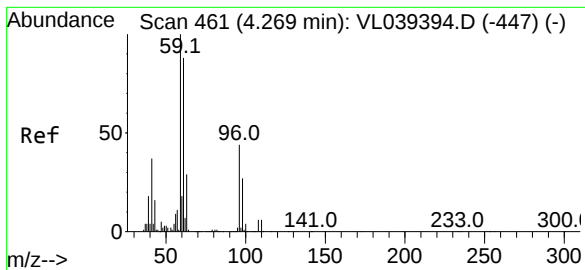
Tgt Ion: 39 Resp: 636908

Ion Ratio Lower Upper

39 100

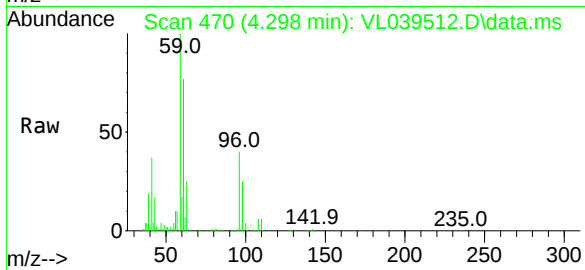
54 81.8 63.7 95.5





#17
tert-Butyl alcohol
Concen: 12.203 ppbv
RT: 4.298 min Scan# 41
Delta R.T. 0.029 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

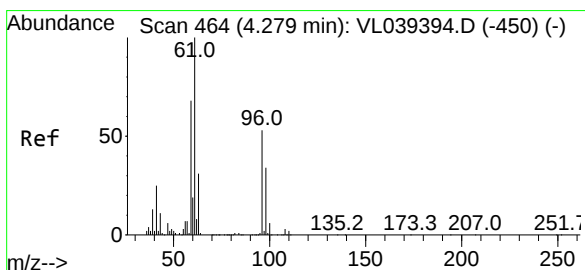
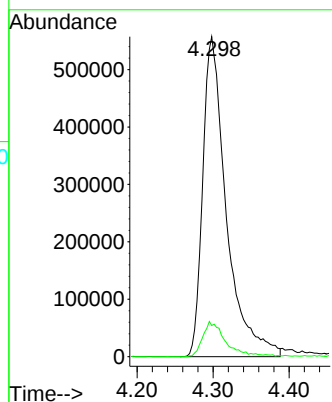
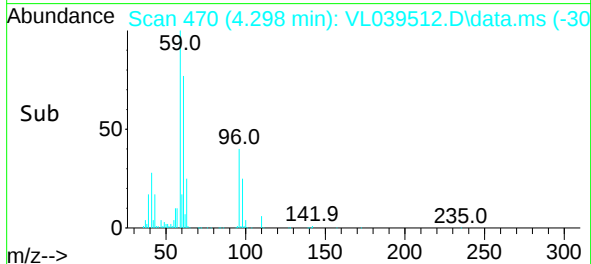
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



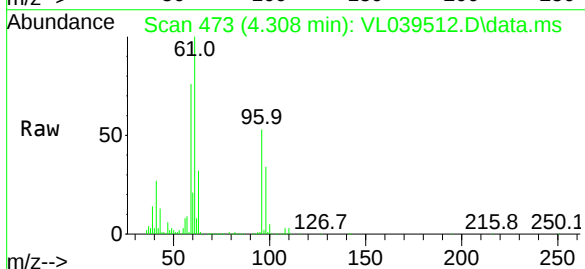
Tgt Ion: 59 Resp: 120342
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1

Manual Integrations
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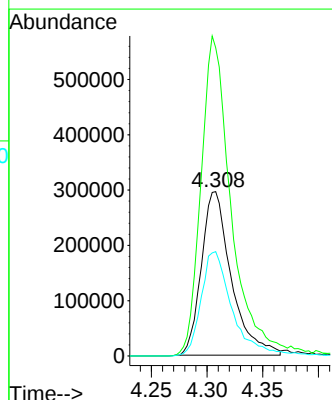
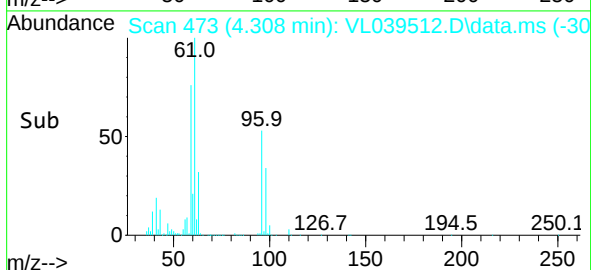
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

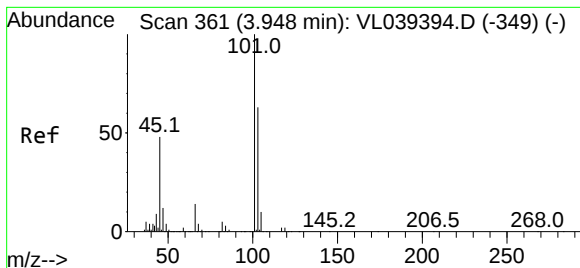


#18
1,1-Dichloroethene
Concen: 10.379 ppbv
RT: 4.308 min Scan# 473
Delta R.T. 0.029 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57



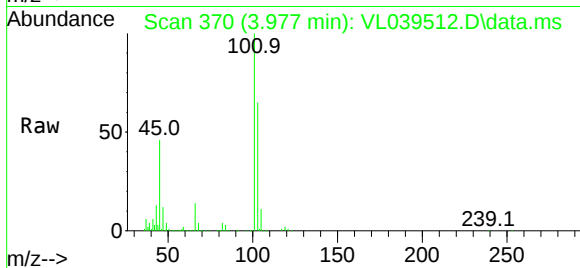
Tgt Ion: 96 Resp: 553362
Ion Ratio Lower Upper
96 100
61 185.9 152.2 228.4
98 63.0 51.8 77.6





#19
Isopropyl Alcohol
Concen: 10.845 ppbv
RT: 3.977 min Scan# 31
Delta R.T. 0.029 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

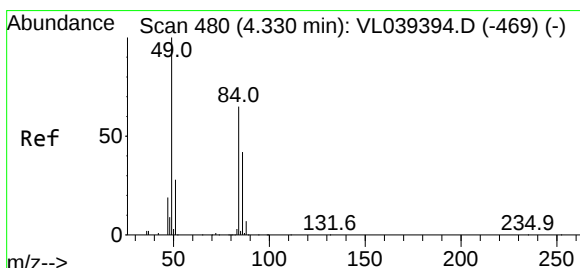
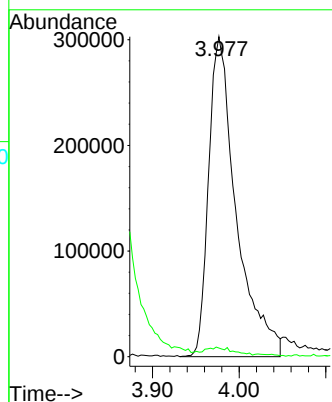
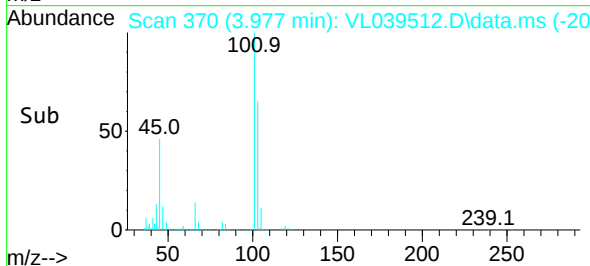
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



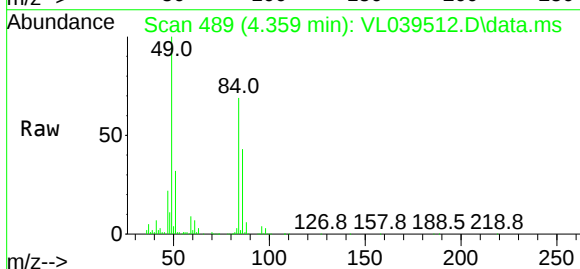
Tgt Ion: 45 Resp: 672150
Ion Ratio Lower Upper
45 100
58 3.1 3.2 4.8

Manual Integrations
APPROVED

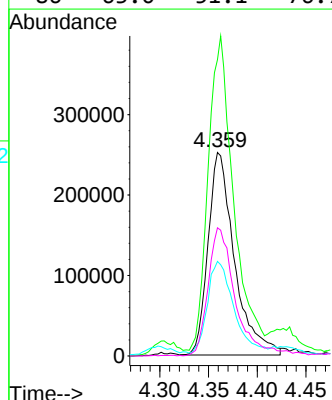
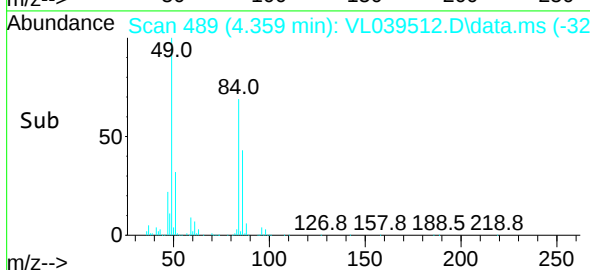
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

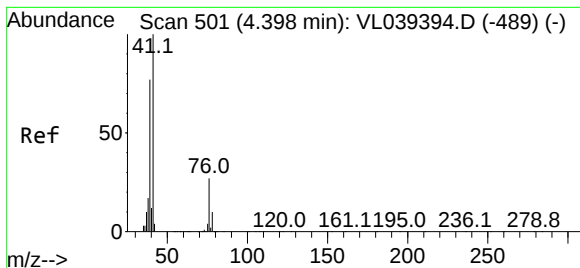


#20
Methylene Chloride
Concen: 10.266 ppbv
RT: 4.359 min Scan# 489
Delta R.T. 0.029 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57



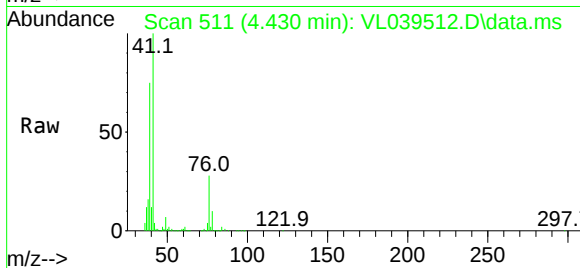
Tgt Ion: 84 Resp: 475452
Ion Ratio Lower Upper
84 100
49 142.3 123.1 184.7
51 45.1 34.4 51.6
86 63.0 51.1 76.7





#21
 Allyl Chloride
 Concen: 11.036 ppbv
 RT: 4.430 min Scan# 511
 Delta R.T. 0.032 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

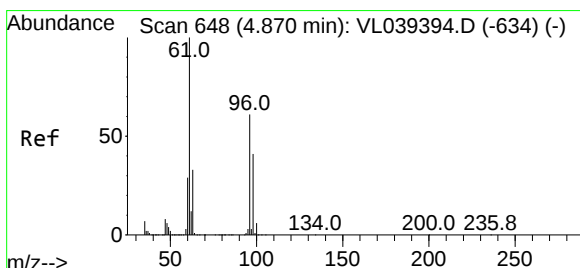
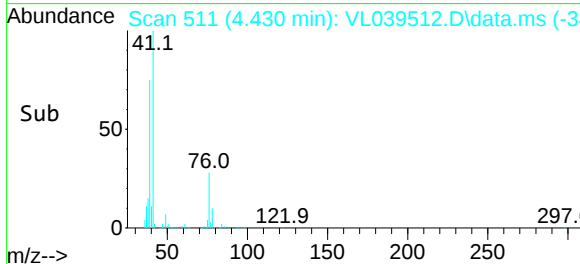
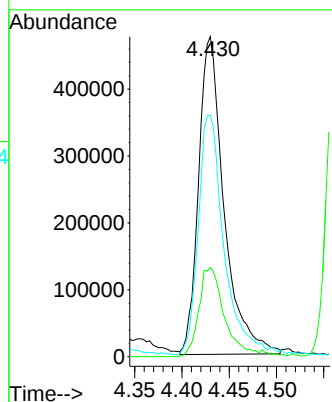
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0720ABS01



Tgt Ion: 41 Resp: 888130
 Ion Ratio Lower Upper
 41 100
 76 28.8 24.4 36.6
 39 77.4 63.5 95.3

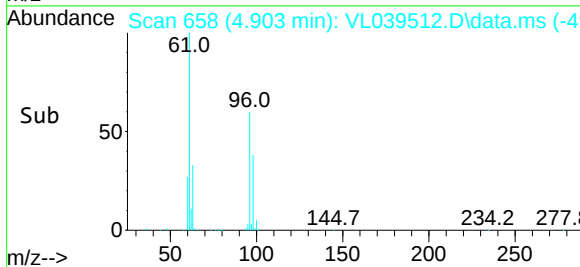
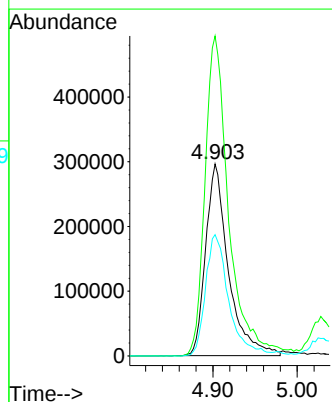
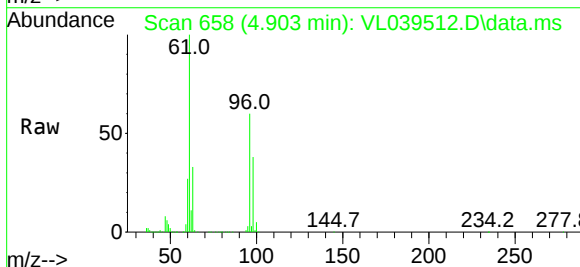
Manual Integrations
 APPROVED

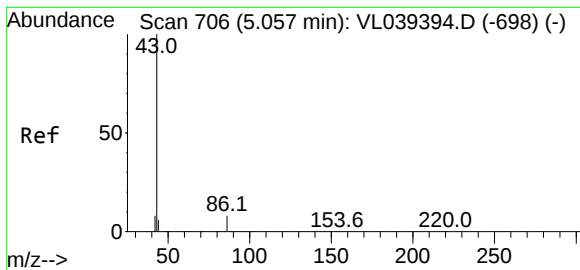
Reviewed By :Semsettin Yesilyurt 07/21/2022
 Supervised By :Mahesh Dadoda 07/21/2022



#22
 trans-1,2-Dichloroethene
 Concen: 10.834 ppbv
 RT: 4.903 min Scan# 658
 Delta R.T. 0.032 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

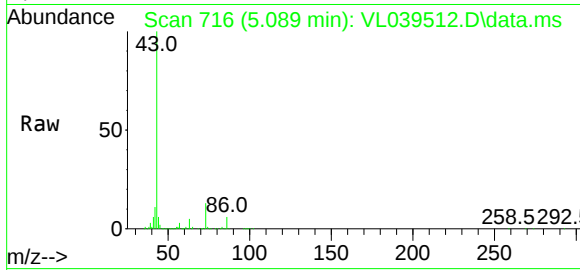
Tgt Ion: 96 Resp: 559099
 Ion Ratio Lower Upper
 96 100
 61 166.9 130.6 195.8
 98 63.2 53.4 80.0





#23
 Vinyl Acetate
 Concen: 12.473 ppbv
 RT: 5.089 min Scan# 716
 Delta R.T. 0.032 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

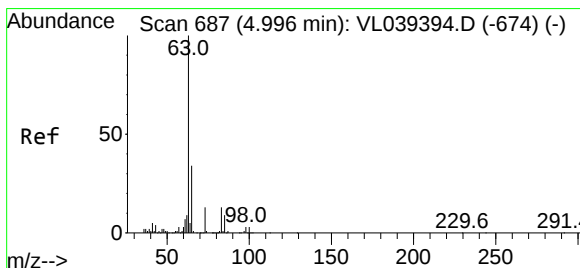
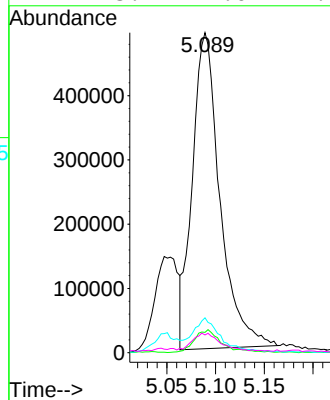
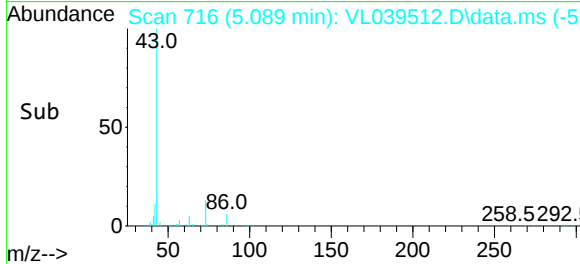
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0720ABS01



Tgt Ion: 43 Resp: 968508
 Ion Ratio Lower Upper
 43 100
 86 6.2 5.0 7.6
 42 10.7 7.7 11.5
 44 5.2 4.6 7.0

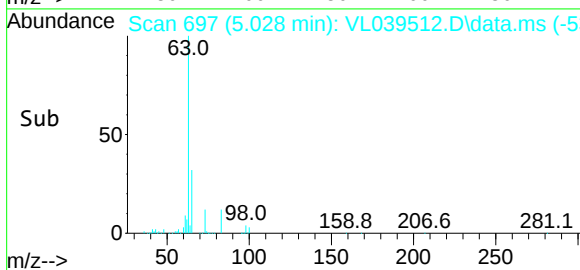
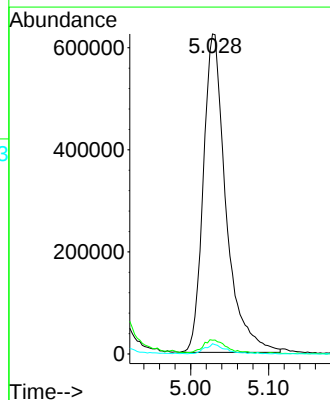
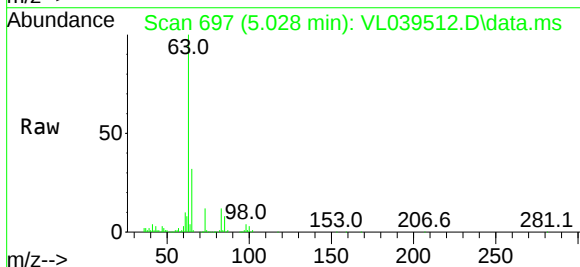
Manual Integrations
 APPROVED

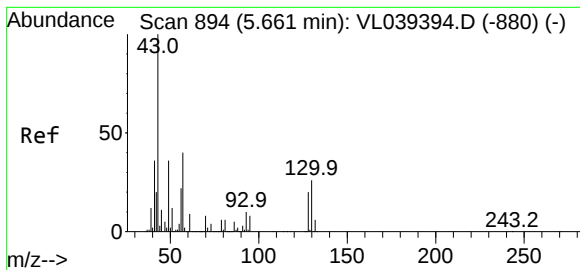
Reviewed By :Semsettin Yesilyurt 07/21/2022
 Supervised By :Mahesh Dadoda 07/21/2022



#24
 1,1-Dichloroethane
 Concen: 11.501 ppbv
 RT: 5.028 min Scan# 697
 Delta R.T. 0.032 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

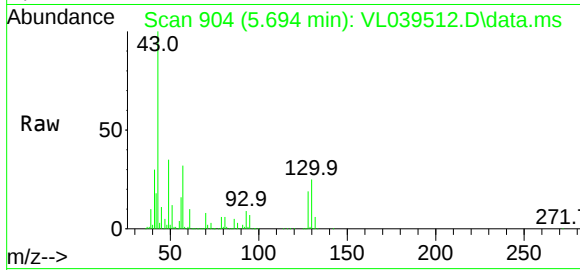
Tgt Ion: 63 Resp: 1261244
 Ion Ratio Lower Upper
 63 100
 98 4.1 1.8 5.3
 100 3.3 1.5 4.4





#25
Ethyl Acetate
Concen: 11.217 ppbv
RT: 5.694 min Scan# 904
Delta R.T. 0.032 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

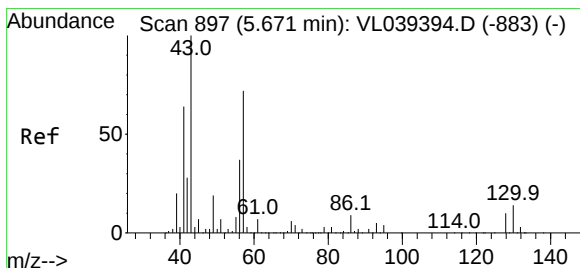
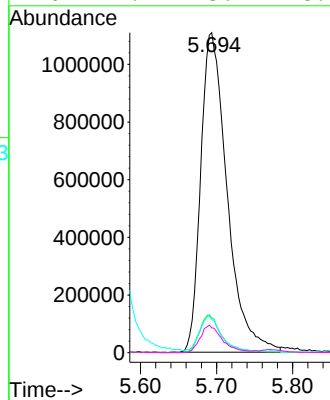
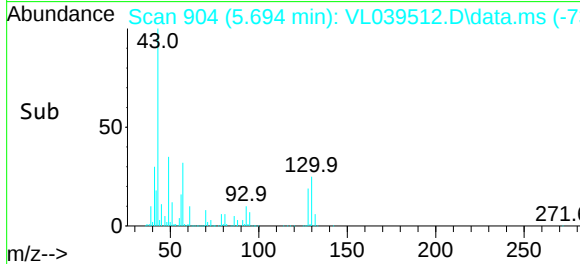
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



Tgt Ion: 43 Resp: 2672380
Ion Ratio Lower Upper
43 100
45 10.2 8.2 12.4
61 9.9 8.3 12.5
70 7.2 5.9 8.9

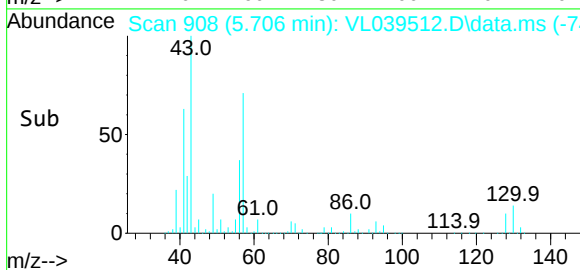
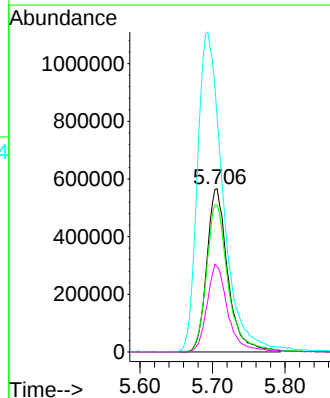
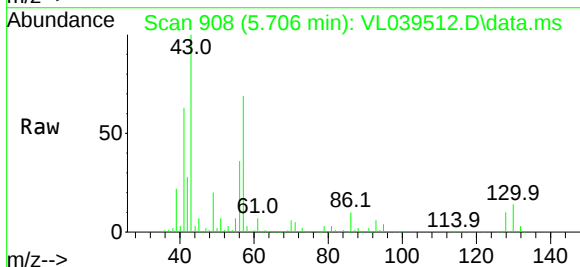
Manual Integrations
APPROVED

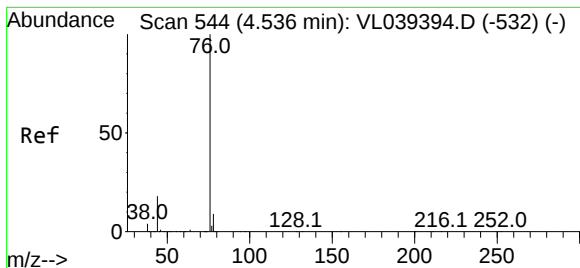
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022



#26
Hexane
Concen: 11.894 ppbv
RT: 5.706 min Scan# 908
Delta R.T. 0.035 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

Tgt Ion: 57 Resp: 1142209
Ion Ratio Lower Upper
57 100
41 94.7 76.9 115.3
43 238.8 191.0 286.6
56 53.3 43.2 64.8





#27

Carbon Disulfide

Concen: 11.663 ppbv

RT: 4.568 min Scan# 51

Delta R.T. 0.032 min

Lab File: VL039512.D

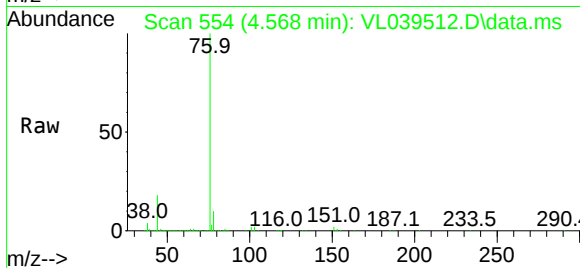
Acq: 20 Jul 2022 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL0720ABS01



Tgt Ion: 76 Resp: 1351949

Ion Ratio Lower Upper

76 100

44 19.3 14.6 21.8

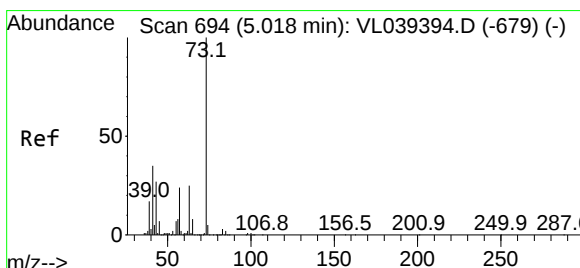
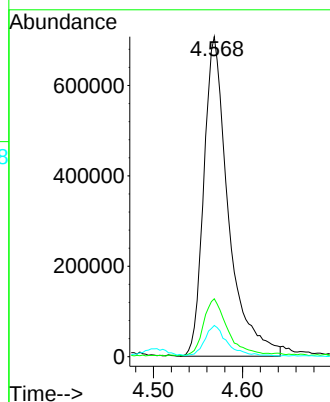
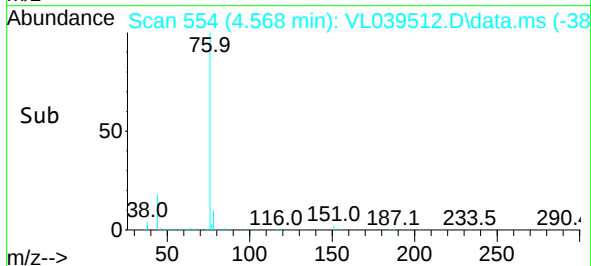
78 9.5 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/21/2022

Supervised By :Mahesh Dadoda 07/21/2022



#28

Methyl tert-Butyl Ether

Concen: 11.671 ppbv

RT: 5.050 min Scan# 704

Delta R.T. 0.032 min

Lab File: VL039512.D

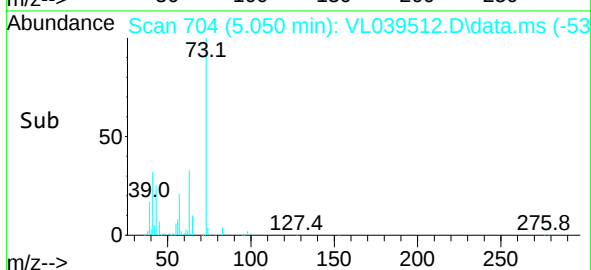
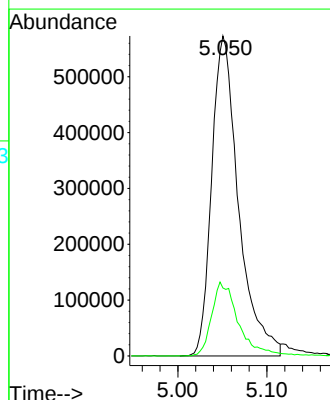
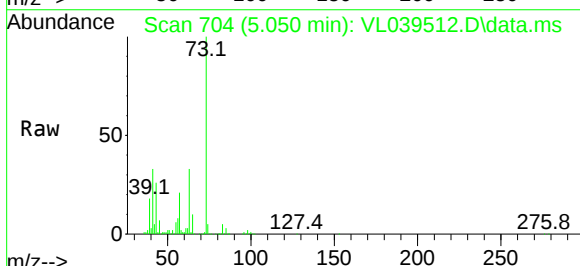
Acq: 20 Jul 2022 15:57

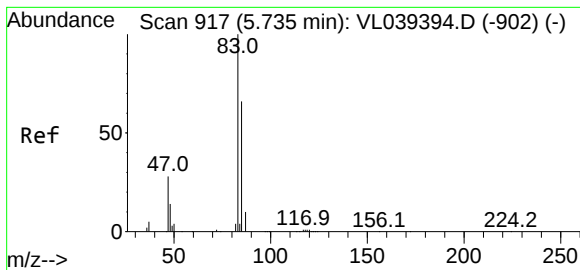
Tgt Ion: 73 Resp: 1198401

Ion Ratio Lower Upper

73 100

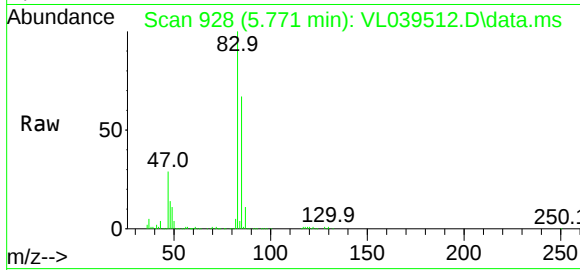
57 23.4 19.8 29.8





#29
Chloroform
Concen: 10.743 ppbv
RT: 5.771 min Scan# 917
Delta R.T. 0.035 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

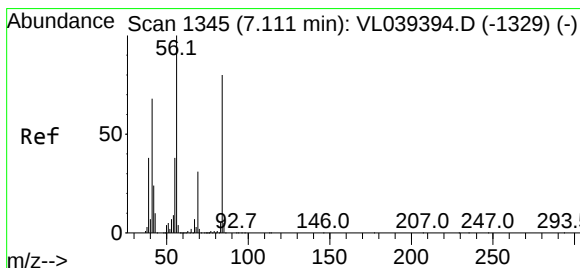
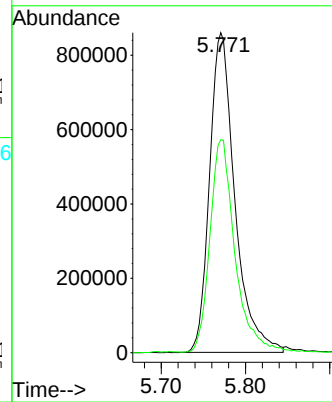
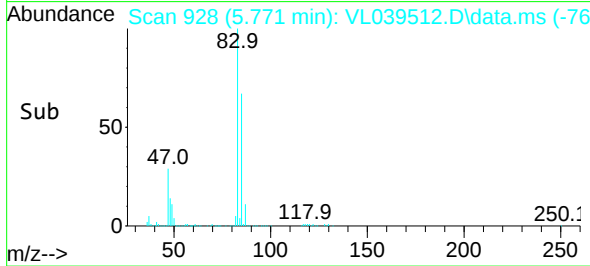
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



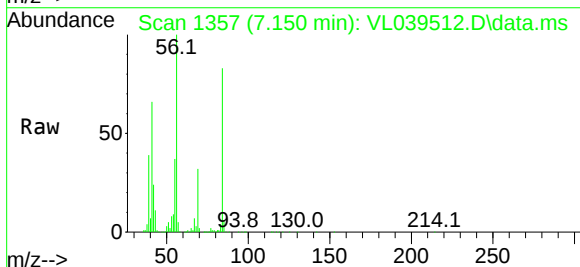
Tgt Ion: 83 Resp: 179406
Ion Ratio Lower Upper
83 100
85 66.4 52.8 79.2

Manual Integrations
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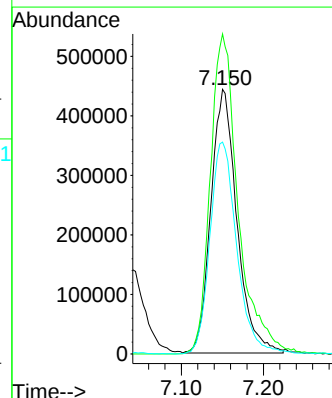
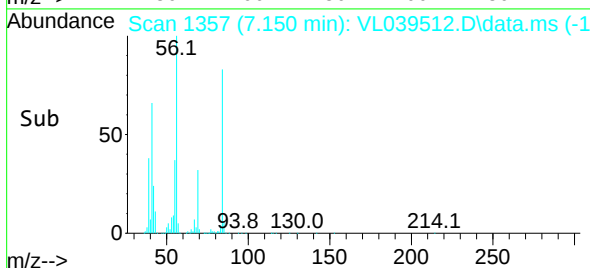
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

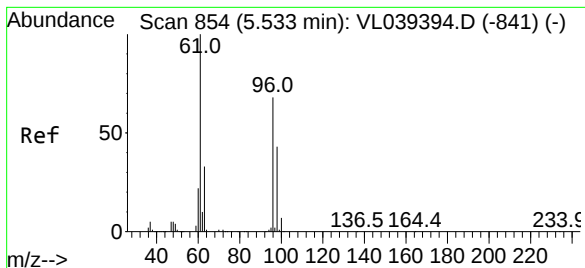


#30
Cyclohexane
Concen: 11.157 ppbv
RT: 7.150 min Scan# 1357
Delta R.T. 0.039 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57



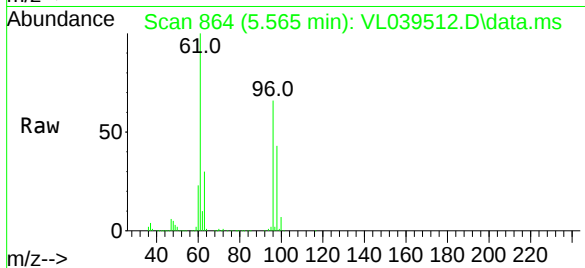
Tgt Ion: 84 Resp: 975433
Ion Ratio Lower Upper
84 100
56 130.9 107.7 161.5
41 83.7 67.7 101.5





#31
 cis-1,2-Dichloroethene
 Concen: 10.909 ppbv
 RT: 5.565 min Scan# 80
 Delta R.T. 0.032 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

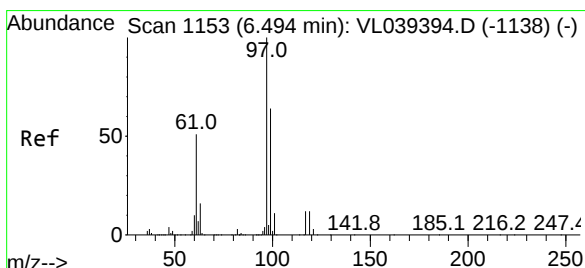
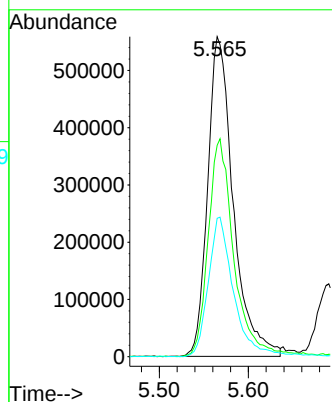
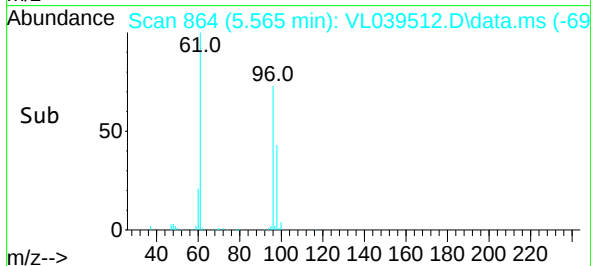
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0720ABS01



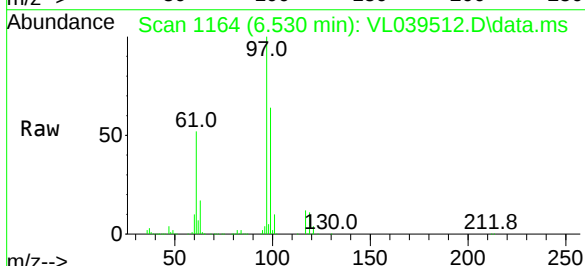
Tgt Ion: 61 Resp: 111163
 Ion Ratio Lower Upper
 61 100
 96 66.1 54.1 81.1
 98 43.2 34.6 52.0

Manual Integrations
 APPROVED

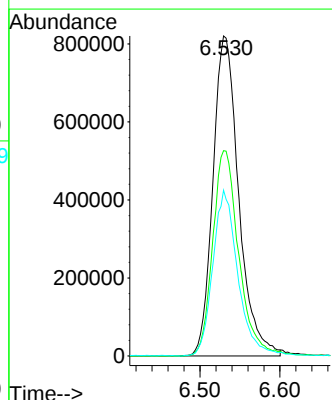
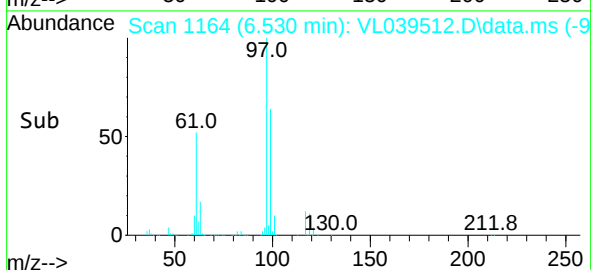
Reviewed By :Semsettin Yesilyurt 07/21/2022
 Supervised By :Mahesh Dadoda 07/21/2022

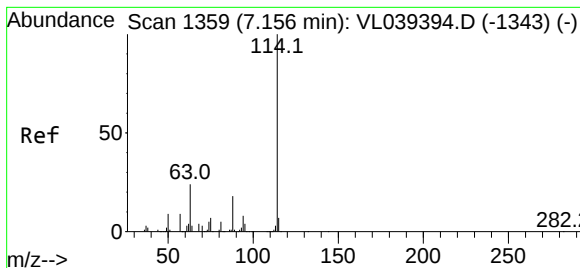


#32
 1,1,1-Trichloroethane
 Concen: 11.140 ppbv
 RT: 6.530 min Scan# 1164
 Delta R.T. 0.035 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57



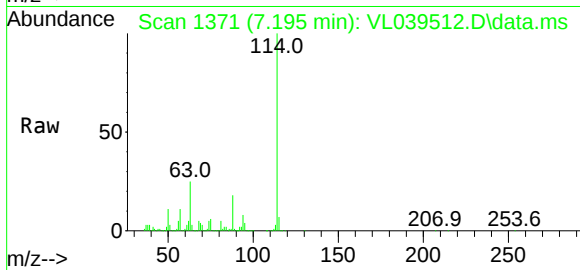
Tgt Ion: 97 Resp: 1836094
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.3 78.5
 61 50.6 40.9 61.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.195 min Scan# 114
Delta R.T. 0.039 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

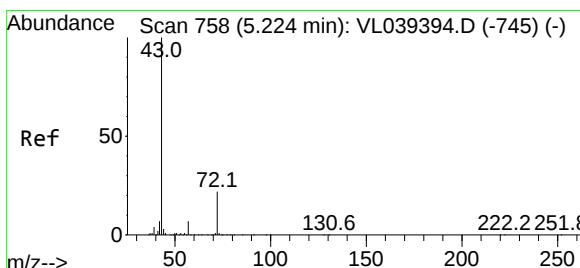
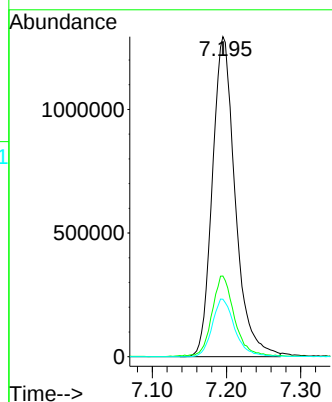
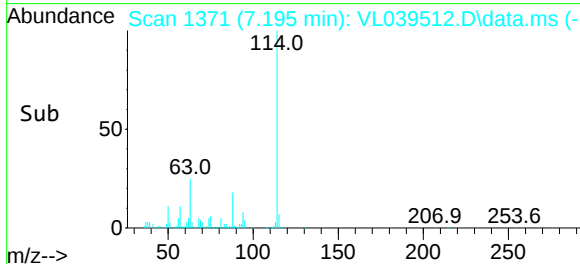
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



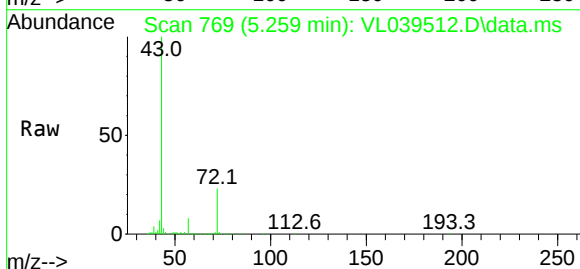
Tgt Ion:114 Resp: 2766770
Ion Ratio Lower Upper
114 100
63 25.4 20.2 30.4
88 17.9 14.5 21.7

Manual Integrations
APPROVED

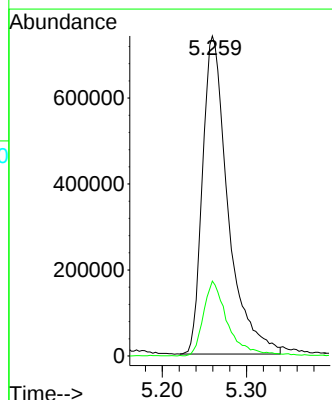
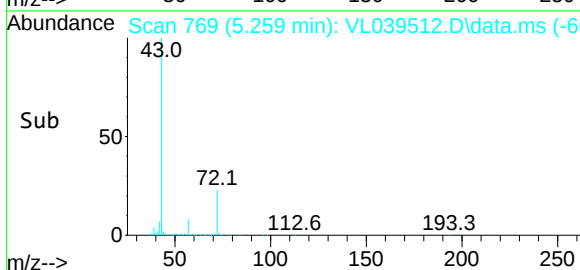
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

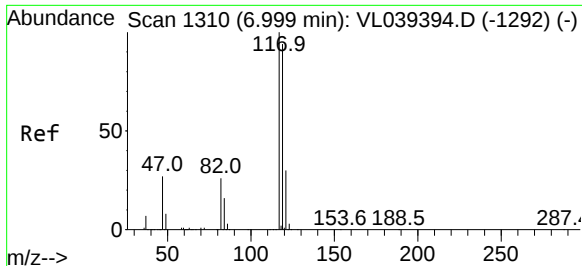


#34
2-Butanone
Concen: 11.179 ppbv
RT: 5.259 min Scan# 769
Delta R.T. 0.035 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57



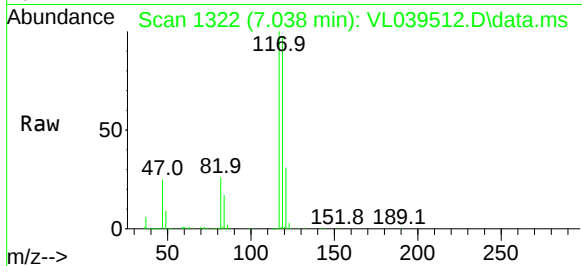
Tgt Ion: 43 Resp: 1556952
Ion Ratio Lower Upper
43 100
72 23.1 17.9 26.9





#35
Carbon Tetrachloride
Concen: 11.662 ppbv
RT: 7.038 min Scan# 11
Delta R.T. 0.039 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

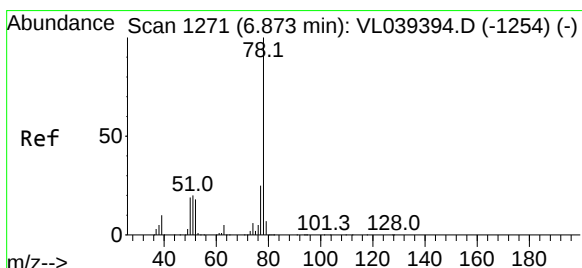
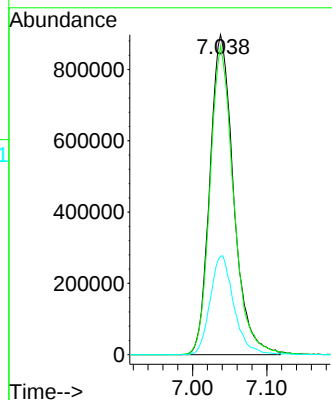
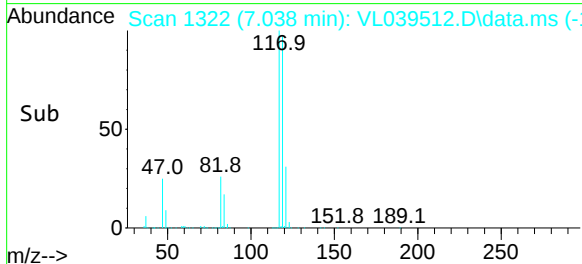
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



Tgt Ion:117 Resp: 199370
Ion Ratio Lower Upper
117 100
119 96.5 75.4 113.2
121 30.8 24.2 36.2

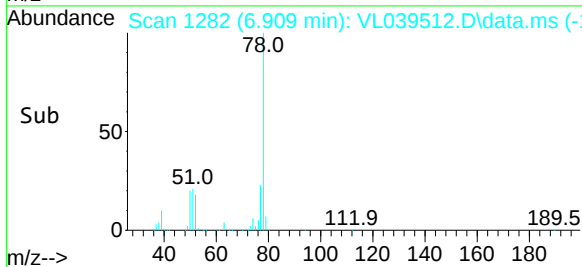
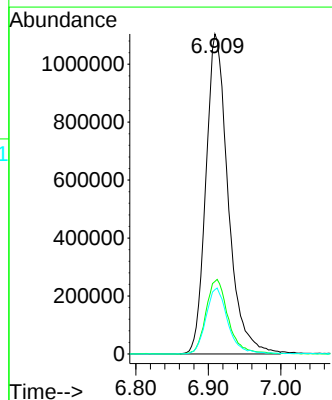
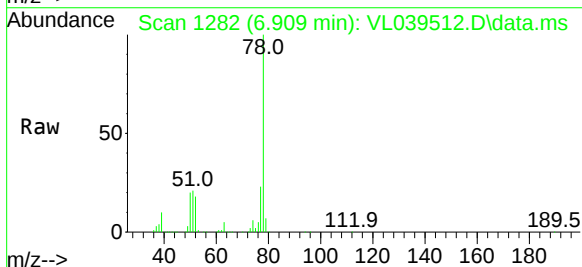
Manual Integrations
APPROVED

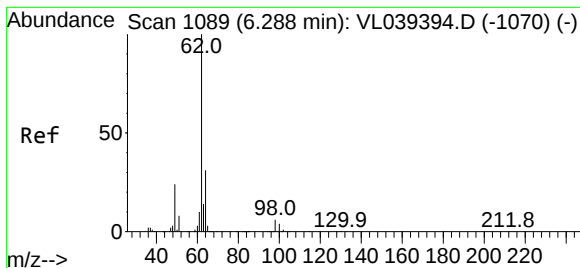
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022



#36
Benzene
Concen: 10.974 ppbv
RT: 6.909 min Scan# 1282
Delta R.T. 0.035 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

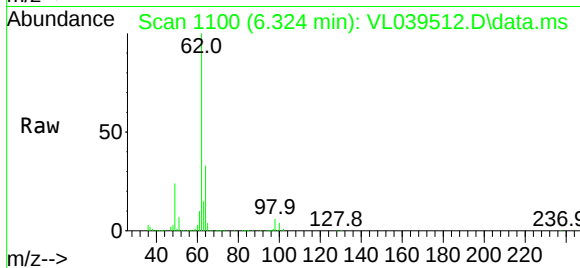
Tgt Ion: 78 Resp: 2349828
Ion Ratio Lower Upper
78 100
77 22.6 20.3 30.5
50 20.1 15.5 23.3





#37
1,2-Dichloroethane
Concen: 11.063 ppbv
RT: 6.324 min Scan# 1100
Delta R.T. 0.035 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

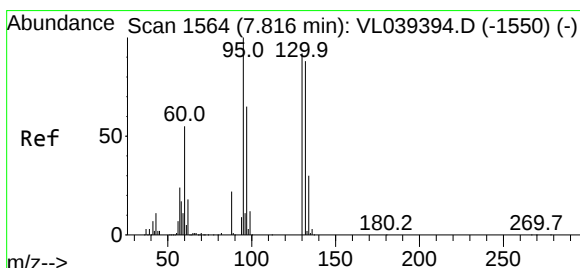
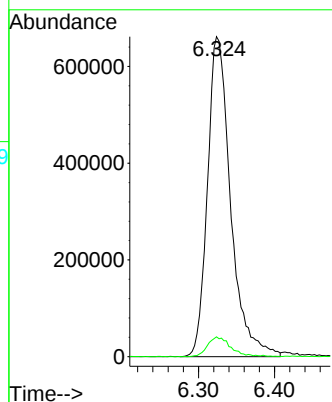
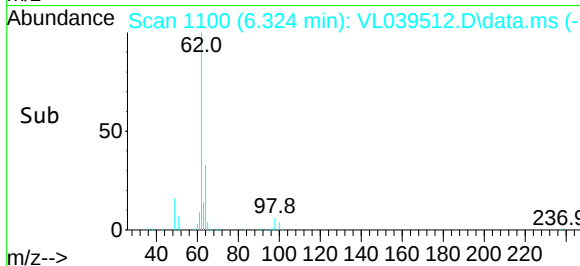
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



Tgt Ion: 62 Resp: 1398218
Ion Ratio Lower Upper
62 100
98 6.3 5.1 7.7

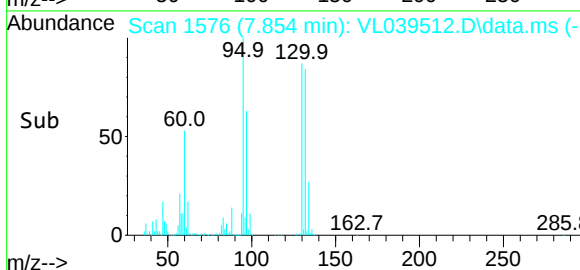
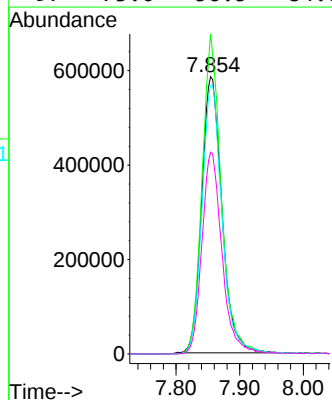
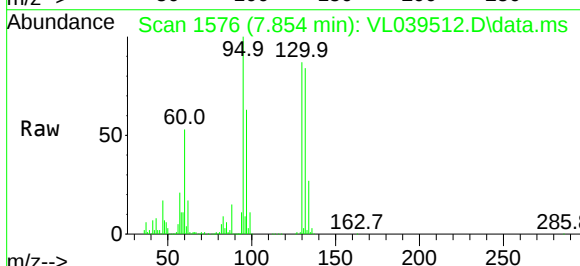
Manual Integrations
APPROVED

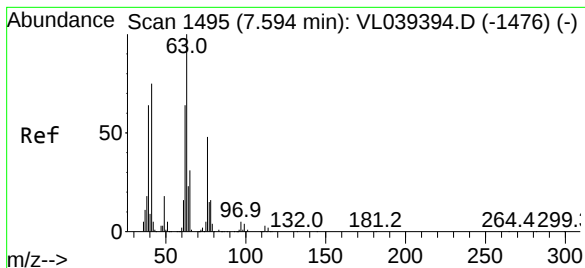
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022



#38
Trichloroethene
Concen: 11.099 ppbv
RT: 7.854 min Scan# 1576
Delta R.T. 0.039 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

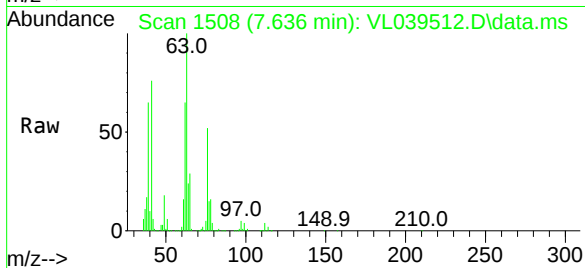
Tgt Ion:130 Resp: 1285483
Ion Ratio Lower Upper
130 100
95 115.7 87.3 130.9
132 97.2 76.7 115.1
97 73.0 56.5 84.7





#39
1,2-Dichloropropane
Concen: 10.606 ppbv
RT: 7.636 min Scan# 11
Delta R.T. 0.042 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

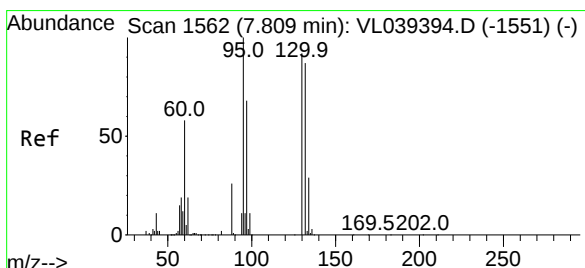
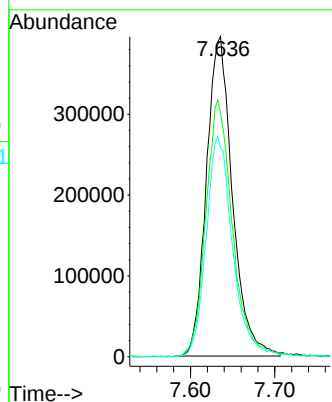
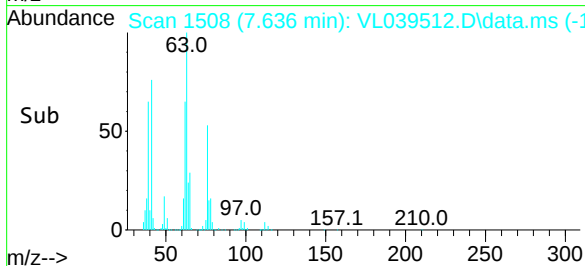
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



Tgt Ion: 63 Resp: 84844
Ion Ratio Lower Upper
63 100
41 75.7 59.6 89.4
62 65.2 51.4 77.0

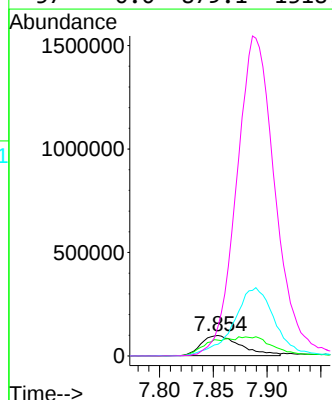
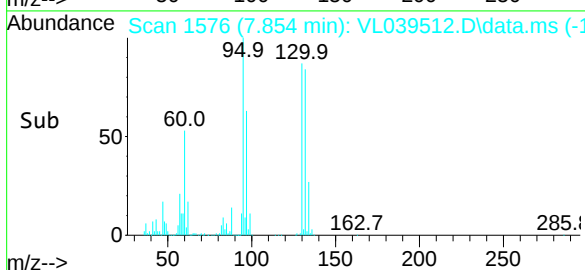
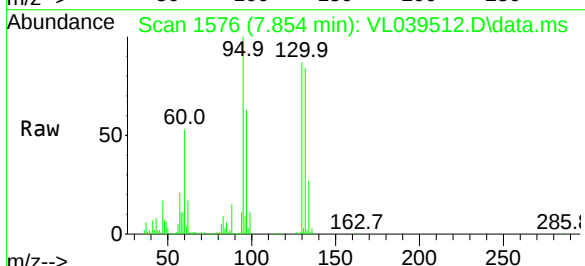
Manual Integrations
APPROVED

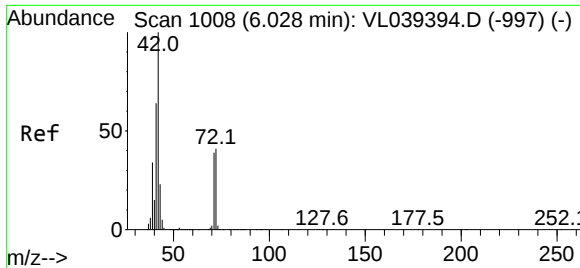
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022



#40
1,4-Dioxane
Concen: 7.731 ppbv
RT: 7.854 min Scan# 1576
Delta R.T. 0.045 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

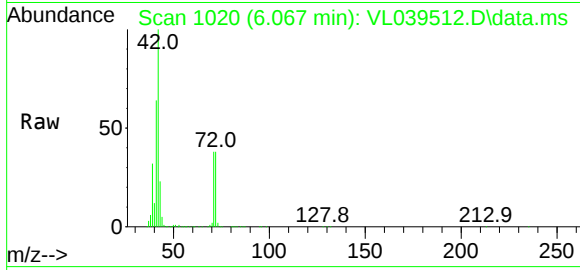
Tgt Ion: 88 Resp: 246463
Ion Ratio Lower Upper
88 100
58 0.0 100.2 150.4#
43 0.0 205.8 308.6#
57 0.0 879.1 1318.7#





#41
Tetrahydrofuran
Concen: 11.223 ppbv
RT: 6.067 min Scan# 1008
Delta R.T. 0.039 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

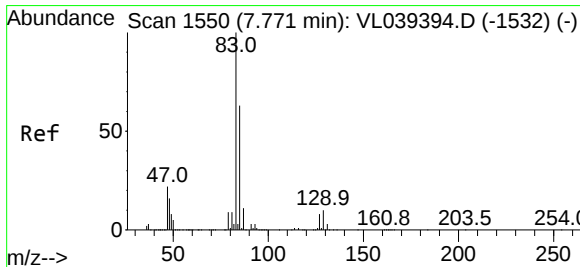
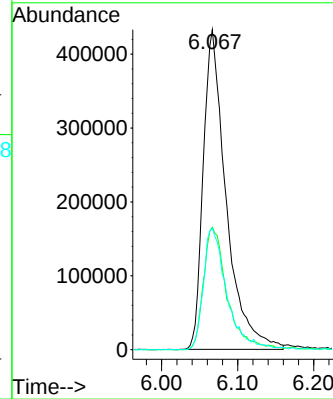
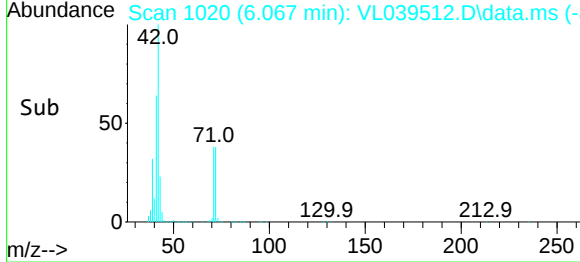
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



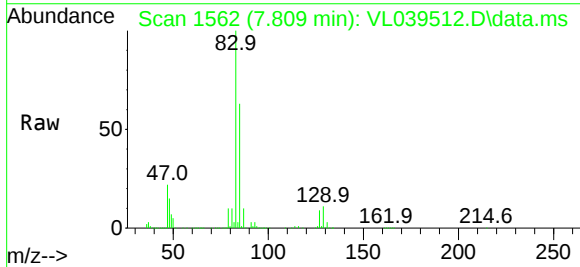
Tgt Ion: 42 Resp: 905780
Ion Ratio Lower Upper
42 100
72 40.1 31.8 47.8
71 39.4 31.8 47.8

Manual Integrations
APPROVED

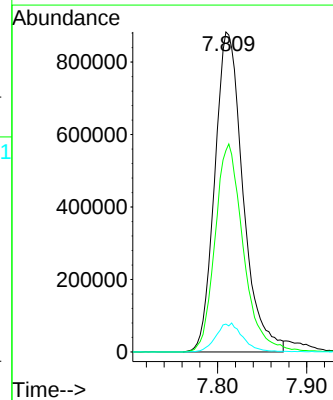
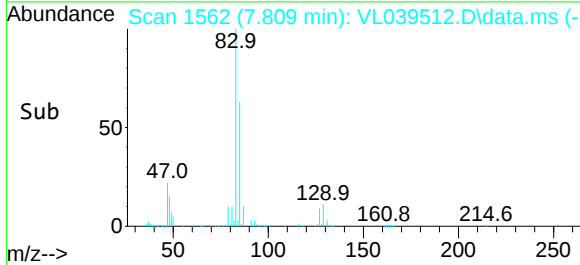
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

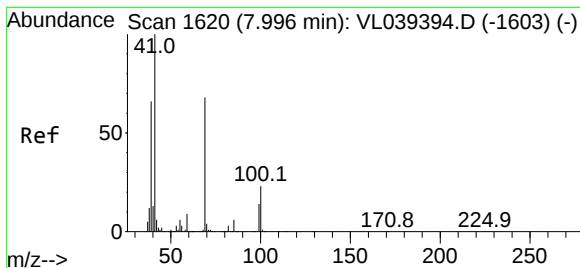


#42
Bromodichloromethane
Concen: 11.426 ppbv
RT: 7.809 min Scan# 1562
Delta R.T. 0.039 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57



Tgt Ion: 83 Resp: 1947173
Ion Ratio Lower Upper
83 100
85 62.9 50.7 76.1
127 8.7 6.6 9.8





#43

Methyl Methacrylate

Concen: 11.620 ppbv

RT: 8.031 min Scan# 1

Delta R.T. 0.035 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL0720ABS01

Tgt Ion: 69 Resp: 946140

Ion Ratio Lower Upper

69 100

41 152.7 120.8 181.2

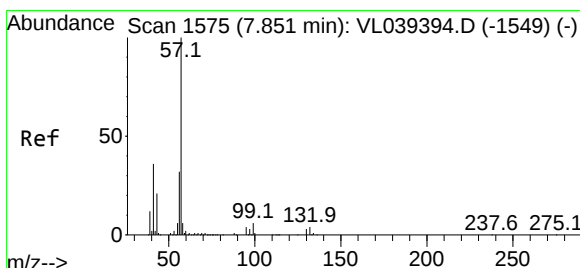
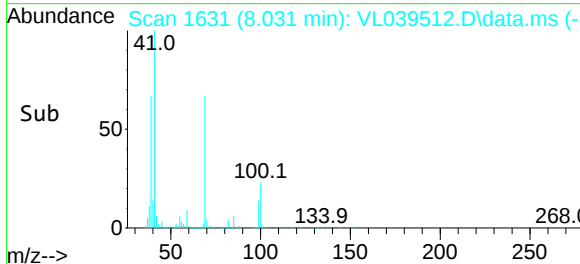
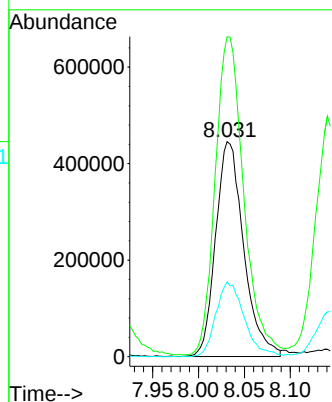
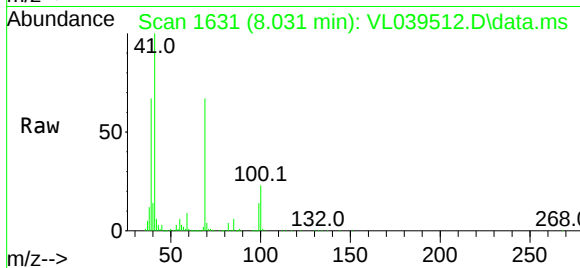
100 35.4 27.8 41.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/21/2022

Supervised By :Mahesh Dadoda 07/21/2022



#44

2,2,4-Trimethylpentane

Concen: 10.720 ppbv

RT: 7.886 min Scan# 1586

Delta R.T. 0.035 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

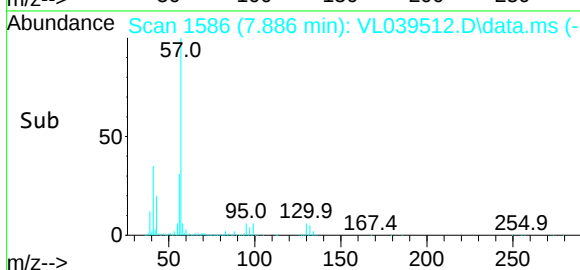
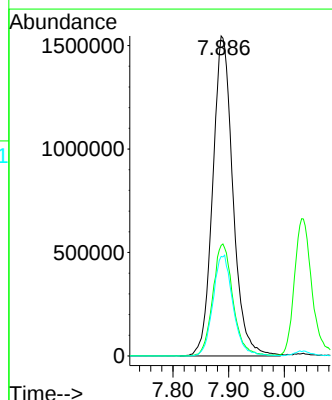
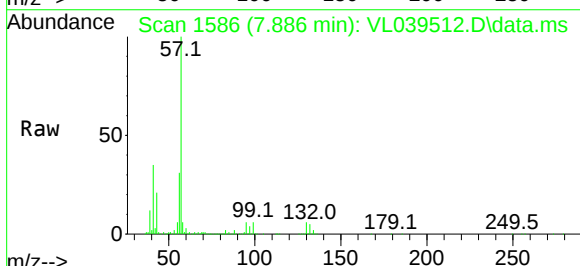
Tgt Ion: 57 Resp: 3889923

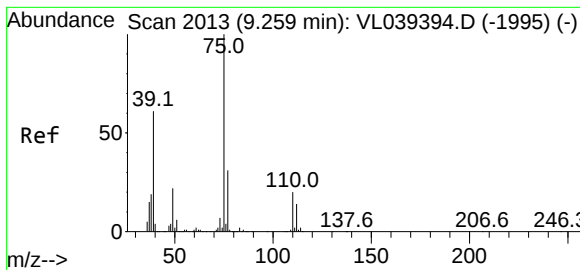
Ion Ratio Lower Upper

57 100

41 35.0 27.4 41.2

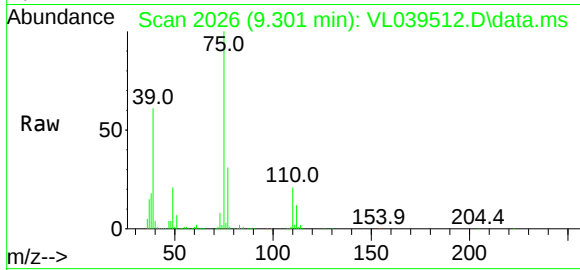
56 31.2 24.5 36.7





#45
t-1,3-Dichloropropene
Concen: 13.388 ppbv
RT: 9.301 min Scan# 2013
Delta R.T. 0.042 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

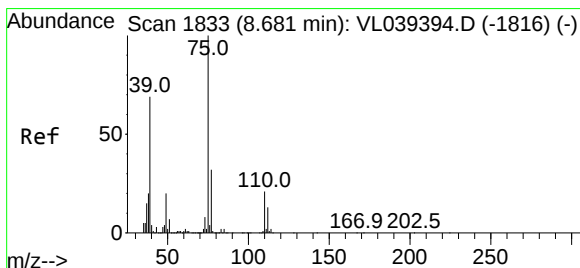
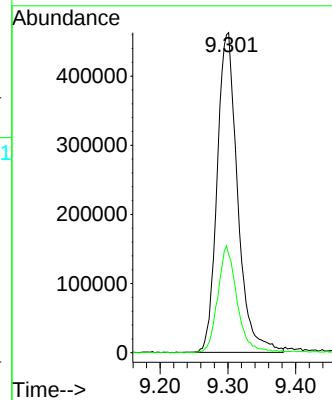
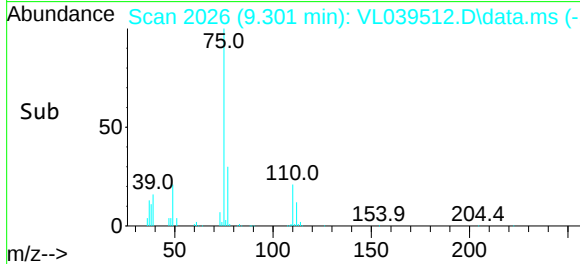
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



Tgt Ion: 75 Resp: 970585
Ion Ratio Lower Upper
75 100
77 30.6 24.6 36.8

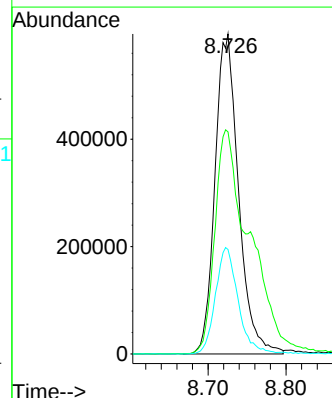
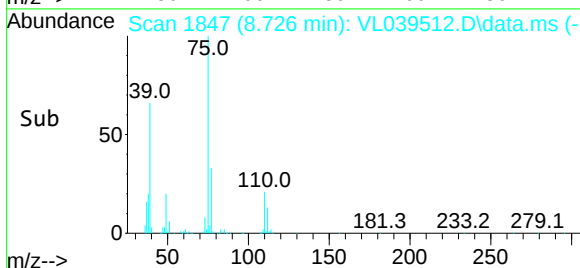
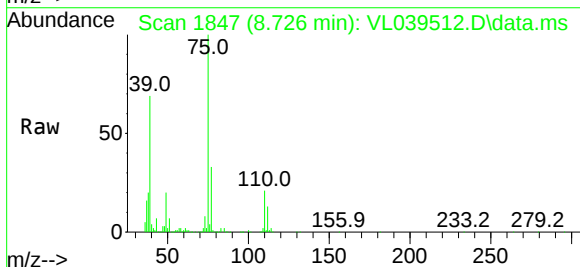
Manual Integrations
APPROVED

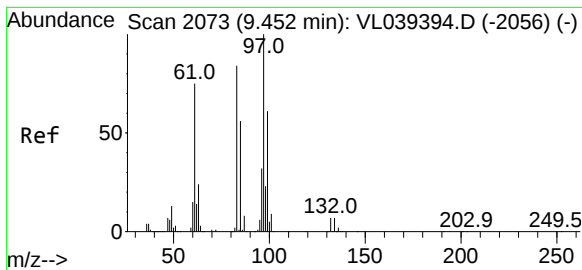
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022



#46
cis-1,3-Dichloropropene
Concen: 12.536 ppbv
RT: 8.726 min Scan# 1847
Delta R.T. 0.045 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

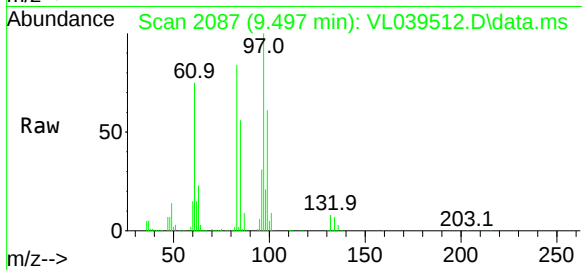
Tgt Ion: 75 Resp: 1250877
Ion Ratio Lower Upper
75 100
39 69.3 55.0 82.4
77 32.7 25.7 38.5





#47
1,1,2-Trichloroethane
Concen: 11.024 ppbv
RT: 9.497 min Scan# 2073
Delta R.T. 0.045 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

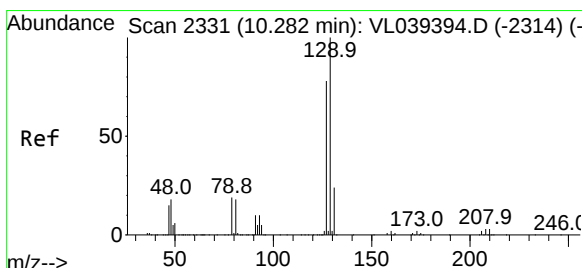
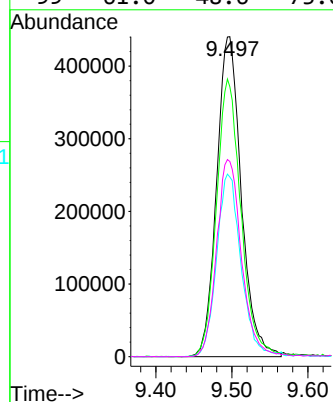
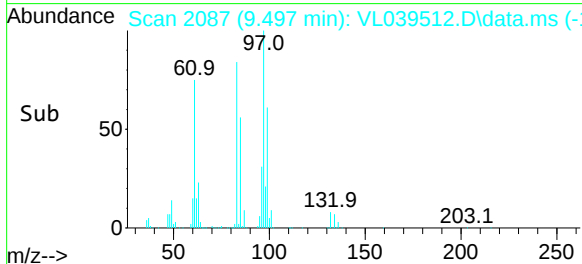
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



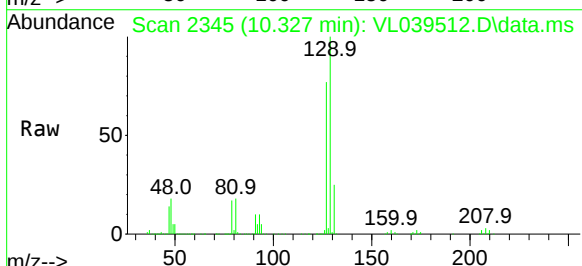
Tgt Ion: 97 Resp: 989544
Ion Ratio Lower Upper
97 100
83 84.3 67.4 101.0
85 56.1 45.1 67.7
99 61.0 48.6 73.0

Manual Integrations
APPROVED

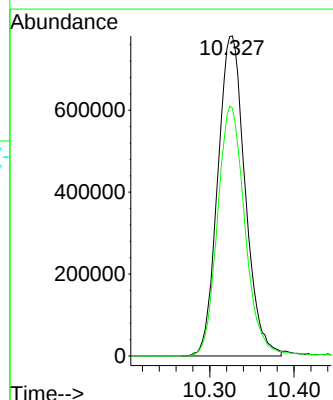
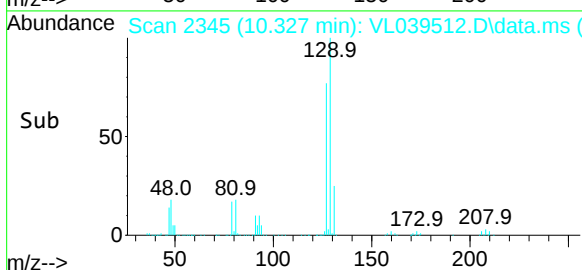
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

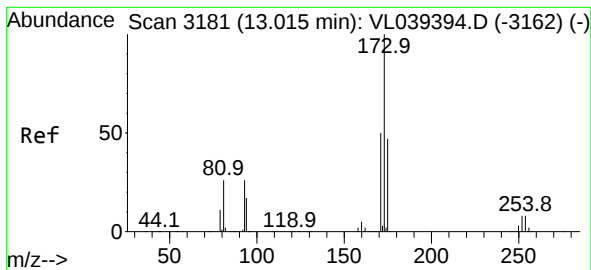


#48
Dibromochloromethane
Concen: 12.339 ppbv
RT: 10.327 min Scan# 2345
Delta R.T. 0.045 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57



Tgt Ion:129 Resp: 1760349
Ion Ratio Lower Upper
129 100
127 78.7 39.3 117.9





#49

Bromoform

Concen: 12.598 ppbv

RT: 13.060 min Scan# 3181

Delta R.T. 0.045 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL0720ABS01

Tgt Ion:173 Resp: 1449930

Ion Ratio Lower Upper

173 100

175 50.4 40.3 60.5

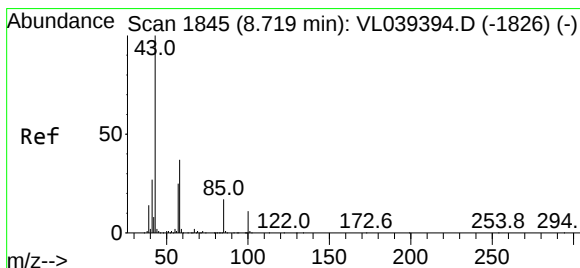
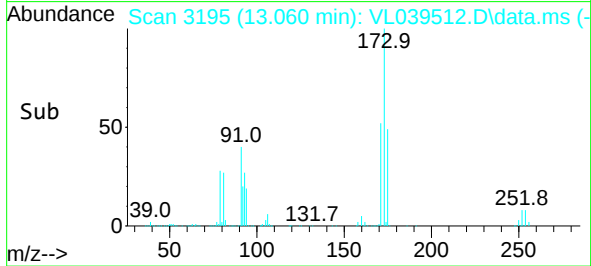
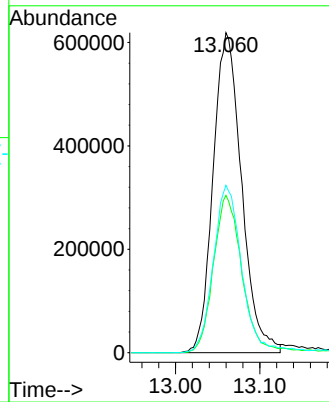
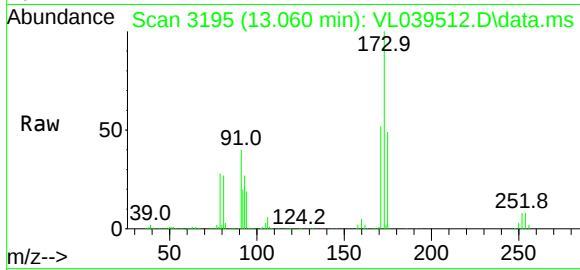
171 53.1 42.9 64.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/21/2022

Supervised By :Mahesh Dadoda 07/21/2022



#50

4-Methyl-2-Pentanone

Concen: 11.553 ppbv

RT: 8.758 min Scan# 1857

Delta R.T. 0.039 min

Lab File: VL039512.D

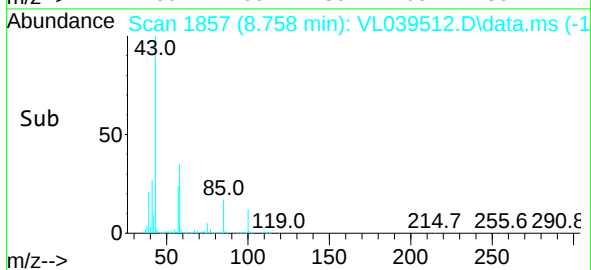
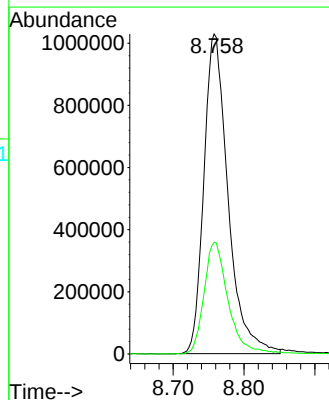
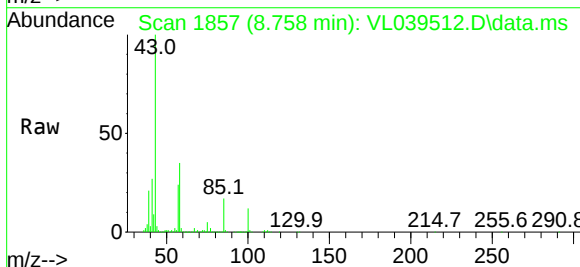
Acq: 20 Jul 2022 15:57

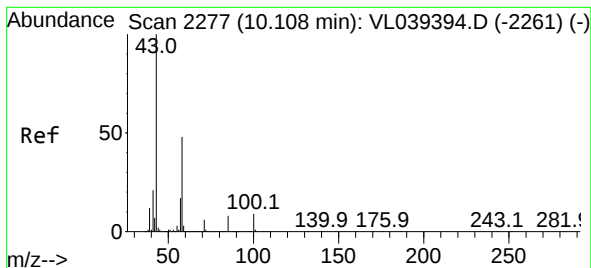
Tgt Ion: 43 Resp: 2432888

Ion Ratio Lower Upper

43 100

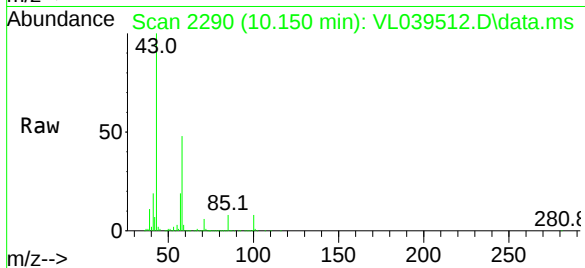
58 35.3 28.8 43.2





#51
2-Hexanone
Concen: 11.979 ppbv
RT: 10.150 min Scan# 21
Delta R.T. 0.042 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

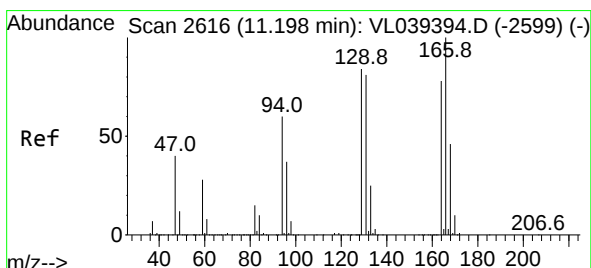
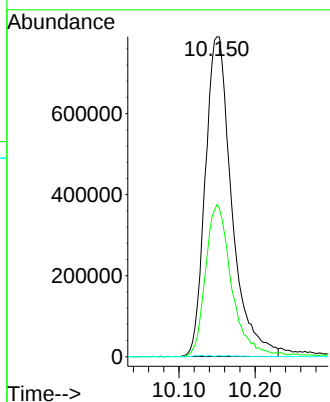
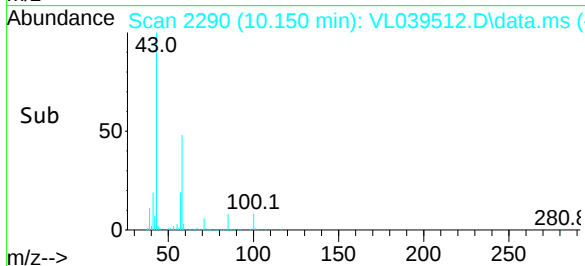
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



Tgt Ion: 43 Resp: 190814
Ion Ratio Lower Upper
43 100
58 48.3 38.4 57.6
98 0.4 0.3 0.5

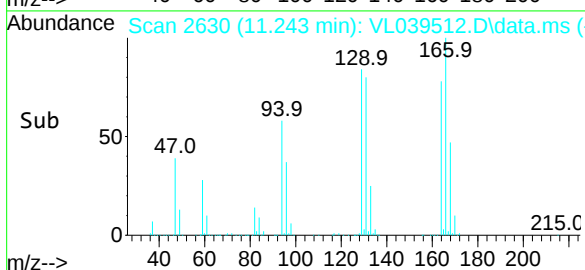
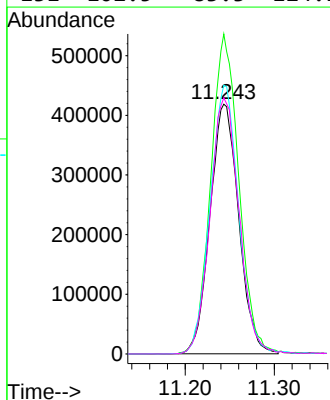
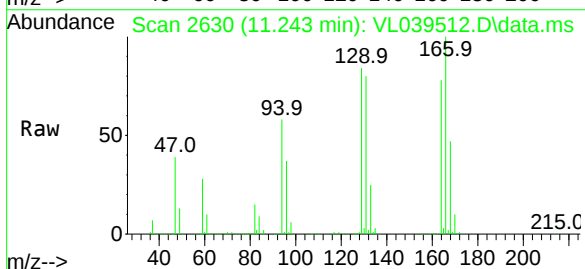
Manual Integrations
APPROVED

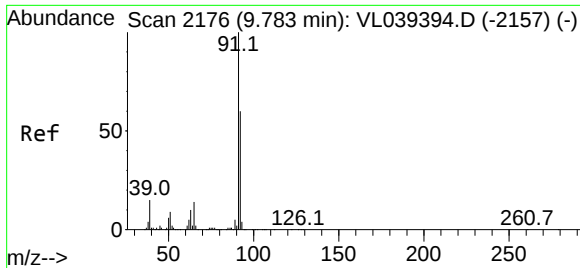
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022



#52
Tetrachloroethene
Concen: 10.853 ppbv
RT: 11.243 min Scan# 2630
Delta R.T. 0.045 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

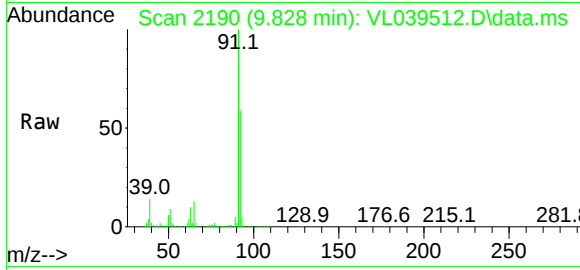
Tgt Ion:164 Resp: 935592
Ion Ratio Lower Upper
164 100
166 127.9 102.2 153.2
129 107.4 85.8 128.8
131 102.5 83.3 124.9





#53
Toluene
Concen: 11.413 ppbv
RT: 9.828 min Scan# 2176
Delta R.T. 0.045 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

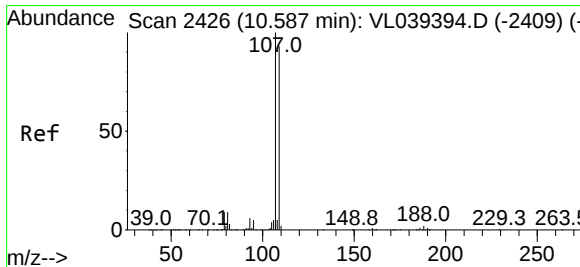
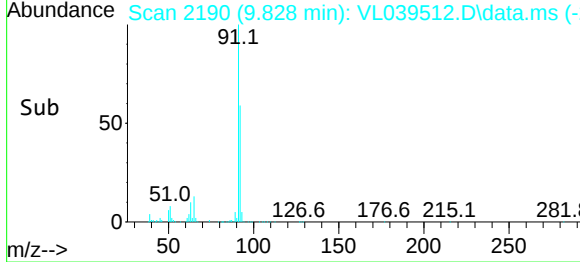
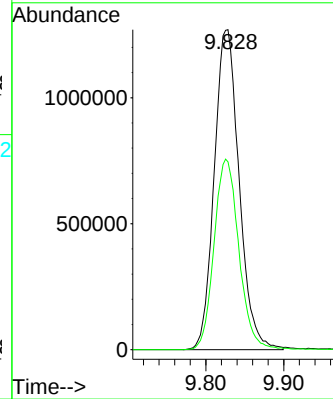
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



Tgt Ion: 91 Resp: 281888
Ion Ratio Lower Upper
91 100
92 59.7 48.2 72.2

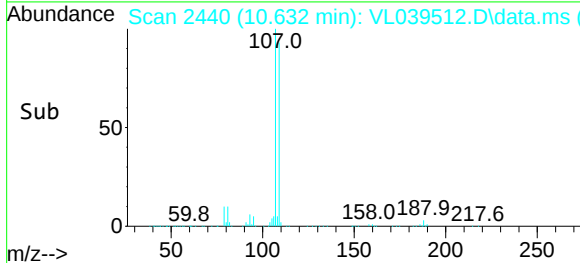
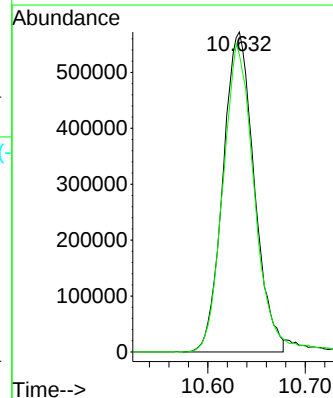
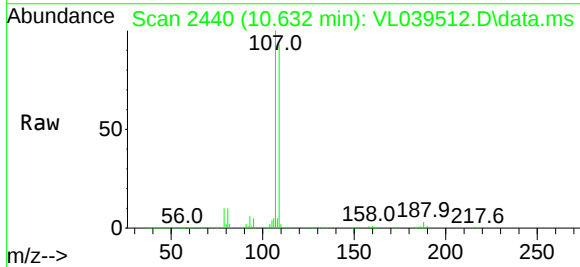
Manual Integrations
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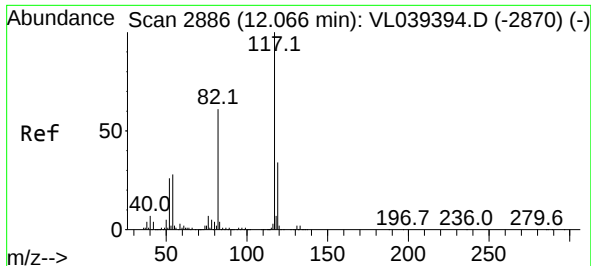
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022



#54
1,2-Dibromoethane
Concen: 11.395 ppbv
RT: 10.632 min Scan# 2440
Delta R.T. 0.045 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

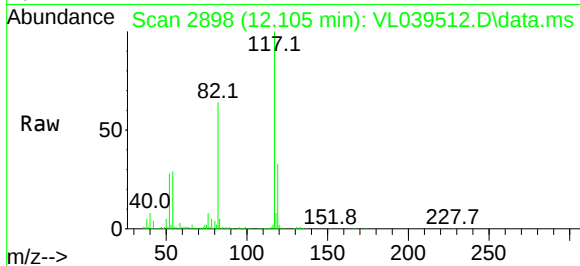
Tgt Ion:107 Resp: 1272634
Ion Ratio Lower Upper
107 100
109 93.1 74.8 112.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.105 min Scan# 2912
Delta R.T. 0.039 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

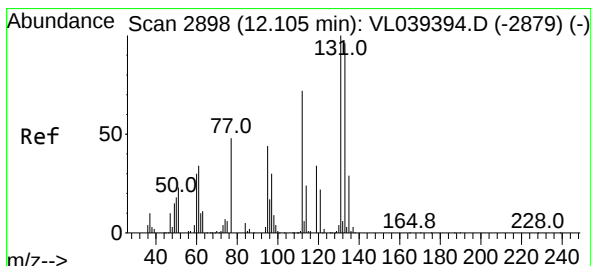
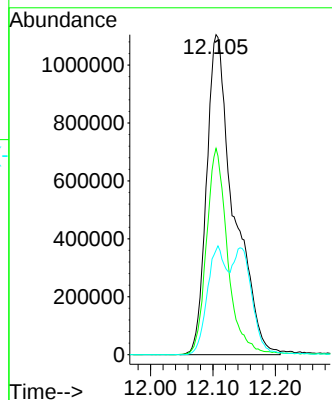
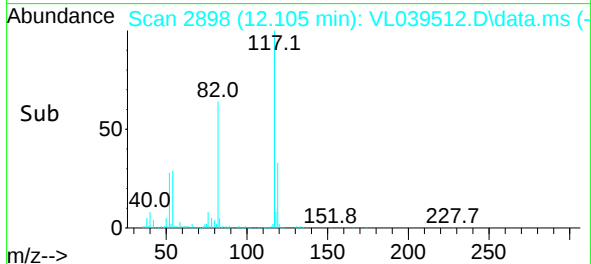
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



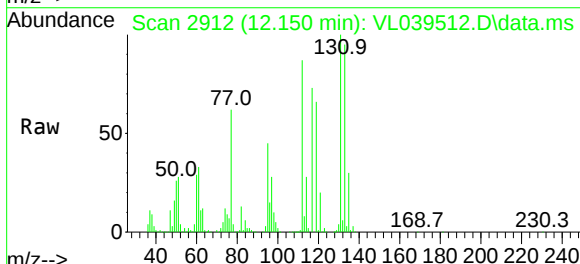
Tgt Ion:117 Resp: 334843
Ion Ratio Lower Upper
117 100
82 50.9 50.8 76.2
119 21.8 24.1 36.1

Manual Integrations
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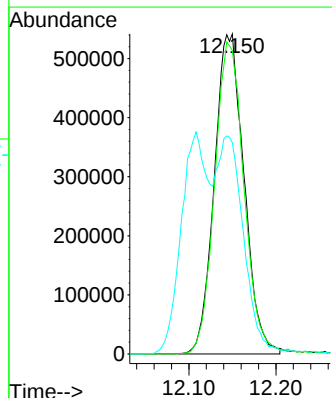
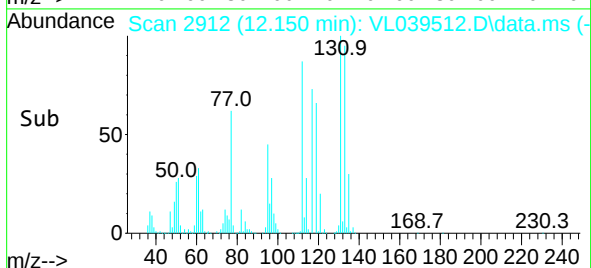
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

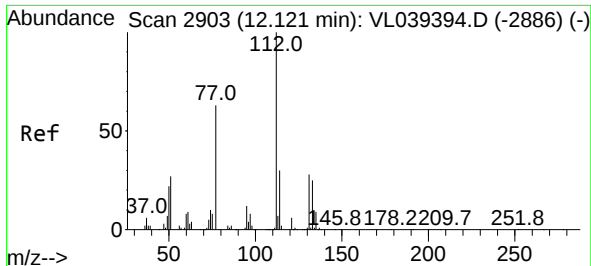


#56
1,1,1,2-Tetrachloroethane
Concen: 8.684 ppbv m
RT: 12.150 min Scan# 2912
Delta R.T. 0.045 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57



Tgt Ion:131 Resp: 1284510
Ion Ratio Lower Upper
131 100
133 97.5 76.8 115.2
119 66.1 46.2 69.4





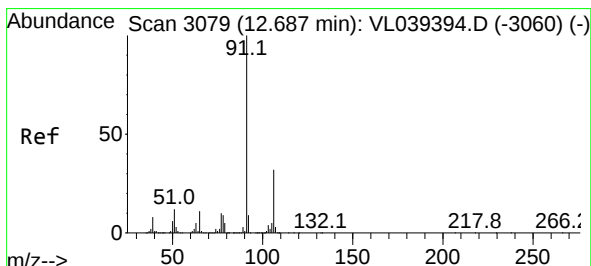
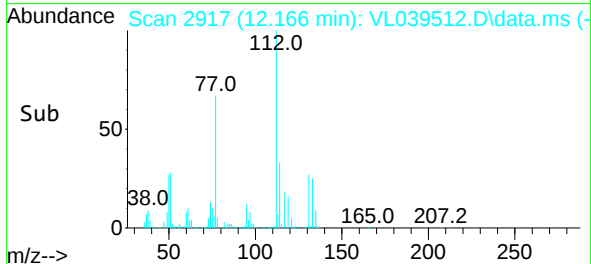
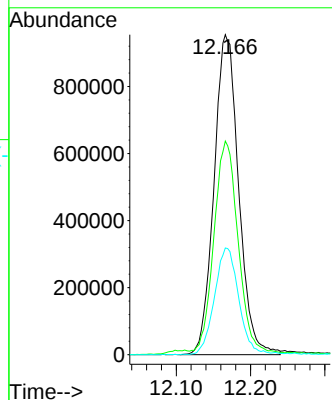
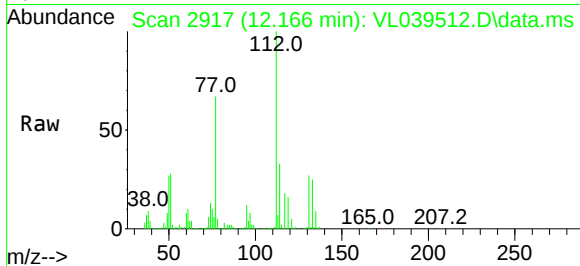
#57
Chlorobenzene
Concen: 8.476 ppbv
RT: 12.166 min Scan# 2917
Delta R.T. 0.045 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01

Tgt Ion:112 Resp: 2200412
Ion Ratio Lower Upper
112 100
77 66.0 51.0 76.4
114 33.3 27.5 33.6

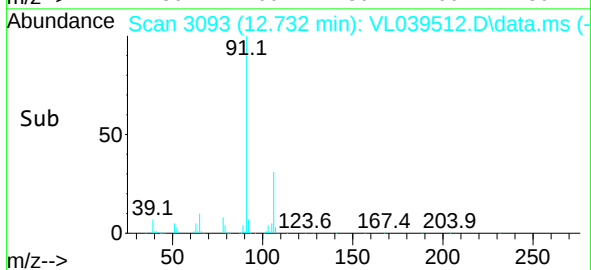
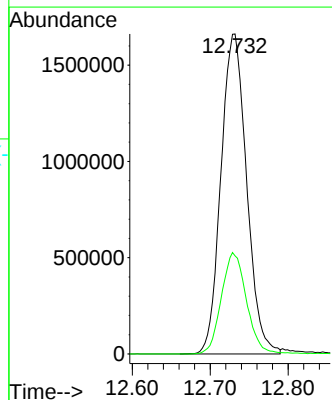
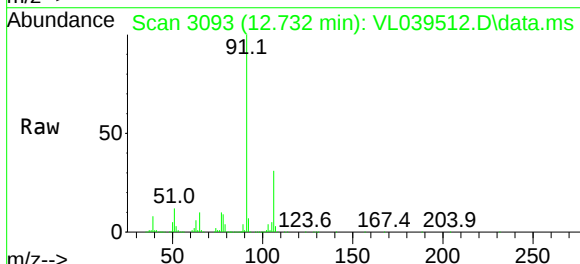
Manual Integrations
APPROVED

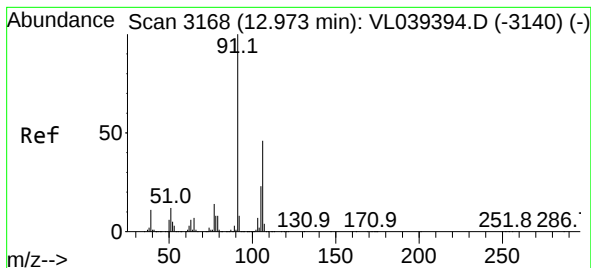
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022



#58
Ethyl Benzene
Concen: 8.803 ppbv
RT: 12.732 min Scan# 3093
Delta R.T. 0.045 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

Tgt Ion: 91 Resp: 3806259
Ion Ratio Lower Upper
91 100
106 30.6 25.4 38.0





#59

m/p-Xylene

Concen: 17.284 ppbv m

RT: 13.018 min Scan# 3168

Delta R.T. 0.045 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL0720ABS01

Tgt Ion: 91 Resp: 658822

Ion Ratio Lower Upper

91 100

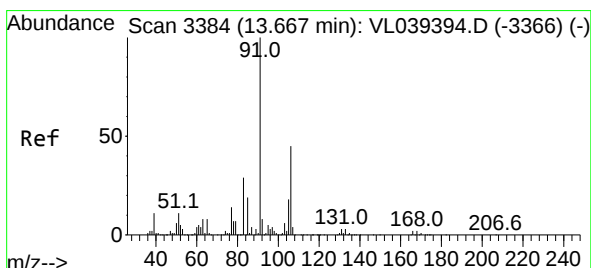
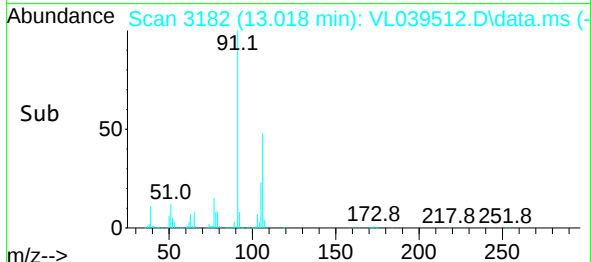
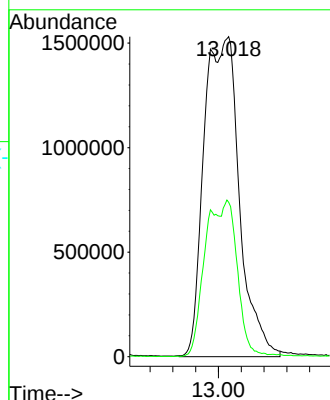
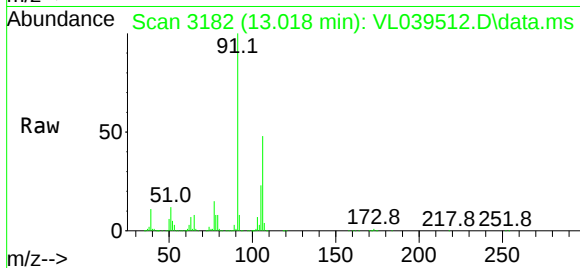
106 44.9 35.4 53.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/21/2022

Supervised By :Mahesh Dadoda 07/21/2022



#60

o-Xylene

Concen: 8.761 ppbv

RT: 13.713 min Scan# 3398

Delta R.T. 0.045 min

Lab File: VL039512.D

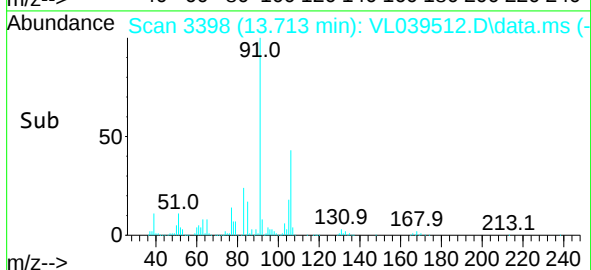
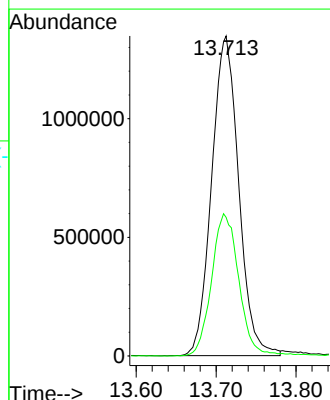
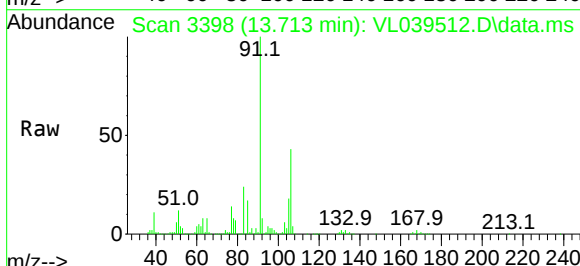
Acq: 20 Jul 2022 15:57

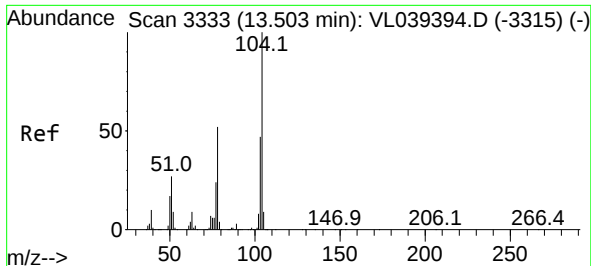
Tgt Ion: 91 Resp: 3162149

Ion Ratio Lower Upper

91 100

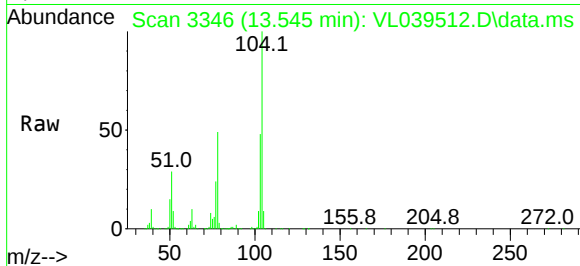
106 45.5 22.4 67.3





#61
Styrene
Concen: 9.500 ppbv
RT: 13.545 min Scan# 31
Delta R.T. 0.042 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

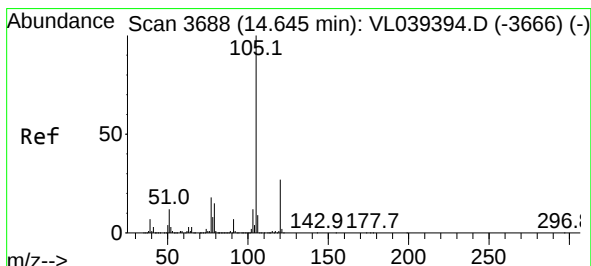
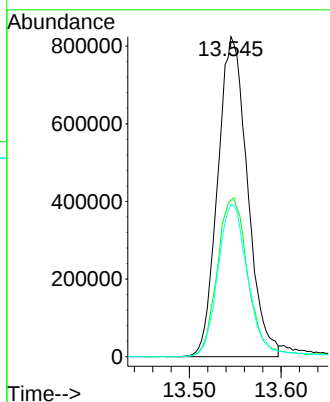
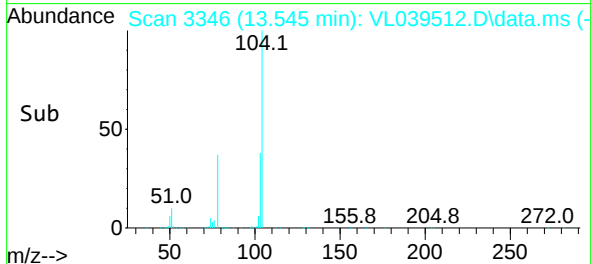
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



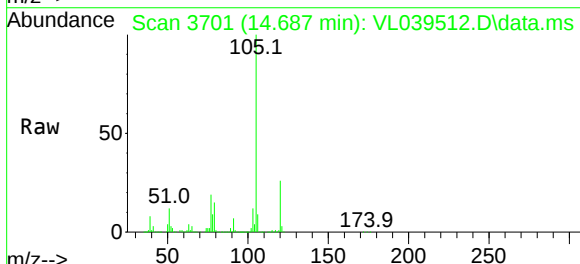
Tgt Ion:104 Resp: 1857540
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 48.9 38.7 58.1

Manual Integrations
APPROVED

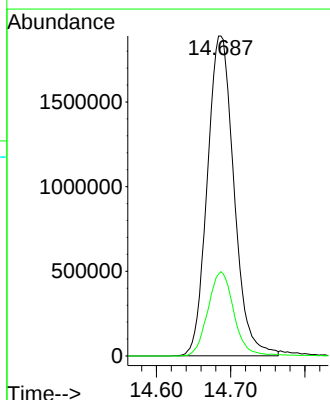
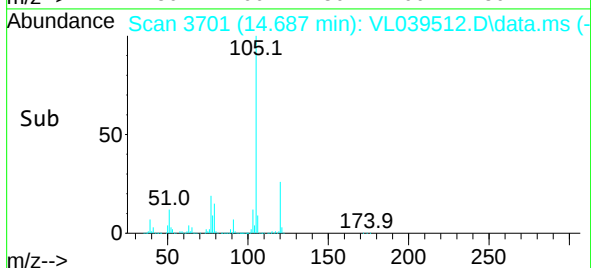
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

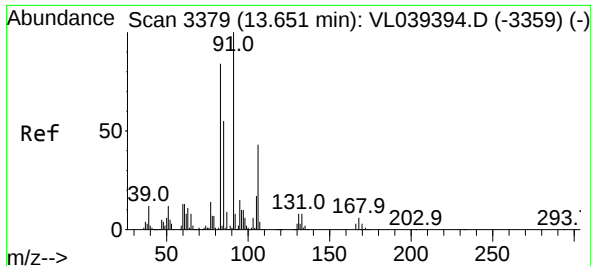


#62
Isopropylbenzene
Concen: 8.577 ppbv
RT: 14.687 min Scan# 3701
Delta R.T. 0.042 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57



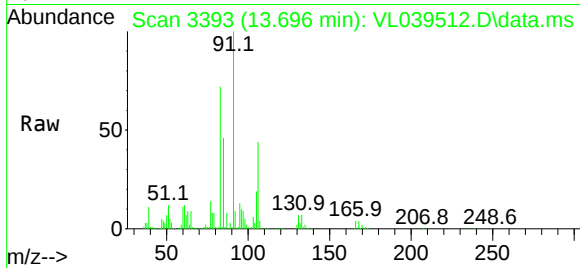
Tgt Ion:105 Resp: 4714514
Ion Ratio Lower Upper
105 100
120 25.8 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 7.738 ppbv
RT: 13.696 min Scan# 31
Delta R.T. 0.045 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57

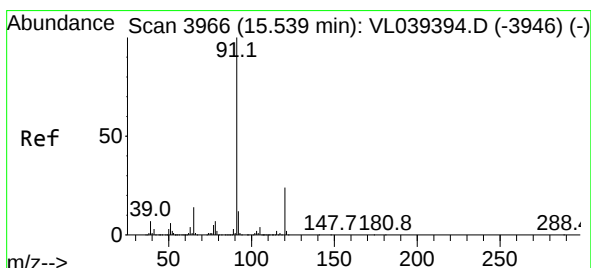
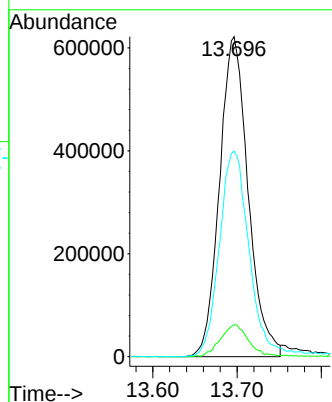
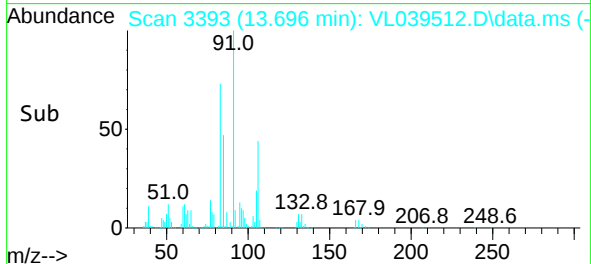
Instrument :
MSVOA_L
ClientSampleId :
VL0720ABS01



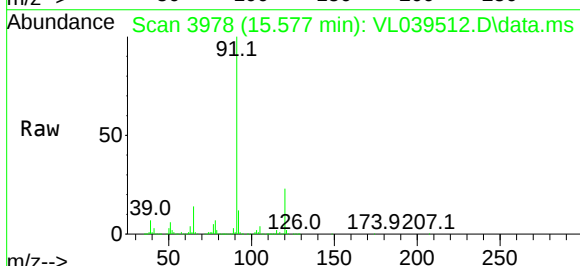
Tgt Ion: 83 Resp: 1463900
Ion Ratio Lower Upper
83 100
131 10.1 5.3 15.8
85 68.9 33.1 99.5

Manual Integrations
APPROVED

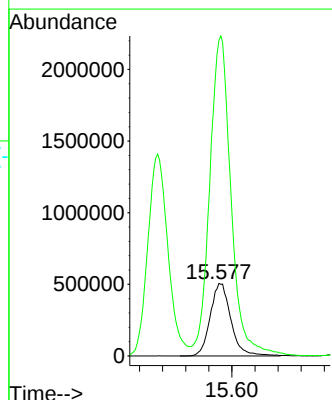
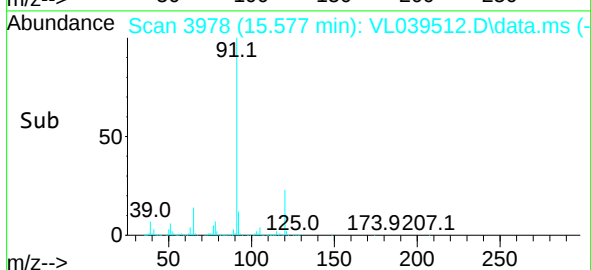
Reviewed By :Semsettin Yesilyurt 07/21/2022
Supervised By :Mahesh Dadoda 07/21/2022

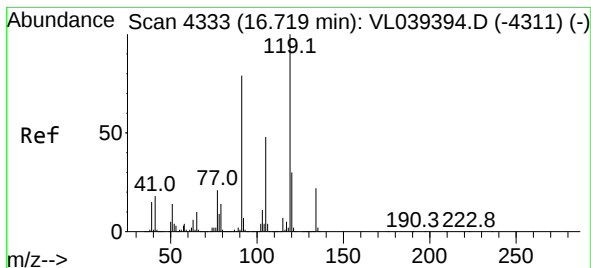


#64
n-propylbenzene
Concen: 9.001 ppbv
RT: 15.577 min Scan# 3978
Delta R.T. 0.039 min
Lab File: VL039512.D
Acq: 20 Jul 2022 15:57



Tgt Ion:120 Resp: 1254014
Ion Ratio Lower Upper
120 100
91 454.9 367.2 550.8





#65

tert-Butylbenzene

Concen: 8.551 ppbv

RT: 16.761 min Scan# 41

Delta R.T. 0.042 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL0720ABS01

Tgt Ion:119 Resp: 434322

Ion Ratio Lower Upper

119 100

91 79.1 63.4 95.2

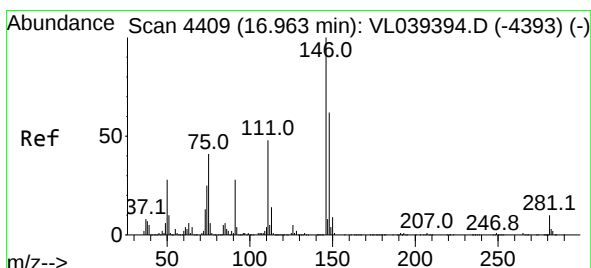
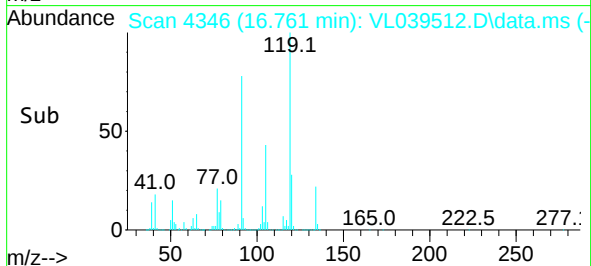
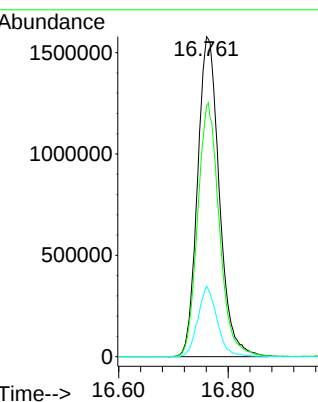
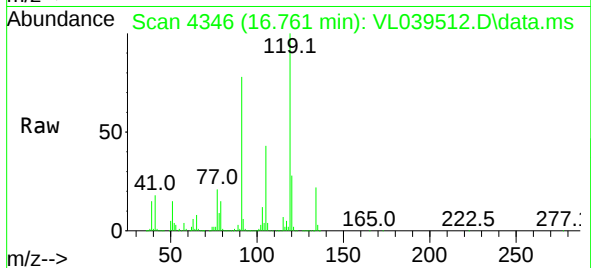
134 19.6 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/21/2022

Supervised By :Mahesh Dadoda 07/21/2022



#66

Benzyl Chloride

Concen: 8.986 ppbv

RT: 17.008 min Scan# 4423

Delta R.T. 0.045 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

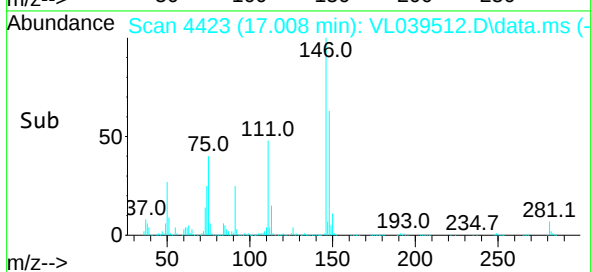
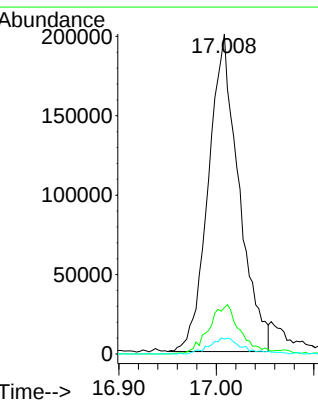
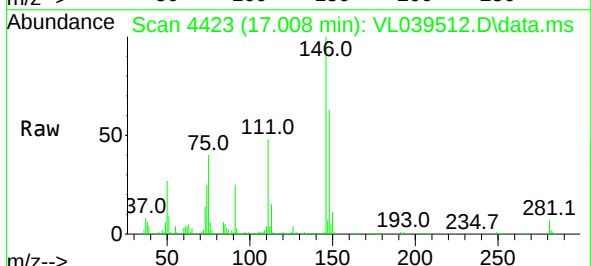
Tgt Ion: 91 Resp: 433721

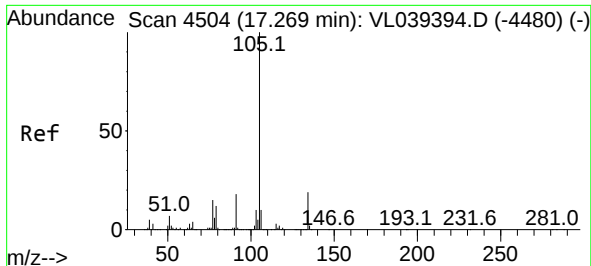
Ion Ratio Lower Upper

91 100

126 16.6 13.1 19.7

128 5.7 4.4 6.6





#67

sec-Butylbenzene

Concen: 8.604 ppbv

RT: 17.314 min Scan# 41

Delta R.T. 0.045 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL0720ABS01

Tgt Ion:105 Resp: 5886500

Ion Ratio Lower Upper

105 100

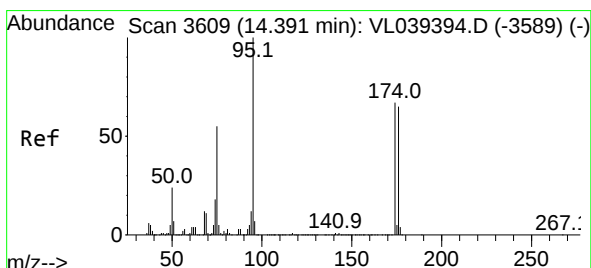
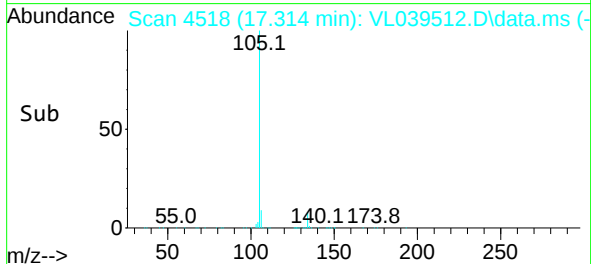
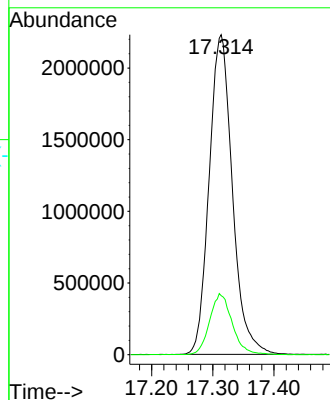
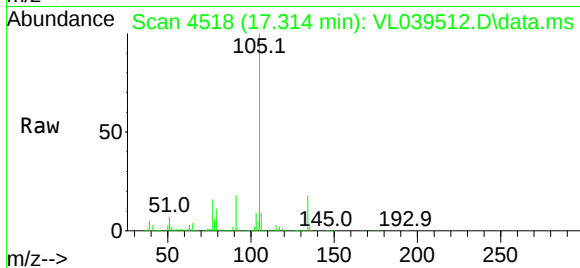
134 18.6 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/21/2022

Supervised By :Mahesh Dadoda 07/21/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 8.433 ppbv

RT: 14.433 min Scan# 3622

Delta R.T. 0.042 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

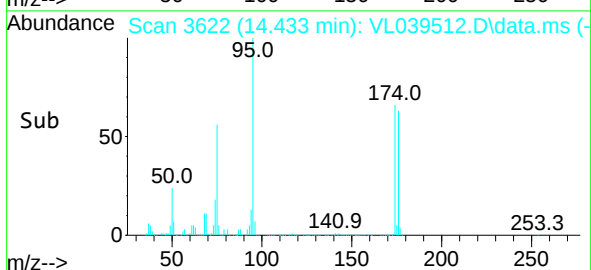
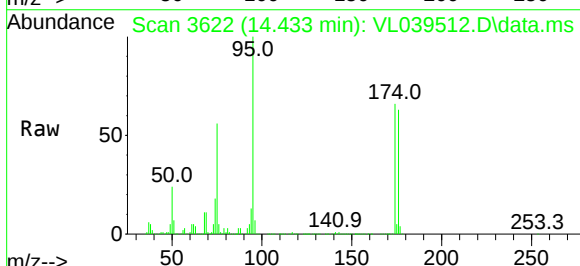
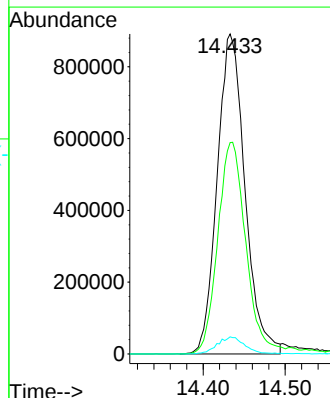
Tgt Ion: 95 Resp: 2094901

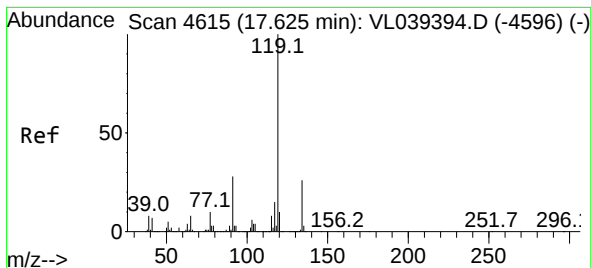
Ion Ratio Lower Upper

95 100

174 69.3 55.9 83.9

175 5.4 4.2 6.4





#69

p-Isopropyltoluene

Concen: 8.776 ppbv

RT: 17.671 min Scan# 407

Delta R.T. 0.045 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL0720ABS01

Tgt Ion:119 Resp: 5094738

Ion Ratio Lower Upper

119 100

134 25.1 20.3 30.5

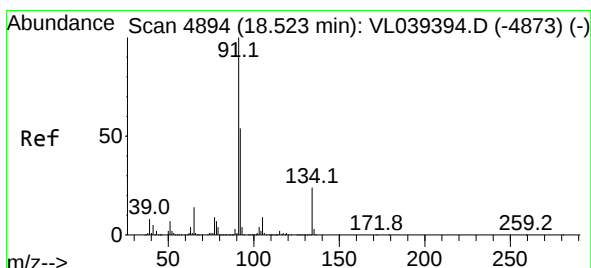
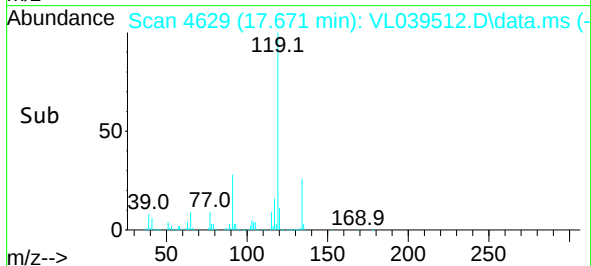
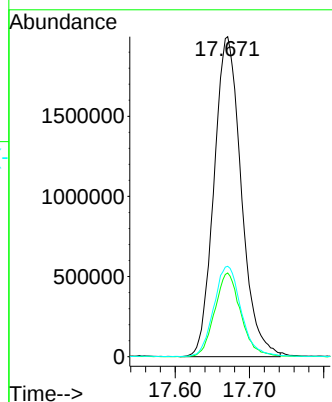
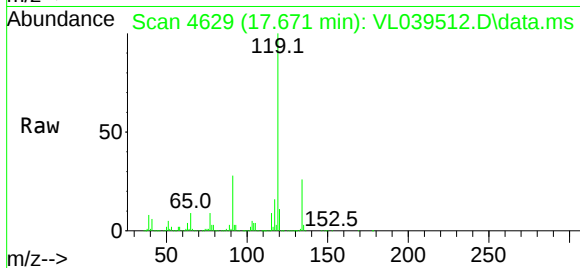
91 28.4 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/21/2022

Supervised By :Mahesh Dadoda 07/21/2022



#70

n-Butylbenzene

Concen: 8.794 ppbv

RT: 18.564 min Scan# 4907

Delta R.T. 0.042 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

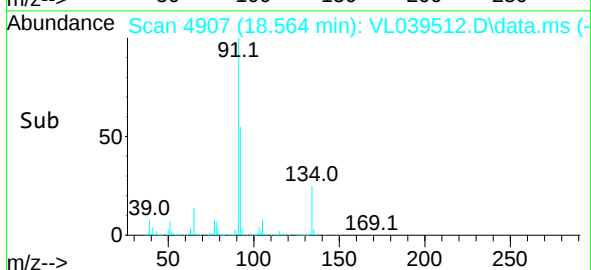
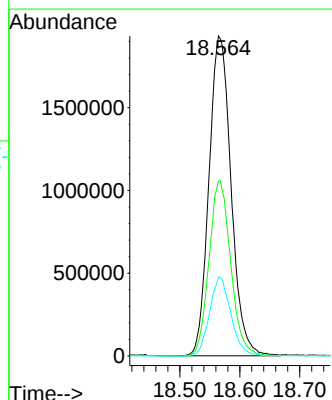
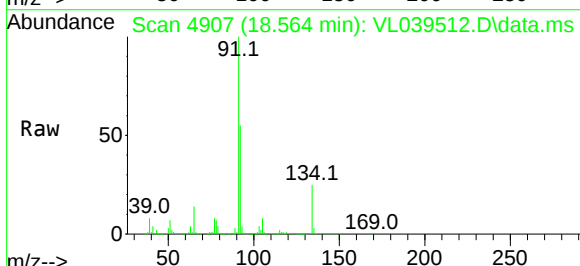
Tgt Ion: 91 Resp: 4954551

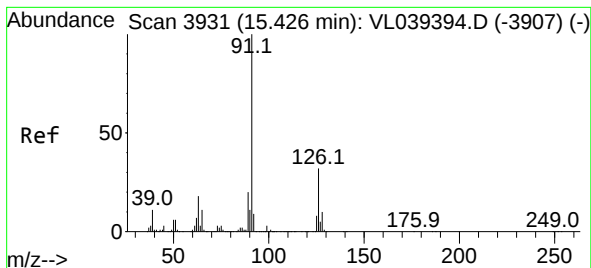
Ion Ratio Lower Upper

91 100

92 53.9 43.4 65.2

134 23.8 18.9 28.3





#71

2-Chlorotoluene

Concen: 8.705 ppbv

RT: 15.471 min Scan# 3931

Delta R.T. 0.045 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL0720ABS01

Tgt Ion: 91 Resp: 342467

Ion Ratio Lower Upper

91 100

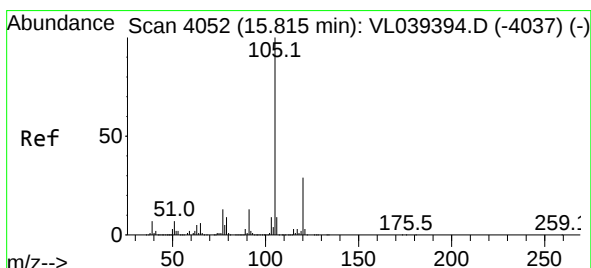
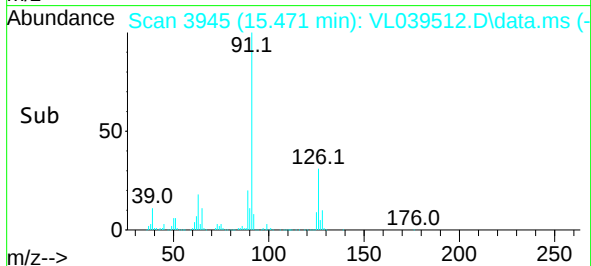
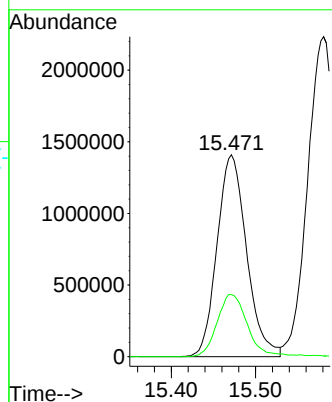
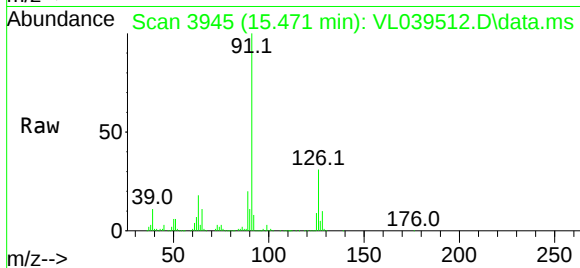
126 32.4 13.0 51.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/21/2022

Supervised By :Mahesh Dadoda 07/21/2022



#72

4-Ethyltoluene

Concen: 9.078 ppbv

RT: 15.857 min Scan# 4065

Delta R.T. 0.042 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Tgt Ion:105 Resp: 3852624

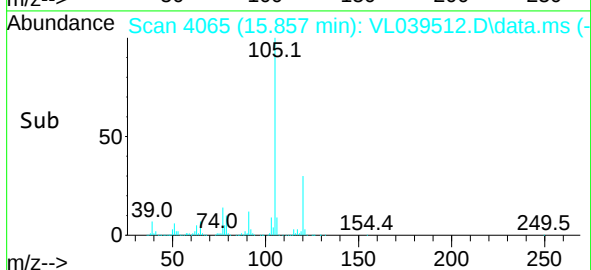
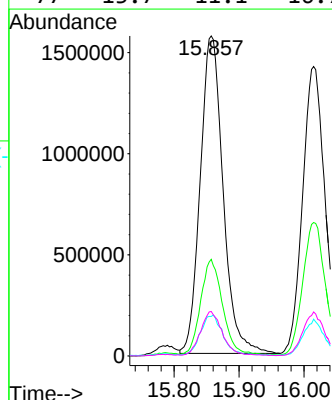
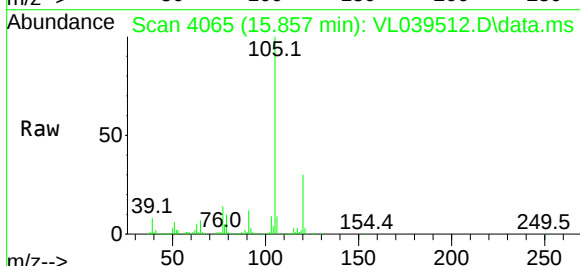
Ion Ratio Lower Upper

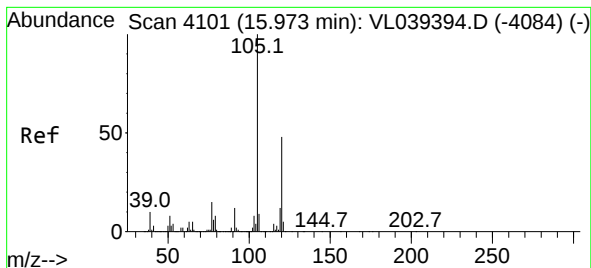
105 100

120 29.7 24.2 36.2

91 12.5 10.2 15.4

77 13.7 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 9.187 ppbv

RT: 16.015 min Scan# 4101

Delta R.T. 0.042 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL0720ABS01

Tgt Ion:105 Resp: 358088

Ion Ratio Lower Upper

105 100

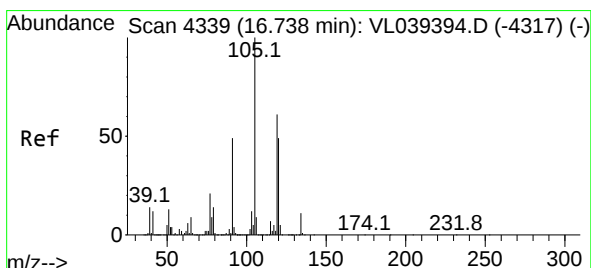
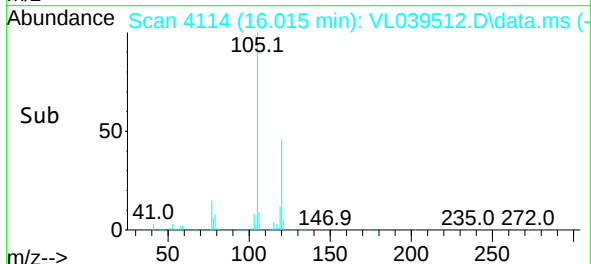
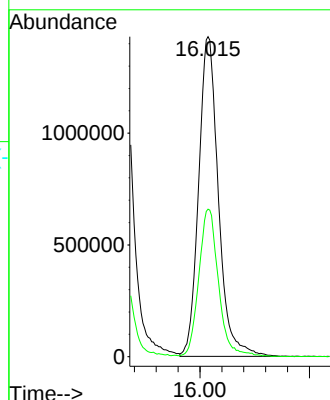
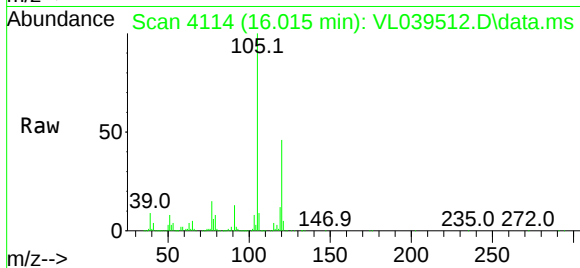
120 46.1 38.2 57.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/21/2022

Supervised By :Mahesh Dadoda 07/21/2022



#74

1,2,4-Trimethylbenzene

Concen: 8.725 ppbv

RT: 16.780 min Scan# 4352

Delta R.T. 0.042 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Tgt Ion:105 Resp: 3761891

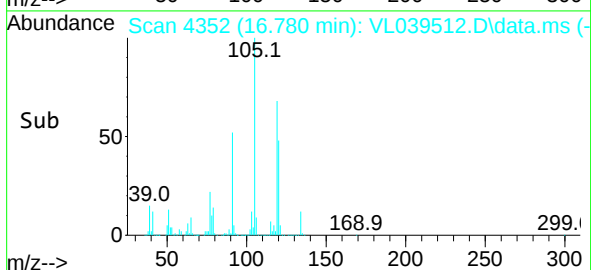
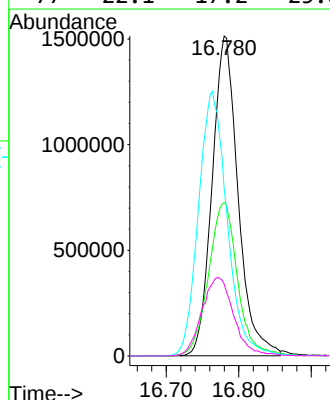
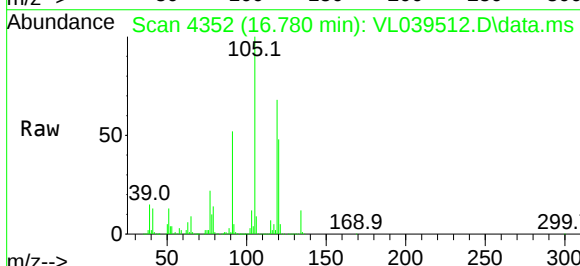
Ion Ratio Lower Upper

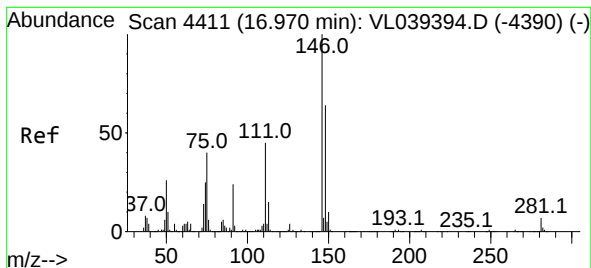
105 100

120 47.5 39.5 59.3

91 51.5 39.2 58.8

77 22.1 17.2 25.8





#75

1,3-Dichlorobenzene

Concen: 8.742 ppbv

RT: 17.018 min Scan# 4411

Delta R.T. 0.048 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL0720ABS01

Tgt Ion:146 Resp: 224856

Ion Ratio Lower Upper

146 100

111 45.6 22.9 68.7

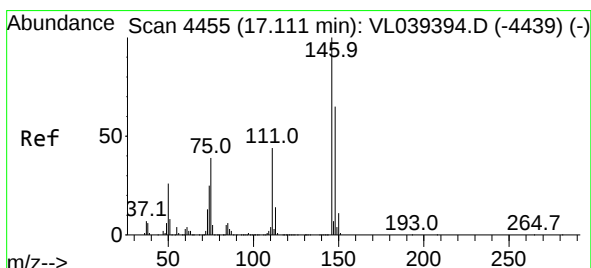
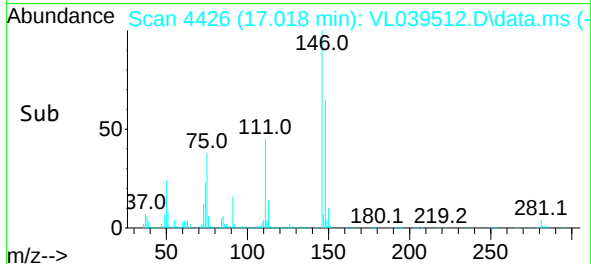
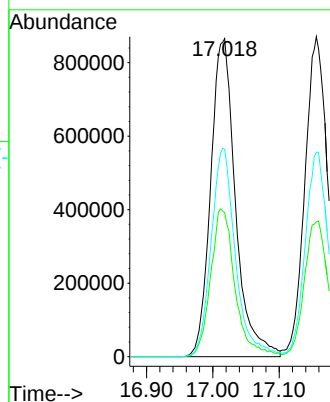
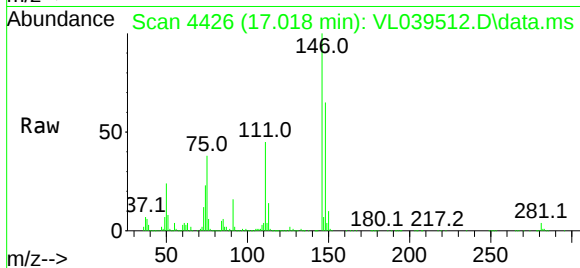
148 64.4 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/21/2022

Supervised By :Mahesh Dadoda 07/21/2022



#76

1,4-Dichlorobenzene

Concen: 8.619 ppbv

RT: 17.156 min Scan# 4469

Delta R.T. 0.045 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

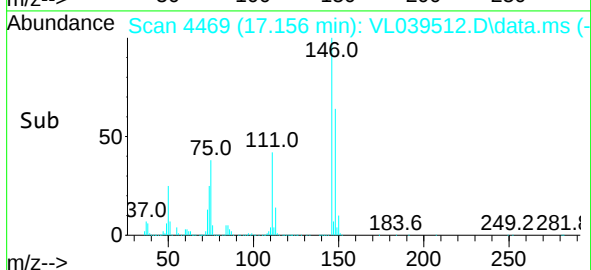
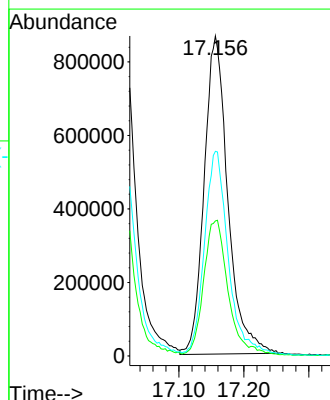
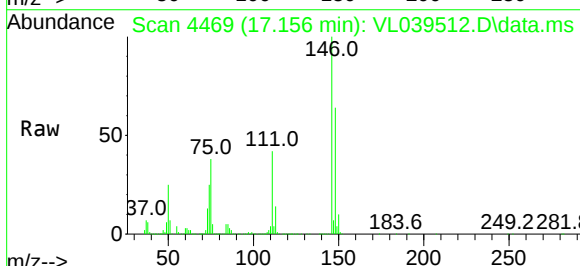
Tgt Ion:146 Resp: 2197212

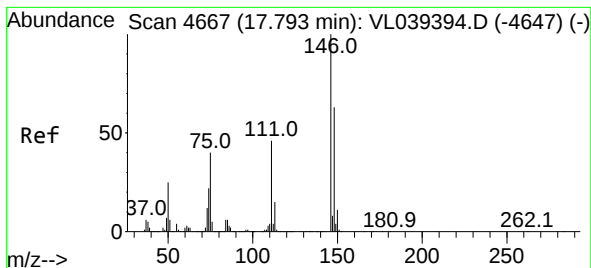
Ion Ratio Lower Upper

146 100

111 44.5 22.9 68.8

148 65.7 33.6 100.8





#77

1,2-Dichlorobenzene

Concen: 8.455 ppbv

RT: 17.835 min Scan# 4667

Delta R.T. 0.042 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL0720ABS01

Tgt Ion:146 Resp: 215558

Ion Ratio Lower Upper

146 100

111 47.1 23.8 71.5

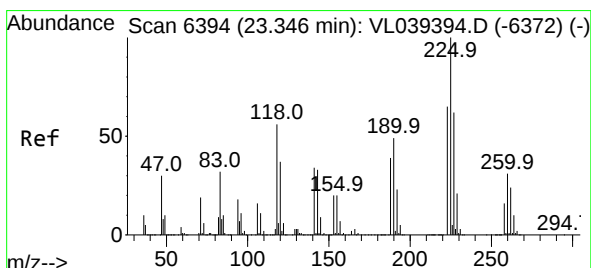
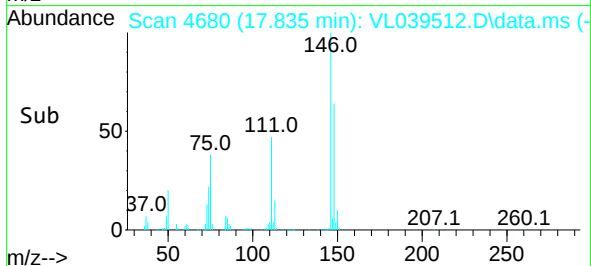
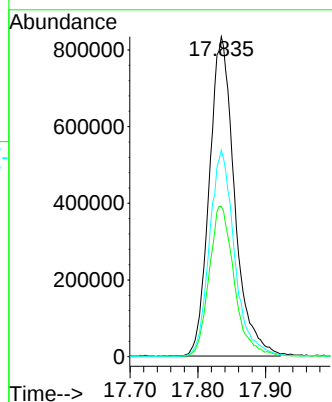
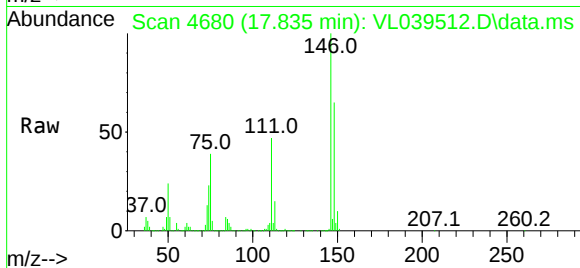
148 64.6 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/21/2022

Supervised By :Mahesh Dadoda 07/21/2022



#78

Hexachloro-1,3-Butadiene

Concen: 7.574 ppbv m

RT: 23.387 min Scan# 6407

Delta R.T. 0.042 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

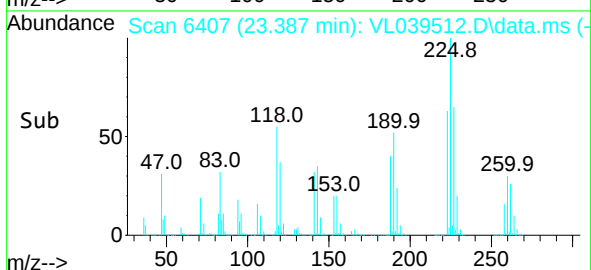
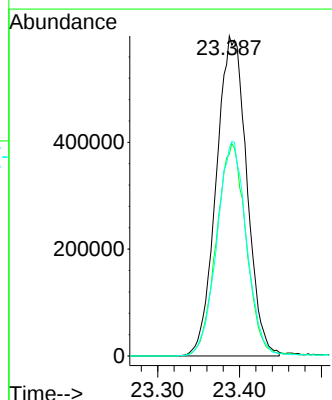
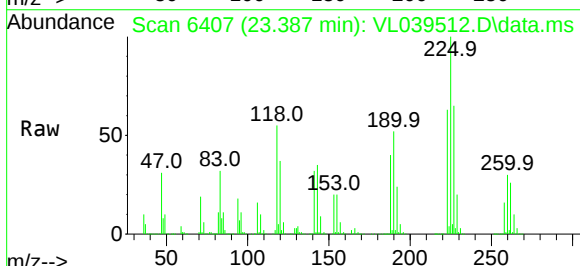
Tgt Ion:225 Resp: 1552903

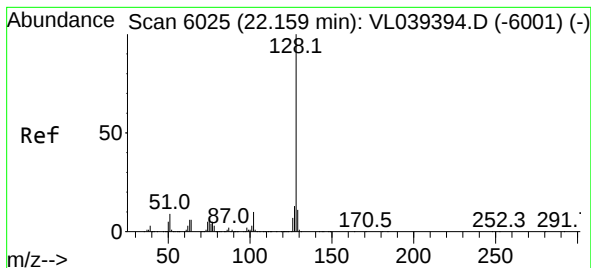
Ion Ratio Lower Upper

225 100

223 65.3 51.8 77.6

227 65.2 51.4 77.2





#79

Naphthalene

Concen: 10.098 ppbv

RT: 22.214 min Scan# 6025

Delta R.T. 0.055 min

Lab File: VL039512.D

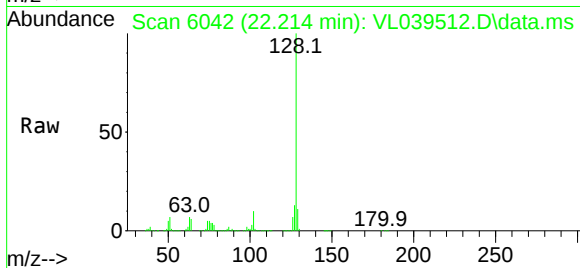
Acq: 20 Jul 2022 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL0720ABS01



Tgt Ion:128 Resp: 299635

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

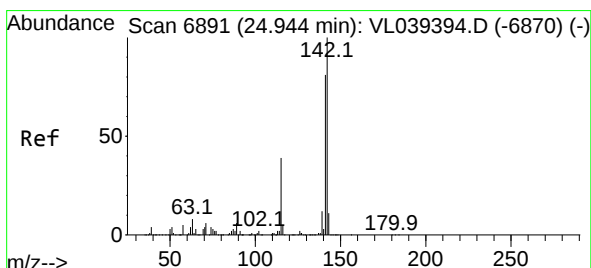
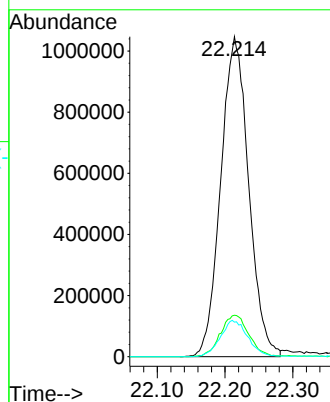
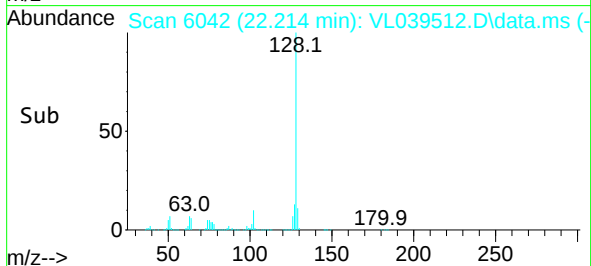
129 10.8 8.8 13.2

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#80

Naphthalene,2-methyl-

Concen: 11.067 ppbv

RT: 24.982 min Scan# 6903

Delta R.T. 0.039 min

Lab File: VL039512.D

Acq: 20 Jul 2022 15:57

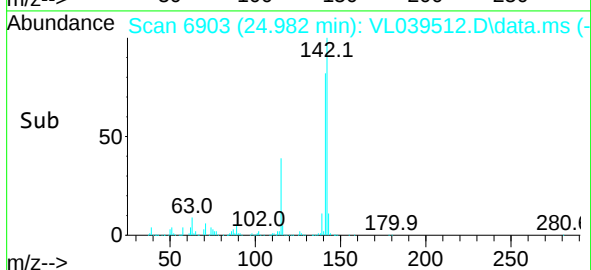
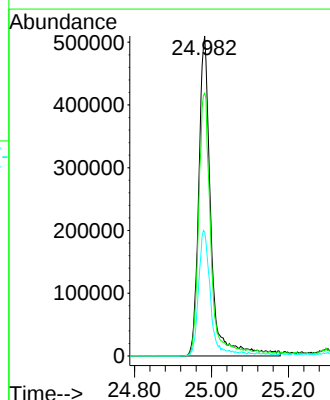
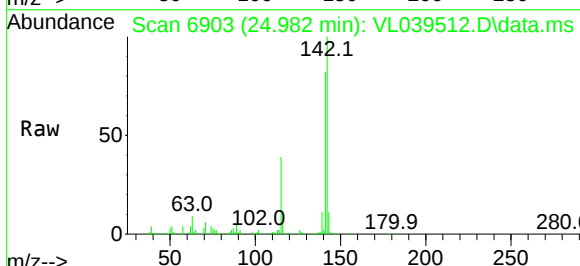
Tgt Ion:142 Resp: 1117721

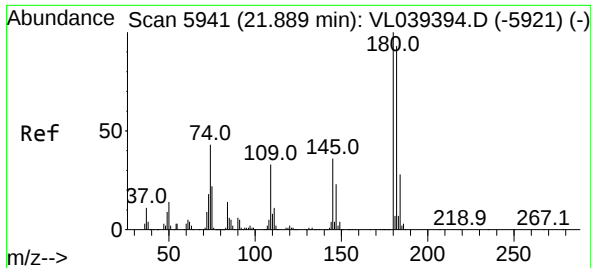
Ion Ratio Lower Upper

142 100

141 85.7 68.9 103.3

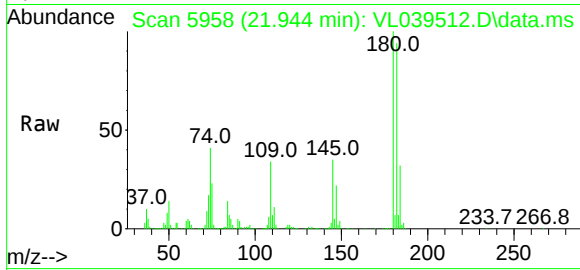
115 39.8 30.0 45.0





#81
 1,2,4-Trichlorobenzene
 Concen: 8.966 ppbv
 RT: 21.944 min Scan# 5958
 Delta R.T. 0.055 min
 Lab File: VL039512.D
 Acq: 20 Jul 2022 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0720ABS01



Tgt Ion:180 Resp: 173295
 Ion Ratio Lower Upper
 180 100
 182 98.1 77.1 115.7
 184 31.1 24.3 36.5

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