

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022723\
 Data File : VL040235.D
 Acq On : 27 Feb 2023 14:37
 Operator : SY/MD
 Sample : VL0227ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS02

Quant Time: Feb 28 00:18:59 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Tue Feb 28 00:12:21 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/28/2023
 Supervised By : Mahesh Dadoda 02/28/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	905357	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2353751	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2244241	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 1791361 9.707 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1538156	9.116	ppbv	98
3) Chlorodifluoromethane	2.665	51	1097218	10.145	ppbv	99
4) Chloromethane	2.803	50	700811	10.316	ppbv	98
5) Vinyl Chloride	2.909	62	593310	10.868	ppbv	99
6) Bromomethane	3.108	94	204335	10.370	ppbv	100
7) Chloroethane	3.189	64	216636	10.007	ppbv	96
8) Dichlorotetrafluoroethane	2.845	85	1506540	10.362	ppbv	100
9) Propene	2.681	41	444042	10.072	ppbv	99
10) Heptane	7.581	43	1134534	10.812	ppbv	100
11) Trichlorofluoromethane	3.555	101	1569893	10.369	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	1176790	10.536	ppbv	98
13) Ethanol	3.234	45	30571m	7.533	ppbv	
14) Bromoethene	3.356	108	467811	10.922	ppbv	100
15) Acetone	3.459	43	1044739	9.585	ppbv	100
16) 1,3-Butadiene	2.973	39	530350	10.654	ppbv	99
17) tert-Butyl alcohol	3.867	59	1078667	10.851	ppbv	100
18) 1,1-Dichloroethene	3.870	96	516065	10.634	ppbv	99
19) Isopropyl Alcohol	3.565	45	505969	9.765	ppbv	99
20) Methylene Chloride	3.925	84	436347	7.690	ppbv	94
21) Allyl Chloride	3.989	41	721746	10.796	ppbv	98
22) trans-1,2-Dichloroethene	4.440	96	548940	10.923	ppbv	96
23) Vinyl Acetate	4.620	43	343856	10.395	ppbv	98
24) 1,1-Dichloroethane	4.559	63	1095988	10.600	ppbv	99
25) Ethyl Acetate	5.198	43	2046695	10.101	ppbv	100
26) Hexane	5.208	57	867260	9.970	ppbv	99
27) Carbon Disulfide	4.118	76	1301625	11.792	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	971094	10.419	ppbv	99
29) Chloroform	5.272	83	1495648	10.014	ppbv	98
30) Cyclohexane	6.600	84	732880	10.730	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	826927	10.005	ppbv	97
32) 1,1,1-Trichloroethane	5.999	97	1530971	10.910	ppbv	100
34) 2-Butanone	4.780	43	1172473	10.098	ppbv	99
35) Carbon Tetrachloride	6.491	117	1588231	11.414	ppbv	100
36) Benzene	6.369	78	1858029	10.144	ppbv	99
37) 1,2-Dichloroethane	5.806	62	1185099	10.345	ppbv	98
38) Trichloroethene	7.292	130	1094949	10.848	ppbv	98
39) 1,2-Dichloropropane	7.073	63	720947	10.118	ppbv	93
40) 1,4-Dioxane	7.288	88	280080	9.826	ppbv	92
41) Tetrahydrofuran	5.555	42	697123	10.361	ppbv	99
42) Bromodichloromethane	7.250	83	1680564	10.628	ppbv	99
43) Methyl Methacrylate	7.478	69	741799	10.945	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	3111821	10.177	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	712930	11.858	ppbv	99

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Instrument :
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 ClientSampleId :
 VL0227ABS02

Quant Time: Feb 28 00:18:59 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Tue Feb 28 00:12:21 2023

Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/28/2023
 Supervised By : Mahesh Dadoda 02/28/2023

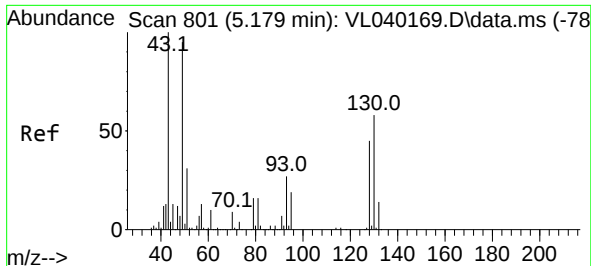
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.144	75	963558	11.504	ppbv	99
47) 1,1,2-Trichloroethane	8.902	97	782946	10.159	ppbv	97
48) Dibromochloromethane	9.716	129	1365082	11.074	ppbv	100
49) Bromoform	12.413	173	1048955	10.902	ppbv	100
50) 4-Methyl-2-Pentanone	8.182	43	1977428	10.969	ppbv	98
51) 2-Hexanone	9.552	43	1519515	10.960	ppbv #	99
52) Tetrachloroethene	10.619	164	613932	10.733	ppbv	97
53) Toluene	9.224	91	2114880	10.780	ppbv	99
54) 1,2-Dibromoethane	10.012	107	861389	10.742	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.513	131	962514	10.217	ppbv #	93
57) Chlorobenzene	11.533	112	1628195	9.930	ppbv	99
58) Ethyl Benzene	12.095	91	2900758	10.638	ppbv	98
59) m/p-Xylene	12.378	91	5020043m	20.786	ppbv	
60) o-Xylene	13.063	91	2440506	10.502	ppbv	100
61) Styrene	12.905	104	1353531	11.094	ppbv	99
62) Isopropylbenzene	14.037	105	3398506	10.189	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.057	83	796490	9.511	ppbv	99
64) n-propylbenzene	14.928	120	856441	10.374	ppbv	96
65) tert-Butylbenzene	16.098	119	2945038	10.157	ppbv	98
66) Benzyl Chloride	16.336	91	195546	10.135	ppbv	99
67) sec-Butylbenzene	16.642	105	4191614	10.080	ppbv	100
69) p-Isopropyltoluene	17.005	119	3334281	10.114	ppbv	99
70) n-Butylbenzene	17.896	91	3633483	10.155	ppbv	99
71) 2-Chlorotoluene	14.809	91	2603744	10.206	ppbv	99
72) 4-Ethyltoluene	15.201	105	2739557	10.664	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	2426502	10.151	ppbv	98
74) 1,2,4-Trimethylbenzene	16.121	105	2637072	10.044	ppbv	92
75) 1,3-Dichlorobenzene	16.339	146	1406042	9.785	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	1370049	9.730	ppbv	99
77) 1,2-Dichlorobenzene	17.153	146	1344467	9.420	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	892096	9.098	ppbv	99
79) Naphthalene	21.397	128	1801267	12.211	ppbv	98
80) Naphthalene,2-methyl-	24.381	142	369273	8.803	ppbv	98
81) 1,2,4-Trichlorobenzene	21.149	180	975582	10.569	ppbv	98

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

Manual Integrations APPROVED

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 28 00:12:21 2023
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.189 min Scan# 80

Delta R.T. 0.007 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

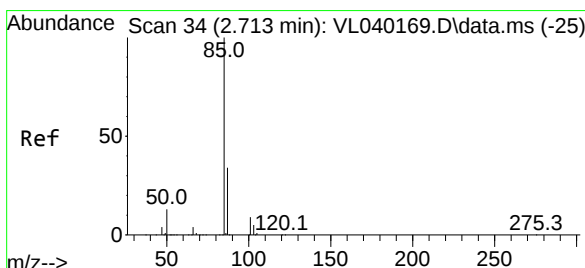
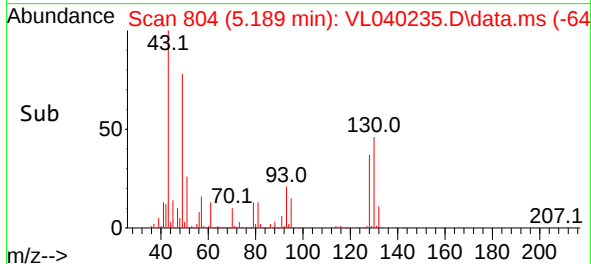
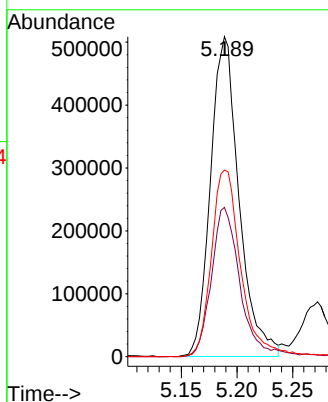
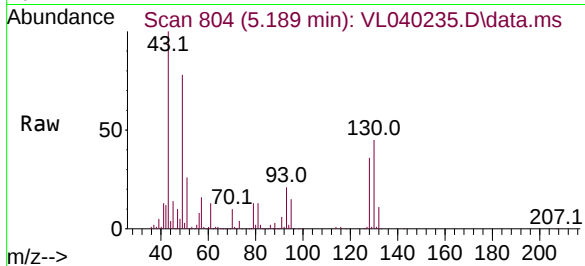
VL0227ABS02

Tgt Ion: 49 Resp: 90535
 Ion Ratio Lower Upper
 49 100
 128 48.1 24.1 72.3
 130 61.1 30.9 92.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2023
 Supervised By :Mahesh Dadoda 02/28/2023



#2

Dichlorodifluoromethane

Concen: 9.116 ppbv

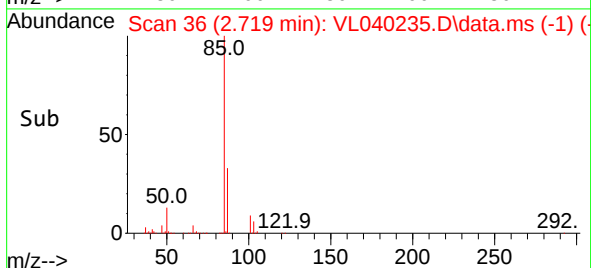
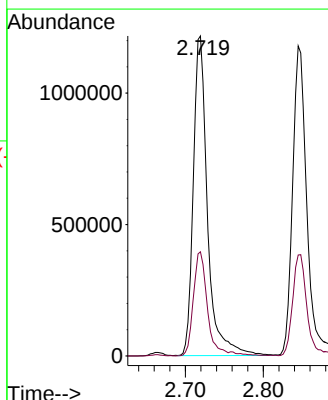
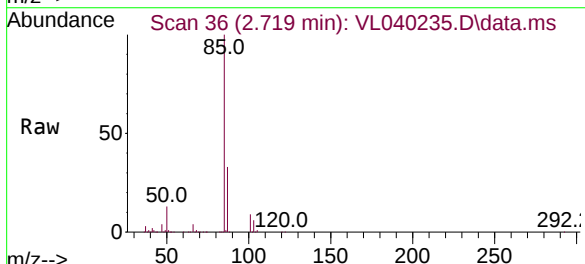
RT: 2.719 min Scan# 36

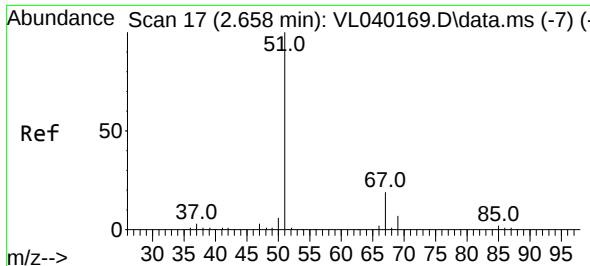
Delta R.T. 0.003 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

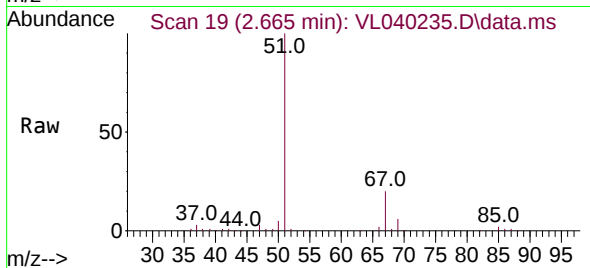
Tgt Ion: 85 Resp: 1538156
 Ion Ratio Lower Upper
 85 100
 87 32.6 27.0 40.6





#3
Chlorodifluoromethane
Concen: 10.145 ppbv
RT: 2.665 min Scan# 19
Delta R.T. 0.007 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

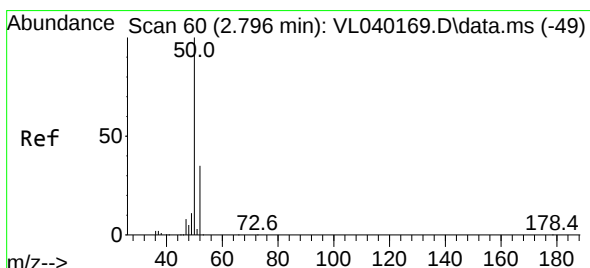
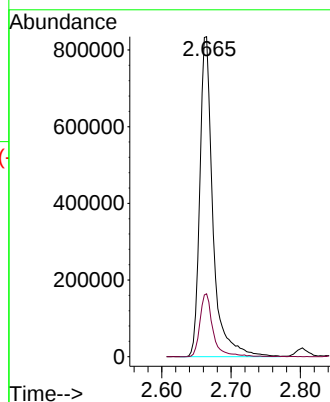
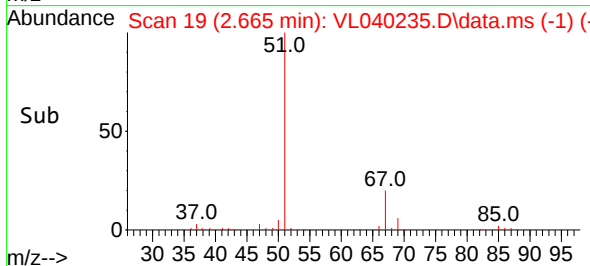
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



Tgt Ion: 51 Resp: 1097218
Ion Ratio Lower Upper
51 100
67 19.7 15.4 23.2

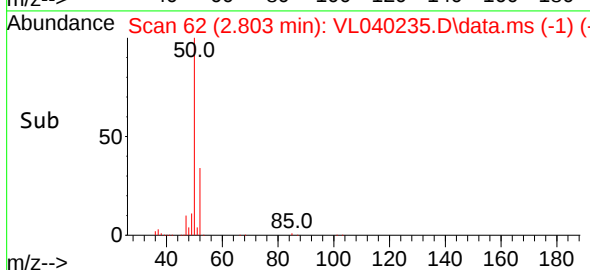
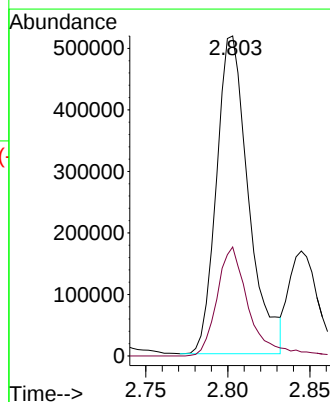
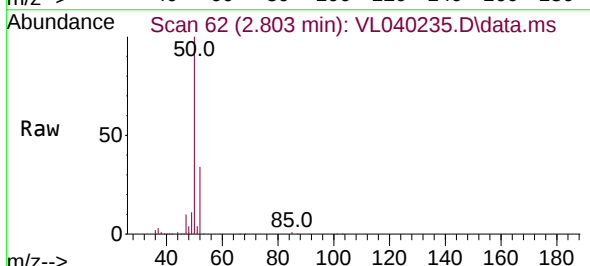
Manual Integrations
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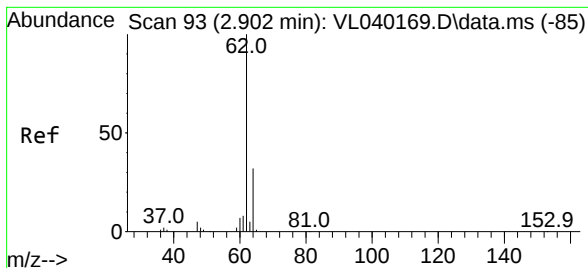
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#4
Chloromethane
Concen: 10.316 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.007 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

Tgt Ion: 50 Resp: 700811
Ion Ratio Lower Upper
50 100
52 34.3 28.3 42.5





#5
 Vinyl Chloride
 Concen: 10.868 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL040235.D
 Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

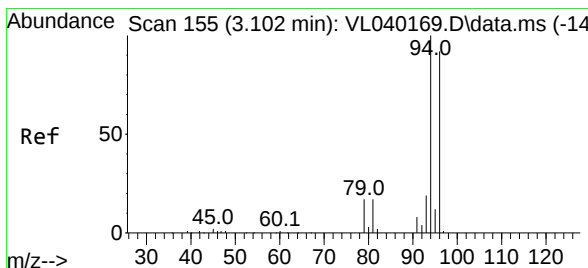
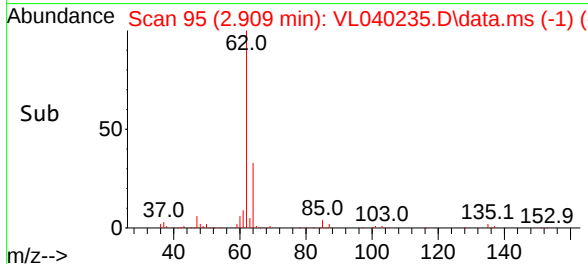
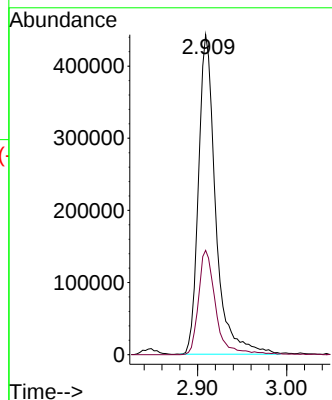
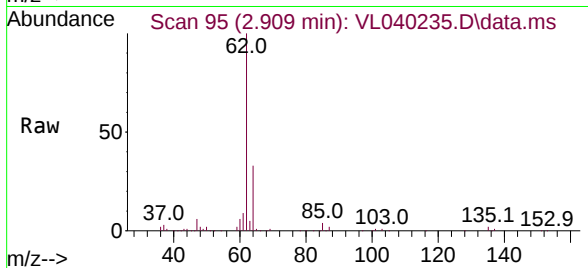
VL0227ABS02

Tgt Ion: 62 Resp: 593310
 Ion Ratio Lower Upper
 62 100
 64 32.6 25.6 38.4

Manual Integrations

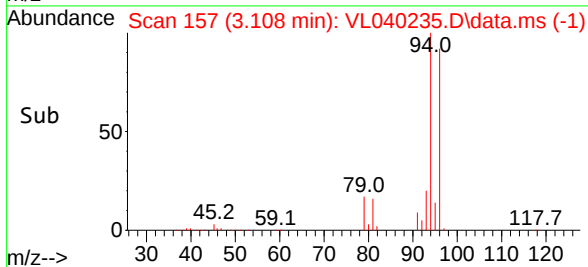
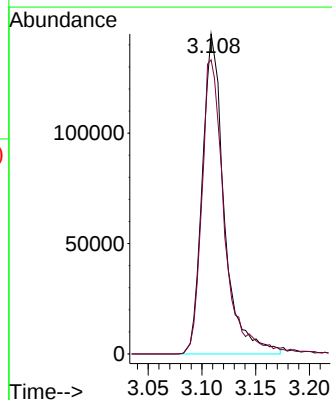
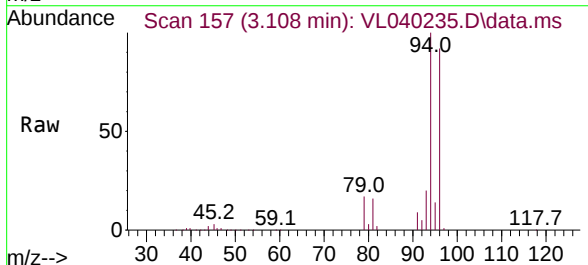
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Reviewed By :Semsettin Yesilyurt 02/28/2023
 Supervised By :Mahesh Dadoda 02/28/2023



#6
 Bromomethane
 Concen: 10.370 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.000 min
 Lab File: VL040235.D
 Acq: 27 Feb 2023 14:37

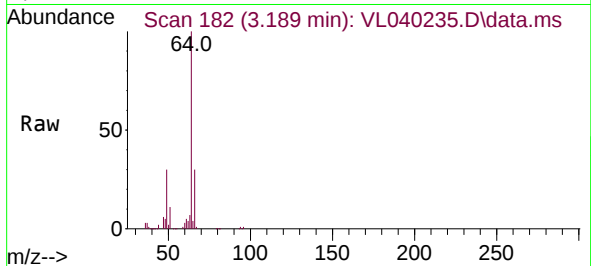
Tgt Ion: 94 Resp: 204335
 Ion Ratio Lower Upper
 94 100
 96 91.8 73.4 110.2





#7
Chloroethane
Concen: 10.007 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

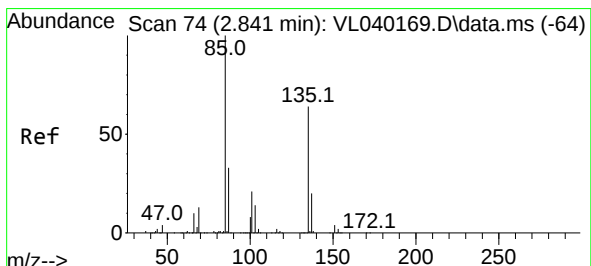
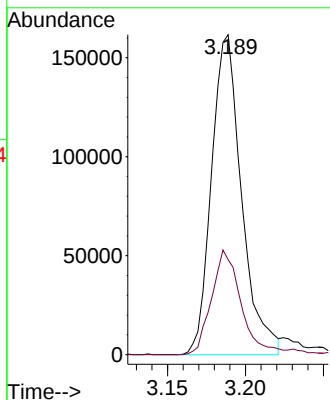
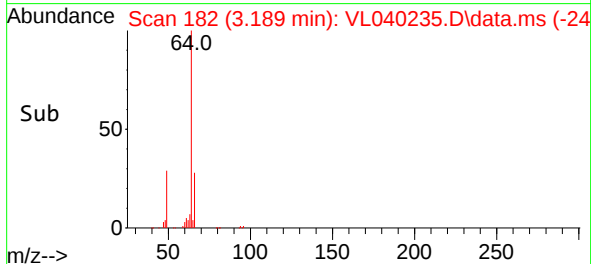
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



Tgt Ion: 64 Resp: 216630
Ion Ratio Lower Upper
64 100
66 29.7 25.4 38.2

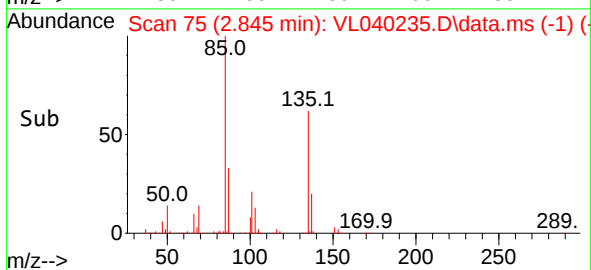
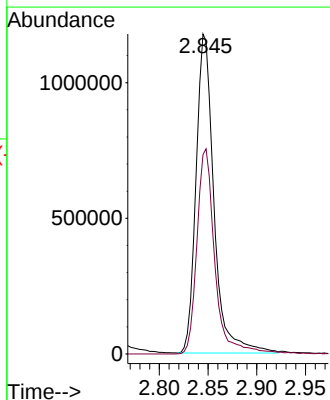
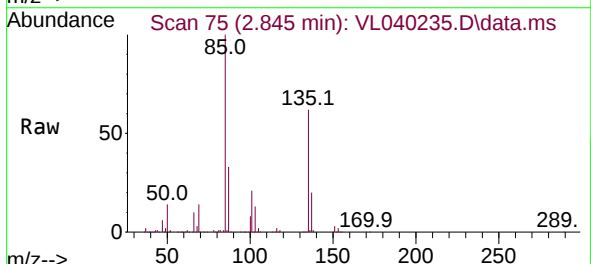
Manual Integrations
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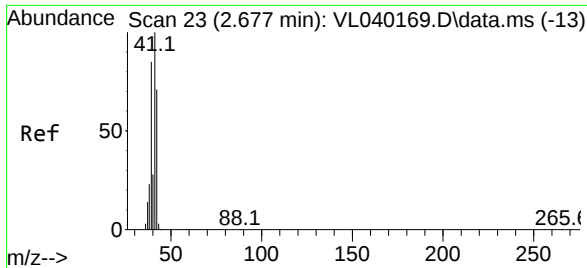
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#8
Dichlorotetrafluoroethane
Concen: 10.362 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

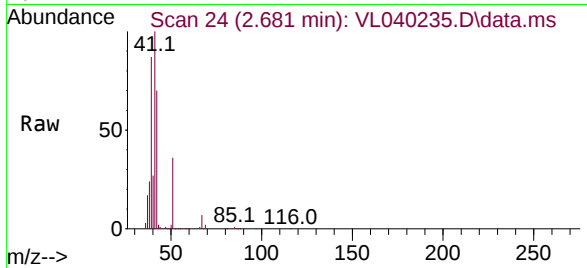
Tgt Ion: 85 Resp: 1506540
Ion Ratio Lower Upper
85 100
135 64.7 51.5 77.3





#9
Propene
Concen: 10.072 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.000 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

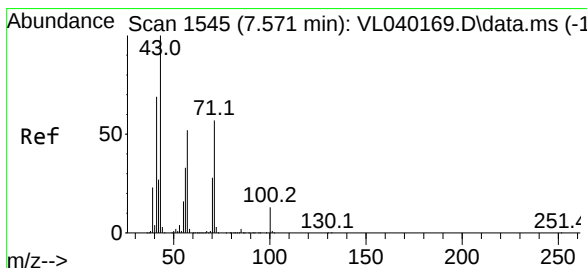
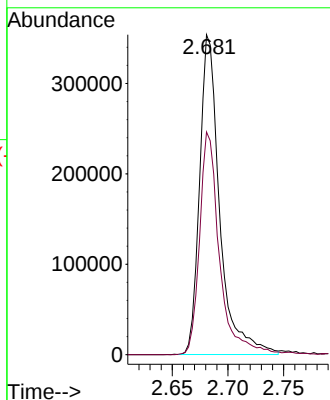
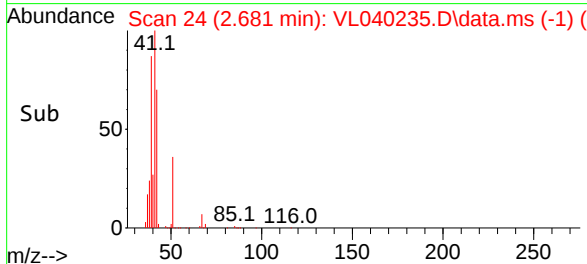
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



Tgt Ion: 41 Resp: 44404
Ion Ratio Lower Upper
41 100
42 70.0 56.9 85.3

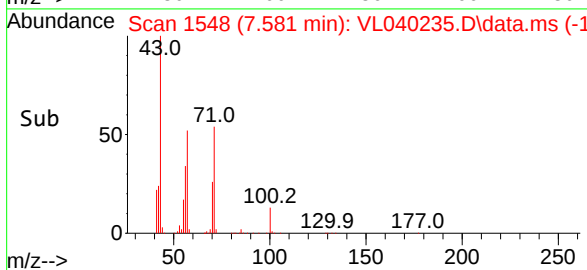
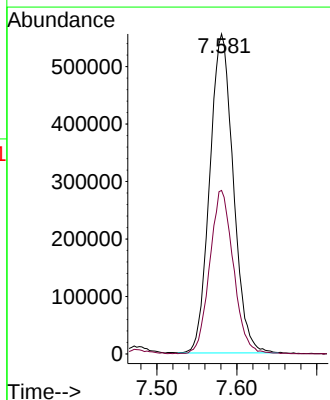
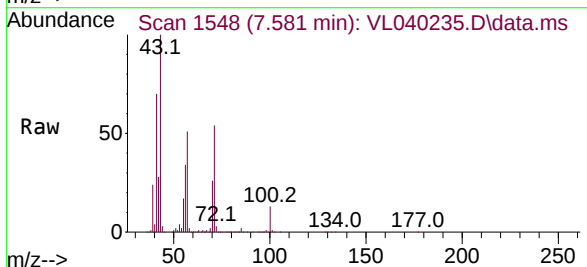
Manual Integrations
APPROVED

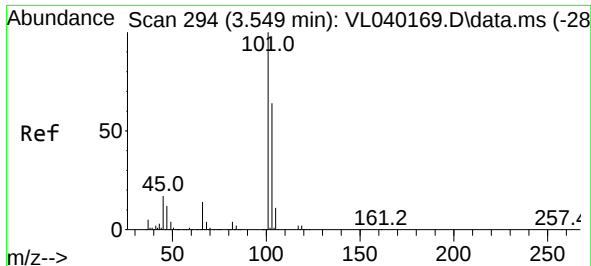
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#10
Heptane
Concen: 10.812 ppbv
RT: 7.581 min Scan# 1548
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

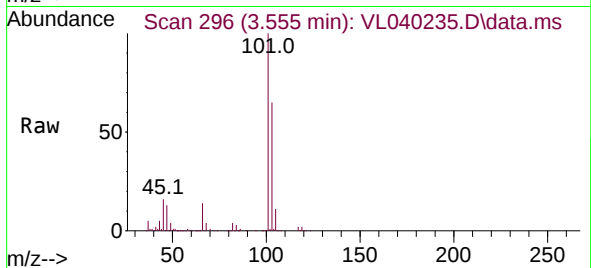
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Ion Ratio Lower Upper
43 100
57 51.6 41.4 62.2





#11
 Trichlorofluoromethane
 Concen: 10.369 ppbv
 RT: 3.555 min Scan# 294
 Delta R.T. 0.007 min
 Lab File: VL040235.D
 Acq: 27 Feb 2023 14:37

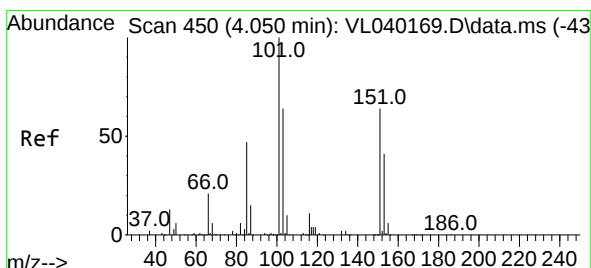
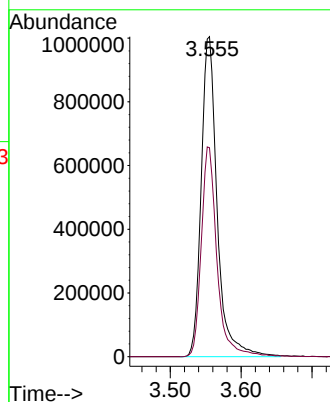
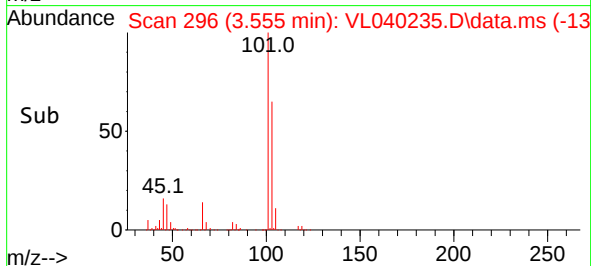
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS02



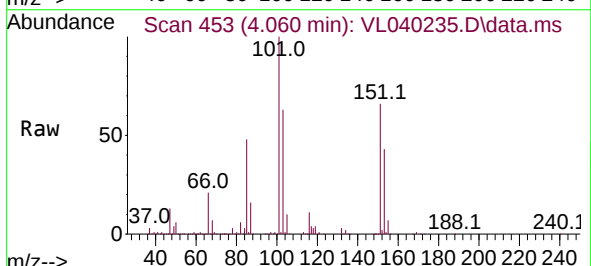
Tgt Ion:101 Resp: 156989
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.0 76.6

Manual Integrations
 APPROVED

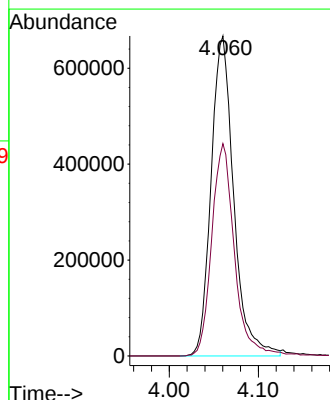
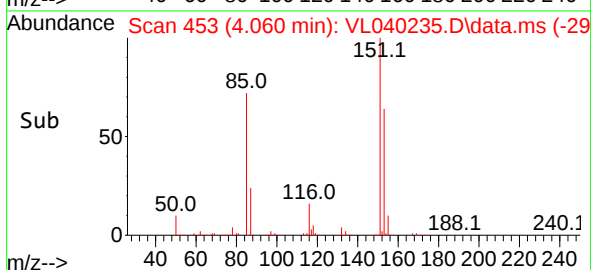
Reviewed By :Semsettin Yesilyurt 02/28/2023
 Supervised By :Mahesh Dadoda 02/28/2023

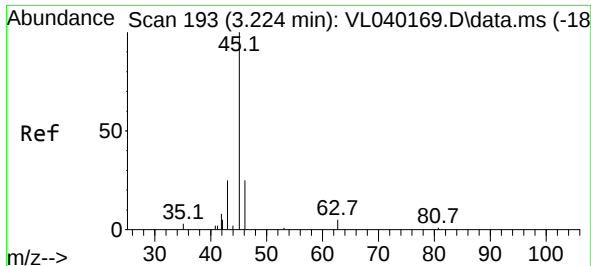


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.536 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. 0.003 min
 Lab File: VL040235.D
 Acq: 27 Feb 2023 14:37



Tgt Ion:101 Resp: 1176790
 Ion Ratio Lower Upper
 101 100
 151 67.0 54.7 82.1





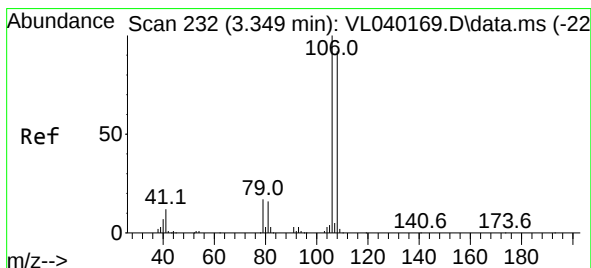
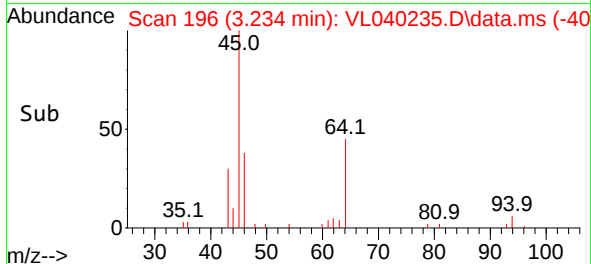
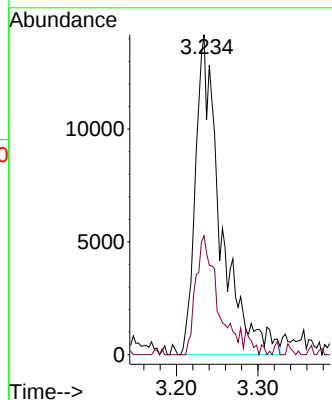
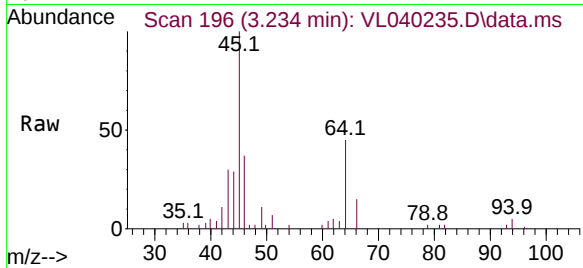
#13
Ethanol
Concen: 7.533 ppbv m
RT: 3.234 min Scan# 193
Delta R.T. 0.000 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02

Tgt Ion: 45 Resp: 3057
Ion Ratio Lower Upper
45 100
46 0.0 13.3 53.1

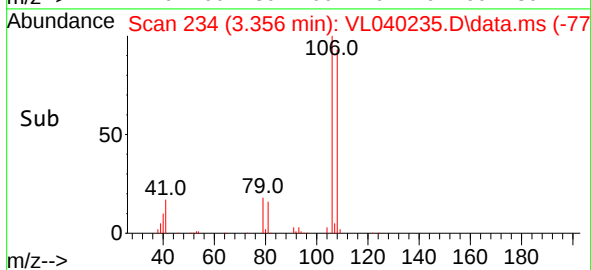
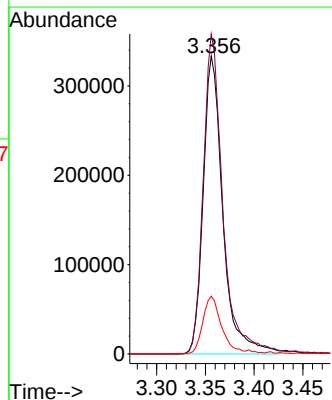
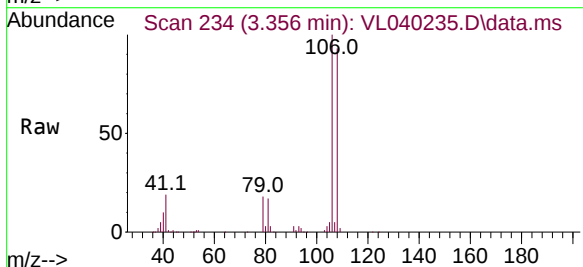
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#14
Bromoethene
Concen: 10.922 ppbv
RT: 3.356 min Scan# 234
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

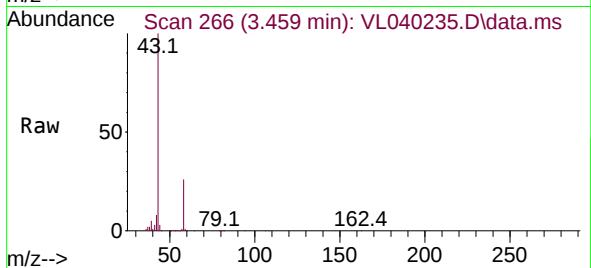
Tgt Ion:108 Resp: 467811
Ion Ratio Lower Upper
108 100
106 108.5 87.1 130.7
79 19.7 15.4 23.2





#15
Acetone
Concen: 9.585 ppbv
RT: 3.459 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

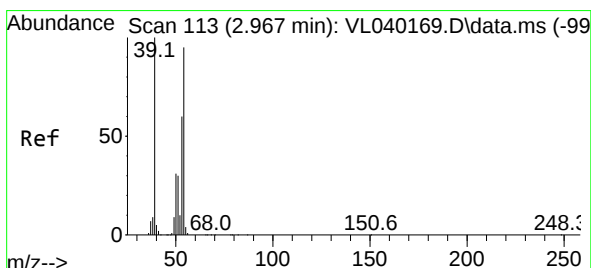
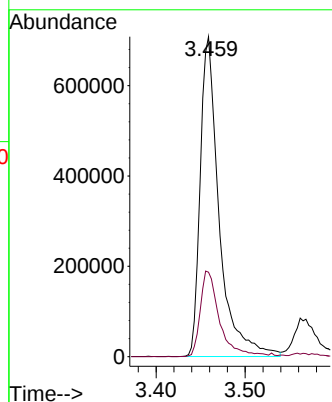
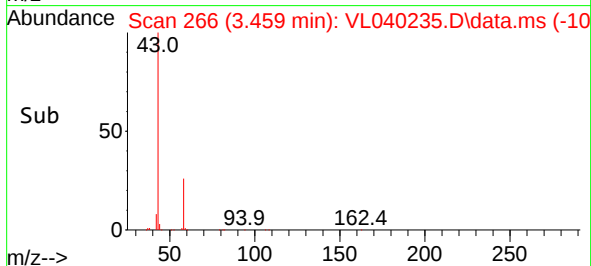
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



Tgt Ion: 43 Resp: 1044739
Ion Ratio Lower Upper
43 100
58 27.7 22.4 33.6

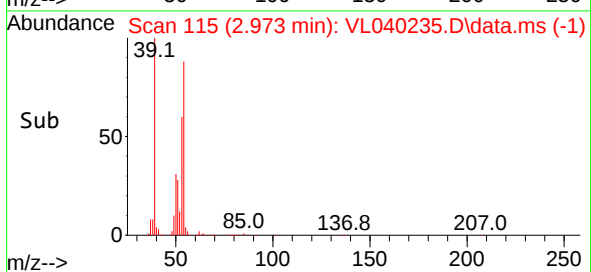
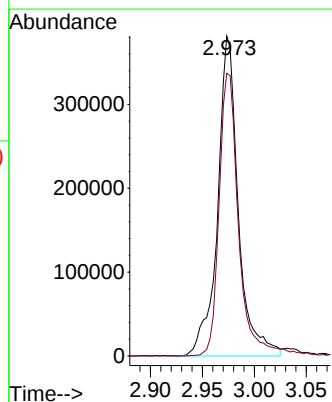
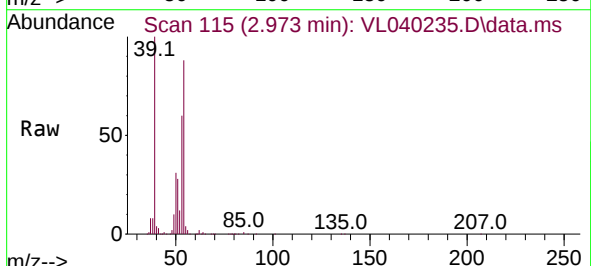
Manual Integrations
APPROVED

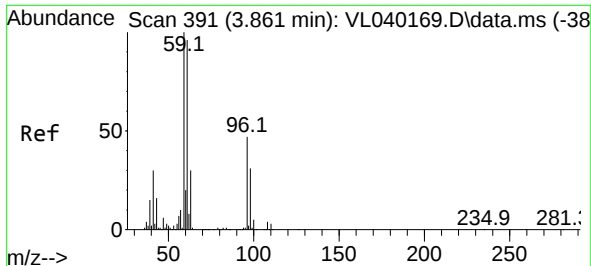
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#16
1,3-Butadiene
Concen: 10.654 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

Tgt Ion: 39 Resp: 530350
Ion Ratio Lower Upper
39 100
54 84.2 66.7 100.1





#17

tert-Butyl alcohol

Concen: 10.851 ppbv

RT: 3.867 min Scan# 391

Delta R.T. 0.003 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02

Tgt Ion: 59 Resp: 107866

Ion Ratio Lower Upper

59 100

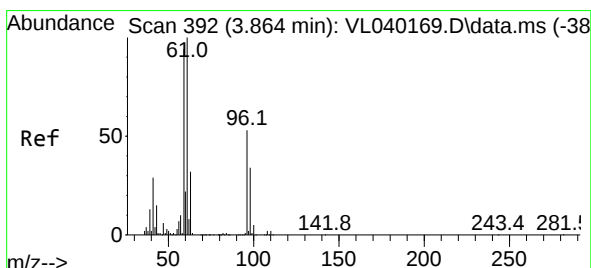
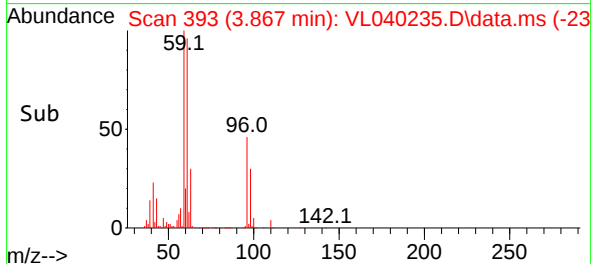
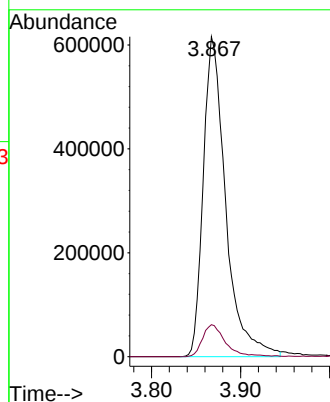
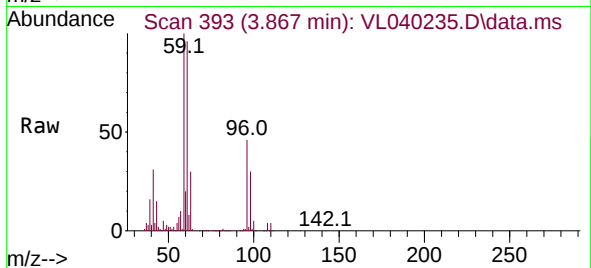
57 10.4 8.5 12.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#18

1,1-Dichloroethene

Concen: 10.634 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.003 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

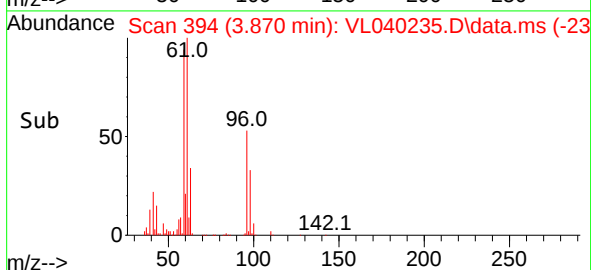
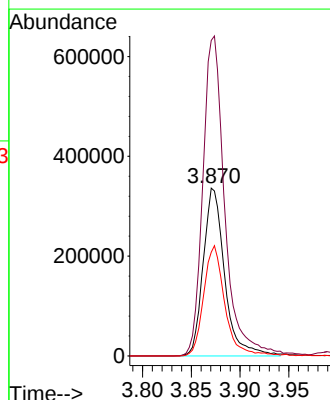
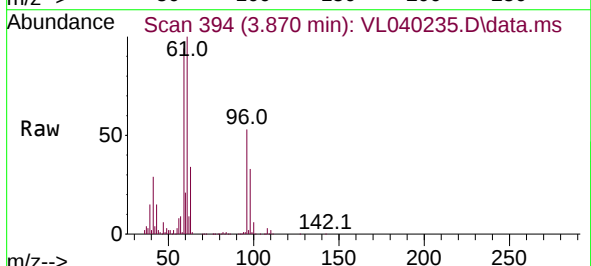
Tgt Ion: 96 Resp: 516065

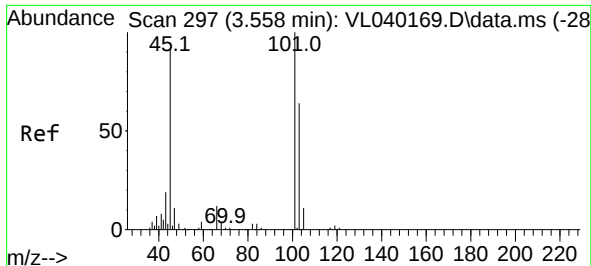
Ion Ratio Lower Upper

96 100

61 187.9 149.6 224.4

98 61.8 51.1 76.7





#19

Isopropyl Alcohol

Concen: 9.765 ppbv

RT: 3.565 min Scan# 297

Delta R.T. 0.000 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02

Tgt Ion: 45 Resp: 50596

Ion Ratio Lower Upper

45 100

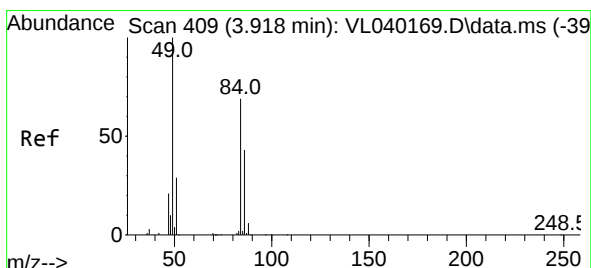
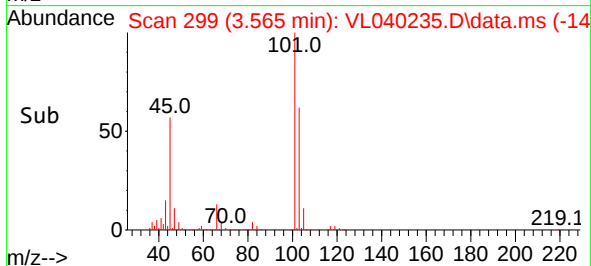
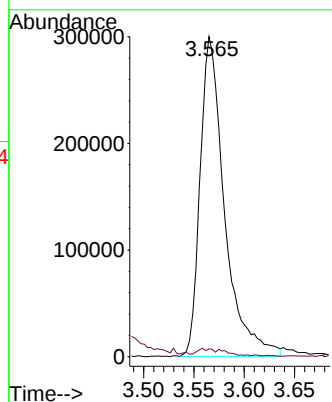
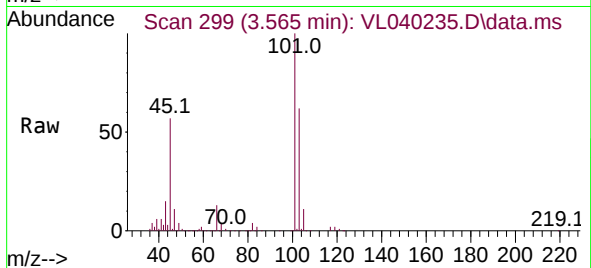
58 3.6 2.6 3.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#20

Methylene Chloride

Concen: 7.690 ppbv

RT: 3.925 min Scan# 411

Delta R.T. 0.003 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

Tgt Ion: 84 Resp: 436347

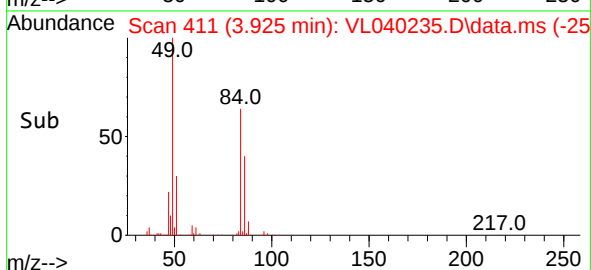
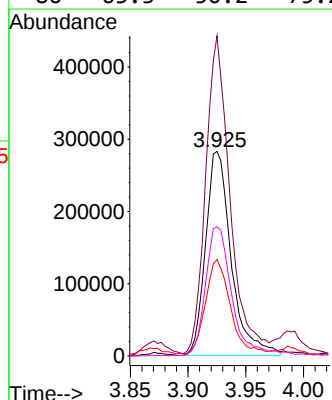
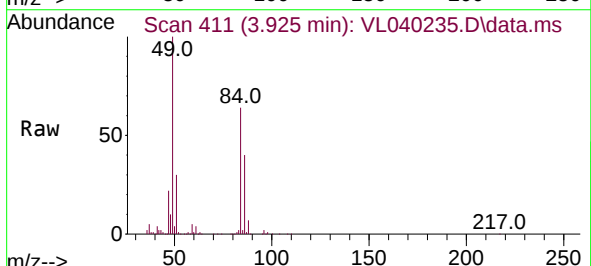
Ion Ratio Lower Upper

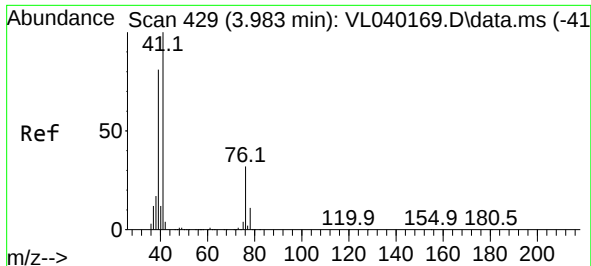
84 100

49 155.3 115.5 173.3

51 45.9 33.1 49.7

86 63.3 50.2 75.2





#21

Allyl Chloride

Concen: 10.796 ppbv

RT: 3.989 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02

Tgt Ion: 41 Resp: 721740

Ion Ratio Lower Upper

41 100

76 32.9 25.5 38.3

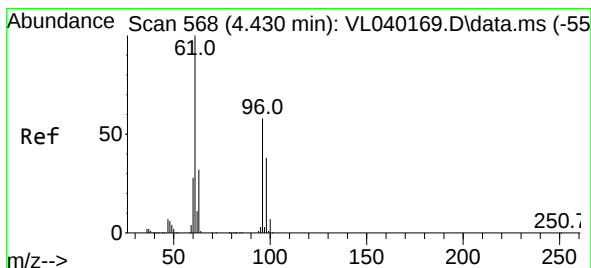
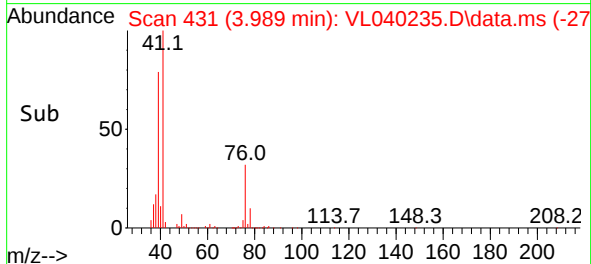
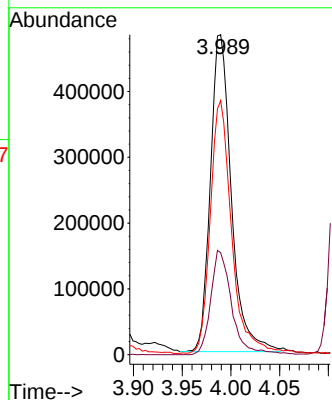
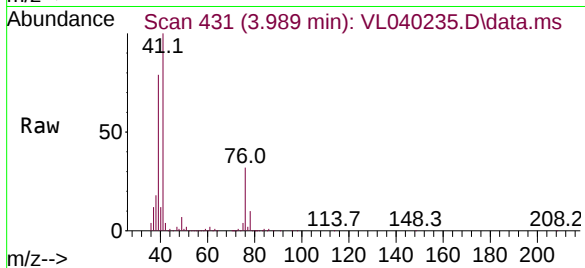
39 82.0 64.5 96.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#22

trans-1,2-Dichloroethene

Concen: 10.923 ppbv

RT: 4.440 min Scan# 571

Delta R.T. 0.003 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

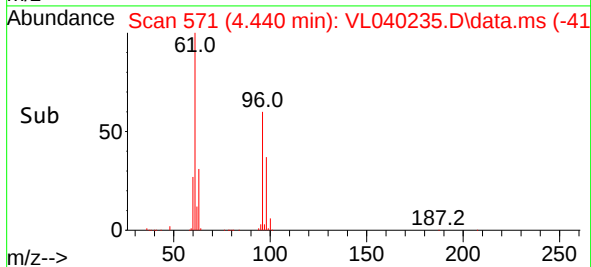
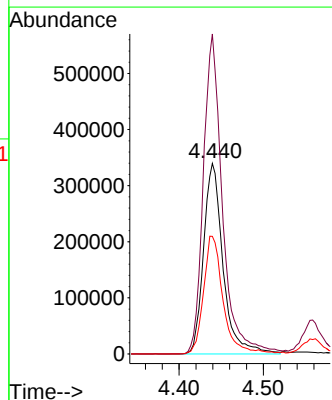
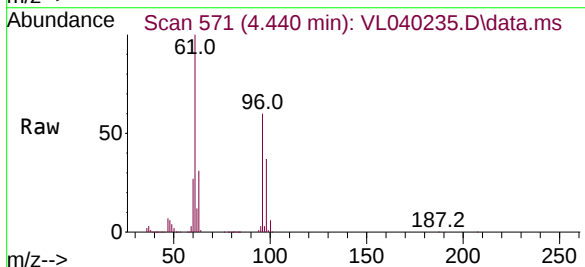
Tgt Ion: 96 Resp: 548940

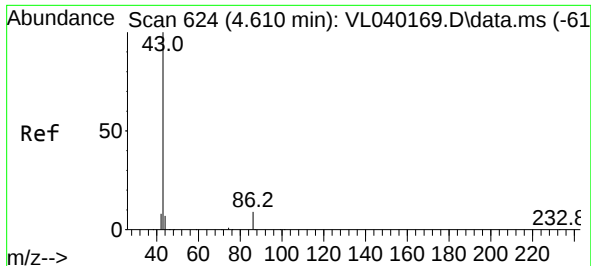
Ion Ratio Lower Upper

96 100

61 167.7 137.5 206.3

98 61.7 52.8 79.2





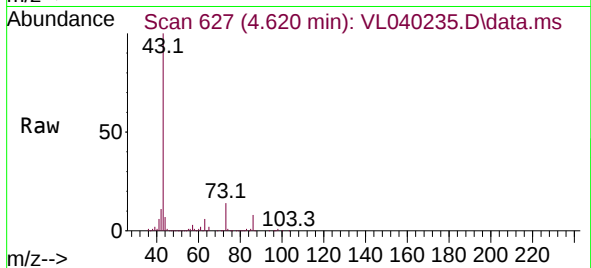
#23
 Vinyl Acetate
 Concen: 10.395 ppbv
 RT: 4.620 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: VL040235.D
 Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02

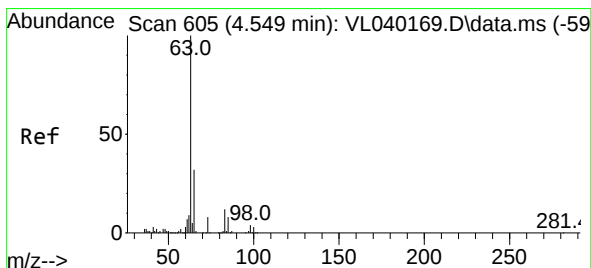
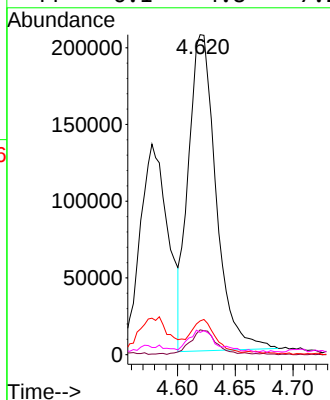
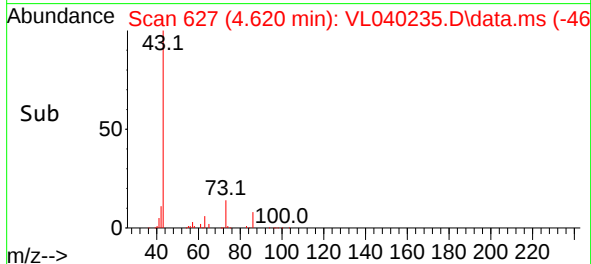


Tgt Ion: 43 Resp: 343850
 Ion Ratio Lower Upper
 43 100
 86 7.9 5.6 8.4
 42 10.4 7.6 11.4
 44 6.1 4.8 7.2

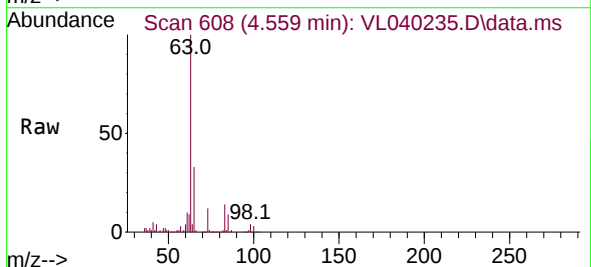
Manual Integrations

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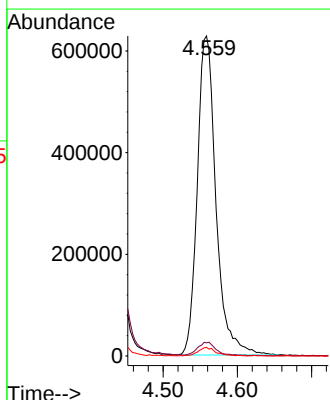
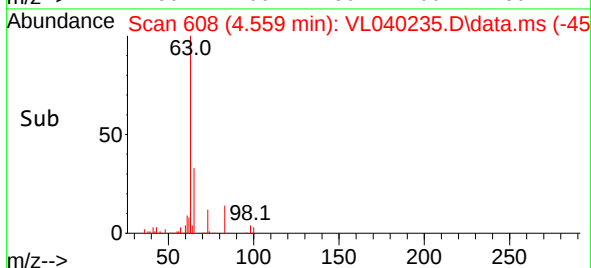
Reviewed By :Semsettin Yesilyurt 02/28/2023
 Supervised By :Mahesh Dadoda 02/28/2023

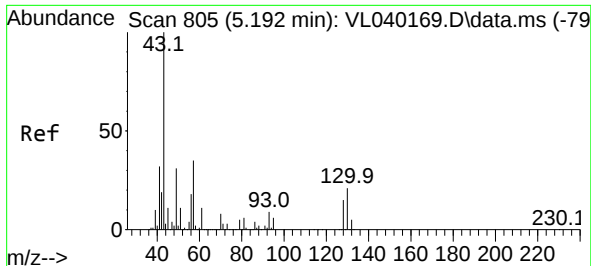


#24
 1,1-Dichloroethane
 Concen: 10.600 ppbv
 RT: 4.559 min Scan# 608
 Delta R.T. 0.007 min
 Lab File: VL040235.D
 Acq: 27 Feb 2023 14:37



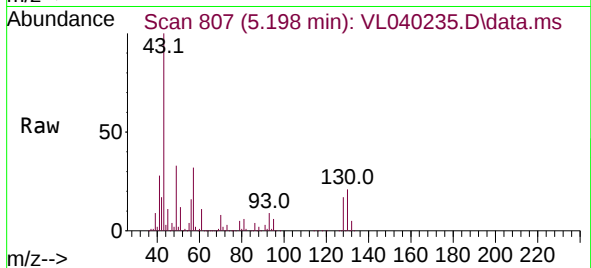
Tgt Ion: 63 Resp: 1095988
 Ion Ratio Lower Upper
 63 100
 98 4.0 2.3 6.8
 100 2.7 1.4 4.0





#25
Ethyl Acetate
Concen: 10.101 ppbv
RT: 5.198 min Scan# 805
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

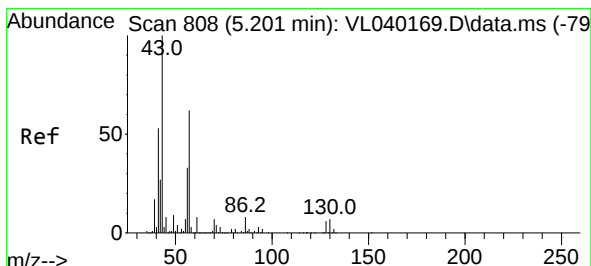
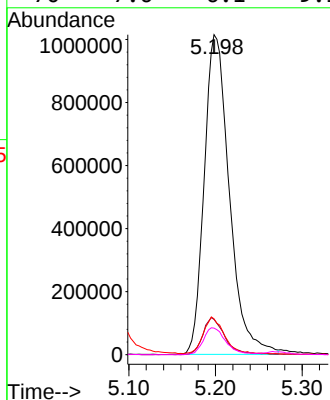
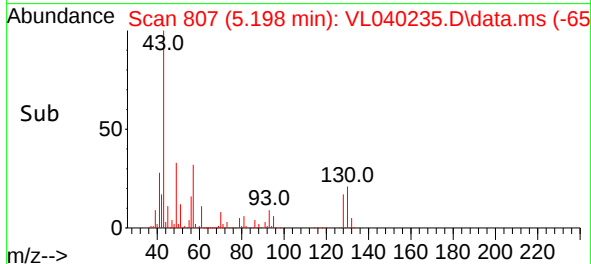
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



Tgt Ion: 43 Resp: 204669
Ion Ratio Lower Upper
43 100
45 10.4 8.3 12.5
61 10.7 8.4 12.6
70 7.6 6.1 9.1

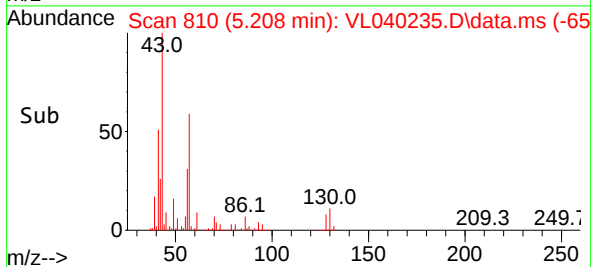
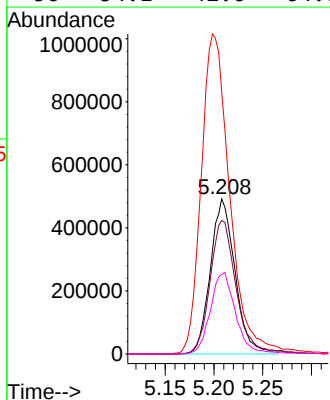
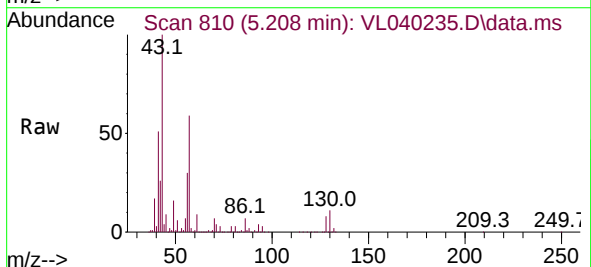
Manual Integrations
APPROVED

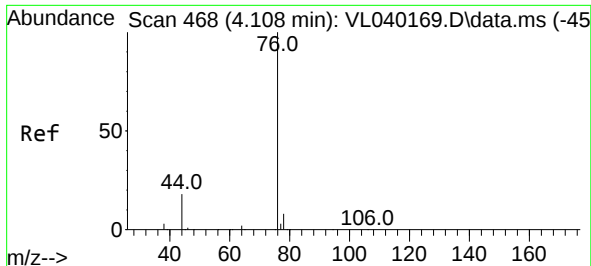
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#26
Hexane
Concen: 9.970 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

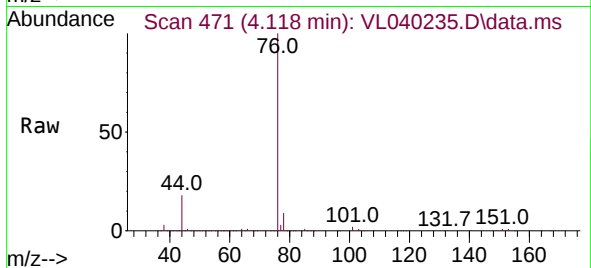
Tgt Ion: 57 Resp: 867260
Ion Ratio Lower Upper
57 100
41 91.9 74.3 111.5
43 239.3 193.0 289.4
56 54.1 42.6 64.0





#27
Carbon Disulfide
Concen: 11.792 ppbv
RT: 4.118 min Scan# 411
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

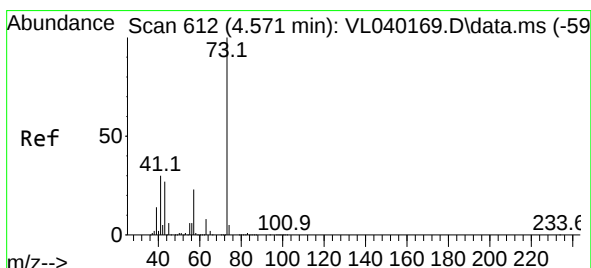
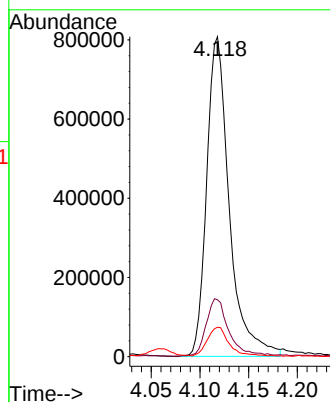
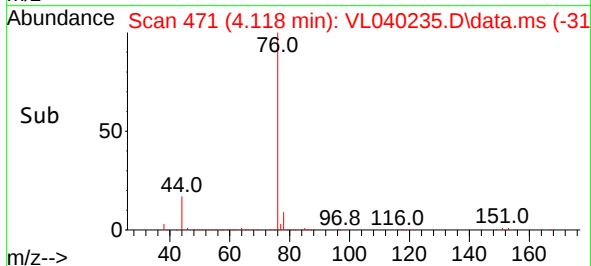
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



Tgt Ion: 76 Resp: 130162
Ion Ratio Lower Upper
76 100
44 18.5 15.3 22.9
78 9.4 7.7 11.5

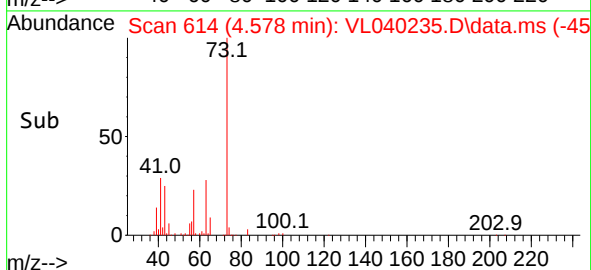
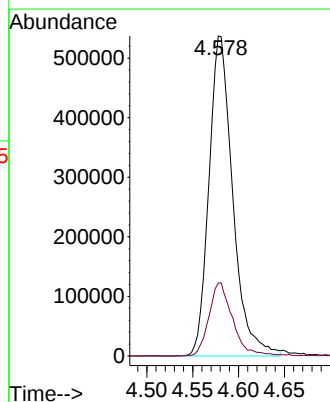
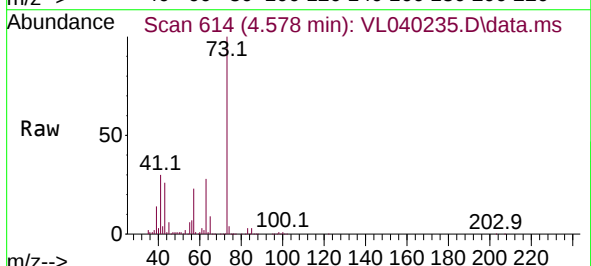
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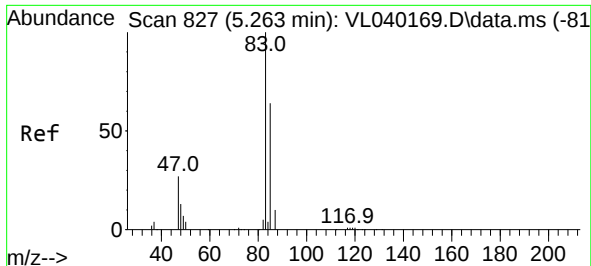
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#28
Methyl tert-Butyl Ether
Concen: 10.419 ppbv
RT: 4.578 min Scan# 614
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

Tgt Ion: 73 Resp: 971094
Ion Ratio Lower Upper
73 100
57 23.0 18.8 28.2





#29

Chloroform

Concen: 10.014 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.007 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02

Tgt Ion: 83 Resp: 149564

Ion Ratio Lower Upper

83 100

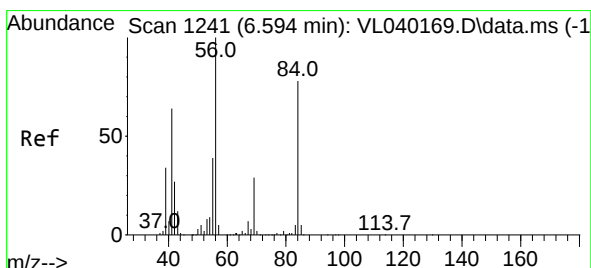
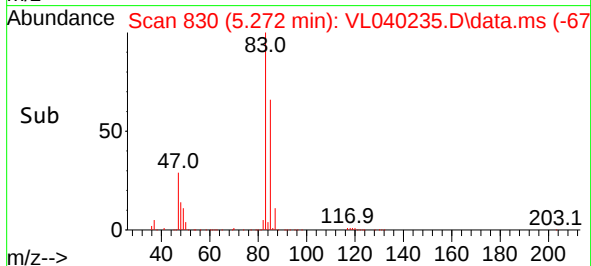
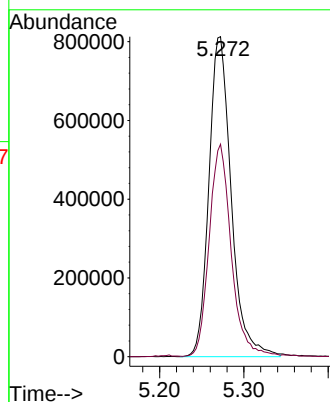
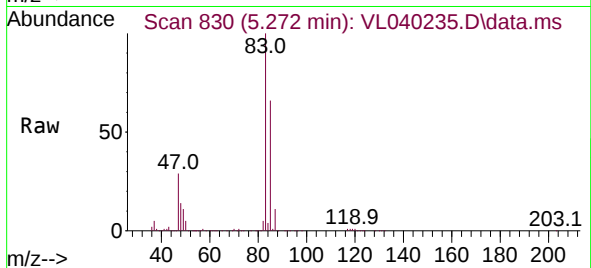
85 66.2 51.5 77.3

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Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#30

Cyclohexane

Concen: 10.730 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.007 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

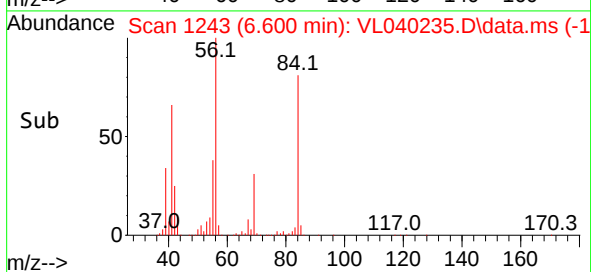
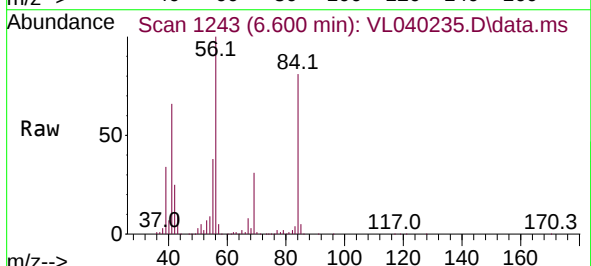
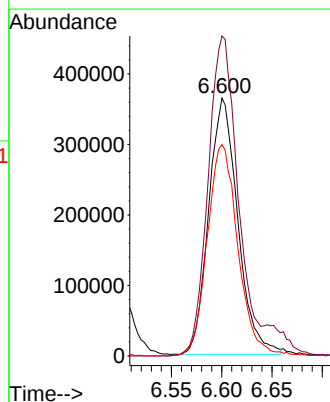
Tgt Ion: 84 Resp: 732880

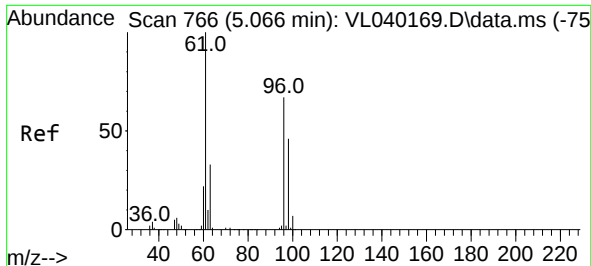
Ion Ratio Lower Upper

84 100

56 136.8 109.9 164.9

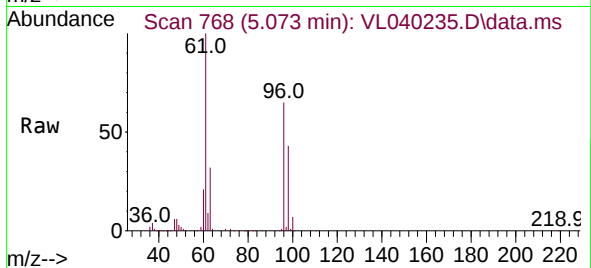
41 87.1 67.8 101.6





#31
 cis-1,2-Dichloroethene
 Concen: 10.005 ppbv
 RT: 5.073 min Scan# 70
 Delta R.T. 0.003 min
 Lab File: VL040235.D
 Acq: 27 Feb 2023 14:37

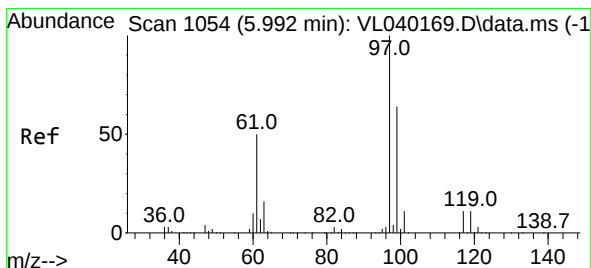
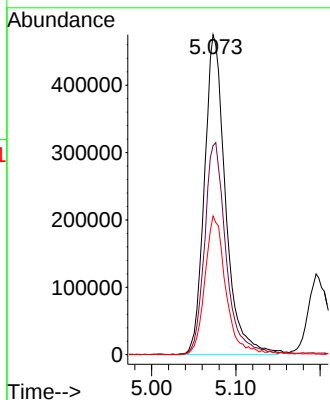
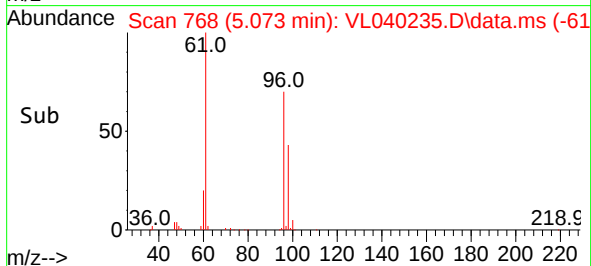
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS02



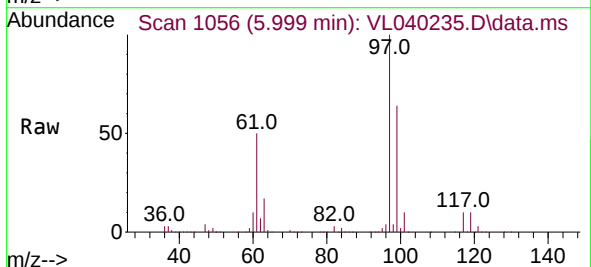
Tgt Ion: 61 Resp: 82692
 Ion Ratio Lower Upper
 61 100
 96 65.3 53.7 80.5
 98 43.4 36.4 54.6

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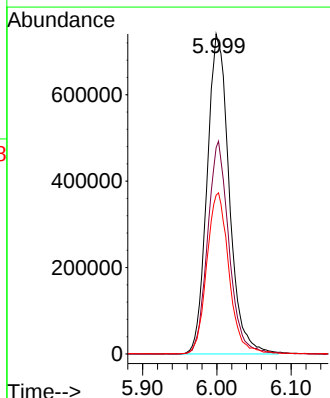
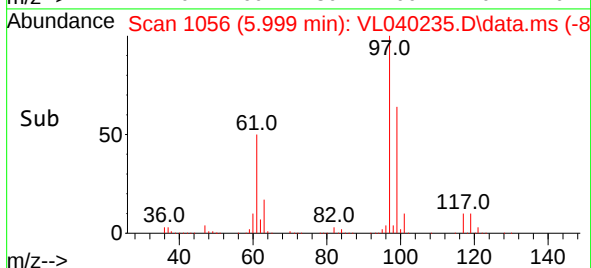
Reviewed By :Semsettin Yesilyurt 02/28/2023
 Supervised By :Mahesh Dadoda 02/28/2023

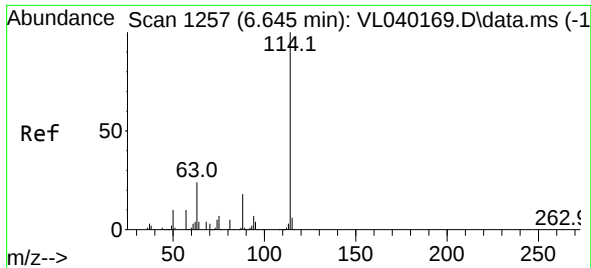


#32
 1,1,1-Trichloroethane
 Concen: 10.910 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. 0.003 min
 Lab File: VL040235.D
 Acq: 27 Feb 2023 14:37



Tgt Ion: 97 Resp: 1530971
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.5 77.3
 61 50.9 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. 0.007 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02

Tgt Ion:114 Resp: 235375

Ion Ratio Lower Upper

114 100

63 26.1 20.4 30.6

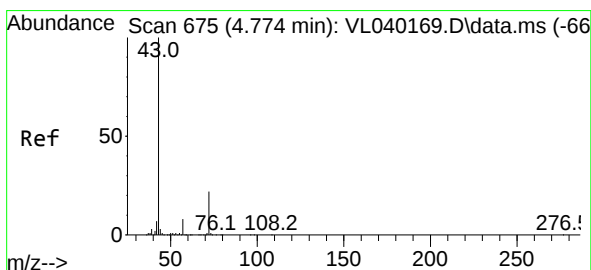
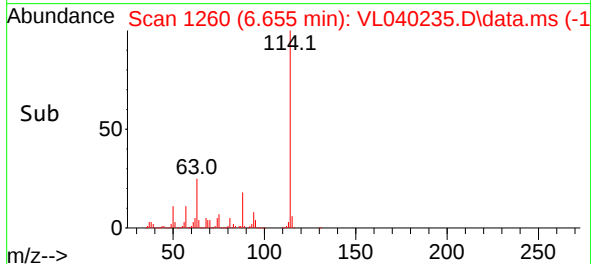
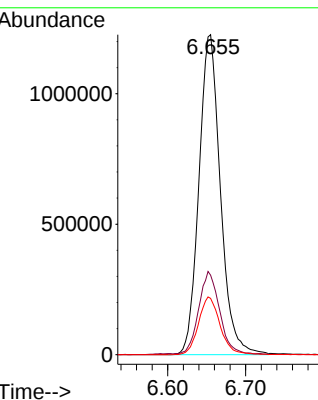
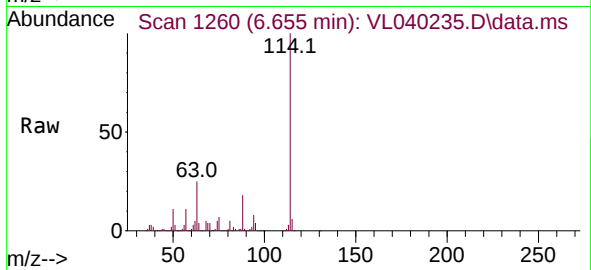
88 18.1 14.3 21.5

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Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#34

2-Butanone

Concen: 10.098 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.007 min

Lab File: VL040235.D

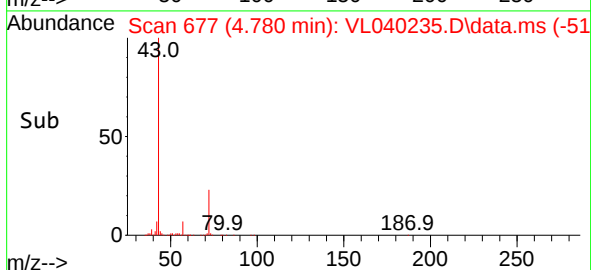
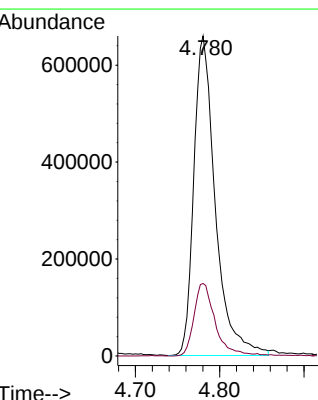
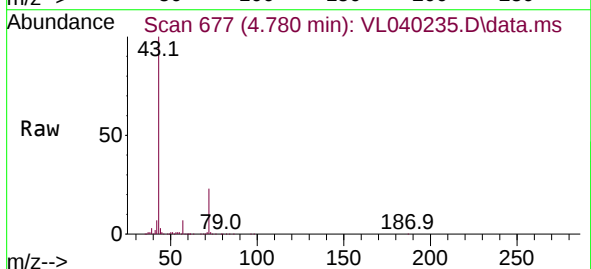
Acq: 27 Feb 2023 14:37

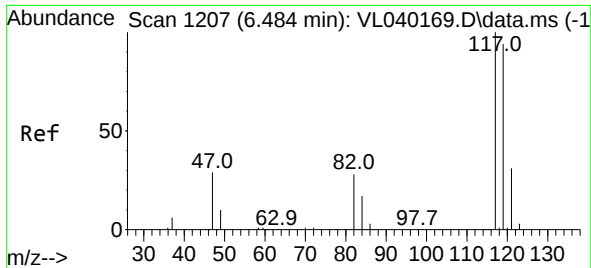
Tgt Ion: 43 Resp: 1172473

Ion Ratio Lower Upper

43 100

72 23.0 17.8 26.8





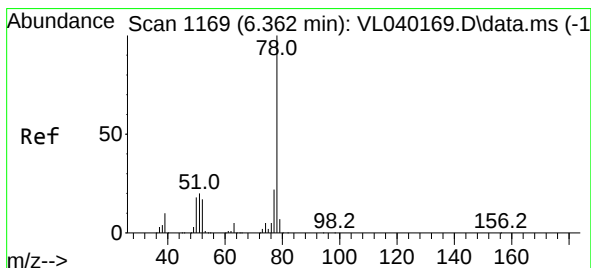
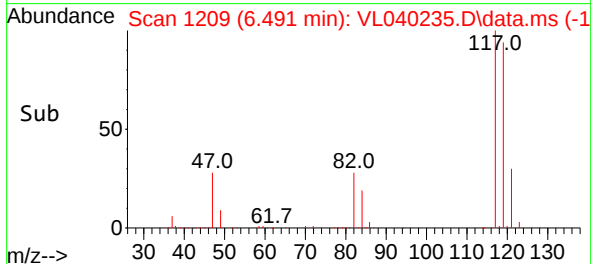
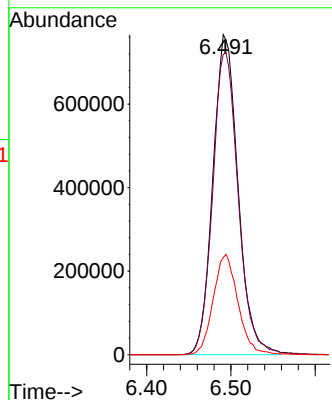
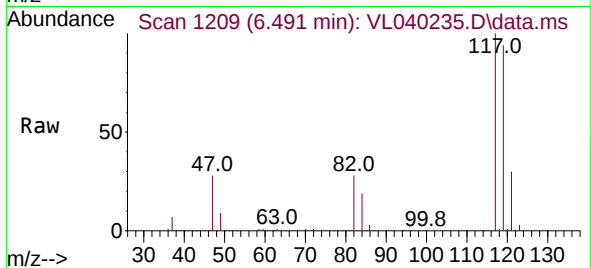
#35
Carbon Tetrachloride
Concen: 11.414 ppbv
RT: 6.491 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02

Tgt Ion:117 Resp: 158823
Ion Ratio Lower Upper
117 100
119 93.8 75.0 112.6
121 30.3 25.0 37.4

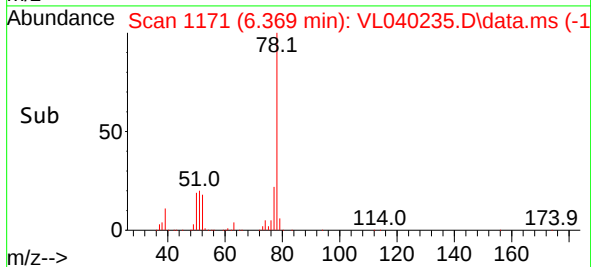
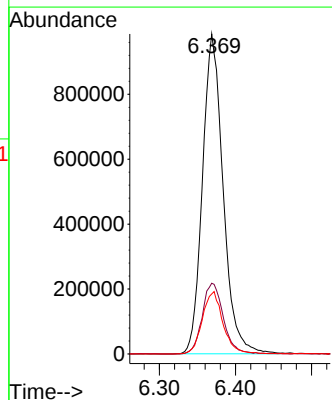
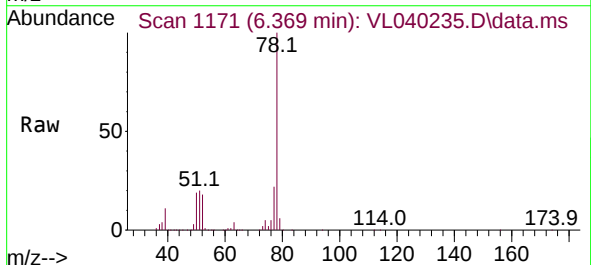
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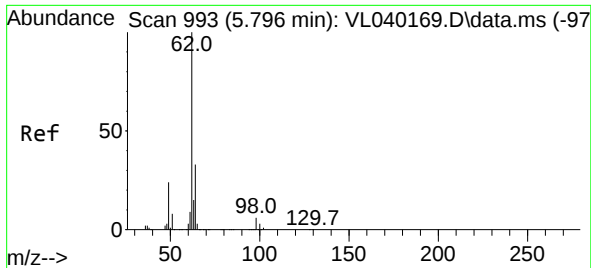
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#36
Benzene
Concen: 10.144 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

Tgt Ion: 78 Resp: 1858029
Ion Ratio Lower Upper
78 100
77 22.1 17.5 26.3
50 18.7 14.6 22.0





#37

1,2-Dichloroethane

Concen: 10.345 ppbv

RT: 5.806 min Scan# 993

Delta R.T. 0.007 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02

Tgt Ion: 62 Resp: 1185099

Ion Ratio Lower Upper

62 100

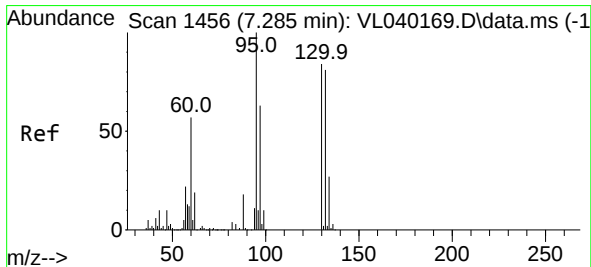
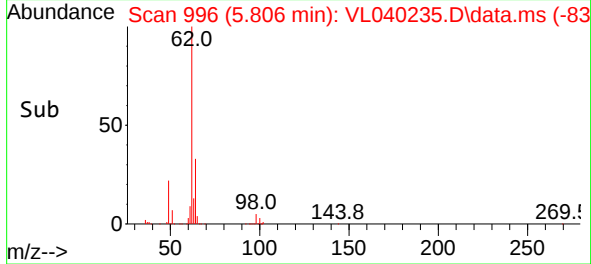
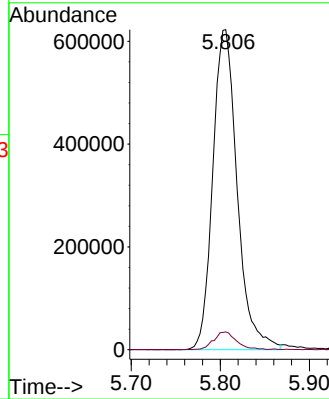
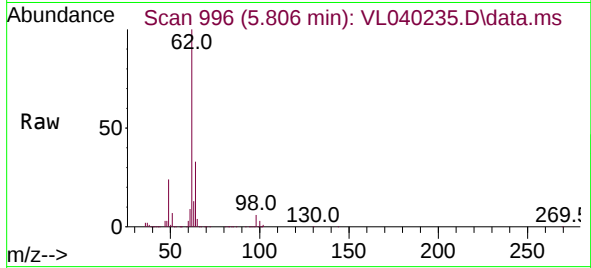
98 5.4 4.7 7.1

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Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#38

Trichloroethene

Concen: 10.848 ppbv

RT: 7.292 min Scan# 1458

Delta R.T. 0.003 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

Tgt Ion:130 Resp: 1094949

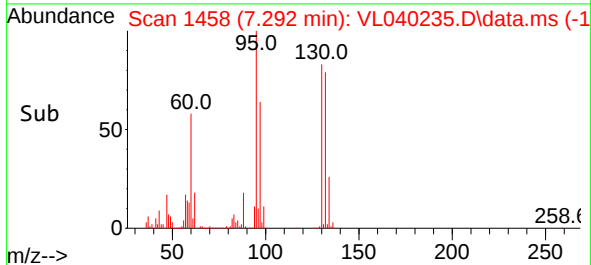
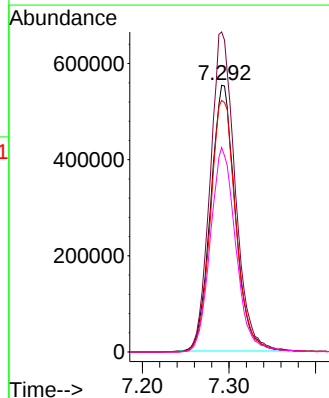
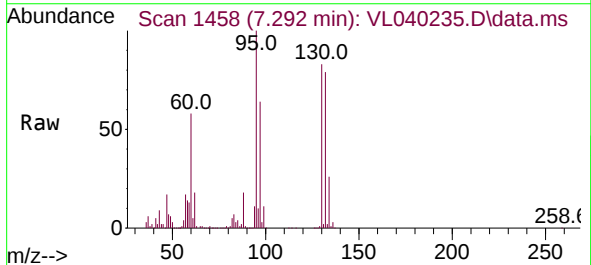
Ion Ratio Lower Upper

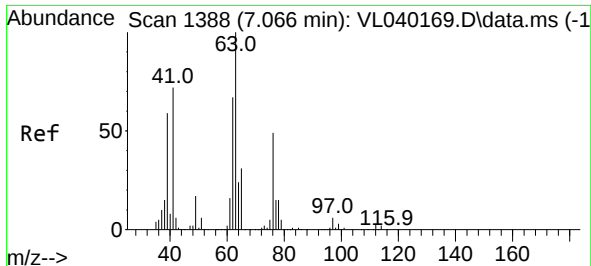
130 100

95 120.3 94.7 142.1

132 94.6 76.4 114.6

97 76.9 59.8 89.6





#39

1,2-Dichloropropane

Concen: 10.118 ppbv

RT: 7.073 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02

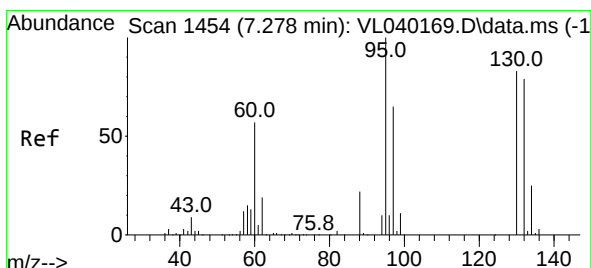
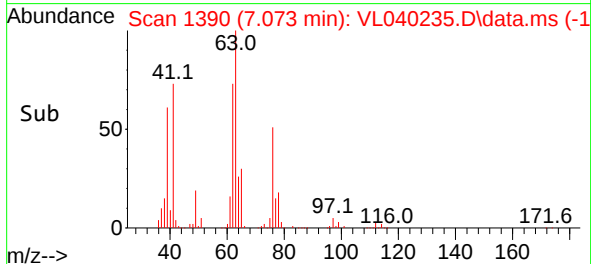
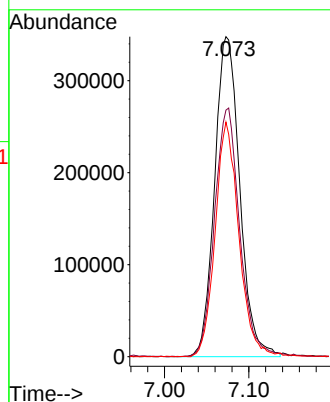
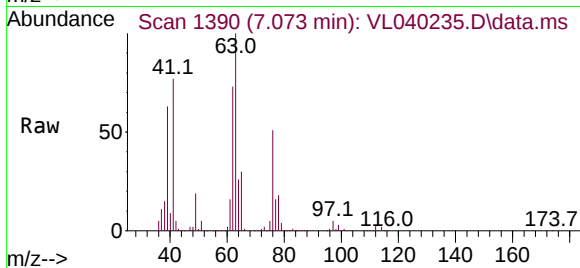
Tgt Ion: 63 Resp: 72094

Ion	Ratio	Lower	Upper
63	100		
41	77.0	57.6	86.4
62	73.2	54.0	81.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#40

1,4-Dioxane

Concen: 9.826 ppbv

RT: 7.288 min Scan# 1457

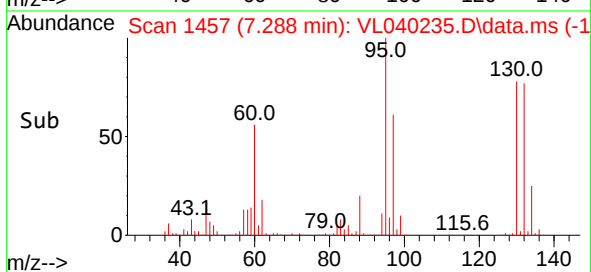
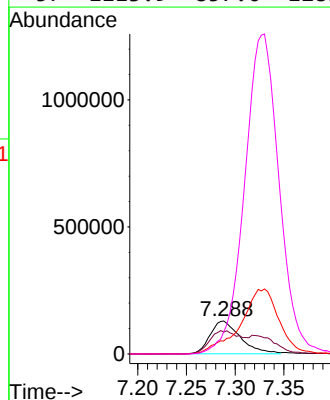
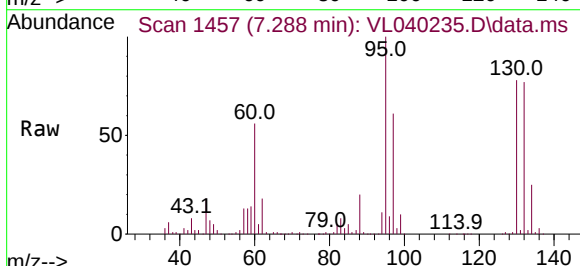
Delta R.T. 0.007 min

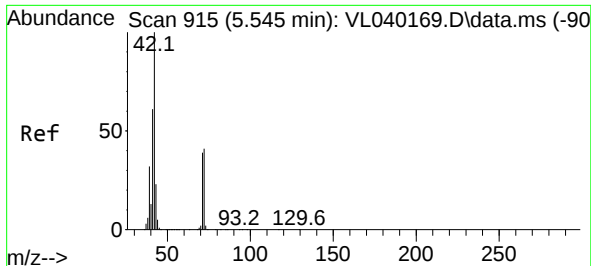
Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

Tgt Ion: 88 Resp: 280080

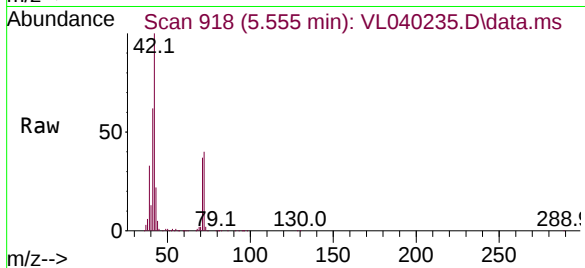
Ion	Ratio	Lower	Upper
88	100		
58	123.2	97.4	146.0
43	252.6	193.5	290.3
57	1113.9	857.0	1285.6





#41
Tetrahydrofuran
Concen: 10.361 ppbv
RT: 5.555 min Scan# 915
Delta R.T. 0.007 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

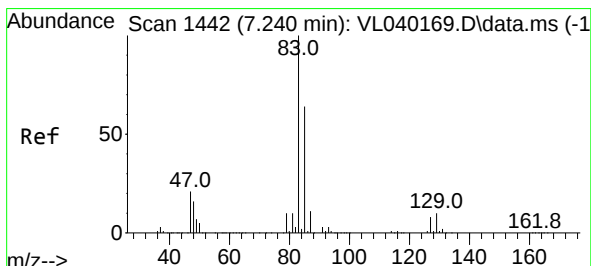
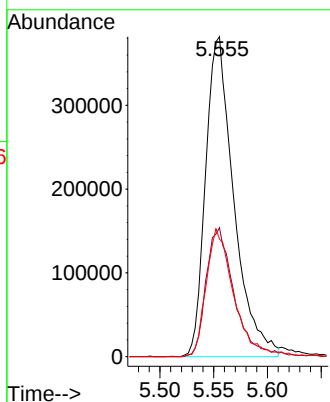
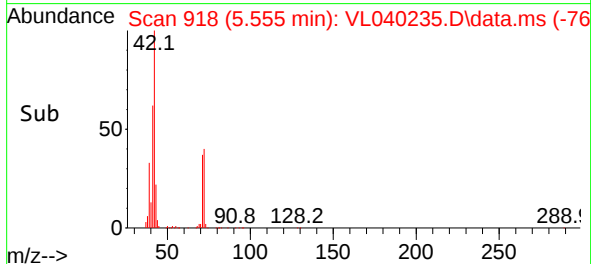
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



Tgt Ion: 42 Resp: 69712
Ion Ratio Lower Upper
42 100
72 40.6 33.0 49.4
71 39.7 31.4 47.2

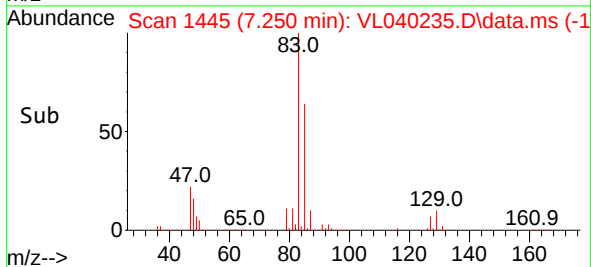
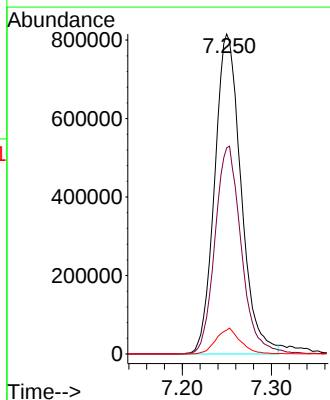
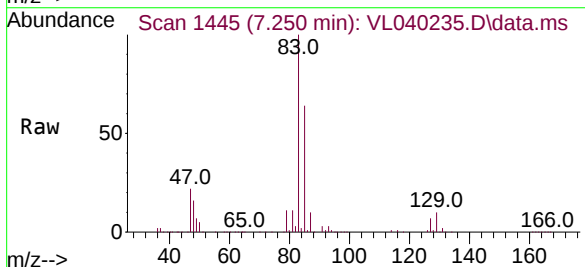
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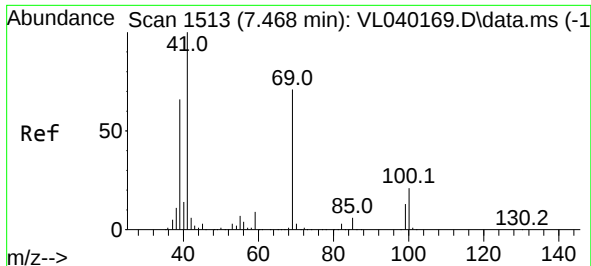
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#42
Bromodichloromethane
Concen: 10.628 ppbv
RT: 7.250 min Scan# 1445
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

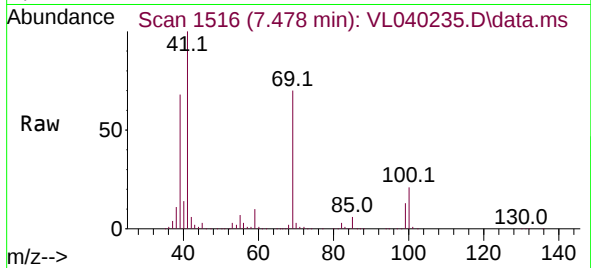
Tgt Ion: 83 Resp: 1680564
Ion Ratio Lower Upper
83 100
85 64.4 50.9 76.3
127 7.4 6.2 9.2





#43
Methyl Methacrylate
Concen: 10.945 ppbv
RT: 7.478 min Scan# 1516
Delta R.T. 0.007 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

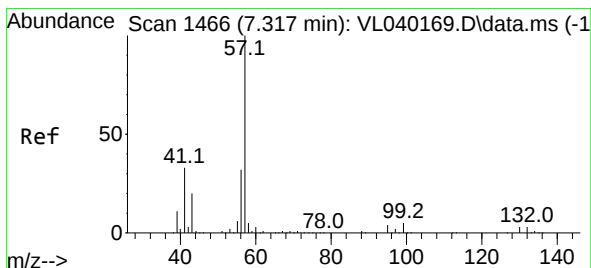
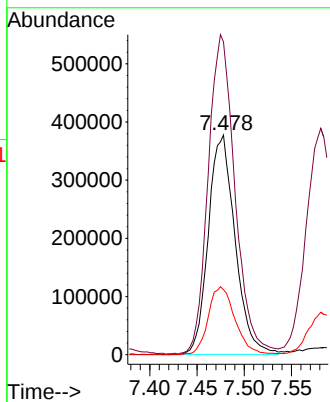
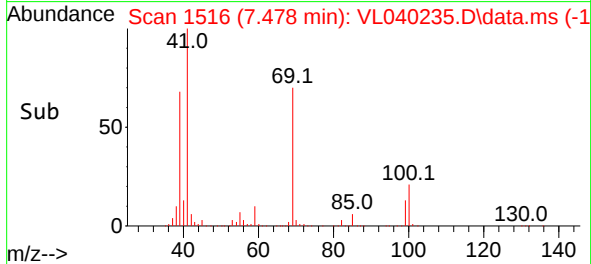
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



Tgt Ion: 69 Resp: 741799
Ion Ratio Lower Upper
69 100
41 147.0 116.6 174.8
100 31.2 25.6 38.4

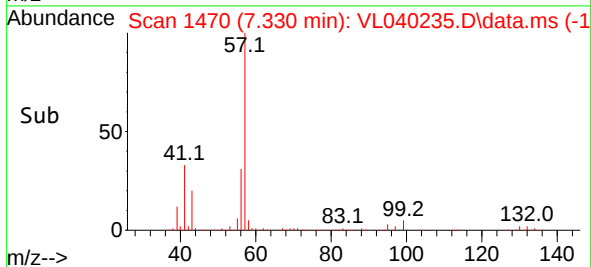
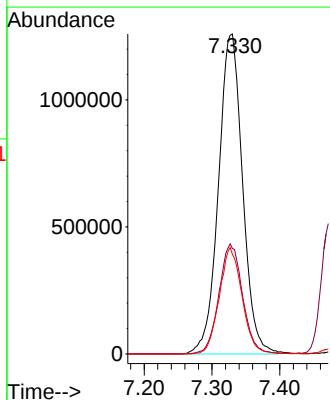
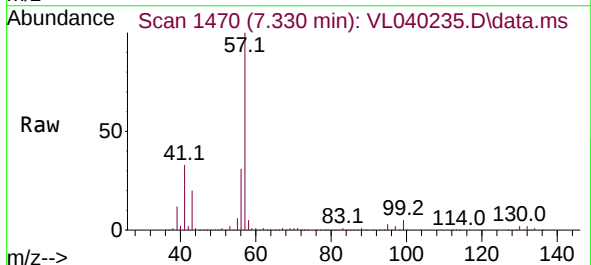
Manual Integrations
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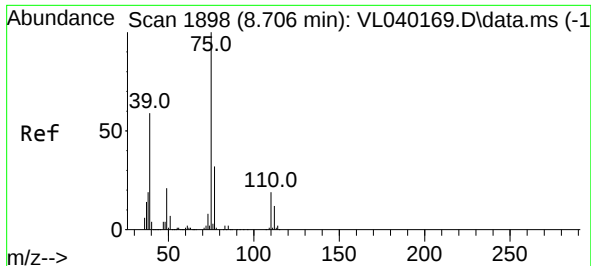
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#44
2,2,4-Trimethylpentane
Concen: 10.177 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.010 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

Tgt Ion: 57 Resp: 3111821
Ion Ratio Lower Upper
57 100
41 33.7 26.2 39.4
56 31.4 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 11.858 ppbv

RT: 8.716 min Scan# 1901

Delta R.T. 0.010 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02

Tgt Ion: 75 Resp: 712930

Ion Ratio Lower Upper

75 100

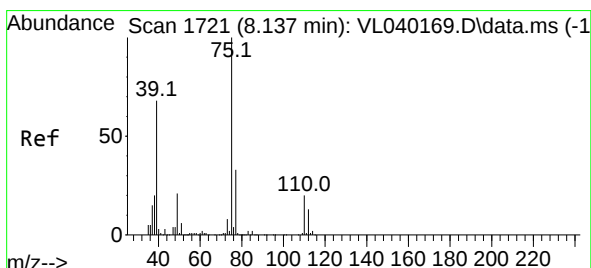
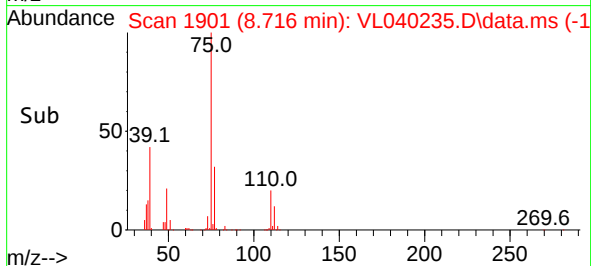
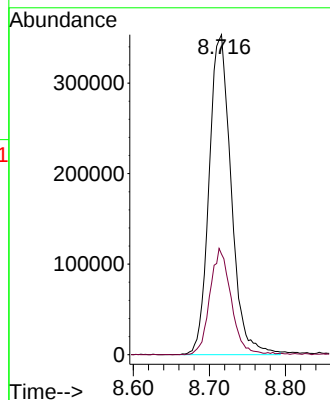
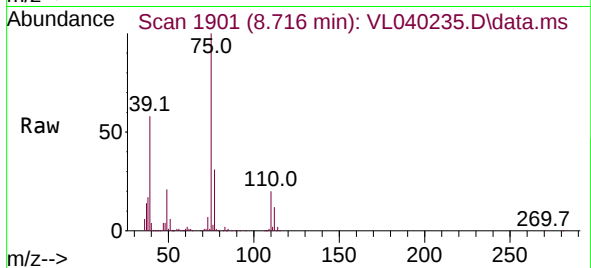
77 31.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#46

cis-1,3-Dichloropropene

Concen: 11.504 ppbv

RT: 8.144 min Scan# 1723

Delta R.T. 0.003 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

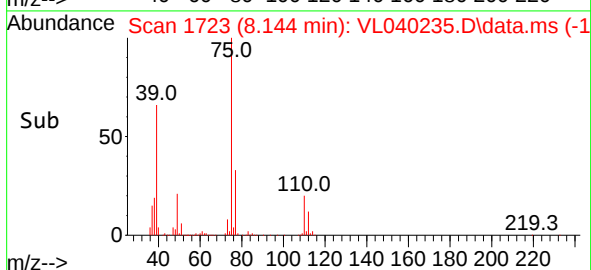
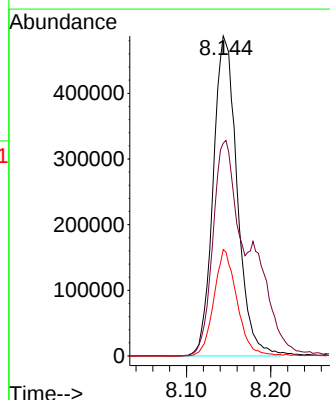
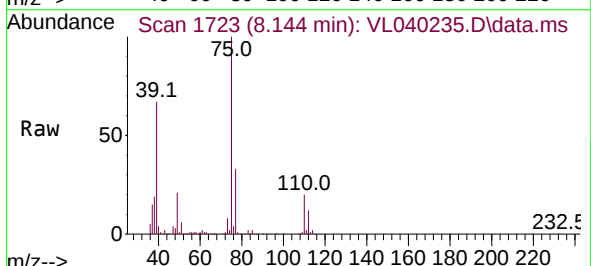
Tgt Ion: 75 Resp: 963558

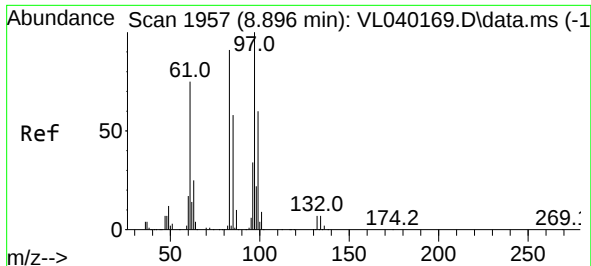
Ion Ratio Lower Upper

75 100

39 66.5 54.2 81.2

77 33.2 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 10.159 ppbv

RT: 8.902 min Scan# 1957

Delta R.T. 0.007 min

Lab File: VL040235.D

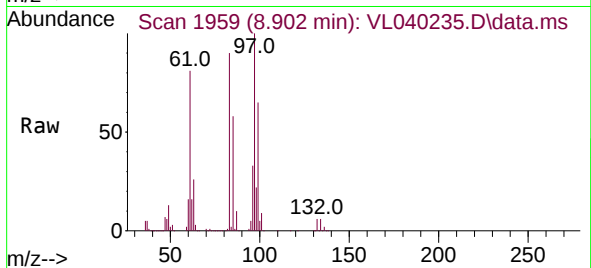
Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02



Tgt Ion: 97 Resp: 782940

Ion Ratio Lower Upper

97 100

83 89.6 72.8 109.2

85 58.4 46.6 69.8

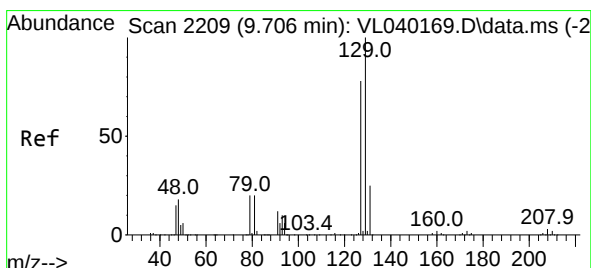
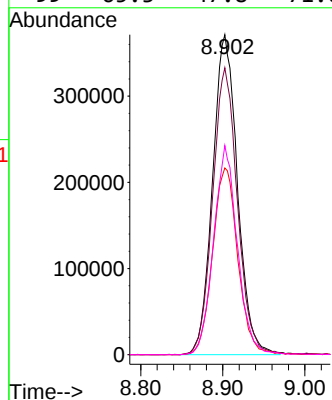
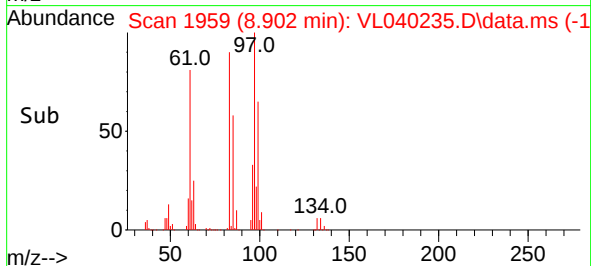
99 65.3 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#48

Dibromochloromethane

Concen: 11.074 ppbv

RT: 9.716 min Scan# 2212

Delta R.T. 0.010 min

Lab File: VL040235.D

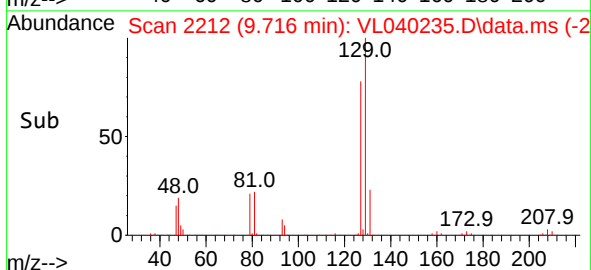
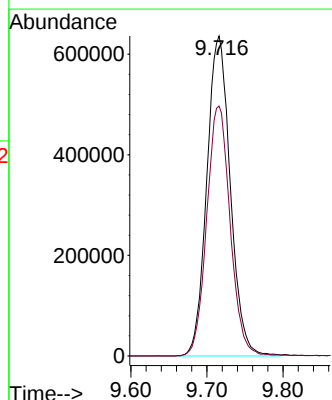
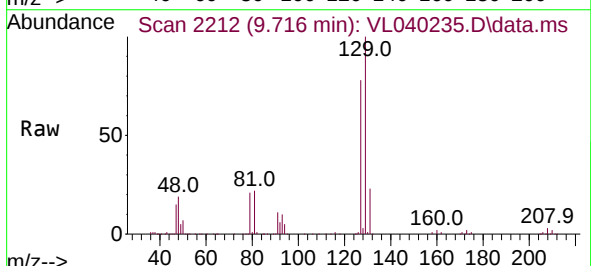
Acq: 27 Feb 2023 14:37

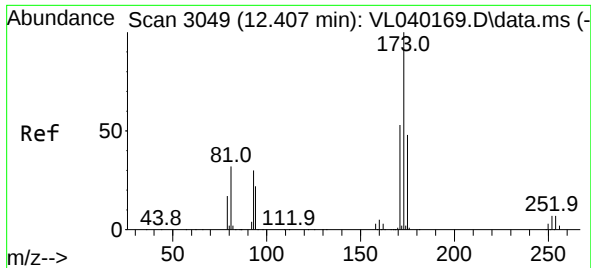
Tgt Ion:129 Resp: 1365082

Ion Ratio Lower Upper

129 100

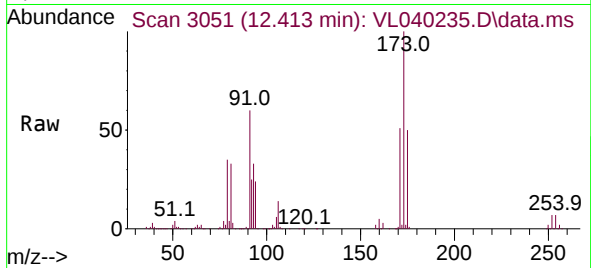
127 78.1 39.1 117.2





#49
Bromoform
Concen: 10.902 ppbv
RT: 12.413 min Scan# 3049
Delta R.T. 0.007 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

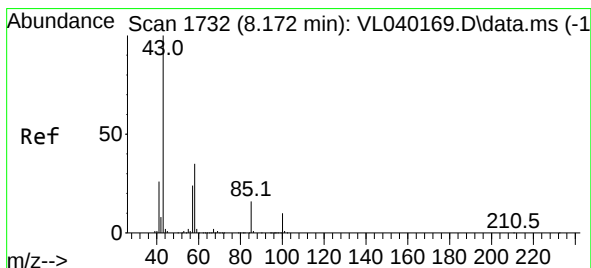
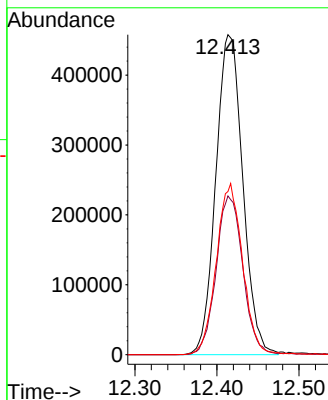
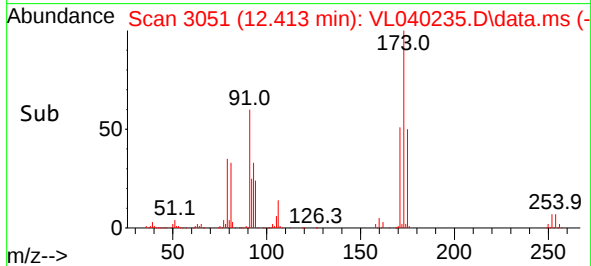
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



Tgt Ion:173 Resp: 104895
Ion Ratio Lower Upper
173 100
175 49.4 39.4 59.0
171 52.2 41.8 62.6

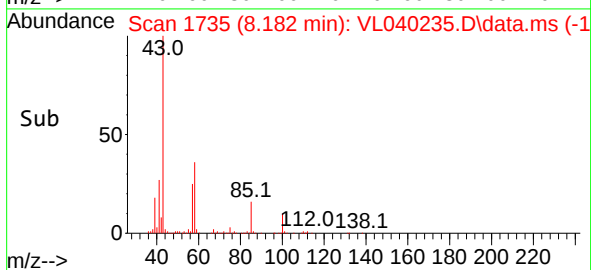
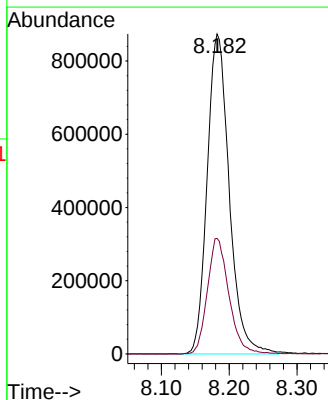
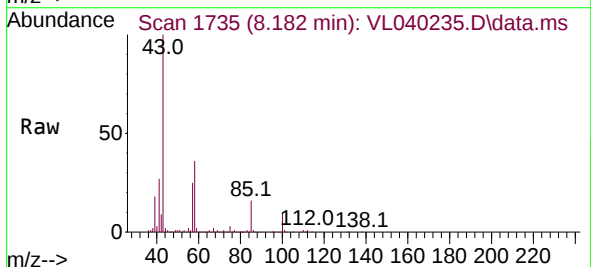
Manual Integrations
APPROVED

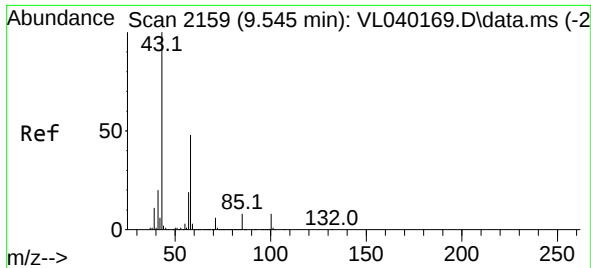
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#50
4-Methyl-2-Pentanone
Concen: 10.969 ppbv
RT: 8.182 min Scan# 1735
Delta R.T. 0.007 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

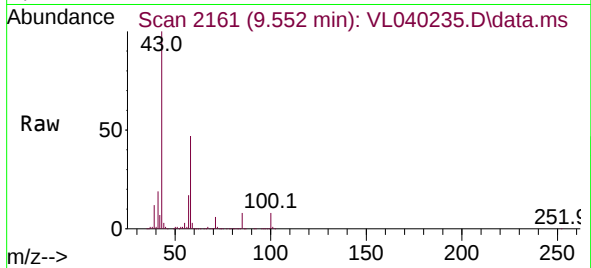
Tgt Ion: 43 Resp: 1977428
Ion Ratio Lower Upper
43 100
58 35.5 29.2 43.8





#51
2-Hexanone
Concen: 10.960 ppbv
RT: 9.552 min Scan# 2159
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

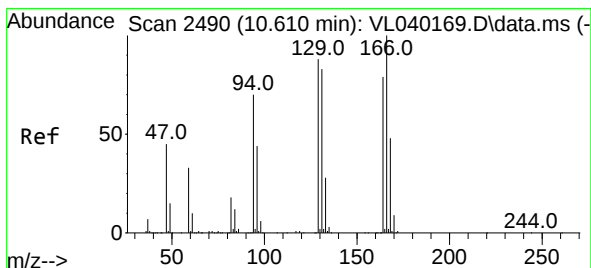
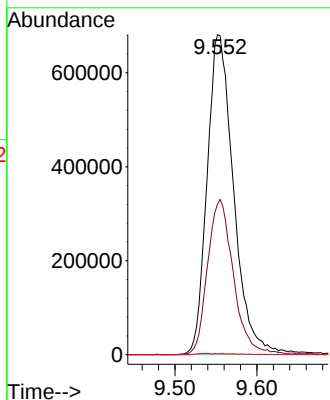
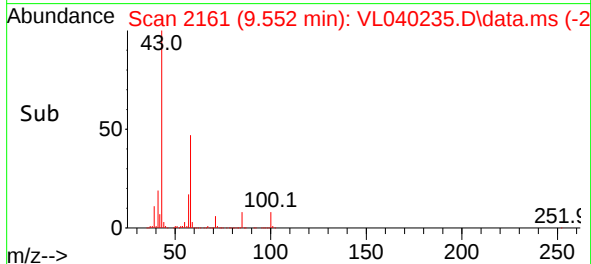
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



Tgt Ion: 43 Resp: 151951
Ion Ratio Lower Upper
43 100
58 48.0 39.1 58.7
98 0.6 0.2 0.4

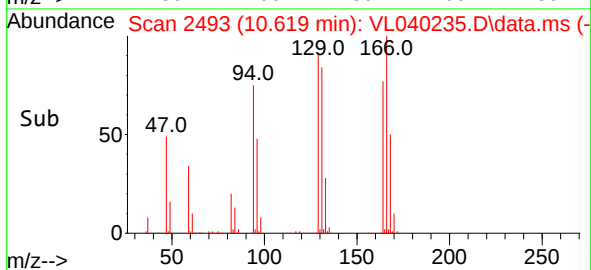
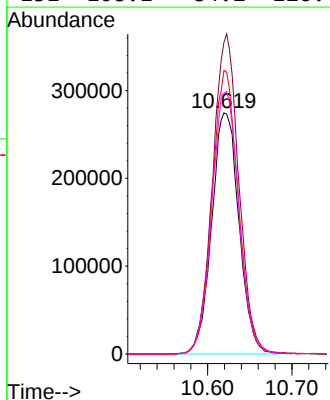
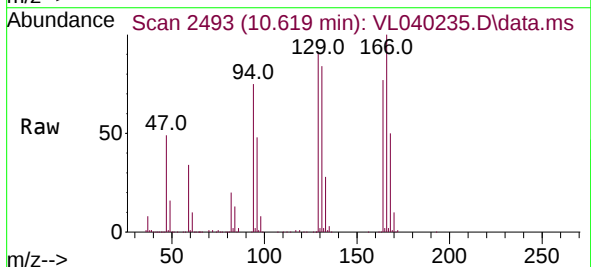
Manual Integrations
APPROVED

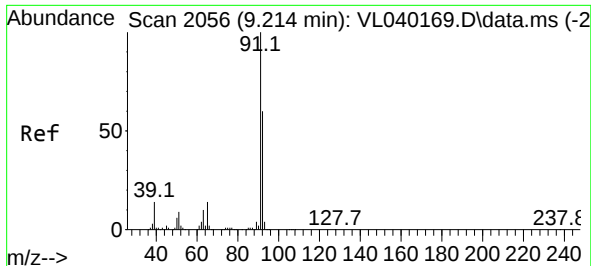
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#52
Tetrachloroethene
Concen: 10.733 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. 0.000 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

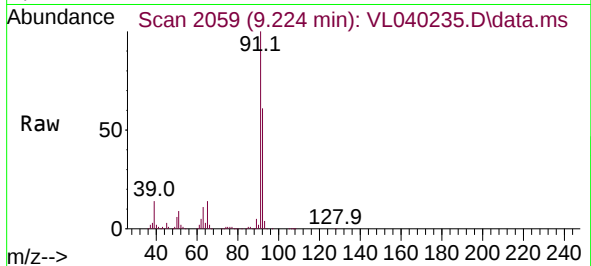
Tgt Ion:164 Resp: 613932
Ion Ratio Lower Upper
164 100
166 129.1 101.5 152.3
129 117.4 89.0 133.4
131 108.1 84.2 126.4





#53
Toluene
Concen: 10.780 ppbv
RT: 9.224 min Scan# 2056
Delta R.T. 0.007 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

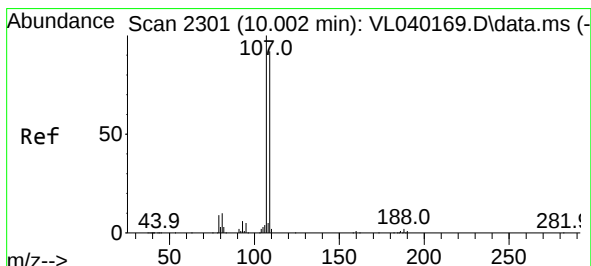
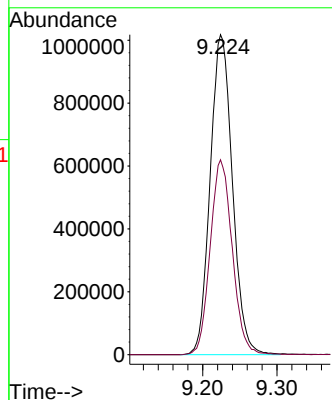
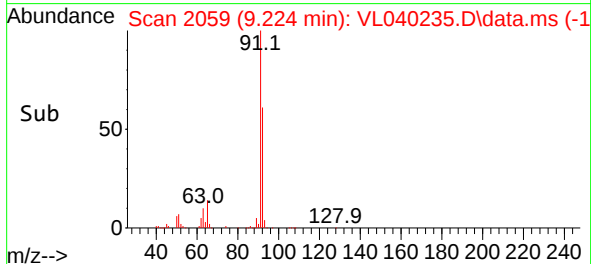
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



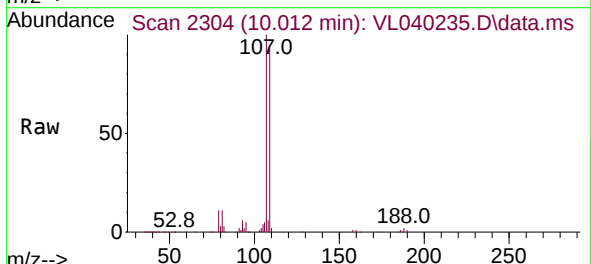
Tgt Ion: 91 Resp: 211488
Ion Ratio Lower Upper
91 100
92 60.6 48.9 73.3

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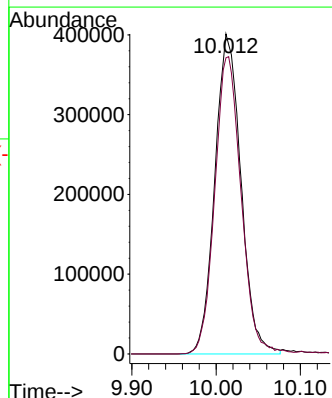
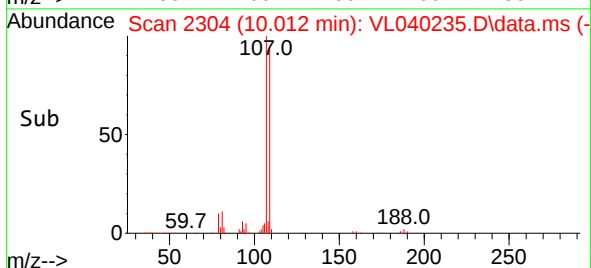
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023

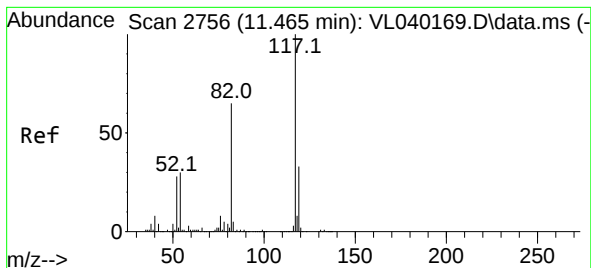


#54
1,2-Dibromoethane
Concen: 10.742 ppbv
RT: 10.012 min Scan# 2304
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37



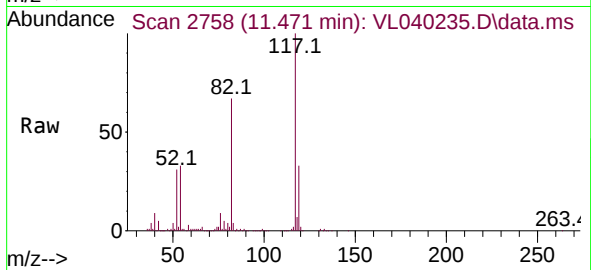
Tgt Ion:107 Resp: 861389
Ion Ratio Lower Upper
107 100
109 92.5 73.8 110.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2756
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

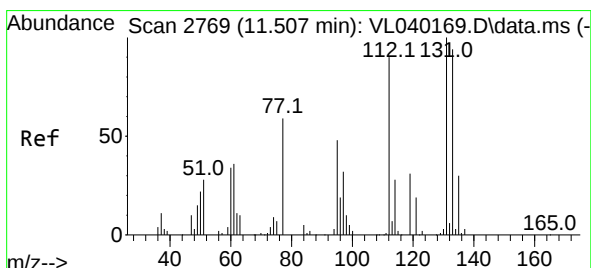
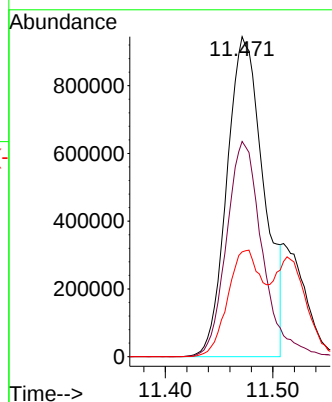
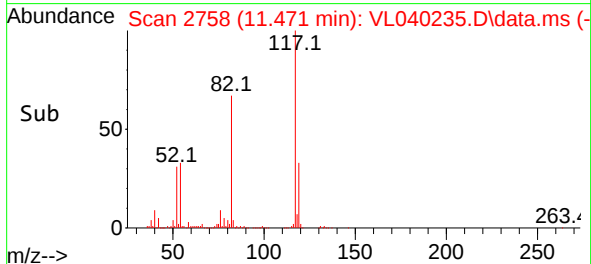
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



Tgt Ion:117 Resp: 224424
Ion Ratio Lower Upper
117 100
82 65.9 53.3 79.9
119 28.6 24.6 37.0

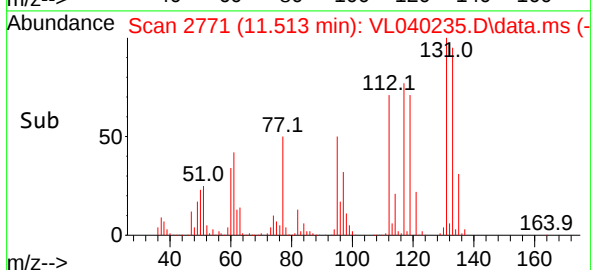
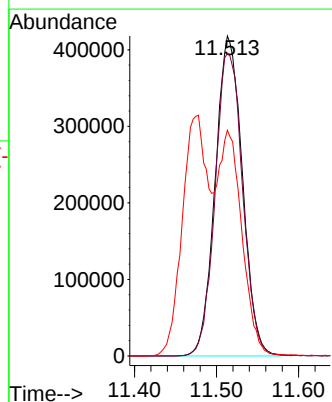
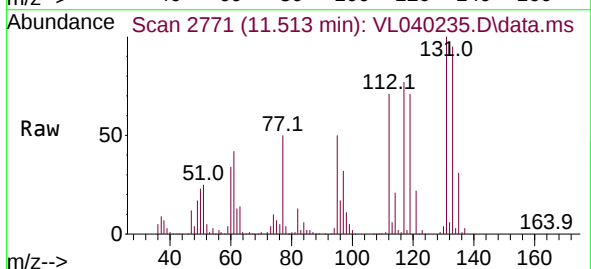
Manual Integrations
APPROVED

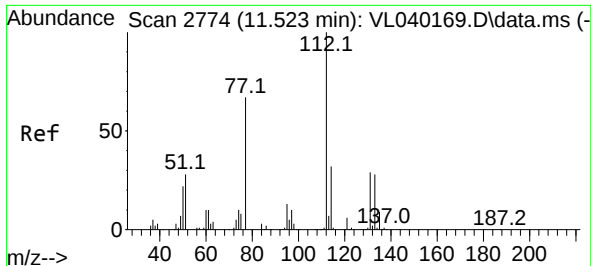
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 10.217 ppbv
RT: 11.513 min Scan# 2771
Delta R.T. 0.007 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

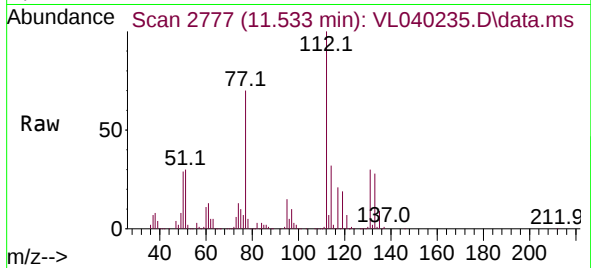
Tgt Ion:131 Resp: 962514
Ion Ratio Lower Upper
131 100
133 96.1 76.2 114.2
119 69.9 45.4 68.0#





#57
Chlorobenzene
Concen: 9.930 ppbv
RT: 11.533 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

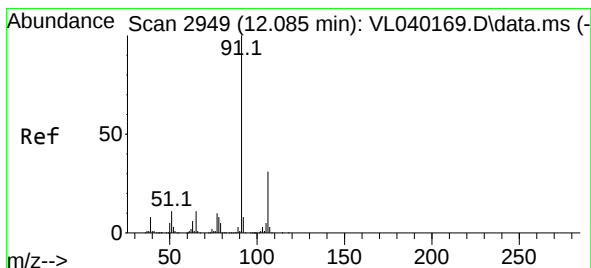
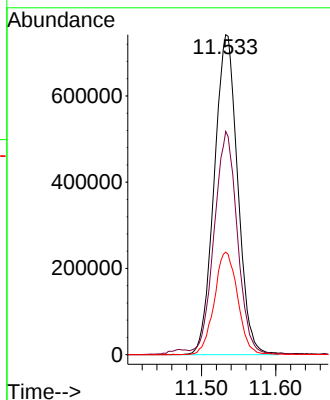
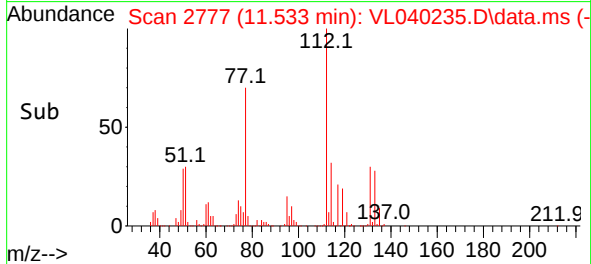
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



Tgt Ion: 112 Resp: 162819
Ion Ratio Lower Upper
112 100
77 69.4 55.0 82.4
114 31.9 29.0 35.4

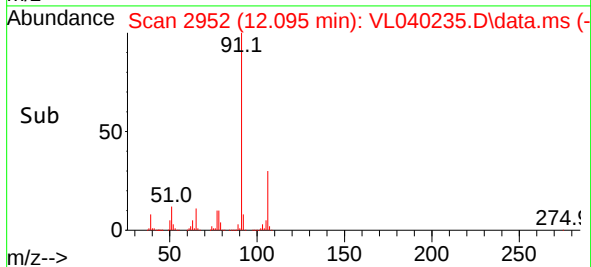
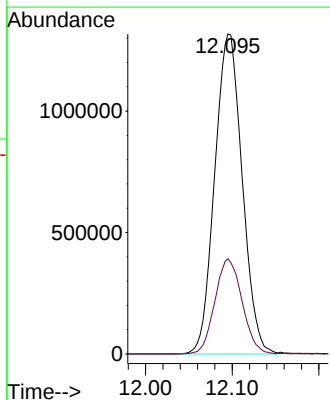
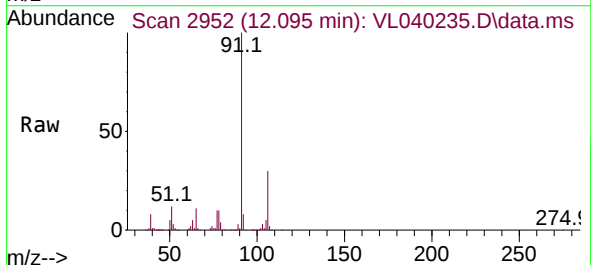
Manual Integrations
APPROVED

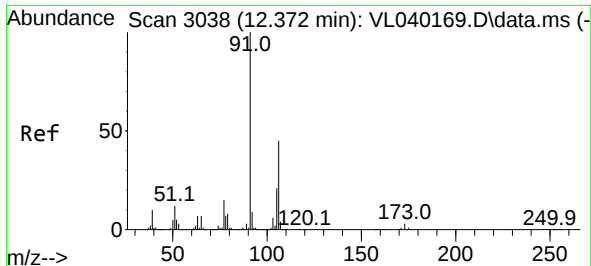
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#58
Ethyl Benzene
Concen: 10.638 ppbv
RT: 12.095 min Scan# 2952
Delta R.T. 0.007 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

Tgt Ion: 91 Resp: 2900758
Ion Ratio Lower Upper
91 100
106 29.8 24.9 37.3





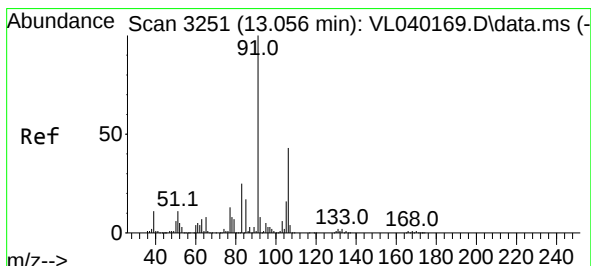
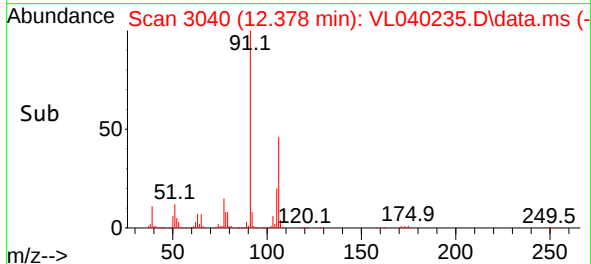
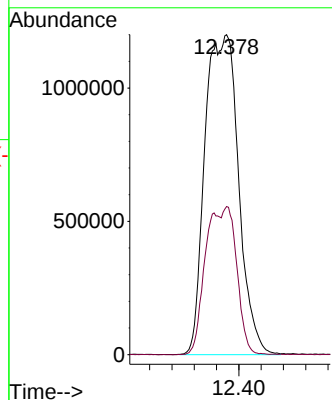
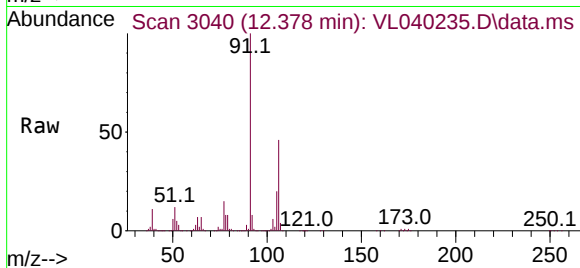
#59
m/p-Xylene
Concen: 20.786 ppbv m
RT: 12.378 min Scan# 3038
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02

Tgt Ion: 91 Resp: 502004
Ion Ratio Lower Upper
91 100
106 42.9 34.6 51.8

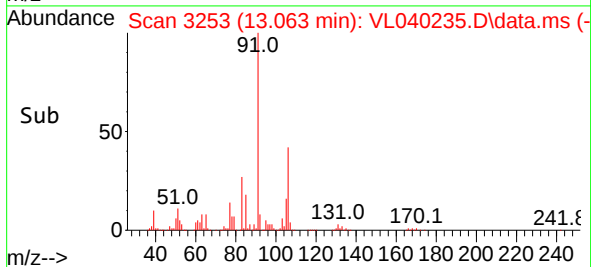
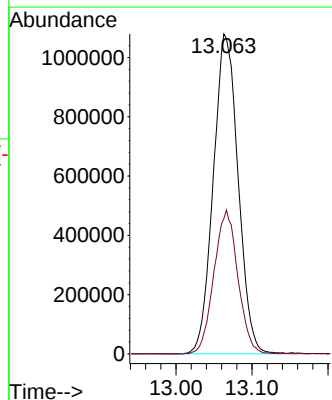
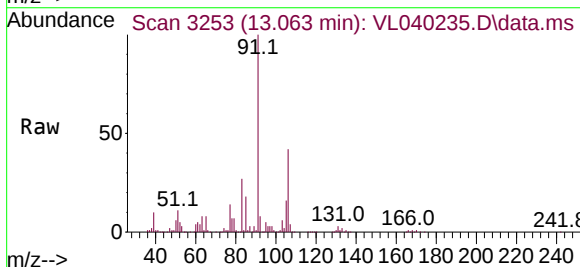
Manual Integrations
APPROVED

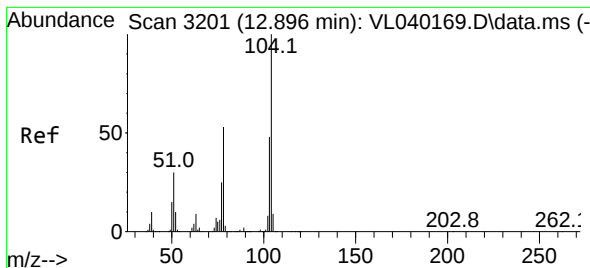
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#60
o-Xylene
Concen: 10.502 ppbv
RT: 13.063 min Scan# 3253
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

Tgt Ion: 91 Resp: 2440506
Ion Ratio Lower Upper
91 100
106 43.6 21.6 65.0





#61

Styrene

Concen: 11.094 ppbv

RT: 12.905 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02

Tgt Ion:104 Resp: 135353

Ion Ratio Lower Upper

104 100

78 54.5 42.3 63.5

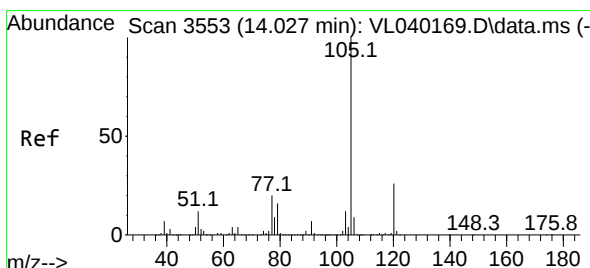
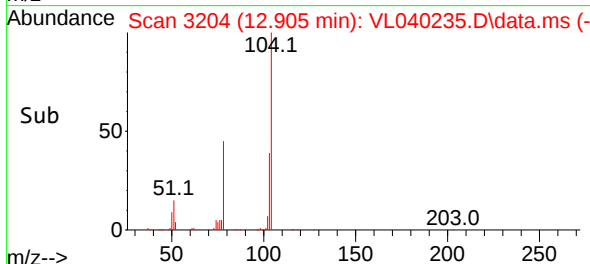
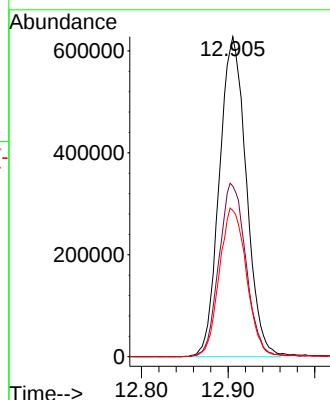
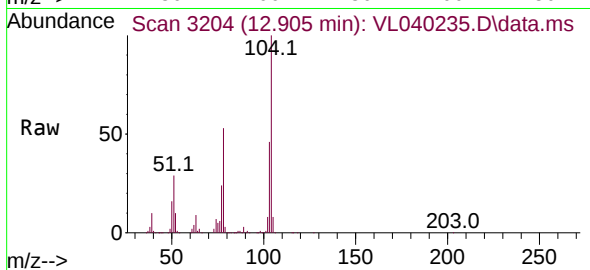
103 47.1 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#62

Isopropylbenzene

Concen: 10.189 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. 0.010 min

Lab File: VL040235.D

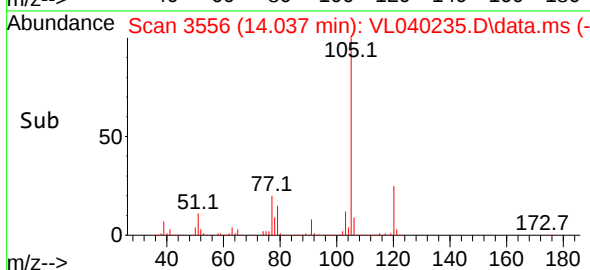
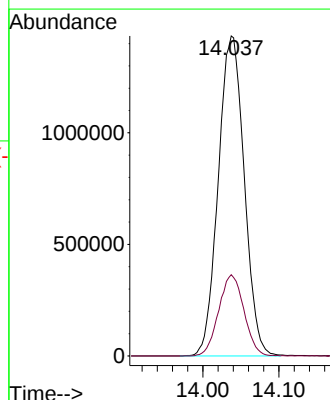
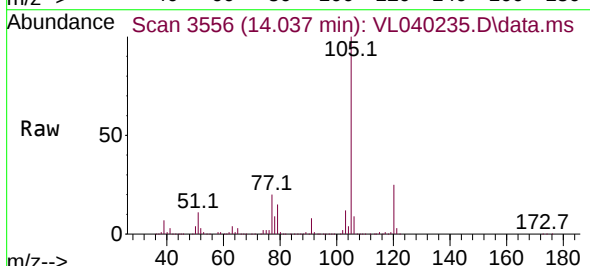
Acq: 27 Feb 2023 14:37

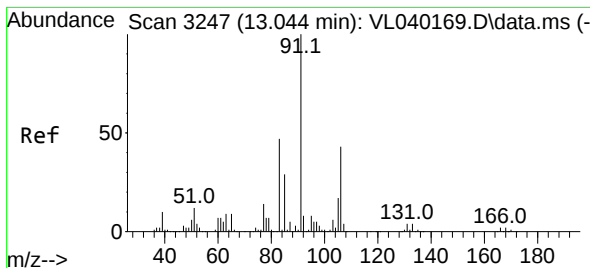
Tgt Ion:105 Resp: 3398506

Ion Ratio Lower Upper

105 100

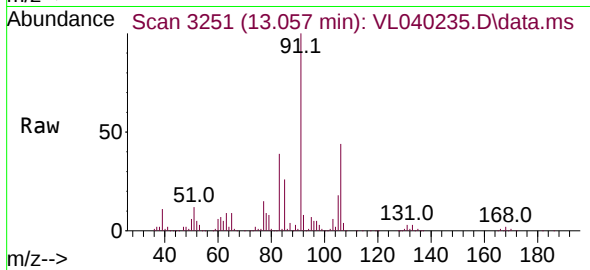
120 24.8 20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 9.511 ppbv
RT: 13.057 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

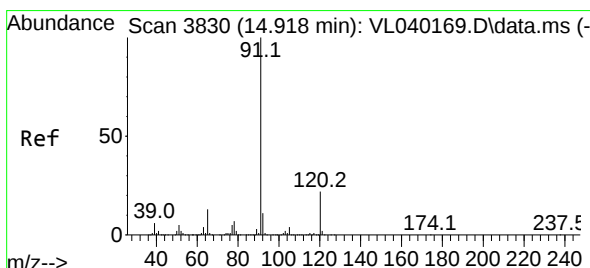
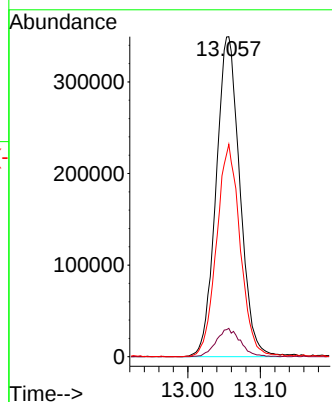
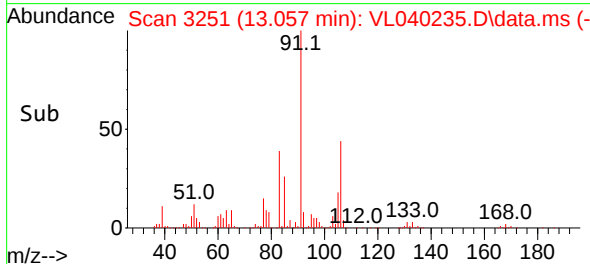
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



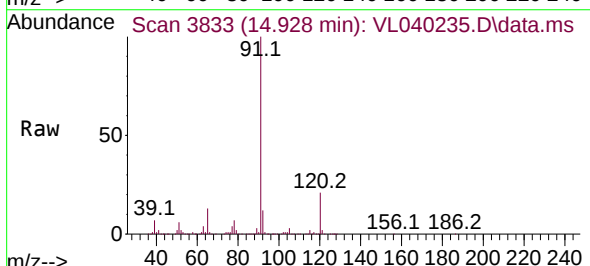
Tgt Ion: 83 Resp: 796490
Ion Ratio Lower Upper
83 100
131 9.0 4.4 13.2
85 66.4 33.0 99.0

Manual Integrations
APPROVED

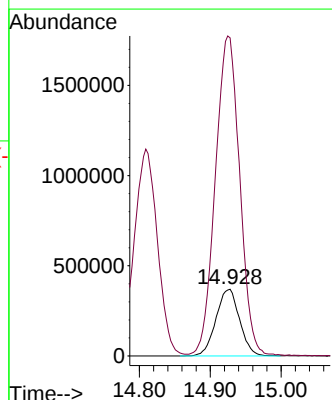
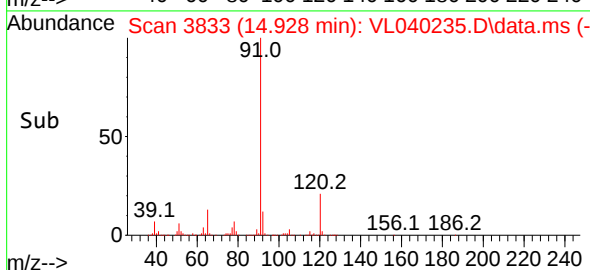
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023

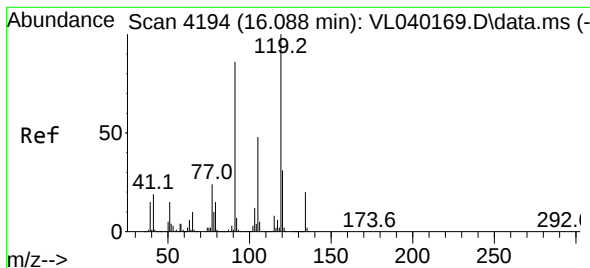


#64
n-propylbenzene
Concen: 10.374 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. 0.013 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37



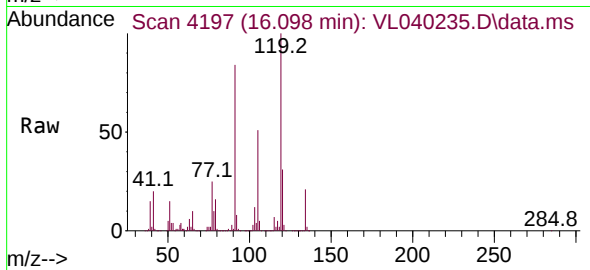
Tgt Ion:120 Resp: 856441
Ion Ratio Lower Upper
120 100
91 497.5 389.8 584.8





#65
tert-Butylbenzene
Concen: 10.157 ppbv
RT: 16.098 min Scan# 4194
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

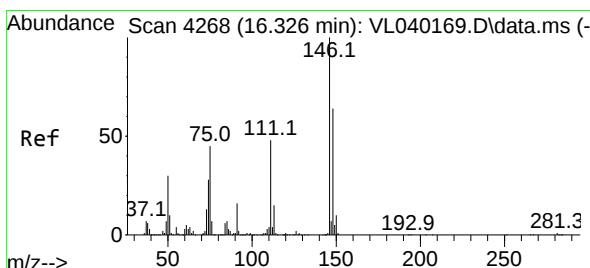
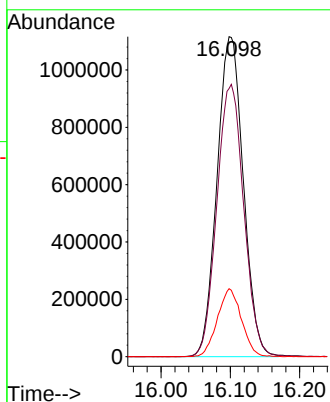
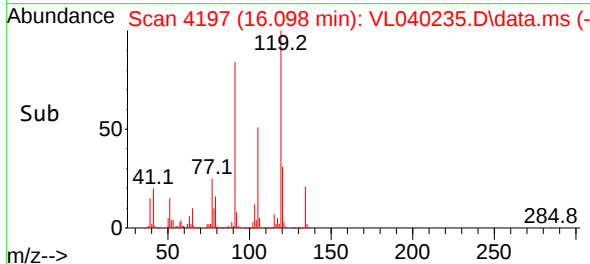
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



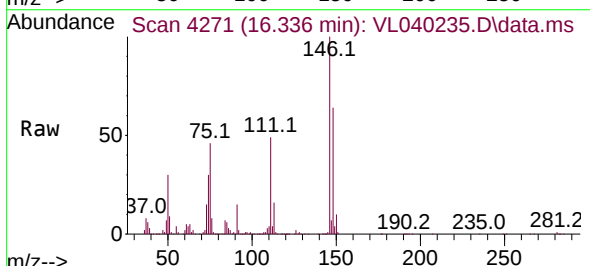
Tgt Ion:119 Resp: 2945038
Ion Ratio Lower Upper
119 100
91 87.3 68.6 102.8
134 19.5 15.9 23.9

Manual Integrations
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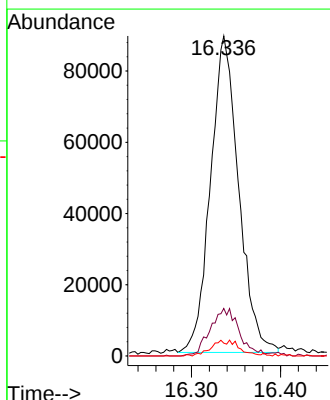
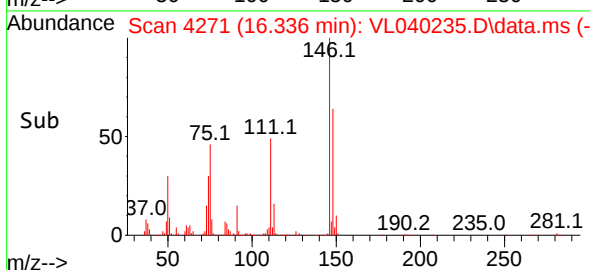
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023

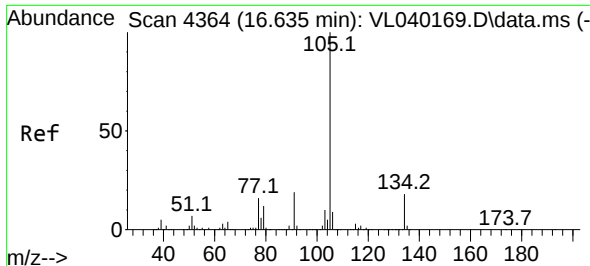


#66
Benzyl Chloride
Concen: 10.135 ppbv
RT: 16.336 min Scan# 4271
Delta R.T. 0.007 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37



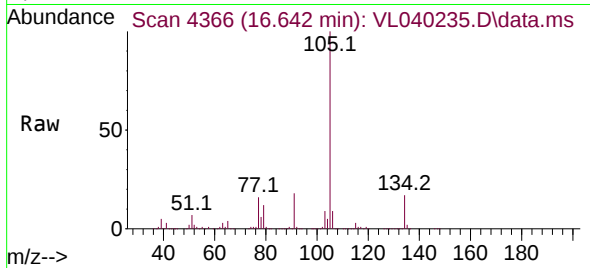
Tgt Ion: 91 Resp: 195546
Ion Ratio Lower Upper
91 100
126 16.0 13.1 19.7
128 5.0 4.1 6.1





#67
 sec-Butylbenzene
 Concen: 10.080 ppbv
 RT: 16.642 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040235.D
 Acq: 27 Feb 2023 14:37

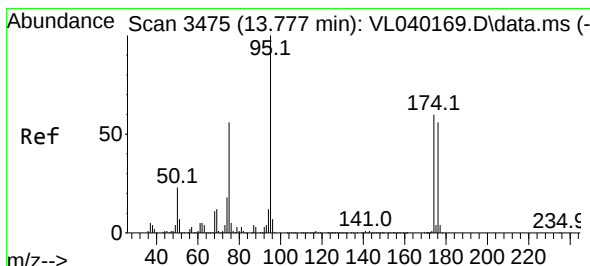
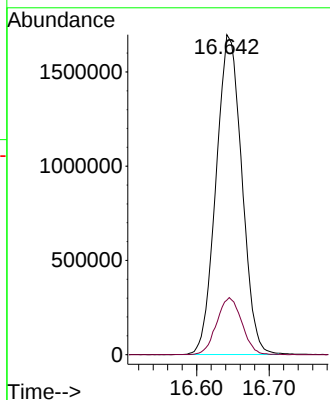
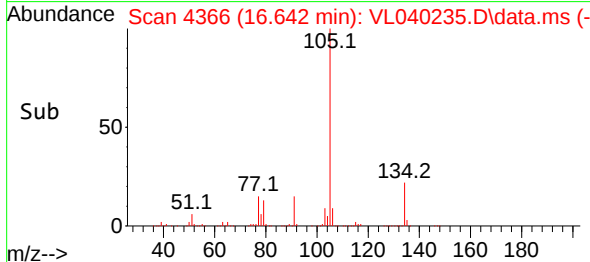
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS02



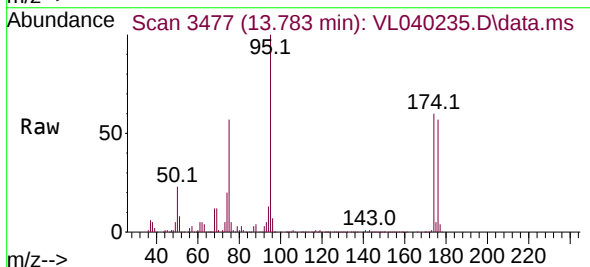
Tgt Ion:105 Resp: 4191614
 Ion Ratio Lower Upper
 105 100
 134 17.5 14.1 21.1

Manual Integrations
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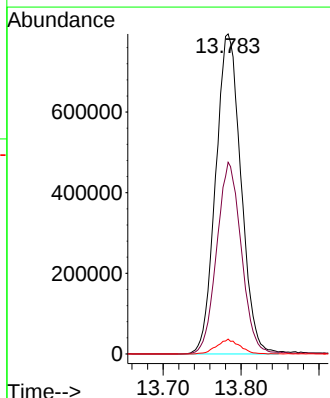
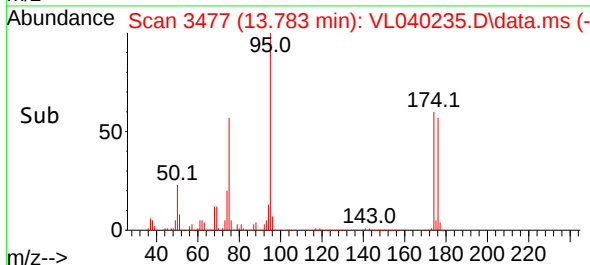
Reviewed By :Semsettin Yesilyurt 02/28/2023
 Supervised By :Mahesh Dadoda 02/28/2023

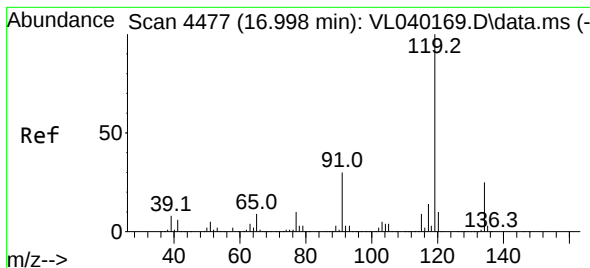


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.707 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. 0.007 min
 Lab File: VL040235.D
 Acq: 27 Feb 2023 14:37



Tgt Ion: 95 Resp: 1791361
 Ion Ratio Lower Upper
 95 100
 174 58.8 48.2 72.2
 175 4.2 3.4 5.2





#69

p-Isopropyltoluene

Concen: 10.114 ppbv

RT: 17.005 min Scan# 4477

Delta R.T. 0.007 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02

Tgt Ion:119 Resp: 333428

Ion Ratio Lower Upper

119 100

134 25.1 20.2 30.2

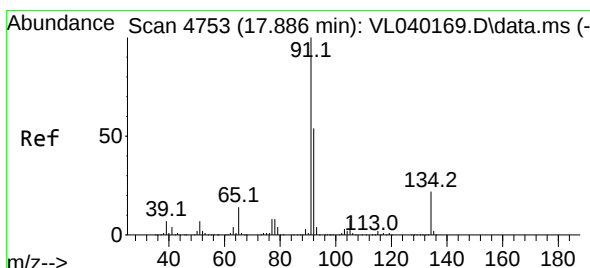
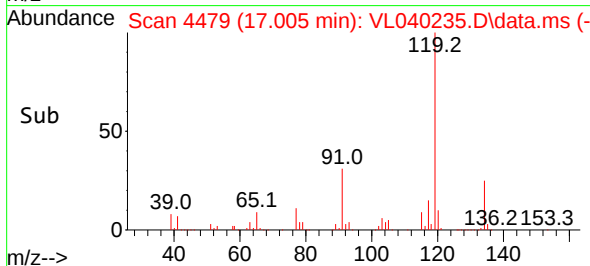
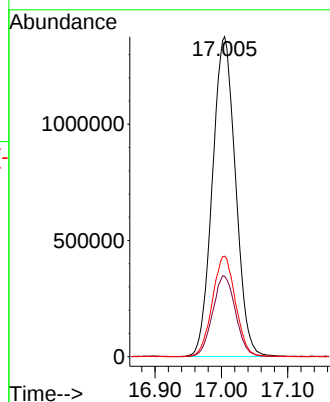
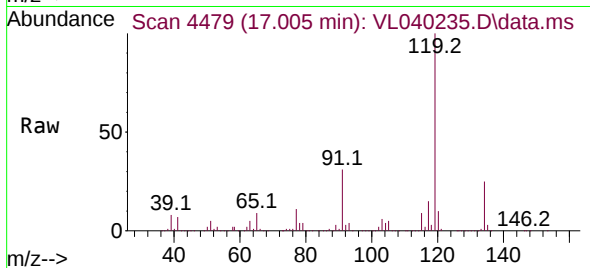
91 31.5 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#70

n-Butylbenzene

Concen: 10.155 ppbv

RT: 17.896 min Scan# 4756

Delta R.T. 0.007 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

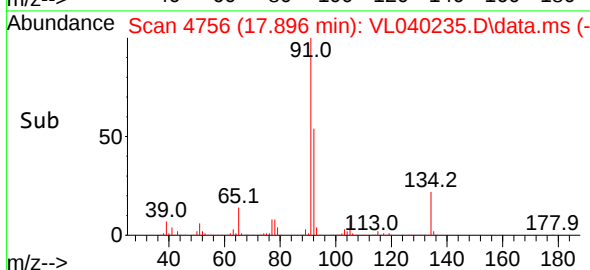
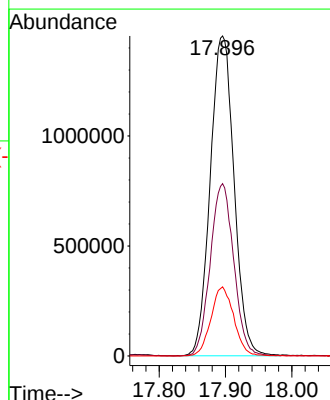
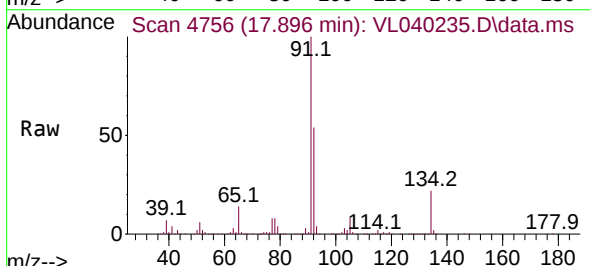
Tgt Ion: 91 Resp: 3633483

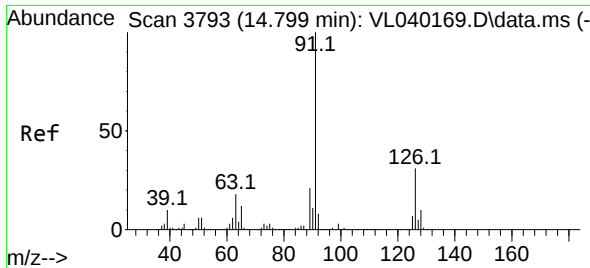
Ion Ratio Lower Upper

91 100

92 53.1 43.0 64.6

134 20.8 16.9 25.3





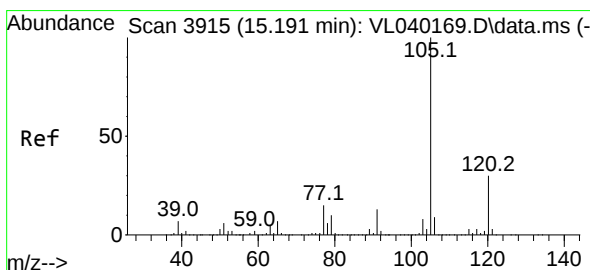
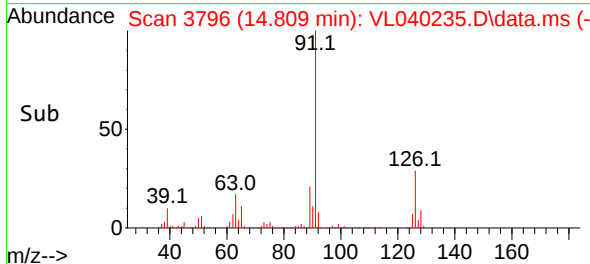
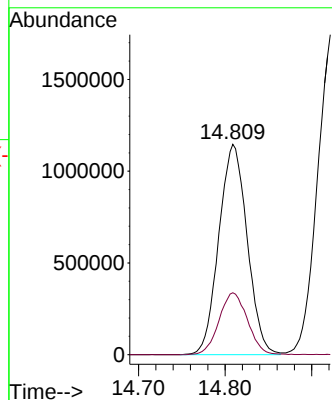
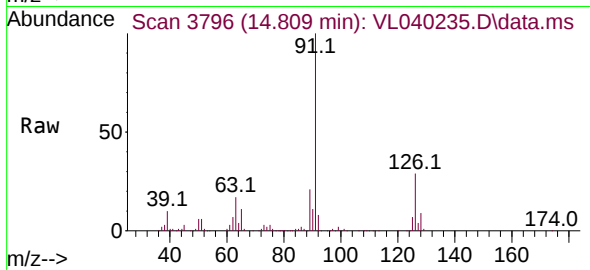
#71
2-Chlorotoluene
Concen: 10.206 ppbv
RT: 14.809 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02

Tgt Ion: 91 Resp: 2603744
Ion Ratio Lower Upper
91 100
126 29.6 12.0 48.2

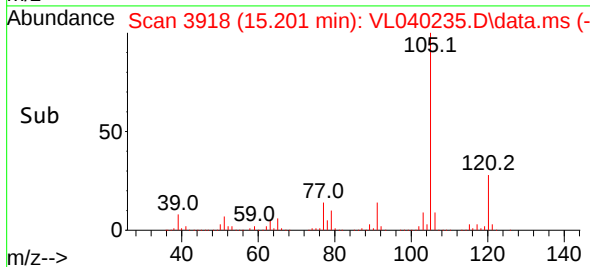
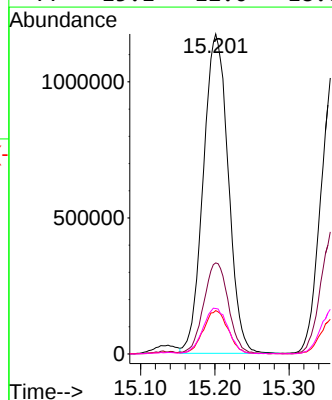
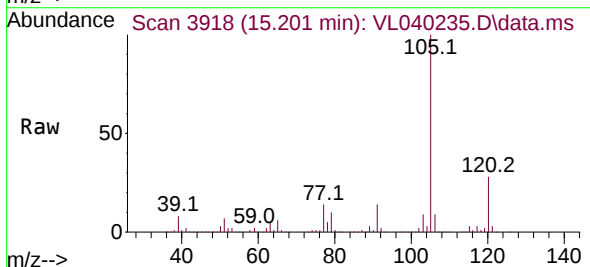
Manual Integrations
APPROVED

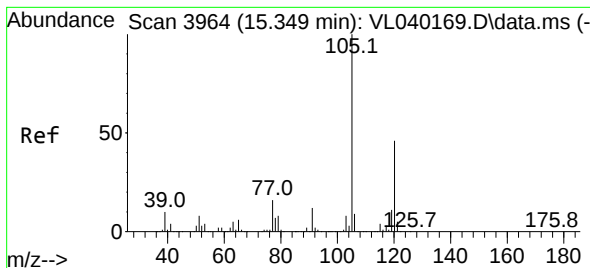
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#72
4-Ethyltoluene
Concen: 10.664 ppbv
RT: 15.201 min Scan# 3918
Delta R.T. 0.010 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

Tgt Ion:105 Resp: 2739557
Ion Ratio Lower Upper
105 100
120 28.4 23.2 34.8
91 14.0 11.3 16.9
77 15.1 12.0 18.0





#73

1,3,5-Trimethylbenzene

Concen: 10.151 ppbv

RT: 15.362 min Scan# 3968

Delta R.T. 0.007 min

Lab File: VL040235.D

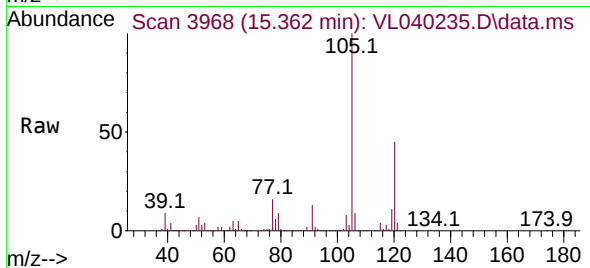
Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02



Tgt Ion:105 Resp: 2426502

Ion Ratio Lower Upper

105 100

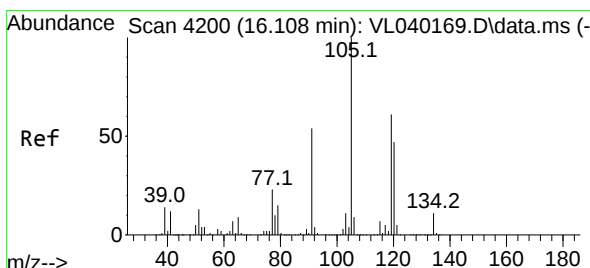
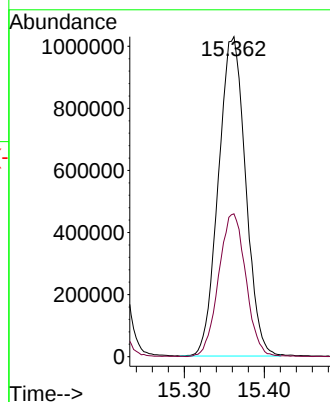
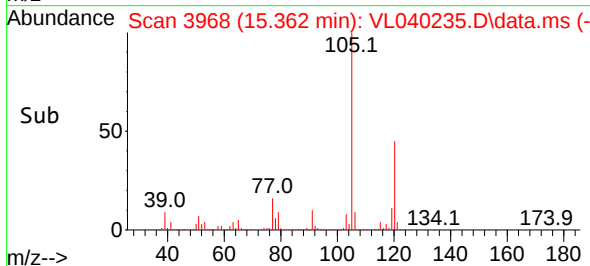
120 44.7 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#74

1,2,4-Trimethylbenzene

Concen: 10.044 ppbv

RT: 16.121 min Scan# 4204

Delta R.T. 0.013 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

Tgt Ion:105 Resp: 2637072

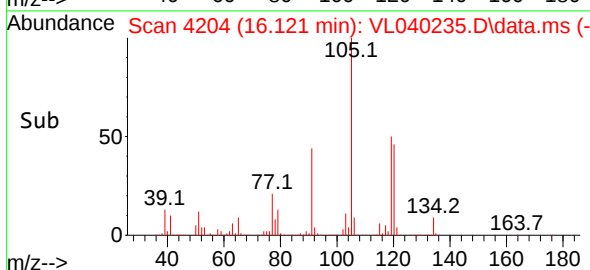
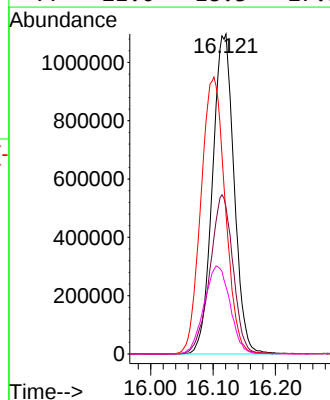
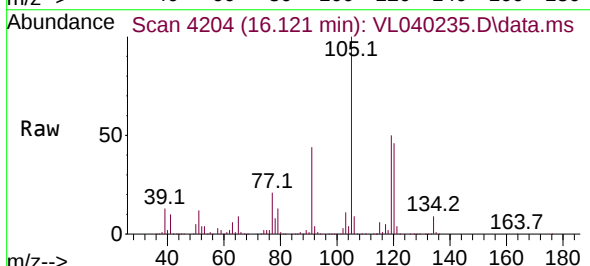
Ion Ratio Lower Upper

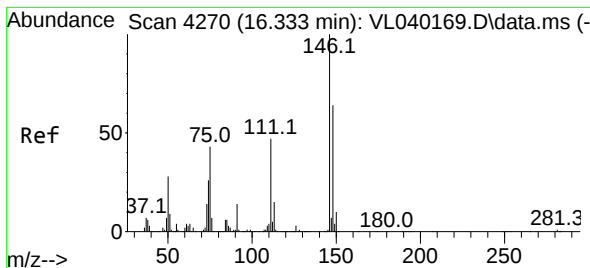
105 100

120 45.8 37.9 56.9

91 43.8 43.7 65.5

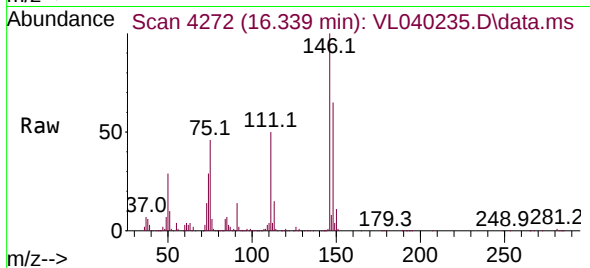
77 21.0 18.3 27.5





#75
1,3-Dichlorobenzene
Concen: 9.785 ppbv
RT: 16.339 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37

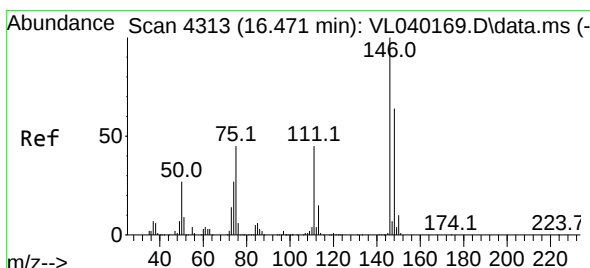
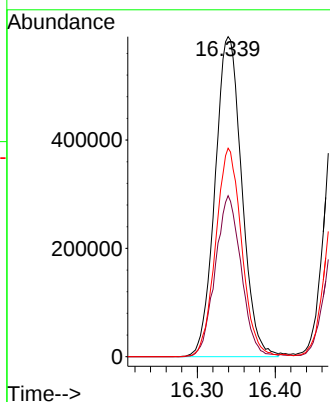
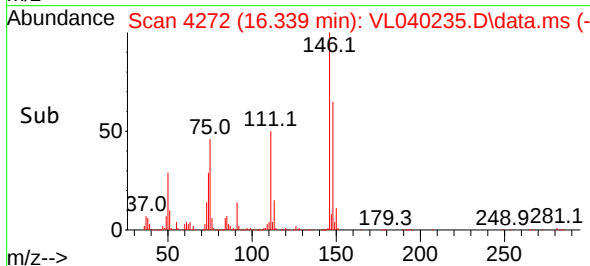
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS02



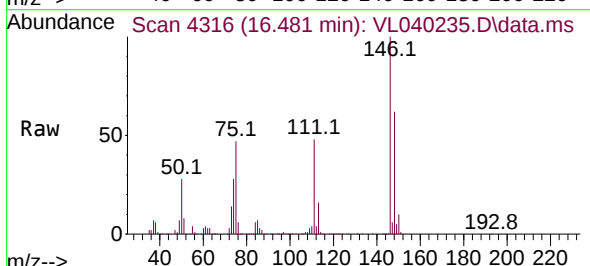
Tgt Ion:146 Resp: 140604
Ion Ratio Lower Upper
146 100
111 49.0 23.9 71.8
148 63.7 32.1 96.5

Manual Integrations
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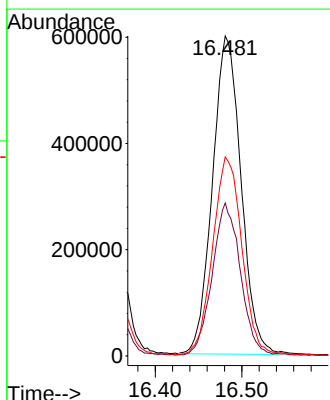
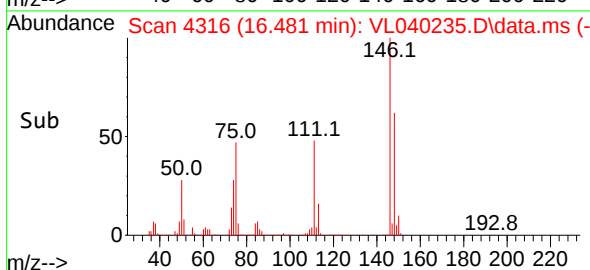
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023

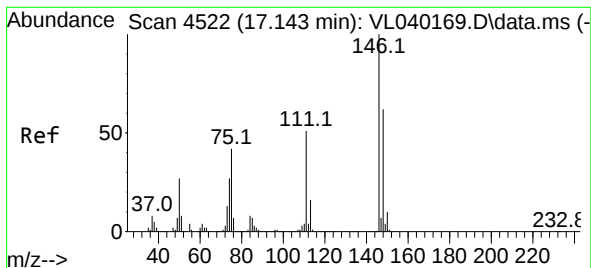


#76
1,4-Dichlorobenzene
Concen: 9.730 ppbv
RT: 16.481 min Scan# 4316
Delta R.T. 0.007 min
Lab File: VL040235.D
Acq: 27 Feb 2023 14:37



Tgt Ion:146 Resp: 1370049
Ion Ratio Lower Upper
146 100
111 48.1 23.5 70.5
148 64.2 32.5 97.4





#77

1,2-Dichlorobenzene

Concen: 9.420 ppbv

RT: 17.153 min Scan# 4522

Delta R.T. 0.010 min

Lab File: VL040235.D

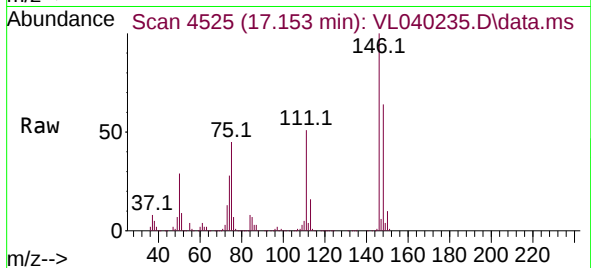
Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02



Tgt Ion:146 Resp: 134446

Ion Ratio Lower Upper

146 100

111 51.2 25.3 75.8

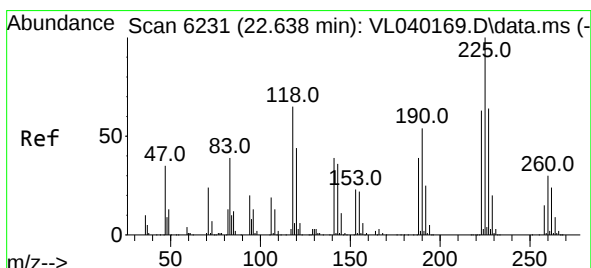
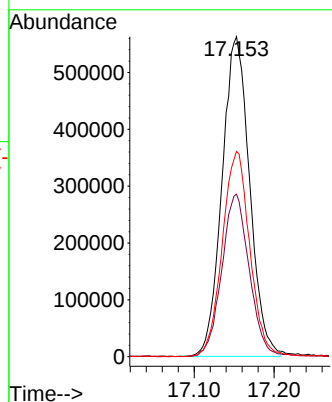
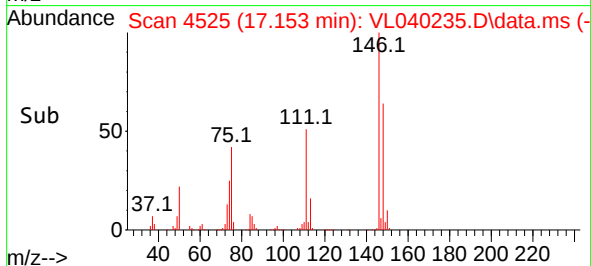
148 64.6 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#78

Hexachloro-1,3-Butadiene

Concen: 9.098 ppbv

RT: 22.648 min Scan# 6234

Delta R.T. 0.013 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

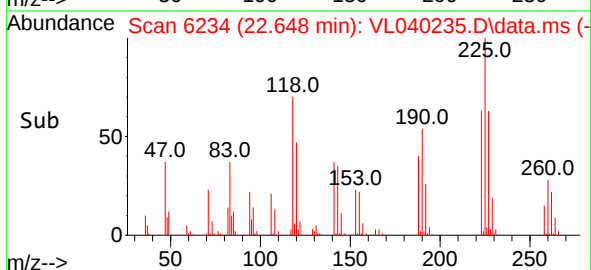
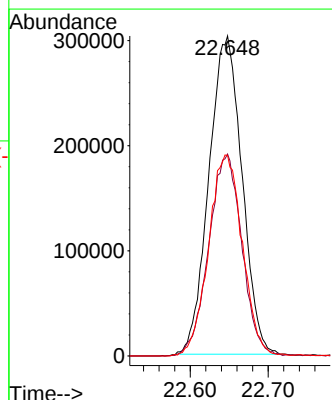
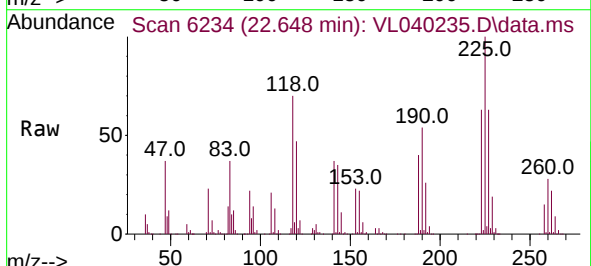
Tgt Ion:225 Resp: 892096

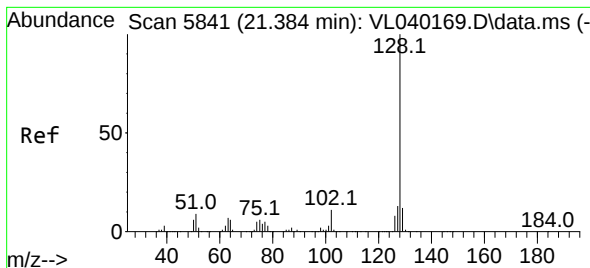
Ion Ratio Lower Upper

225 100

223 63.8 51.0 76.6

227 64.8 51.2 76.8





#79

Naphthalene

Concen: 12.211 ppbv

RT: 21.397 min Scan# 5845

Delta R.T. 0.007 min

Lab File: VL040235.D

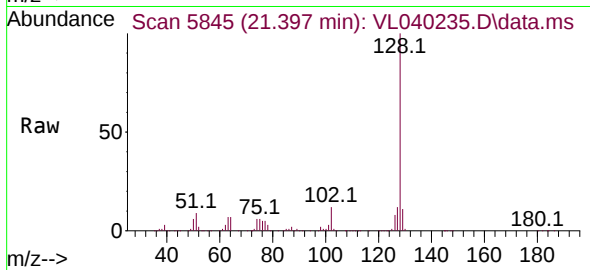
Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02



Tgt Ion:128 Resp: 180126

Ion Ratio Lower Upper

128 100

127 12.1 10.2 15.4

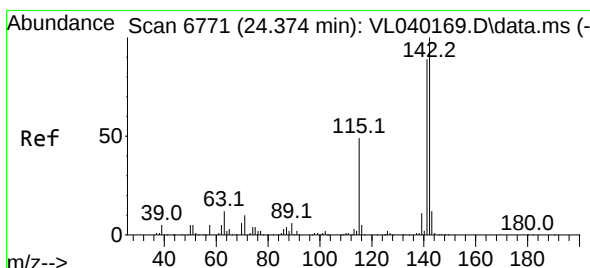
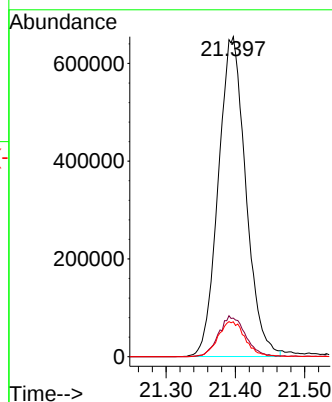
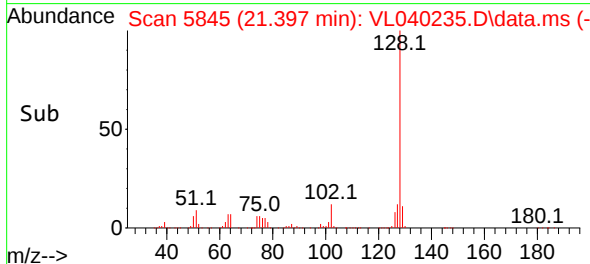
129 10.9 9.4 14.0

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#80

Naphthalene,2-methyl-

Concen: 8.803 ppbv

RT: 24.381 min Scan# 6773

Delta R.T. 0.000 min

Lab File: VL040235.D

Acq: 27 Feb 2023 14:37

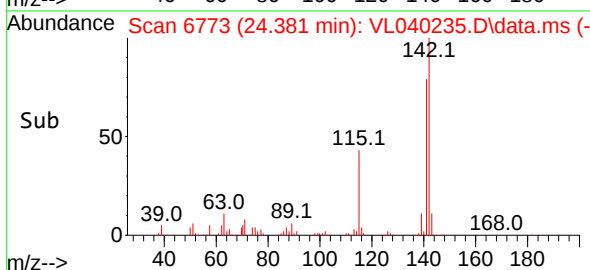
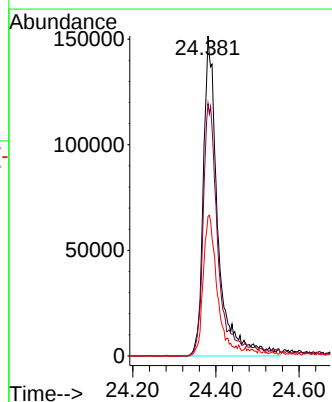
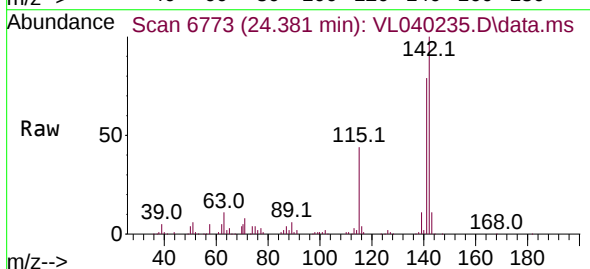
Tgt Ion:142 Resp: 369273

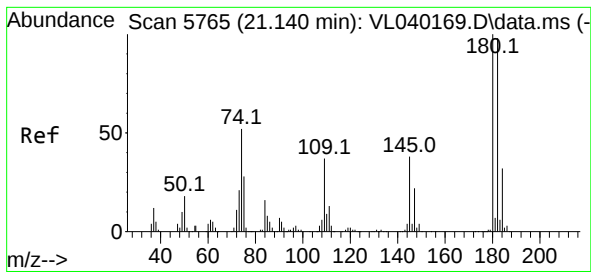
Ion Ratio Lower Upper

142 100

141 81.5 67.3 100.9

115 45.2 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 10.569 ppbv

RT: 21.149 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL040235.D

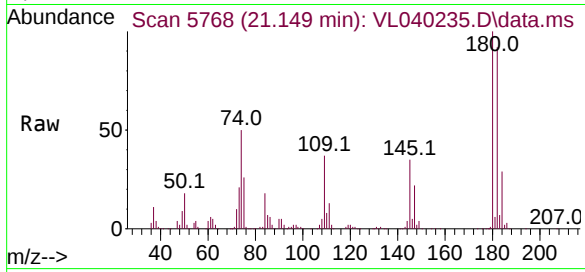
Acq: 27 Feb 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS02



Tgt Ion:180 Resp: 97558

Ion Ratio Lower Upper

180 100

182 95.7 79.0 118.6

184 30.7 24.6 36.8

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