

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040351.D
 Acq On : 13 Apr 2023 00:42
 Operator : SY/MD
 Sample : VL0412ABS03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS03

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/13/2023
 Supervised By : Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 08:16:06 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

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

QLast Update : Tue Apr 11 04:15:53 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	958379	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2398902	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2464140m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 1994240 9.664 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1402999	7.461	ppbv	99
3) Chlorodifluoromethane	2.661	51	1134666	9.415	ppbv	100
4) Chloromethane	2.800	50	706850	9.499	ppbv	96
5) Vinyl Chloride	2.909	62	616120	10.225	ppbv	97
6) Bromomethane	3.108	94	202268	9.680	ppbv	92
7) Chloroethane	3.189	64	231161	9.993	ppbv	98
8) Dichlorotetrafluoroethane	2.845	85	1575402	9.788	ppbv	99
9) Propene	2.681	41	443677	9.610	ppbv	97
10) Heptane	7.584	43	1141746	10.282	ppbv	99
11) Trichlorofluoromethane	3.555	101	1646427	9.664	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	1140088	8.911	ppbv	97
13) Ethanol	3.234	45	28760m	8.494	ppbv	
14) Bromoethene	3.359	108	487585	10.216	ppbv	98
15) Acetone	3.459	43	1076737	9.228	ppbv	100
16) 1,3-Butadiene	2.973	39	527761	9.951	ppbv	98
17) tert-Butyl alcohol	3.870	59	1125988	10.154	ppbv	100
18) 1,1-Dichloroethene	3.873	96	521531	9.501	ppbv	98
19) Isopropyl Alcohol	3.568	45	531004	9.501	ppbv	99
20) Methylene Chloride	3.925	84	427743	8.714	ppbv	96
21) Allyl Chloride	3.989	41	730176	9.661	ppbv	98
22) trans-1,2-Dichloroethene	4.439	96	523145	9.364	ppbv	95
23) Vinyl Acetate	4.623	43	324679	10.002	ppbv	97
24) 1,1-Dichloroethane	4.558	63	1051546	9.082	ppbv	98
25) Ethyl Acetate	5.201	43	2115775	9.686	ppbv	100
26) Hexane	5.211	57	894221	9.973	ppbv	97
27) Carbon Disulfide	4.118	76	1276028	10.189	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	929550	9.029	ppbv	100
29) Chloroform	5.275	83	1570214	9.917	ppbv	100
30) Cyclohexane	6.603	84	753033	10.658	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	915783	10.488	ppbv	99
32) 1,1,1-Trichloroethane	6.002	97	1594151	10.509	ppbv	99
34) 2-Butanone	4.783	43	1199933	10.135	ppbv	100
35) Carbon Tetrachloride	6.497	117	1641939	10.907	ppbv	99
36) Benzene	6.375	78	1860182	10.175	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1221244	10.263	ppbv	100
38) Trichloroethene	7.298	130	1130111	11.312	ppbv	98
39) 1,2-Dichloropropane	7.076	63	725898	10.121	ppbv	98
40) 1,4-Dioxane	7.291	88	261568	9.218	ppbv #	1
41) Tetrahydrofuran	5.558	42	673525	9.857	ppbv	99
42) Bromodichloromethane	7.253	83	1688186	10.382	ppbv	96
43) Methyl Methacrylate	7.478	69	738693	10.873	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	3160951	10.370	ppbv	100
45) t-1,3-Dichloropropene	8.719	75	700403	11.826	ppbv	99

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Quant Time: Apr 13 08:16:06 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

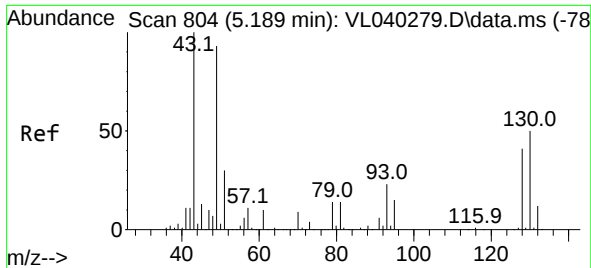
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Apr 11 04:15:53 2023

Response via : Initial Calibration

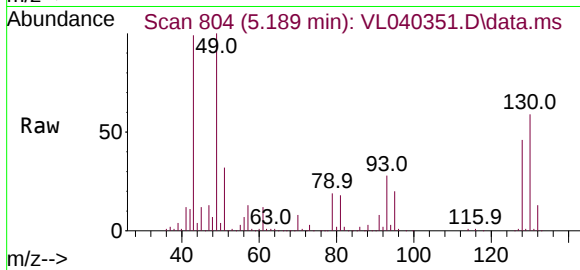
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	973165	11.571	ppbv	99
47) 1,1,2-Trichloroethane	8.905	97	775257	10.130	ppbv	98
48) Dibromochloromethane	9.719	129	1313679	10.431	ppbv	100
49) Bromoform	12.423	173	995561	10.525	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	1883496	10.280	ppbv	98
51) 2-Hexanone	9.558	43	1383022	9.744	ppbv	98
52) Tetrachloroethene	10.626	164	601932	10.883	ppbv	98
53) Toluene	9.230	91	2111461	11.021	ppbv	99
54) 1,2-Dibromoethane	10.021	107	833551	10.582	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.523	131	960670	9.268	ppbv	98
57) Chlorobenzene	11.539	112	1588757	9.064	ppbv	97
58) Ethyl Benzene	12.101	91	2850771	10.160	ppbv	96
59) m/p-Xylene	12.384	91	5015164m	19.512	ppbv	
60) o-Xylene	13.072	91	2395600	9.750	ppbv	100
61) Styrene	12.912	104	1318580	10.575	ppbv	100
62) Isopropylbenzene	14.043	105	3368696	9.627	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	748820	8.661	ppbv	100
64) n-propylbenzene	14.928	120	863332	10.082	ppbv	98
65) tert-Butylbenzene	16.104	119	3002114	9.956	ppbv	99
66) Benzyl Chloride	16.342	91	198128	10.110	ppbv	100
67) sec-Butylbenzene	16.651	105	4373092	10.141	ppbv	99
69) p-Isopropyltoluene	17.011	119	3550424	10.572	ppbv	100
70) n-Butylbenzene	17.902	91	4001346	10.815	ppbv	100
71) 2-Chlorotoluene	14.812	91	2613120	9.812	ppbv	100
72) 4-Ethyltoluene	15.207	105	2786962	10.374	ppbv	98
73) 1,3,5-Trimethylbenzene	15.365	105	2489677	10.231	ppbv	99
74) 1,2,4-Trimethylbenzene	16.121	105	2793073	10.065	ppbv	92
75) 1,3-Dichlorobenzene	16.346	146	1541619	10.257	ppbv	100
76) 1,4-Dichlorobenzene	16.487	146	1494196	10.423	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	1517774	10.506	ppbv	100
78) Hexachloro-1,3-Butadiene	22.654	225	1060119	10.006	ppbv	98
79) Naphthalene	21.400	128	2114396	12.880	ppbv	97
80) Naphthalene,2-methyl-	24.387	142	272261	6.548	ppbv	95
81) 1,2,4-Trichlorobenzene	21.156	180	1147229	11.346	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.000 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

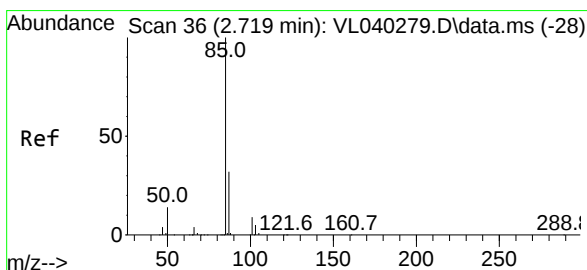
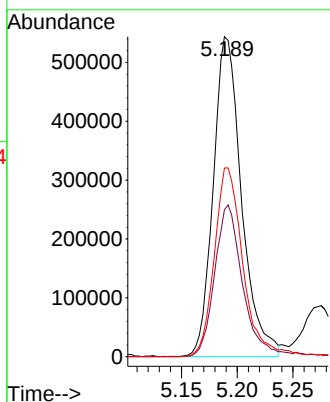
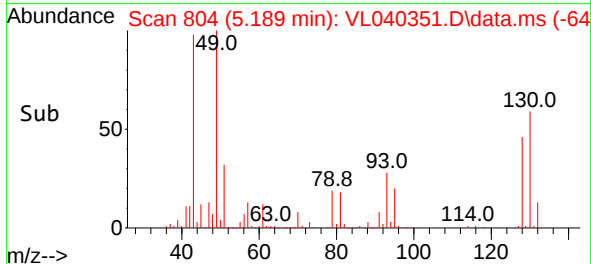
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03



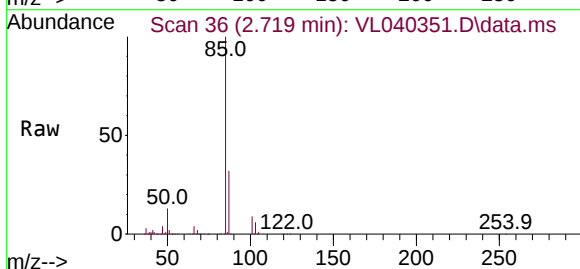
Tgt Ion: 49 Resp: 958379
Ion Ratio Lower Upper
49 100
128 48.5 22.4 67.3
130 60.8 28.7 86.1

Manual Integrations
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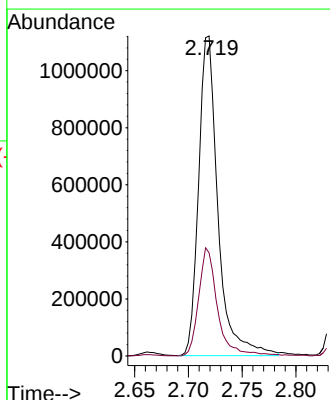
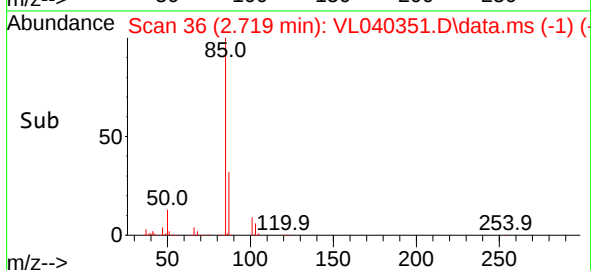
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

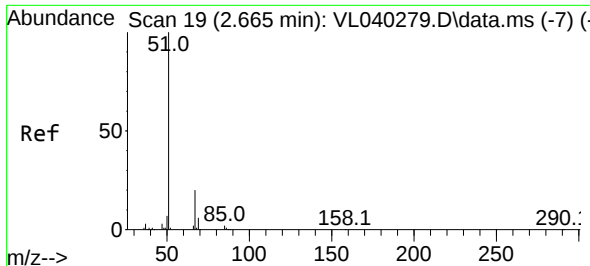


#2
Dichlorodifluoromethane
Concen: 7.461 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.000 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42



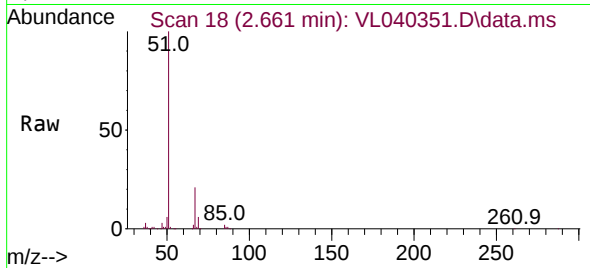
Tgt Ion: 85 Resp: 1402999
Ion Ratio Lower Upper
85 100
87 32.3 25.5 38.3





#3
Chlorodifluoromethane
Concen: 9.415 ppbv
RT: 2.661 min Scan# 11
Delta R.T. -0.004 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

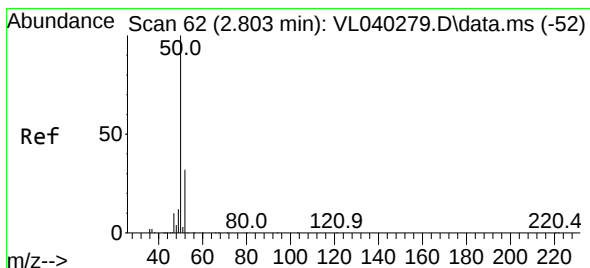
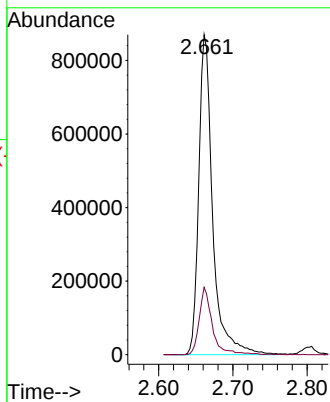
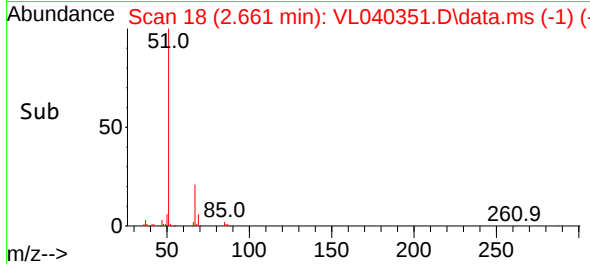
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03



Tgt Ion: 51 Resp: 113466
Ion Ratio Lower Upper
51 100
67 20.0 16.0 24.0

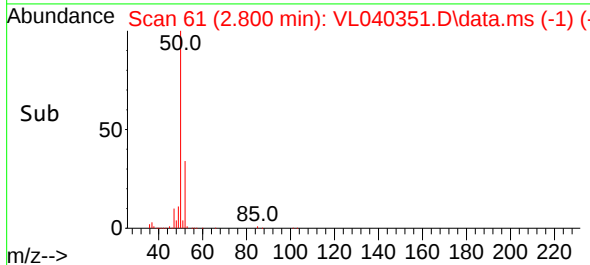
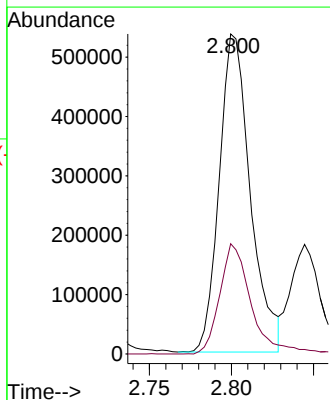
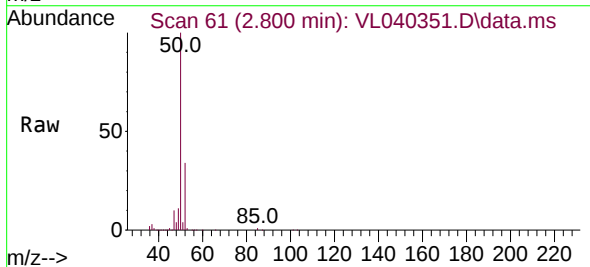
Manual Integrations
APPROVED

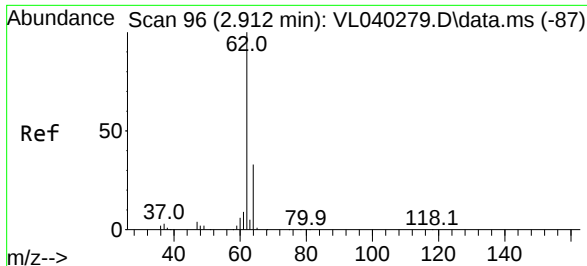
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#4
Chloromethane
Concen: 9.499 ppbv
RT: 2.800 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

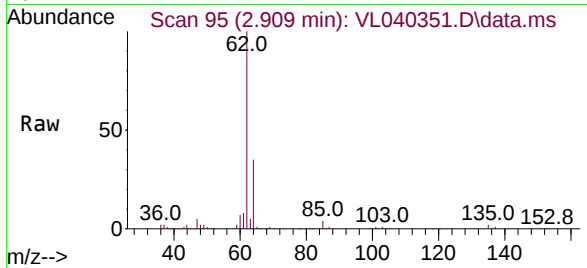
Tgt Ion: 50 Resp: 706850
Ion Ratio Lower Upper
50 100
52 34.7 25.9 38.9





#5
 Vinyl Chloride
 Concen: 10.225 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VL040351.D
 Acq: 13 Apr 2023 00:42

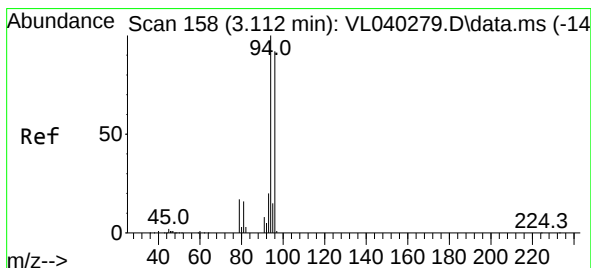
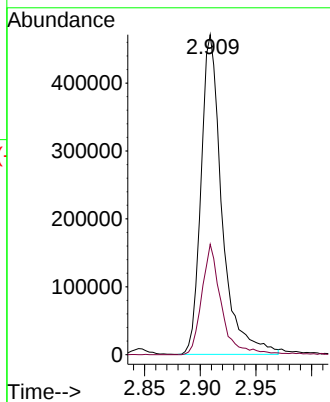
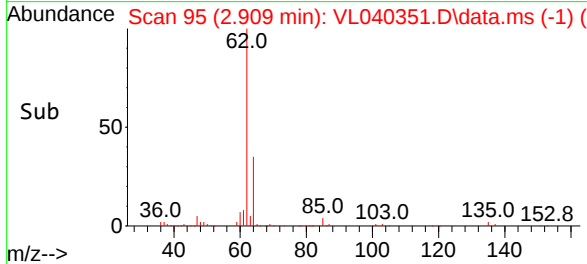
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS03



Tgt Ion: 62 Resp: 616120
 Ion Ratio Lower Upper
 62 100
 64 34.5 26.4 39.6

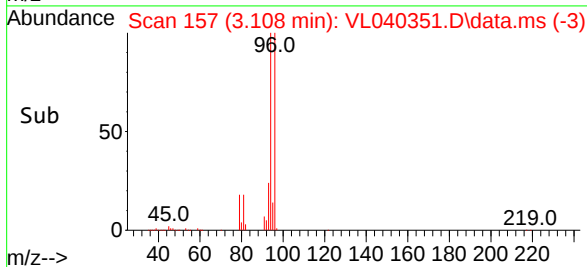
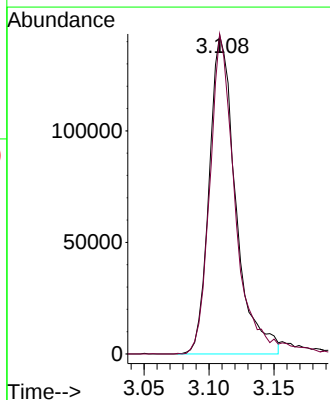
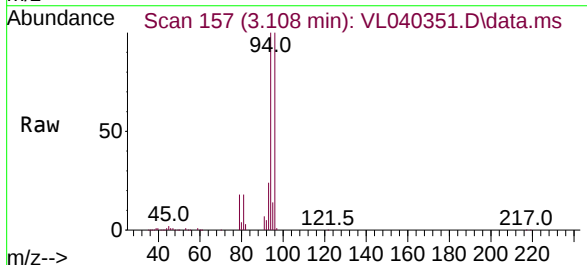
Manual Integrations
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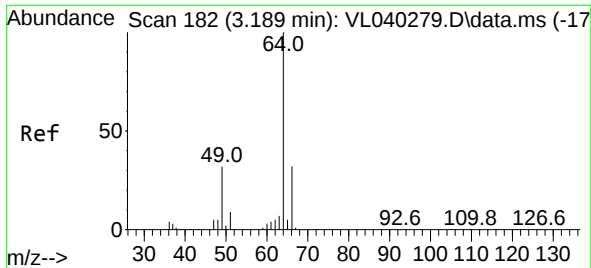
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023



#6
 Bromomethane
 Concen: 9.680 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. -0.004 min
 Lab File: VL040351.D
 Acq: 13 Apr 2023 00:42

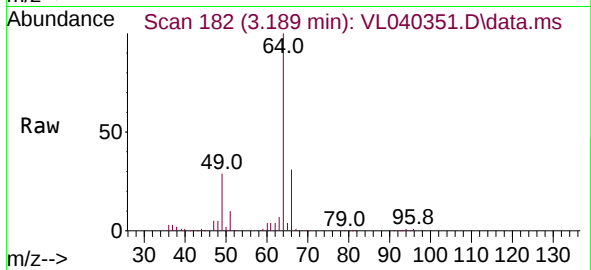
Tgt Ion: 94 Resp: 202268
 Ion Ratio Lower Upper
 94 100
 96 100.2 73.7 110.5





#7
Chloroethane
Concen: 9.993 ppbv
RT: 3.189 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

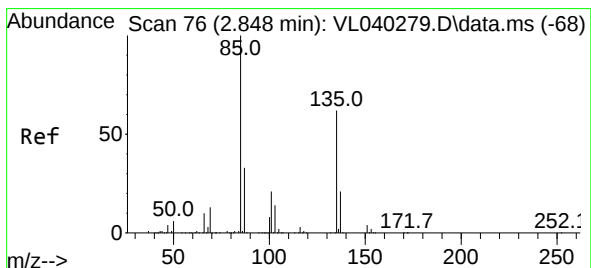
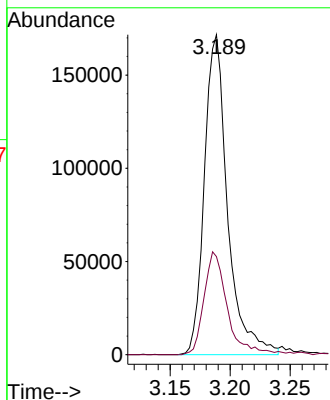
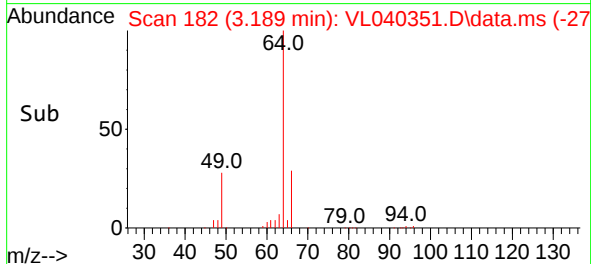
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03



Tgt Ion: 64 Resp: 23116
Ion Ratio Lower Upper
64 100
66 30.7 25.5 38.3

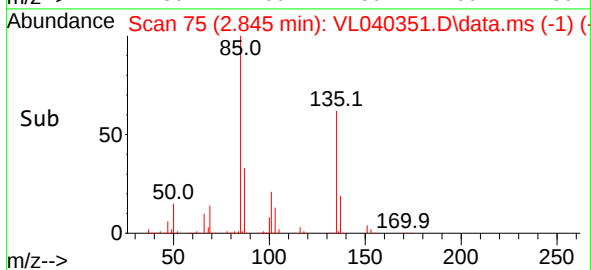
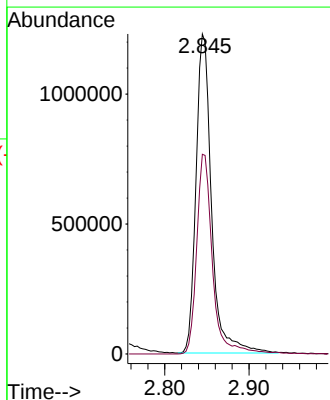
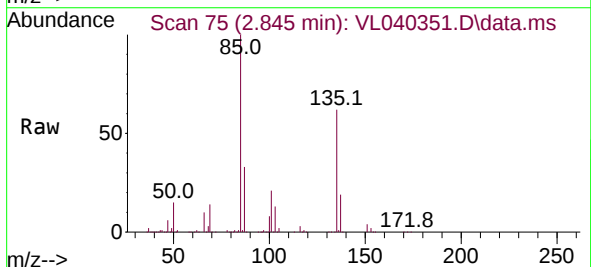
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Supervised By :Mahesh Dadoda 04/13/2023

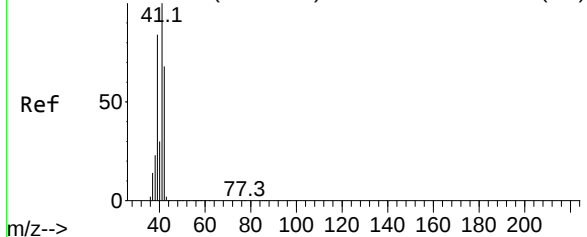


#8
Dichlorotetrafluoroethane
Concen: 9.788 ppbv
RT: 2.845 min Scan# 75
Delta R.T. -0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

Tgt Ion: 85 Resp: 1575402
Ion Ratio Lower Upper
85 100
135 64.1 52.0 78.0



Abundance Scan 25 (2.684 min): VL040279.D\data.ms (-15)



#9

Propene

Concen: 9.610 ppbv

RT: 2.681 min Scan# 24

Delta R.T. -0.003 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03

Tgt Ion: 41 Resp: 44367

Ion Ratio Lower Upper

41 100

42 71.6 59.0 88.4

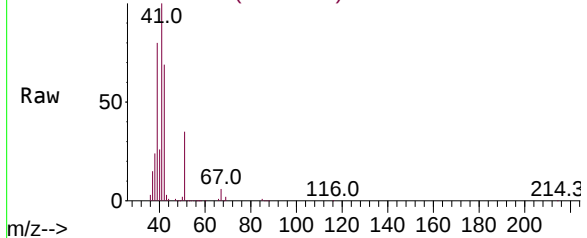
Manual Integrations

APPROVED

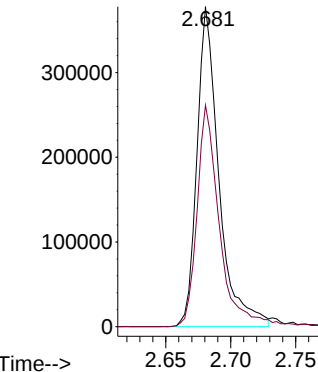
Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023

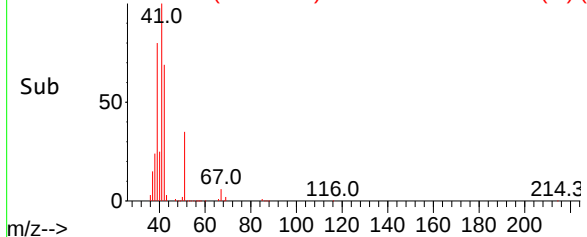
Abundance Scan 24 (2.681 min): VL040351.D\data.ms



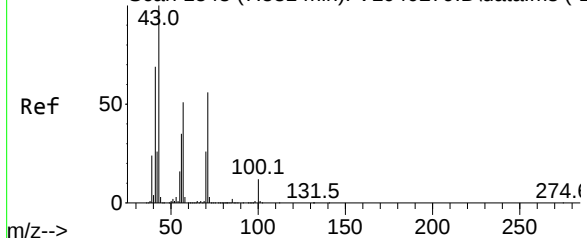
Abundance



Abundance Scan 24 (2.681 min): VL040351.D\data.ms (-1)



Abundance Scan 1548 (7.581 min): VL040279.D\data.ms (-1)



#10

Heptane

Concen: 10.282 ppbv

RT: 7.584 min Scan# 1549

Delta R.T. 0.003 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

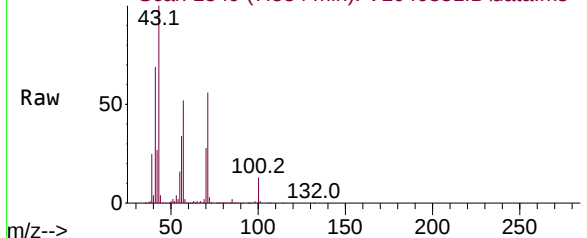
Tgt Ion: 43 Resp: 1141746

Ion Ratio Lower Upper

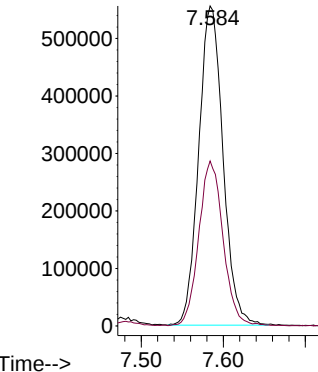
43 100

57 51.6 41.7 62.5

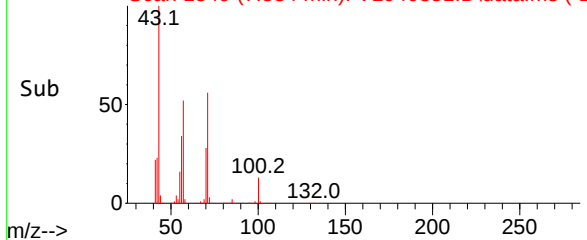
Abundance Scan 1549 (7.584 min): VL040351.D\data.ms

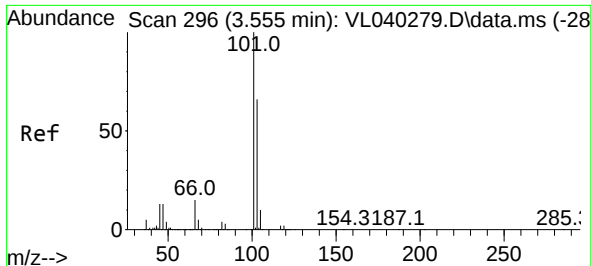


Abundance



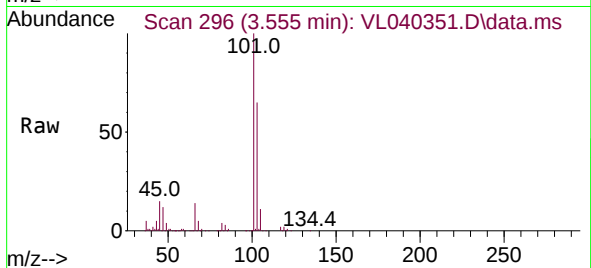
Abundance Scan 1549 (7.584 min): VL040351.D\data.ms (-1)





#11
Trichlorofluoromethane
Concen: 9.664 ppbv
RT: 3.555 min Scan# 296
Delta R.T. 0.000 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

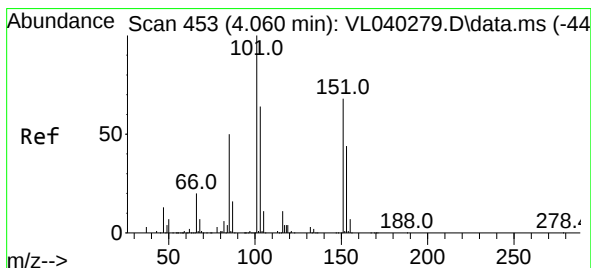
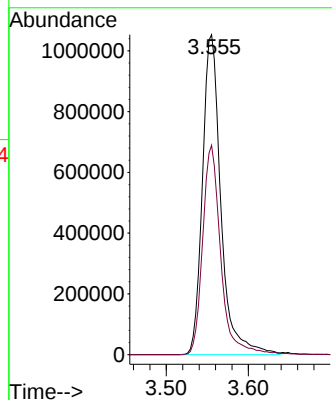
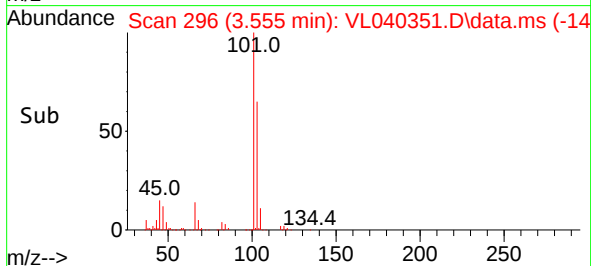
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03



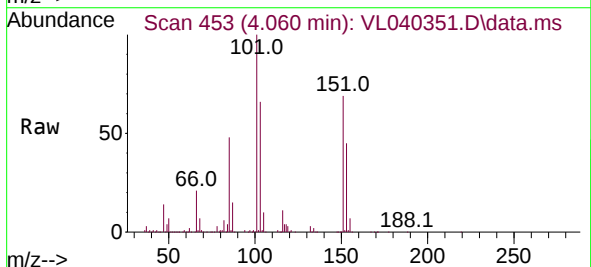
Tgt Ion:101 Resp: 164642
Ion Ratio Lower Upper
101 100
103 65.5 53.1 79.7

Manual Integrations
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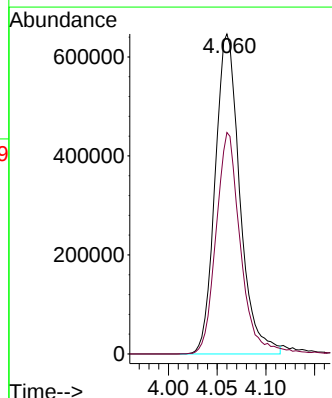
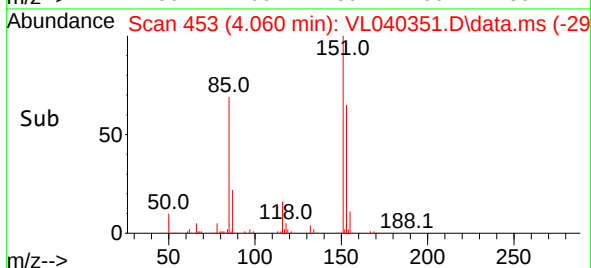
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

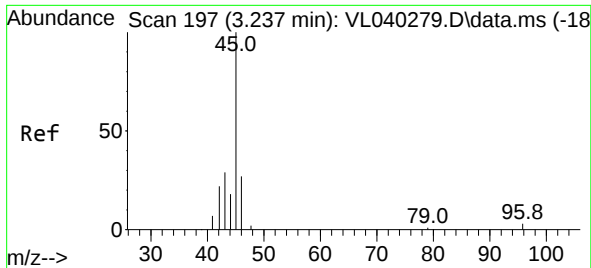


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.911 ppbv
RT: 4.060 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42



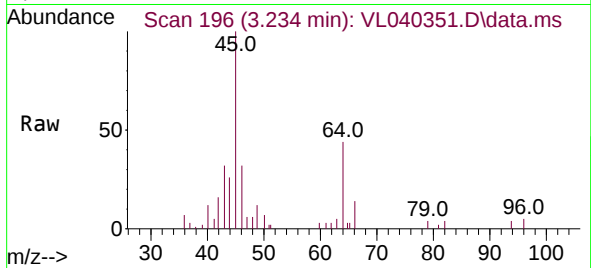
Tgt Ion:101 Resp: 1140088
Ion Ratio Lower Upper
101 100
151 69.1 53.2 79.8





#13
Ethanol
Concen: 8.494 ppbv m
RT: 3.234 min Scan# 196
Delta R.T. -0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

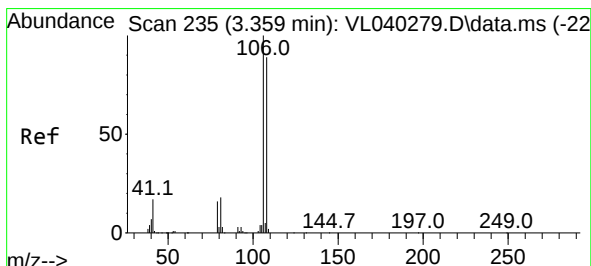
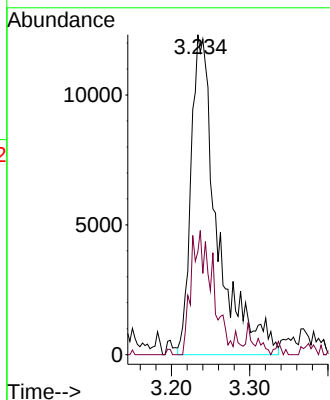
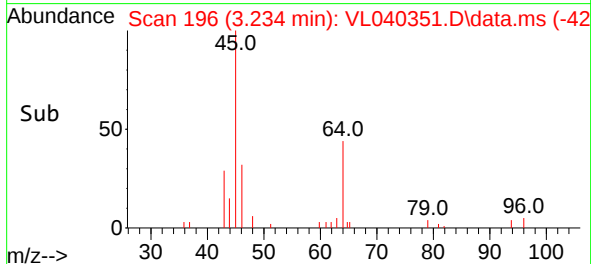
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03



Tgt Ion: 45 Resp: 28760
Ion Ratio Lower Upper
45 100
46 37.4 15.0 60.2

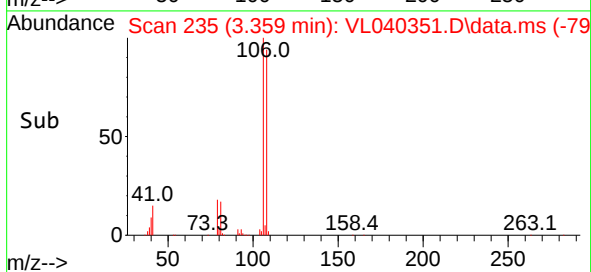
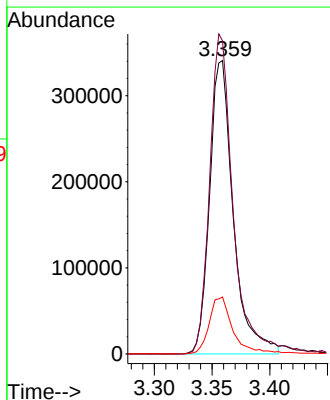
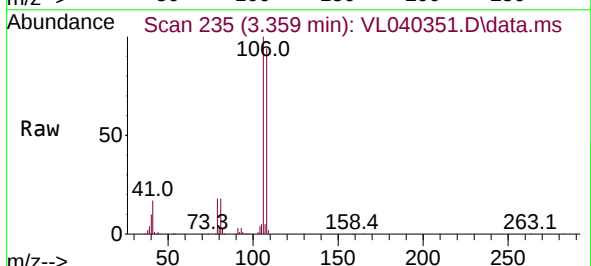
Manual Integrations
APPROVED

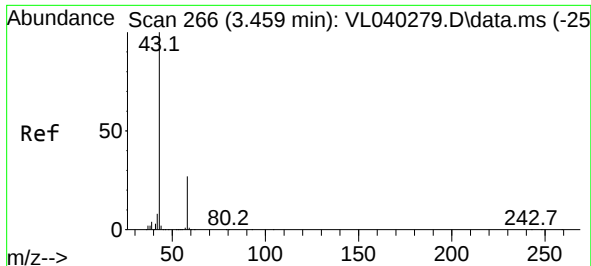
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#14
Bromoethene
Concen: 10.216 ppbv
RT: 3.359 min Scan# 235
Delta R.T. -0.000 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

Tgt Ion:108 Resp: 487585
Ion Ratio Lower Upper
108 100
106 110.0 85.8 128.8
79 20.1 15.8 23.6





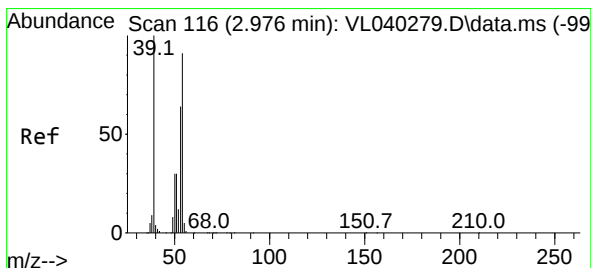
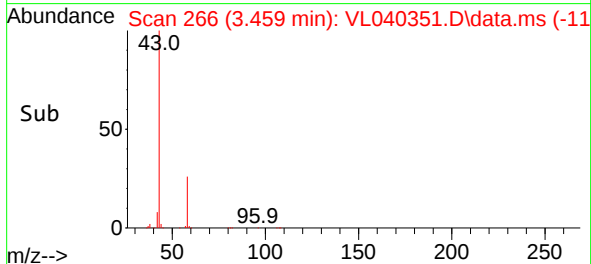
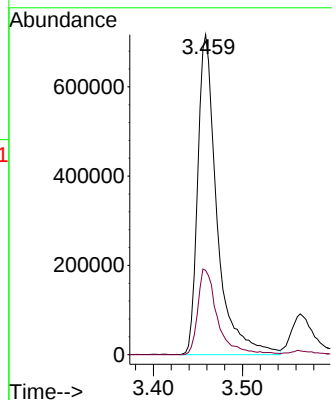
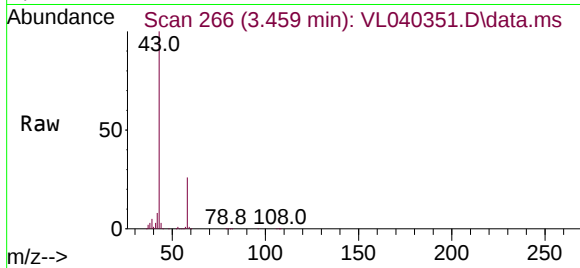
#15
Acetone
Concen: 9.228 ppbv
RT: 3.459 min Scan# 20
Delta R.T. -0.000 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03

Tgt Ion: 43 Resp: 107673
Ion Ratio Lower Upper
43 100
58 27.5 21.8 32.8

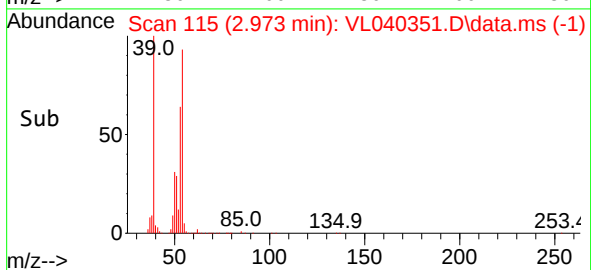
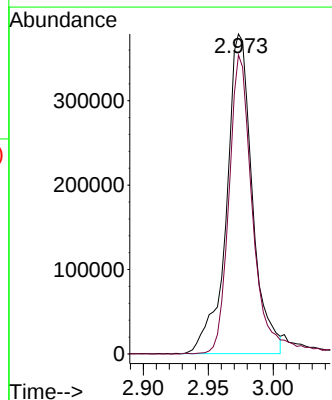
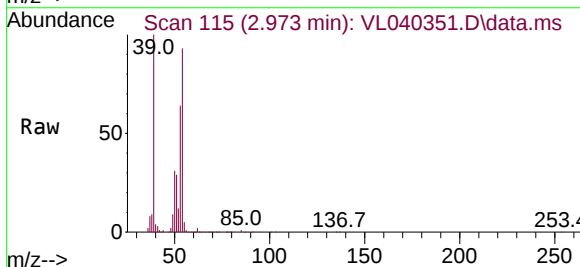
Manual Integrations
APPROVED

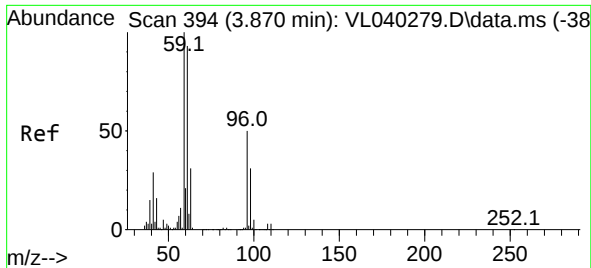
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#16
1,3-Butadiene
Concen: 9.951 ppbv
RT: 2.973 min Scan# 115
Delta R.T. -0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

Tgt Ion: 39 Resp: 527761
Ion Ratio Lower Upper
39 100
54 87.3 68.4 102.6





#17

tert-Butyl alcohol

Concen: 10.154 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.000 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03

Tgt Ion: 59 Resp: 112598

Ion Ratio Lower Upper

59 100

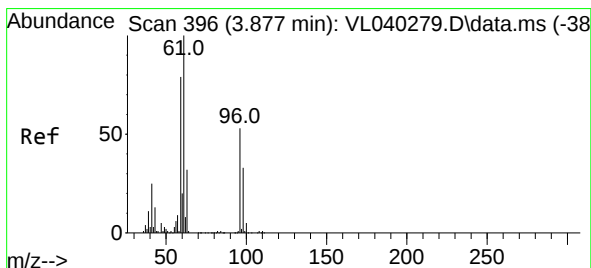
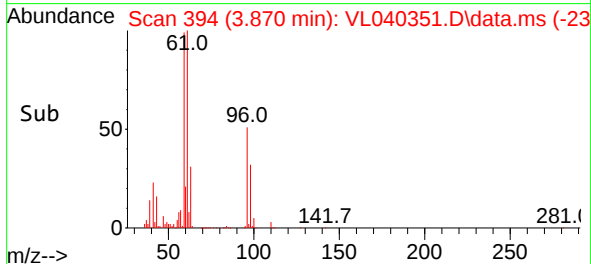
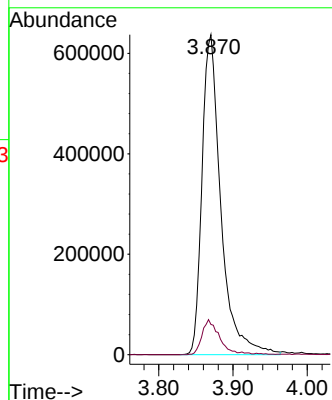
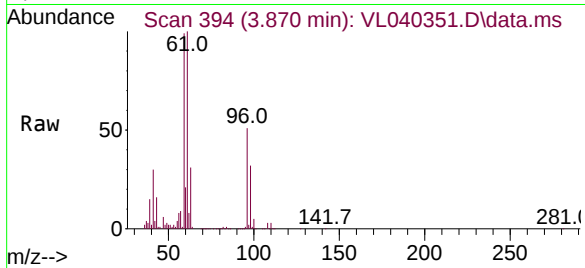
57 10.4 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#18

1,1-Dichloroethene

Concen: 9.501 ppbv

RT: 3.873 min Scan# 395

Delta R.T. -0.004 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

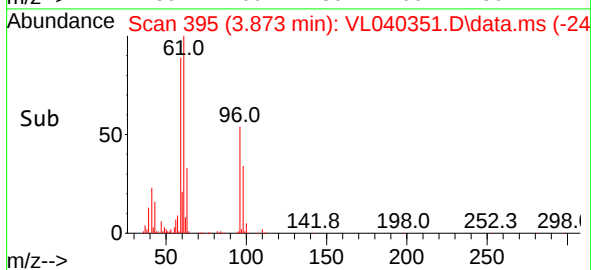
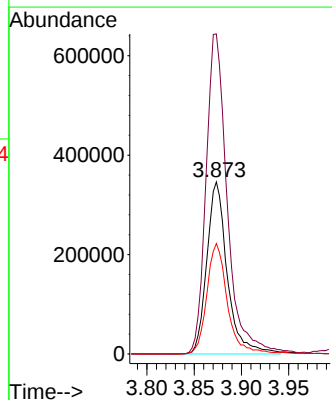
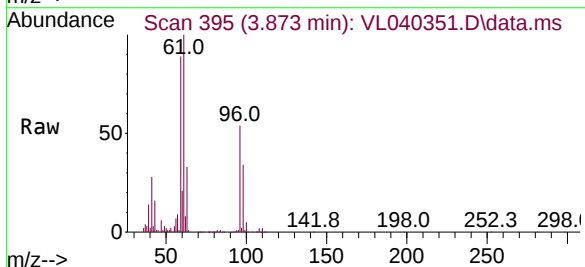
Tgt Ion: 96 Resp: 521531

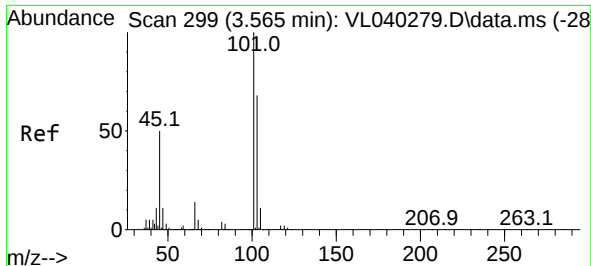
Ion Ratio Lower Upper

96 100

61 185.9 150.6 226.0

98 64.2 50.3 75.5





#19

Isopropyl Alcohol

Concen: 9.501 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.003 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03

Tgt Ion: 45 Resp: 531004

Ion Ratio Lower Upper

45 100

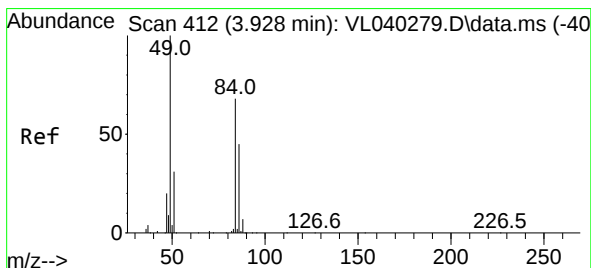
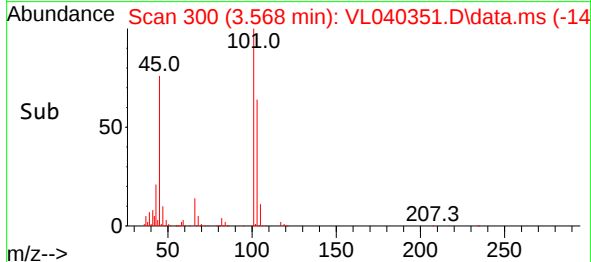
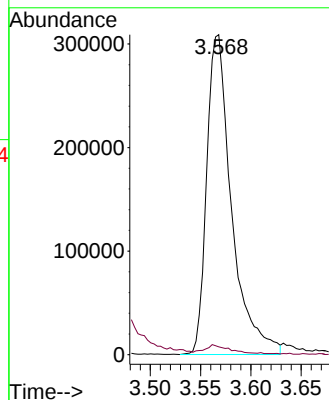
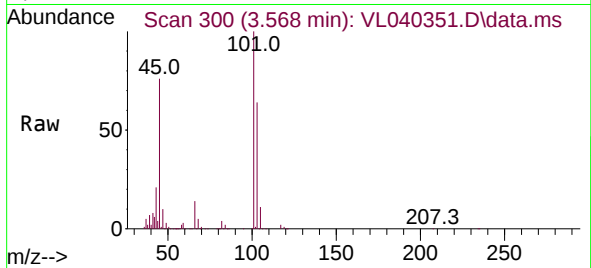
58 3.6 2.7 4.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#20

Methylene Chloride

Concen: 8.714 ppbv

RT: 3.925 min Scan# 411

Delta R.T. -0.003 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Tgt Ion: 84 Resp: 427743

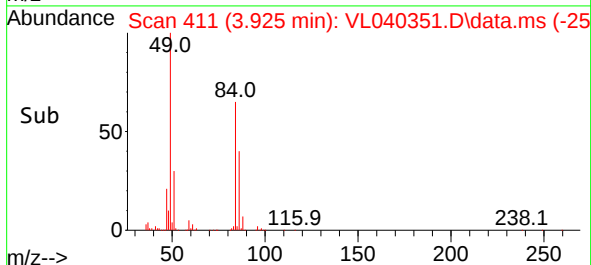
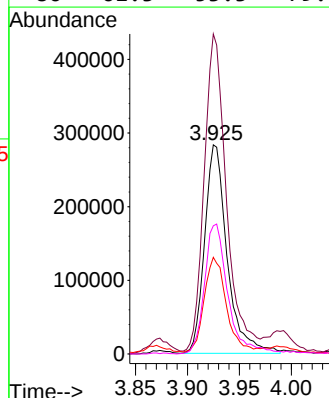
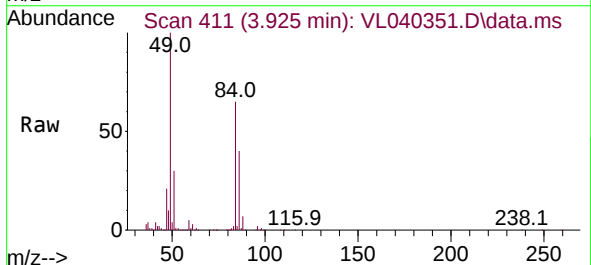
Ion Ratio Lower Upper

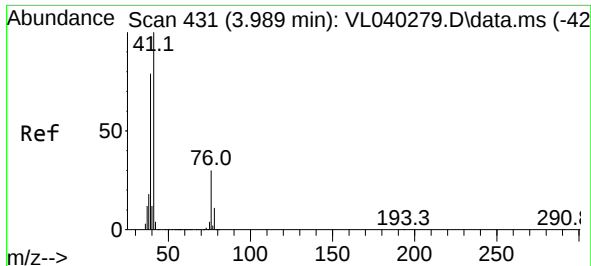
84 100

49 152.0 117.5 176.3

51 45.1 36.9 55.3

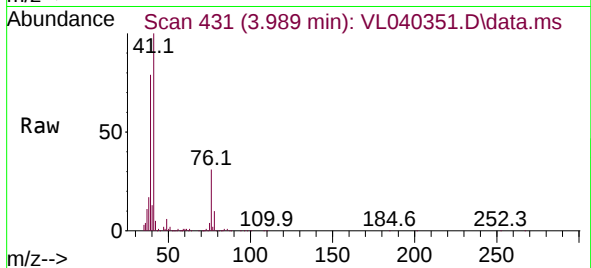
86 61.3 53.3 79.9





#21
 Allyl Chloride
 Concen: 9.661 ppbv
 RT: 3.989 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040351.D
 Acq: 13 Apr 2023 00:42

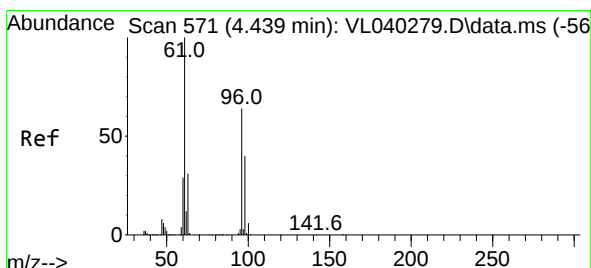
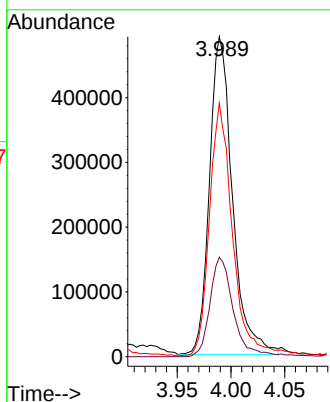
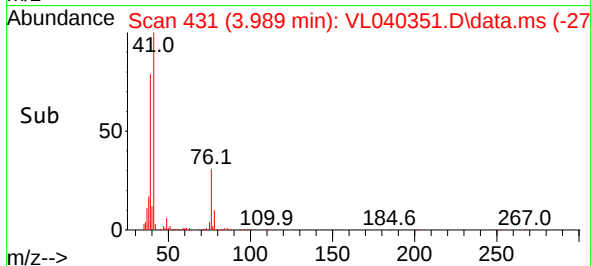
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS03



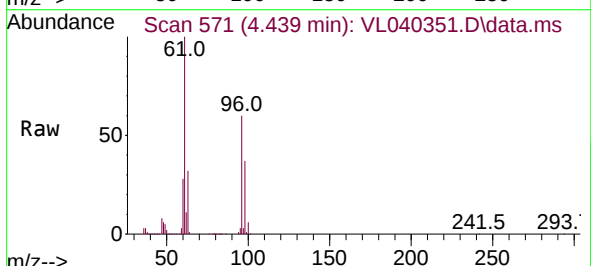
Tgt Ion: 41 Resp: 730170
 Ion Ratio Lower Upper
 41 100
 76 32.0 25.4 38.0
 39 79.6 65.4 98.2

Manual Integrations
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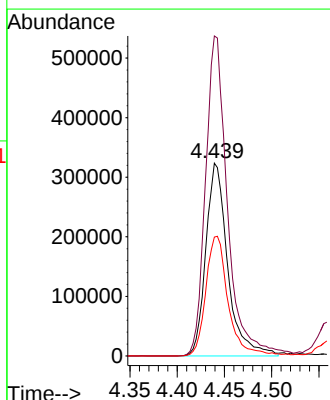
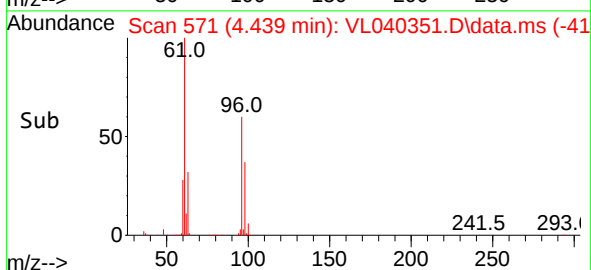
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

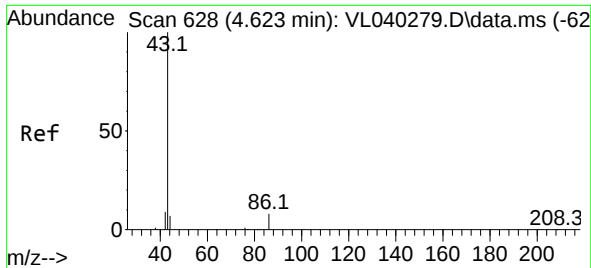


#22
 trans-1,2-Dichloroethene
 Concen: 9.364 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: VL040351.D
 Acq: 13 Apr 2023 00:42



Tgt Ion: 96 Resp: 523145
 Ion Ratio Lower Upper
 96 100
 61 166.0 125.4 188.2
 98 61.7 49.8 74.6





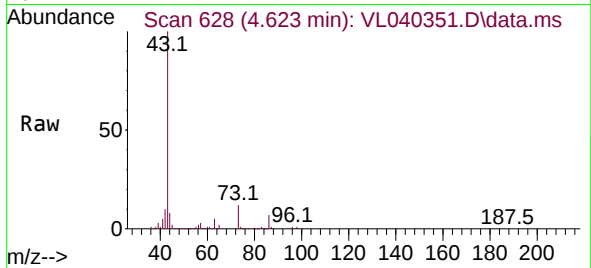
#23
 Vinyl Acetate
 Concen: 10.002 ppbv
 RT: 4.623 min Scan# 612
 Delta R.T. -0.000 min
 Lab File: VL040351.D
 Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03

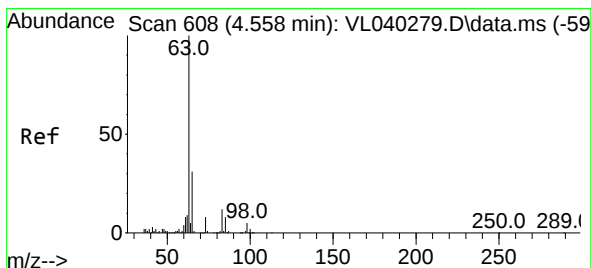
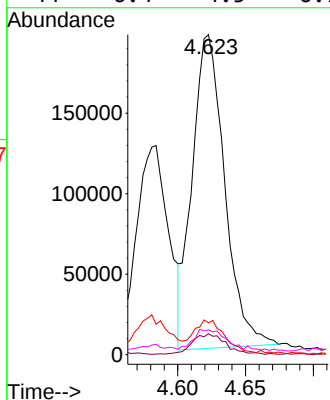
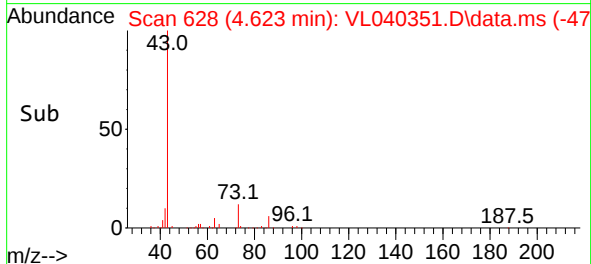


Tgt Ion: 43 Resp: 324679
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.0 7.4
 42 9.5 9.1 13.7
 44 6.4 4.5 6.7

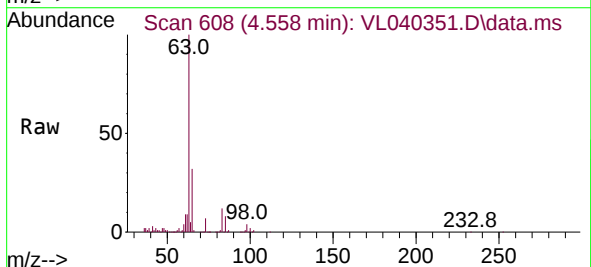
Manual Integrations

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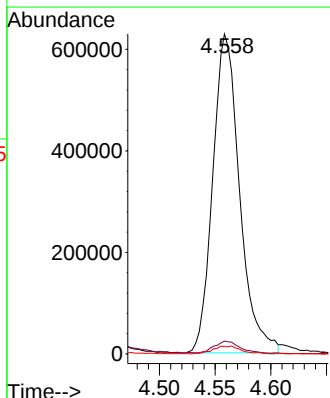
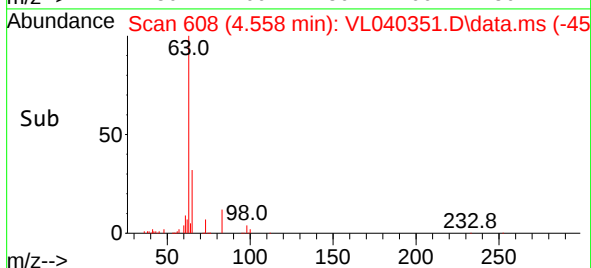
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

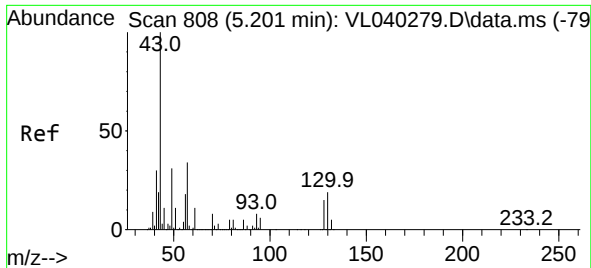


#24
 1,1-Dichloroethane
 Concen: 9.082 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: VL040351.D
 Acq: 13 Apr 2023 00:42



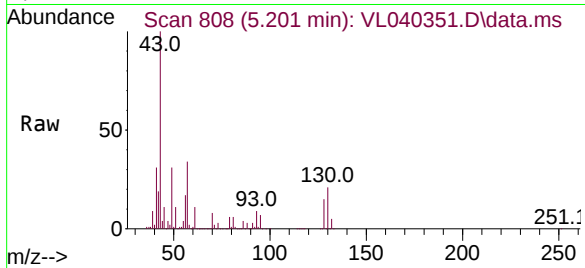
Tgt Ion: 63 Resp: 1051546
 Ion Ratio Lower Upper
 63 100
 98 3.7 2.4 7.2
 100 2.2 1.2 3.6





#25
Ethyl Acetate
Concen: 9.686 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03

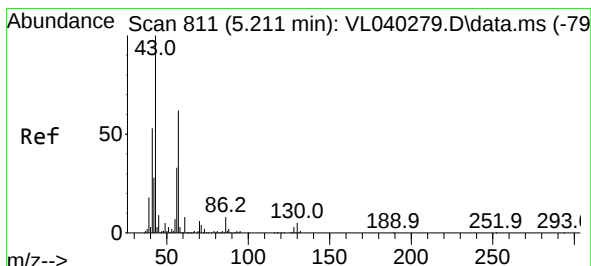
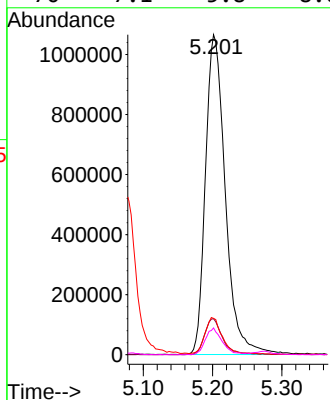
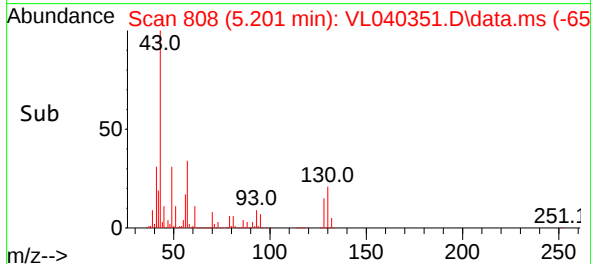


Tgt Ion: 43 Resp: 211577

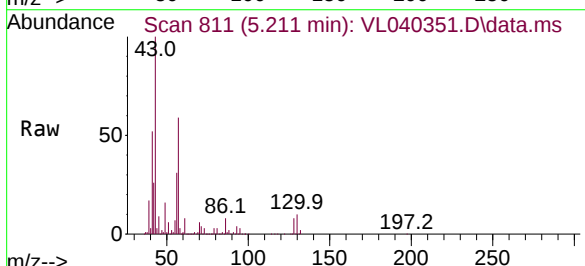
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.6	12.8
61	10.5	8.4	12.6
70	7.1	5.8	8.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

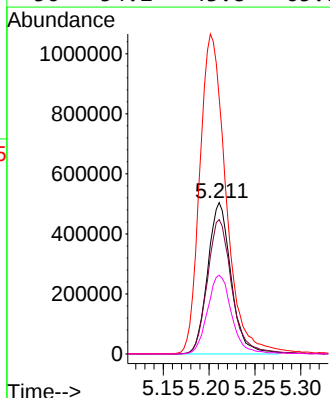
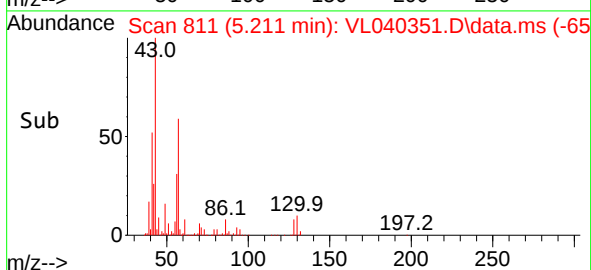


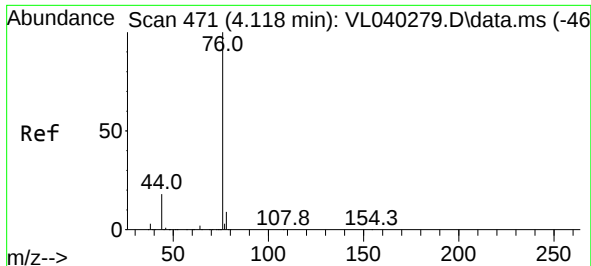
#26
Hexane
Concen: 9.973 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42



Tgt Ion: 57 Resp: 894221

Ion	Ratio	Lower	Upper
57	100		
41	93.4	73.5	110.3
43	238.1	196.3	294.5
56	54.2	43.8	65.8





#27

Carbon Disulfide

Concen: 10.189 ppbv

RT: 4.118 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03

Tgt Ion: 76 Resp: 1276028

Ion Ratio Lower Upper

76 100

44 18.2 15.2 22.8

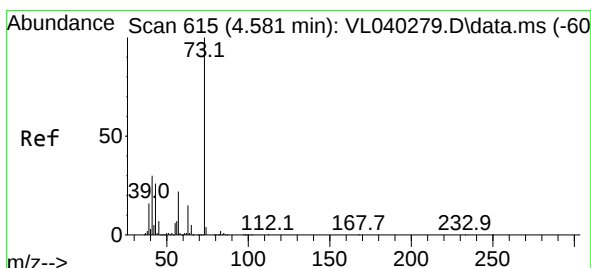
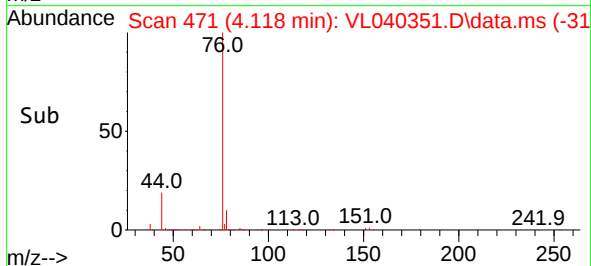
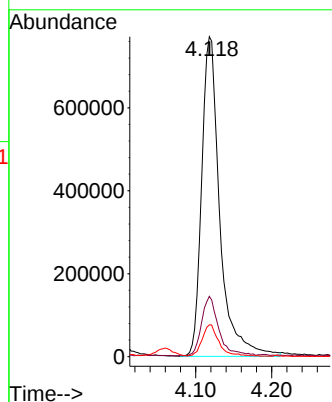
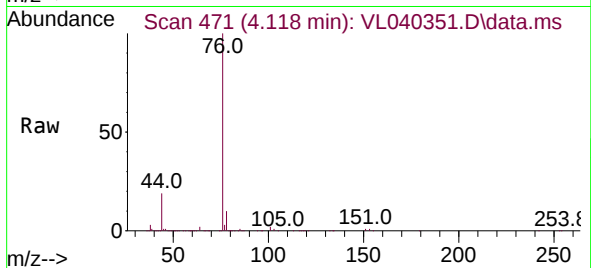
78 9.5 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#28

Methyl tert-Butyl Ether

Concen: 9.029 ppbv

RT: 4.584 min Scan# 616

Delta R.T. 0.003 min

Lab File: VL040351.D

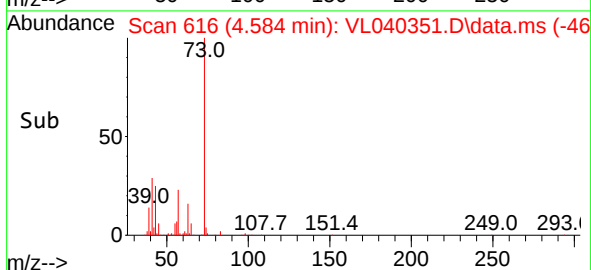
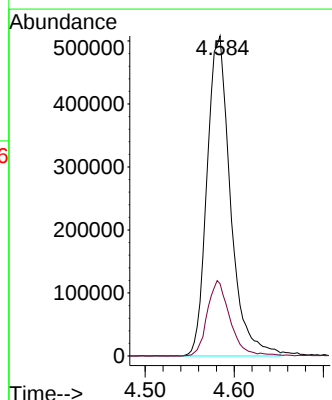
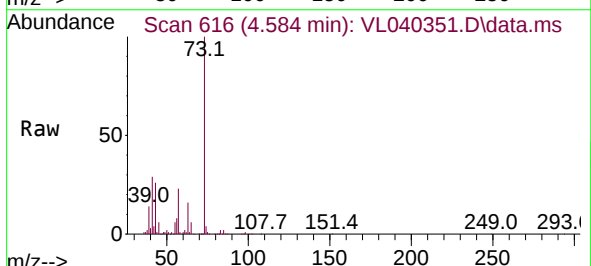
Acq: 13 Apr 2023 00:42

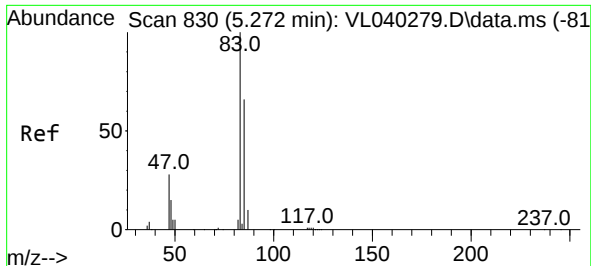
Tgt Ion: 73 Resp: 929550

Ion Ratio Lower Upper

73 100

57 23.2 18.4 27.6





#29

Chloroform

Concen: 9.917 ppbv

RT: 5.275 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL040351.D

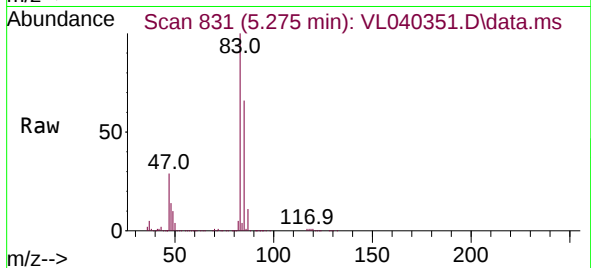
Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03



Tgt Ion: 83 Resp: 1570214

Ion Ratio Lower Upper

83 100

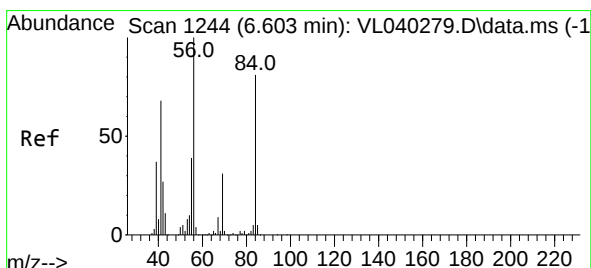
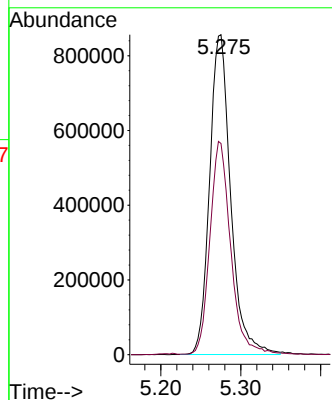
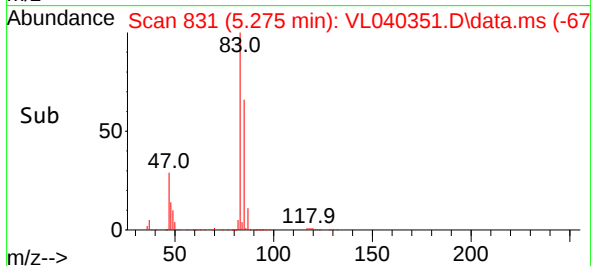
85 65.8 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#30

Cyclohexane

Concen: 10.658 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. 0.000 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

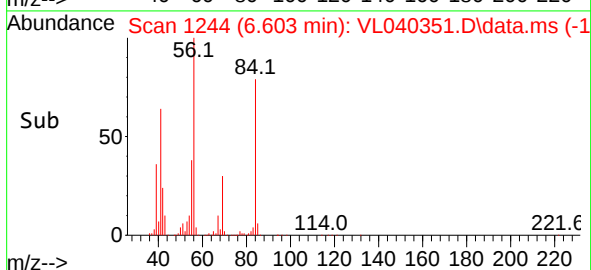
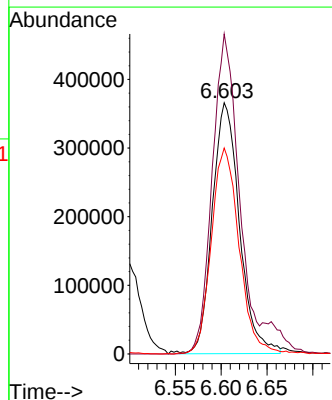
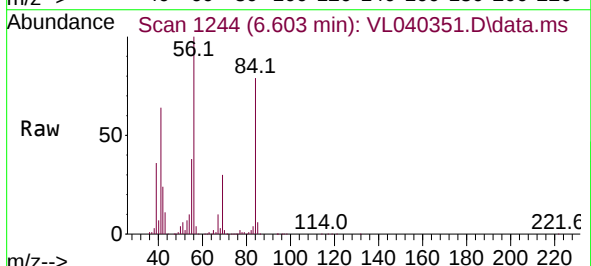
Tgt Ion: 84 Resp: 753033

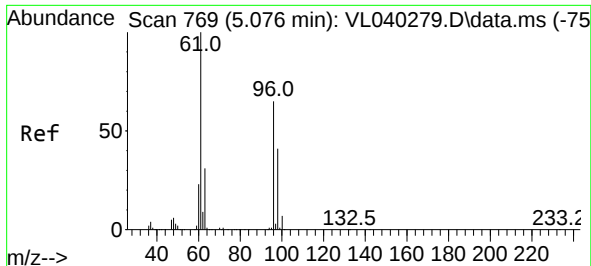
Ion Ratio Lower Upper

84 100

56 134.0 109.0 163.4

41 84.8 67.9 101.9





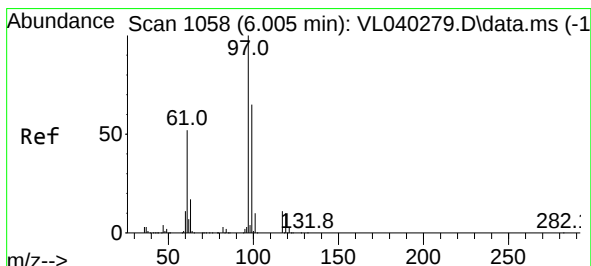
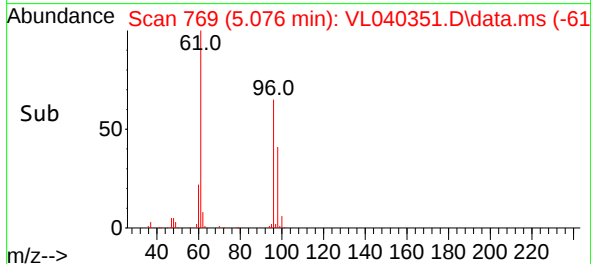
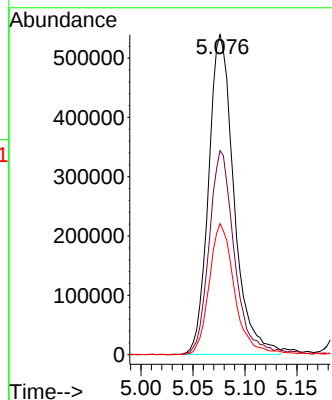
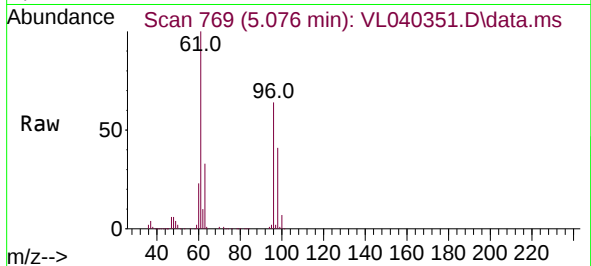
#31
 cis-1,2-Dichloroethene
 Concen: 10.488 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. -0.000 min
 Lab File: VL040351.D
 Acq: 13 Apr 2023 00:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS03

Tgt Ion: 61 Resp: 91578
 Ion Ratio Lower Upper
 61 100
 96 63.8 51.8 77.8
 98 40.9 32.5 48.7

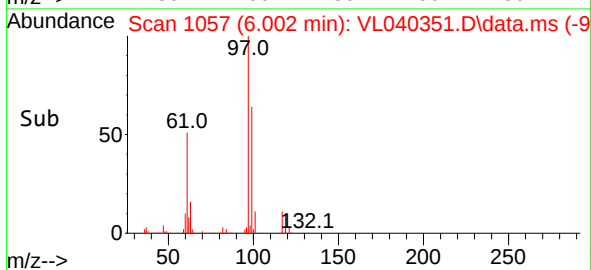
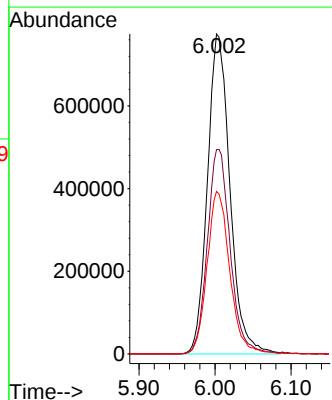
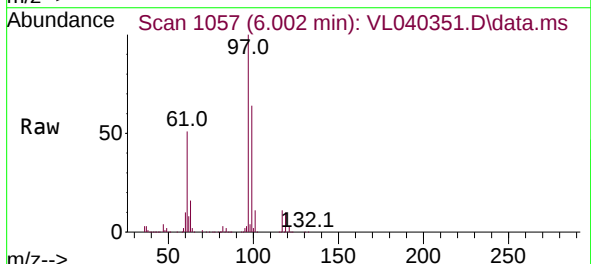
Manual Integrations
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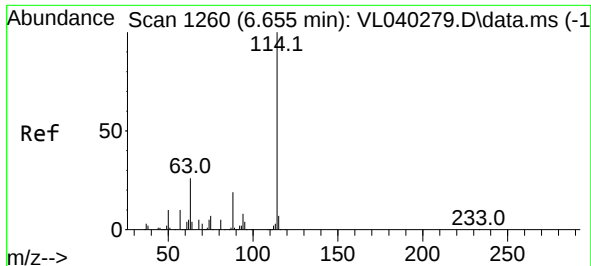
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023



#32
 1,1,1-Trichloroethane
 Concen: 10.509 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. -0.003 min
 Lab File: VL040351.D
 Acq: 13 Apr 2023 00:42

Tgt Ion: 97 Resp: 1594151
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.2 78.2
 61 51.2 41.4 62.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03

Tgt Ion:114 Resp: 2398902

Ion Ratio Lower Upper

114 100

63 26.7 21.2 31.8

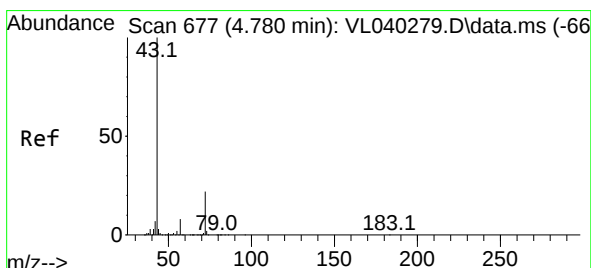
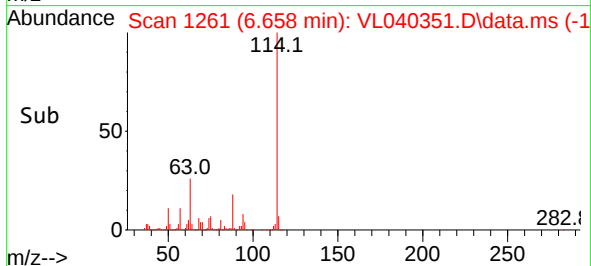
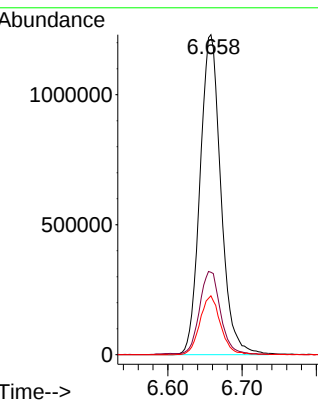
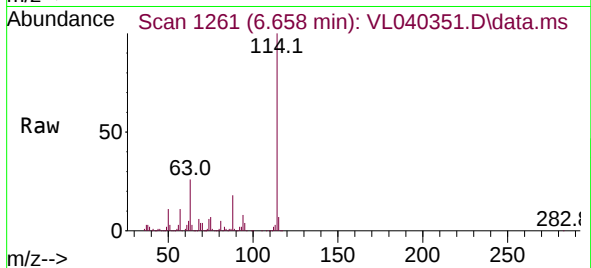
88 18.3 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#34

2-Butanone

Concen: 10.135 ppbv

RT: 4.783 min Scan# 678

Delta R.T. 0.003 min

Lab File: VL040351.D

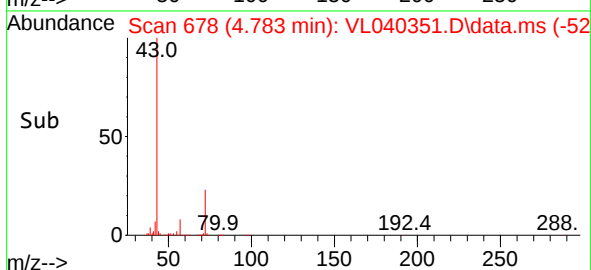
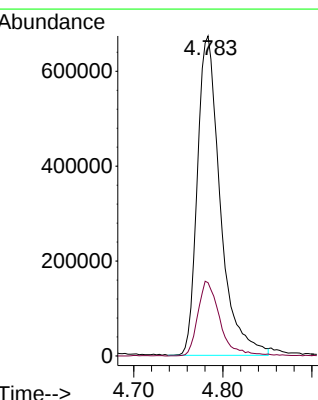
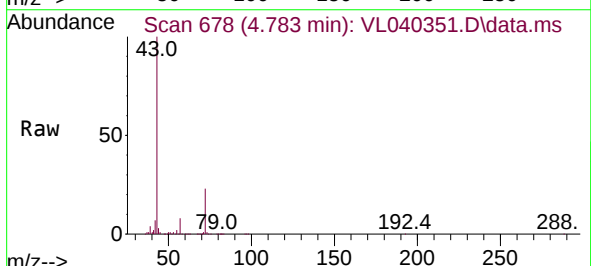
Acq: 13 Apr 2023 00:42

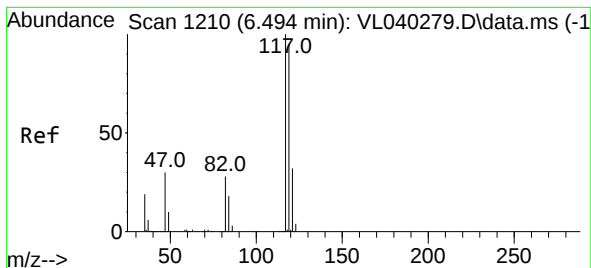
Tgt Ion: 43 Resp: 1199933

Ion Ratio Lower Upper

43 100

72 22.9 18.3 27.5





#35

Carbon Tetrachloride

Concen: 10.907 ppbv

RT: 6.497 min Scan# 1170

Delta R.T. 0.003 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03

Tgt Ion: 117 Resp: 1641939

Ion Ratio Lower Upper

117 100

119 96.6 76.4 114.6

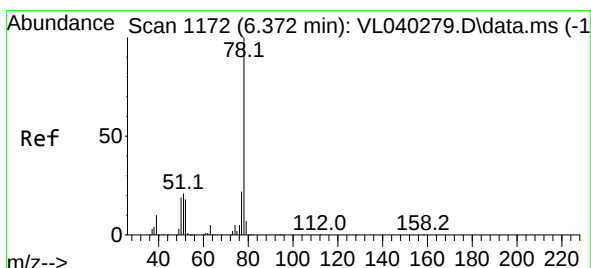
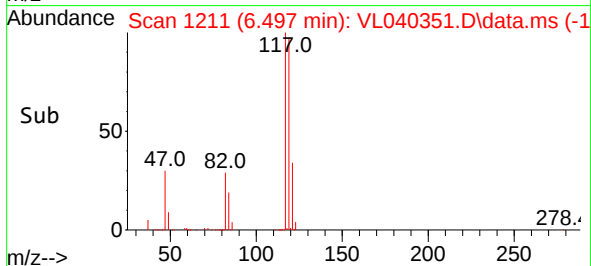
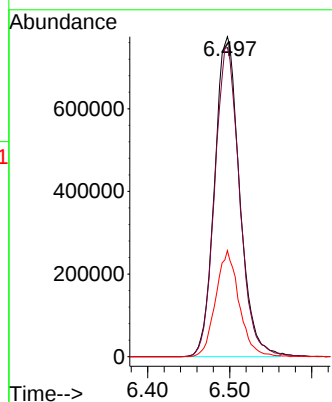
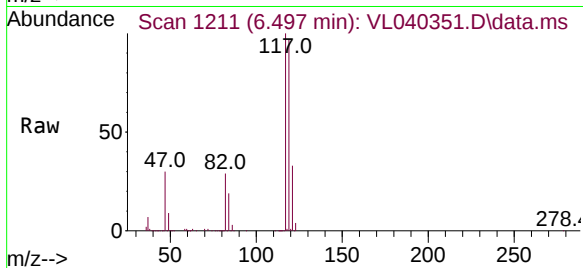
121 33.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#36

Benzene

Concen: 10.175 ppbv

RT: 6.375 min Scan# 1173

Delta R.T. 0.003 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

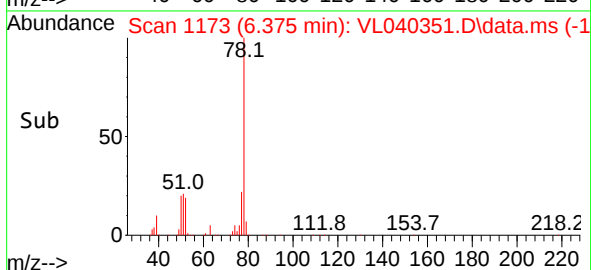
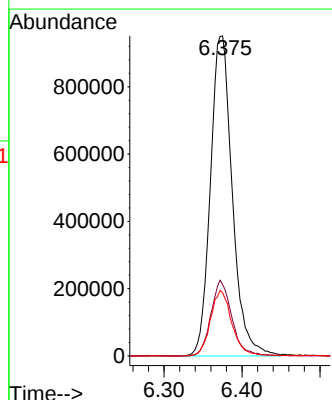
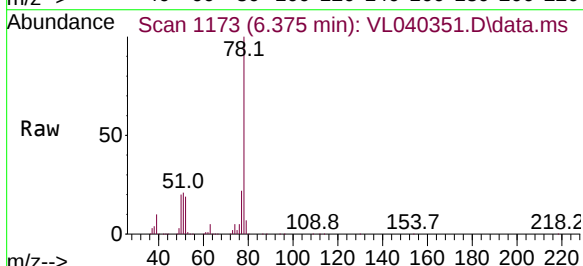
Tgt Ion: 78 Resp: 1860182

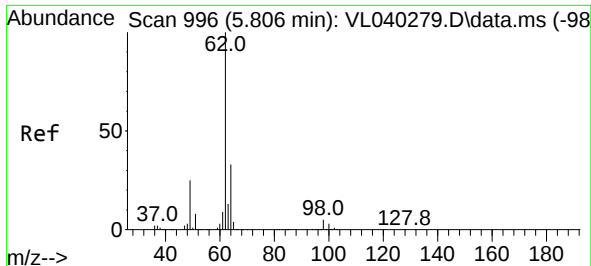
Ion Ratio Lower Upper

78 100

77 22.4 17.8 26.8

50 19.9 15.4 23.2





#37

1,2-Dichloroethane

Concen: 10.263 ppbv

RT: 5.809 min Scan# 996

Delta R.T. 0.003 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03

Tgt Ion: 62 Resp: 1221244

Ion Ratio Lower Upper

62 100

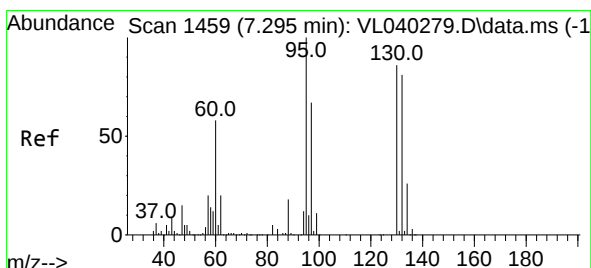
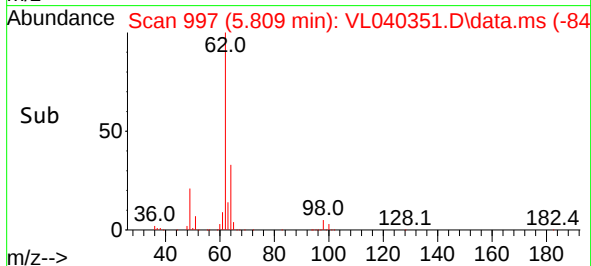
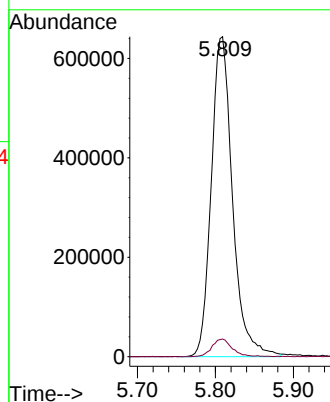
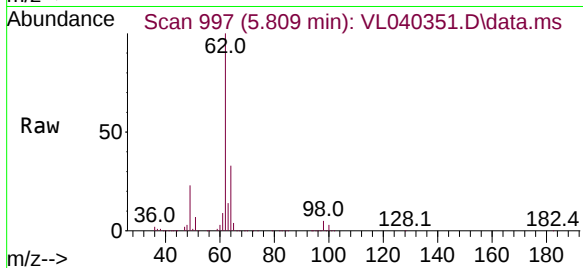
98 5.4 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#38

Trichloroethene

Concen: 11.312 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.003 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Tgt Ion:130 Resp: 1130111

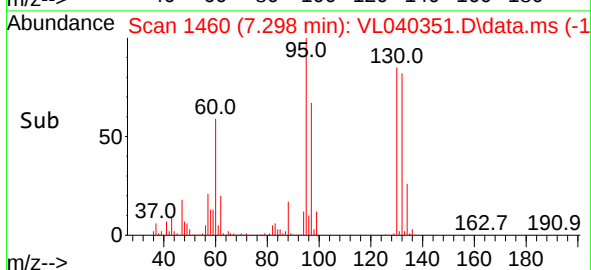
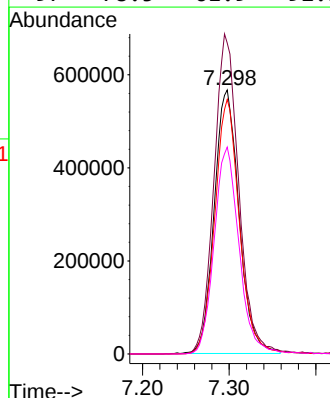
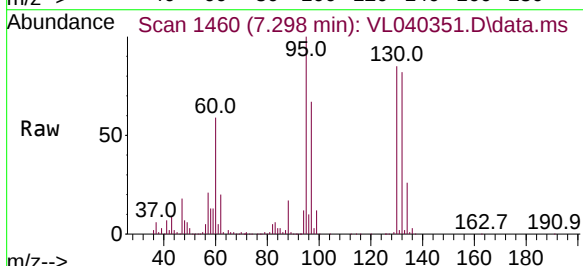
Ion Ratio Lower Upper

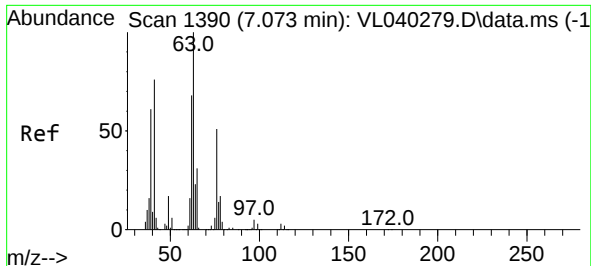
130 100

95 117.9 93.0 139.4

132 96.6 75.3 112.9

97 78.5 61.9 92.9





#39

1,2-Dichloropropane

Concen: 10.121 ppbv

RT: 7.076 min Scan# 1390

Delta R.T. 0.003 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03

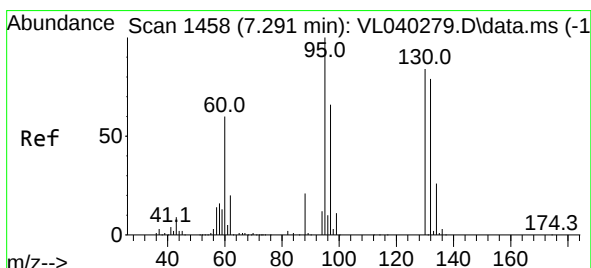
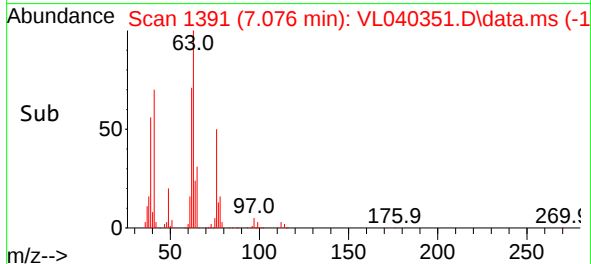
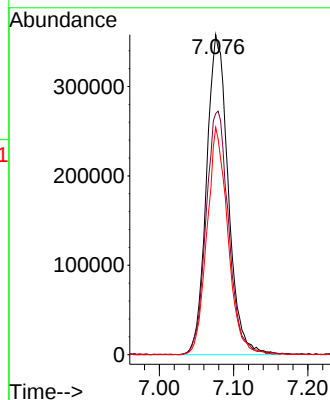
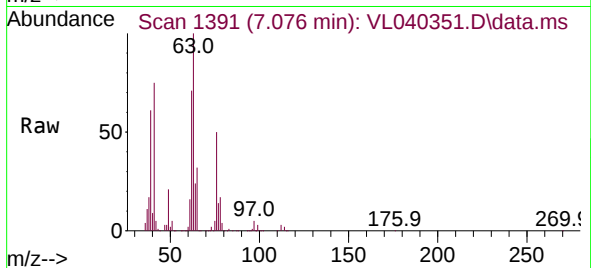
Tgt Ion: 63 Resp: 725898

Ion	Ratio	Lower	Upper
63	100		
41	75.2	60.8	91.2
62	71.0	54.1	81.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#40

1,4-Dioxane

Concen: 9.218 ppbv

RT: 7.291 min Scan# 1458

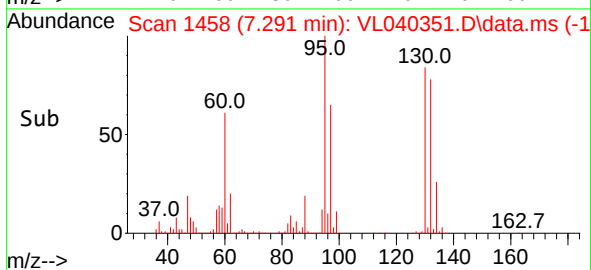
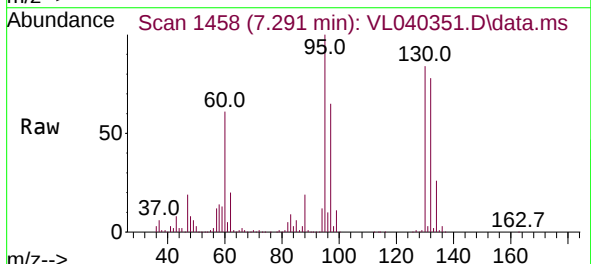
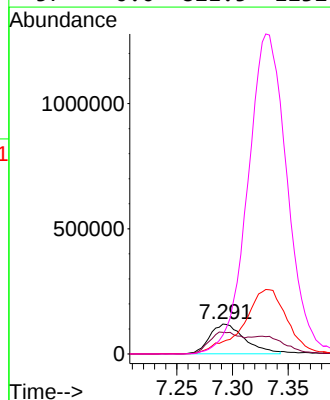
Delta R.T. 0.000 min

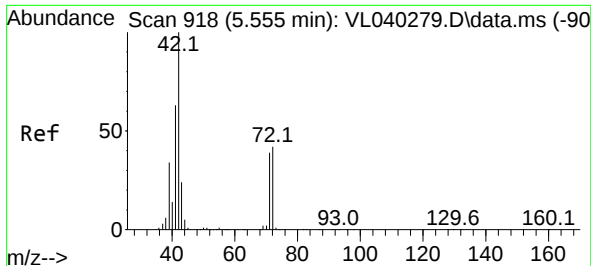
Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Tgt Ion: 88 Resp: 261568

Ion	Ratio	Lower	Upper
88	100		
58	130.4	96.0	144.0
43	0.0	187.6	281.4#
57	0.0	821.5	1232.3#





#41

Tetrahydrofuran

Concen: 9.857 ppbv

RT: 5.558 min Scan# 918

Delta R.T. 0.003 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03

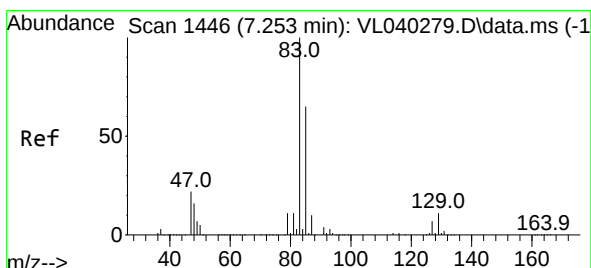
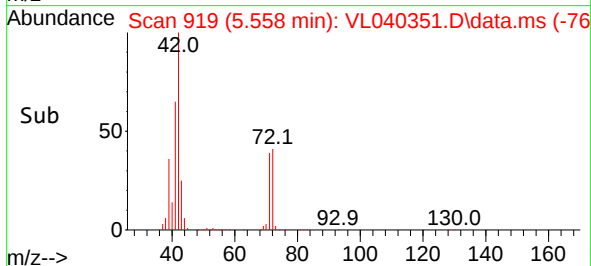
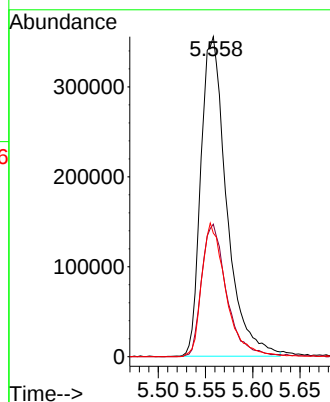
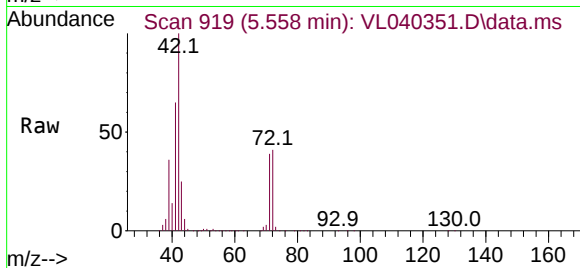
Tgt Ion: 42 Resp: 67352

Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.6	49.0
71	39.7	31.0	46.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#42

Bromodichloromethane

Concen: 10.382 ppbv

RT: 7.253 min Scan# 1446

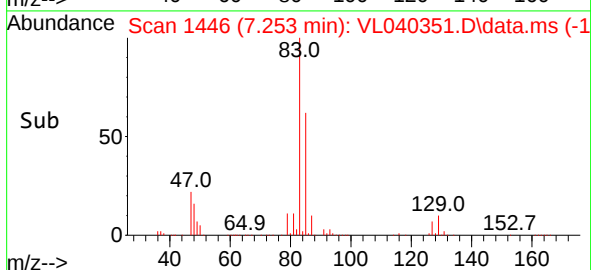
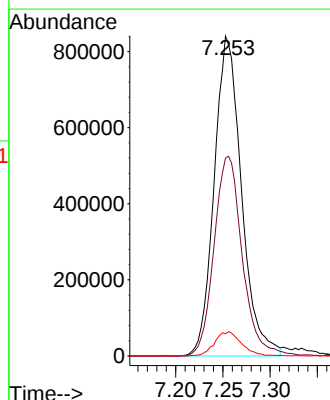
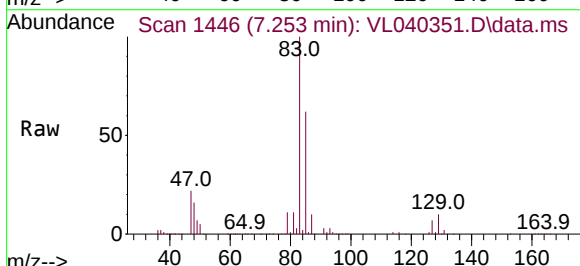
Delta R.T. -0.000 min

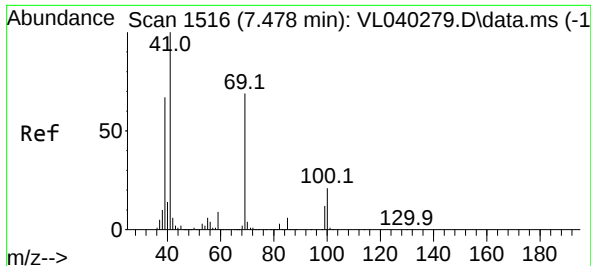
Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Tgt Ion: 83 Resp: 1688186

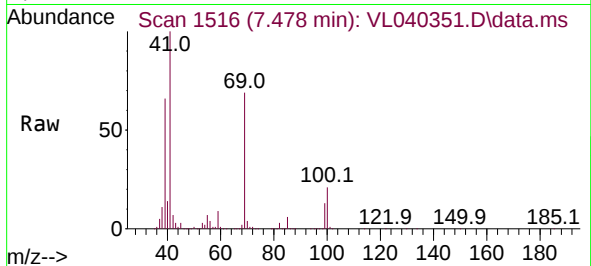
Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.1	78.1
127	7.0	5.8	8.6





#43
Methyl Methacrylate
Concen: 10.873 ppbv
RT: 7.478 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

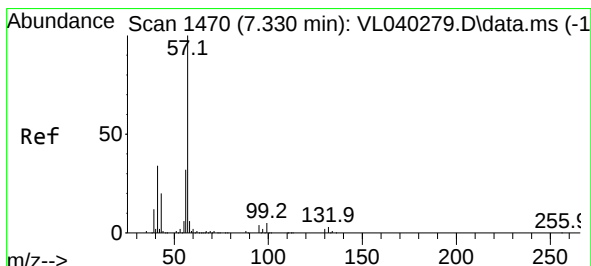
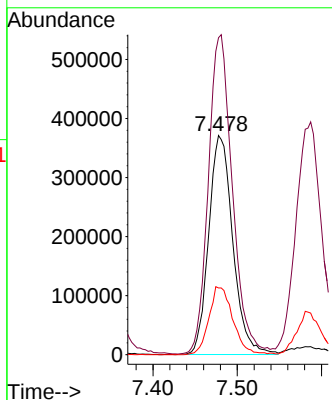
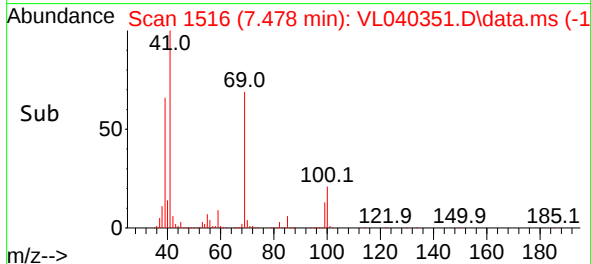
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03



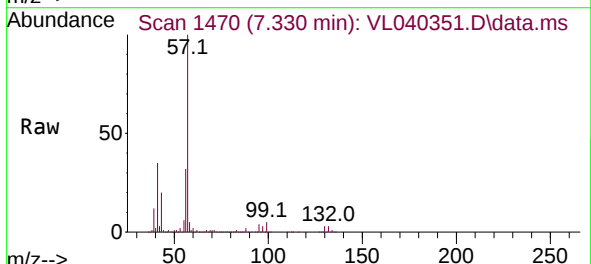
Tgt Ion: 69 Resp: 73869
Ion Ratio Lower Upper
69 100
41 145.4 116.9 175.3
100 30.8 24.2 36.4

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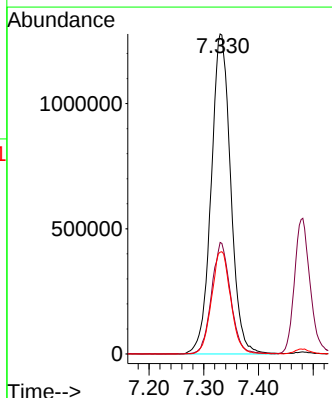
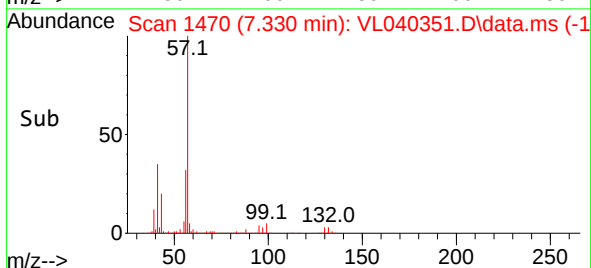
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

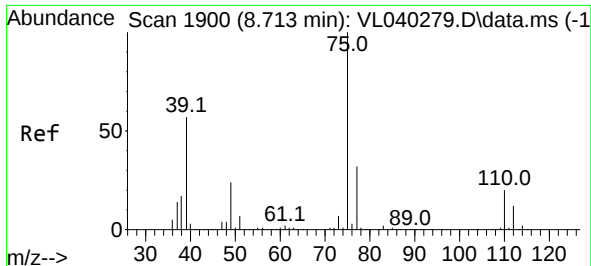


#44
2,2,4-Trimethylpentane
Concen: 10.370 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42



Tgt Ion: 57 Resp: 3160951
Ion Ratio Lower Upper
57 100
41 33.8 26.8 40.2
56 31.5 25.0 37.6





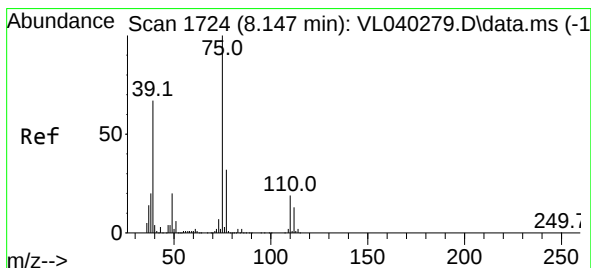
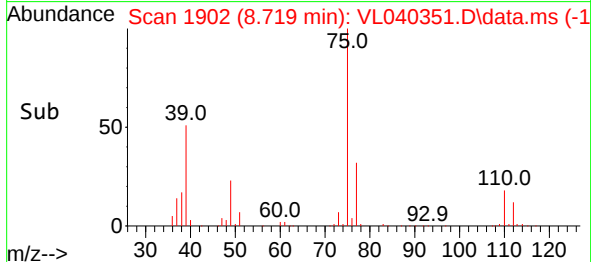
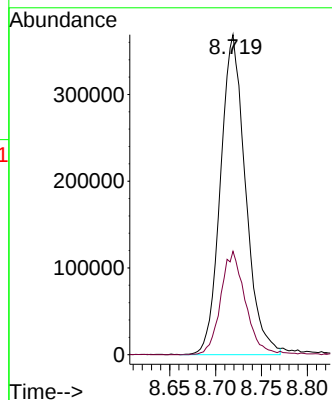
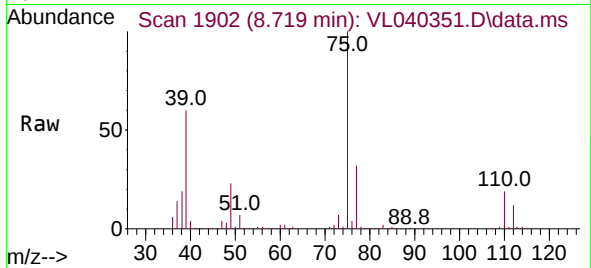
#45
 t-1,3-Dichloropropene
 Concen: 11.826 ppbv
 RT: 8.719 min Scan# 1900
 Delta R.T. 0.006 min
 Lab File: VL040351.D
 Acq: 13 Apr 2023 00:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS03

Tgt Ion: 75 Resp: 70040
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.0

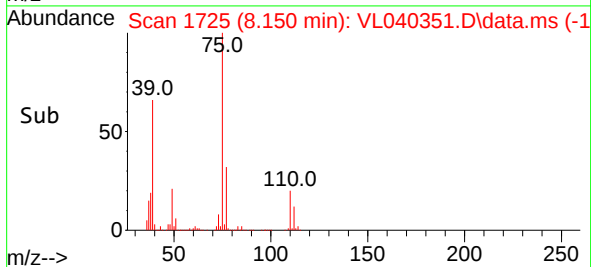
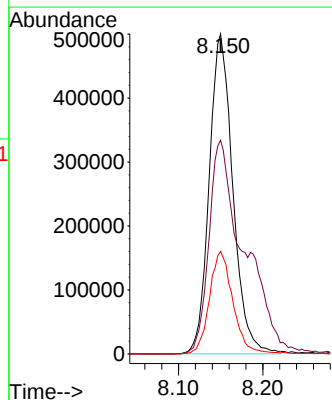
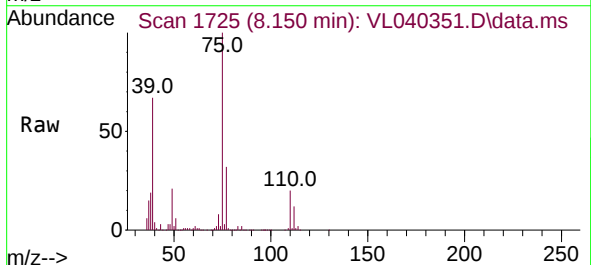
Manual Integrations
 APPROVED

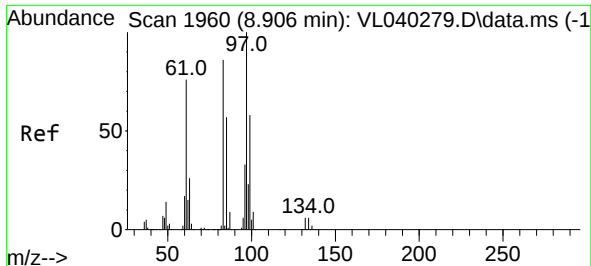
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023



#46
 cis-1,3-Dichloropropene
 Concen: 11.571 ppbv
 RT: 8.150 min Scan# 1725
 Delta R.T. 0.003 min
 Lab File: VL040351.D
 Acq: 13 Apr 2023 00:42

Tgt Ion: 75 Resp: 973165
 Ion Ratio Lower Upper
 75 100
 39 66.8 53.9 80.9
 77 32.1 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 10.130 ppbv

RT: 8.905 min Scan# 1960

Delta R.T. -0.001 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03

Tgt Ion: 97 Resp: 77525

Ion Ratio Lower Upper

97 100

83 87.0 68.6 103.0

85 55.6 46.0 69.0

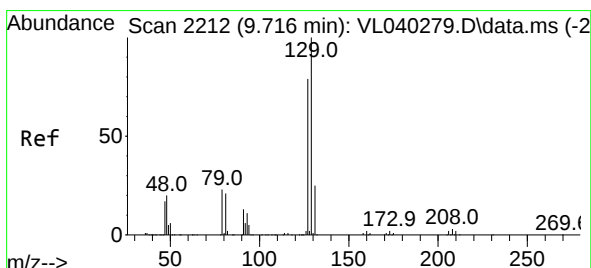
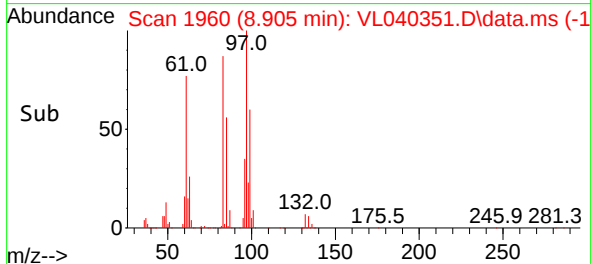
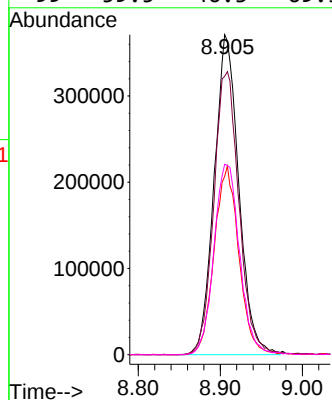
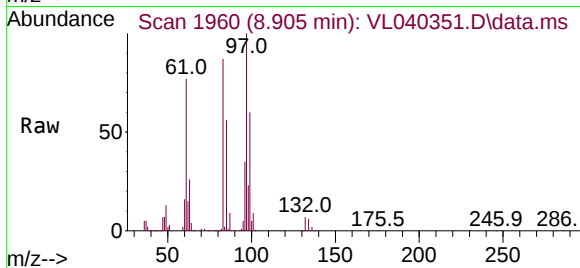
99 59.5 46.3 69.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#48

Dibromochloromethane

Concen: 10.431 ppbv

RT: 9.719 min Scan# 2213

Delta R.T. 0.003 min

Lab File: VL040351.D

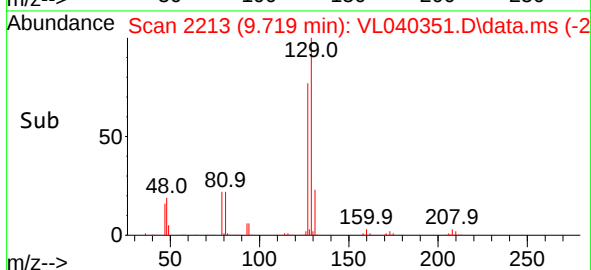
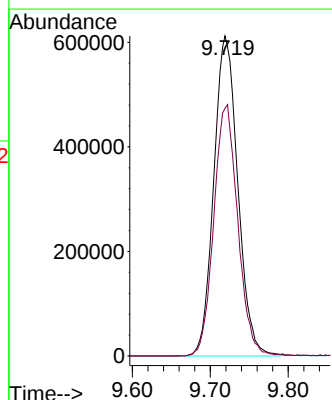
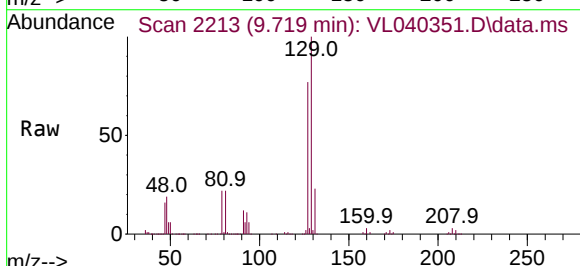
Acq: 13 Apr 2023 00:42

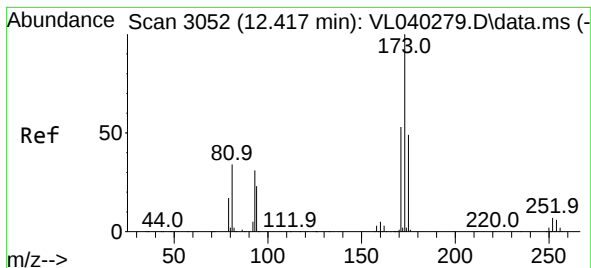
Tgt Ion:129 Resp: 1313679

Ion Ratio Lower Upper

129 100

127 78.4 39.1 117.5





#49

Bromoform

Concen: 10.525 ppbv

RT: 12.423 min Scan# 3052

Delta R.T. 0.006 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03

Tgt Ion:173 Resp: 99556

Ion Ratio Lower Upper

173 100

175 48.7 39.8 59.8

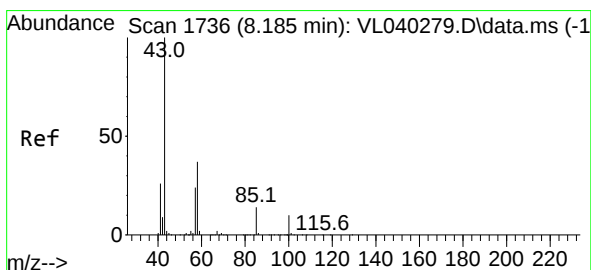
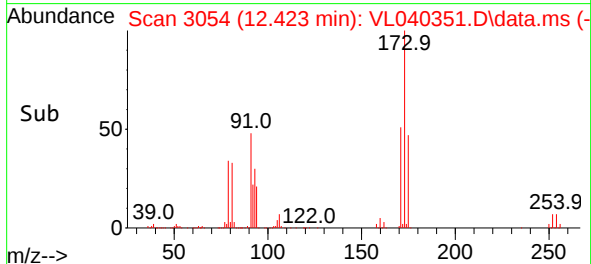
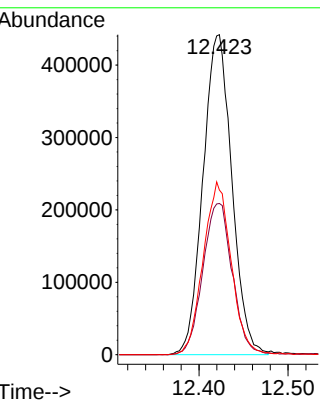
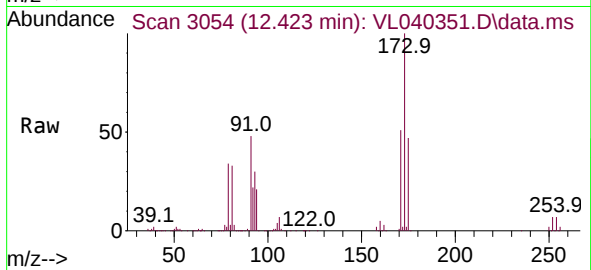
171 52.6 42.2 63.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#50

4-Methyl-2-Pentanone

Concen: 10.280 ppbv

RT: 8.185 min Scan# 1736

Delta R.T. 0.000 min

Lab File: VL040351.D

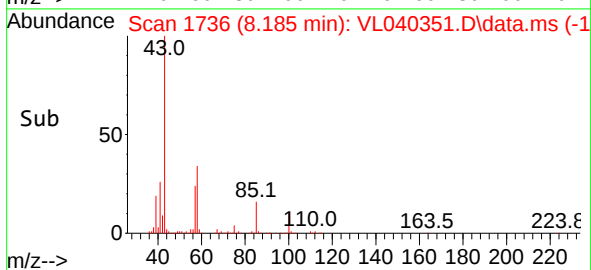
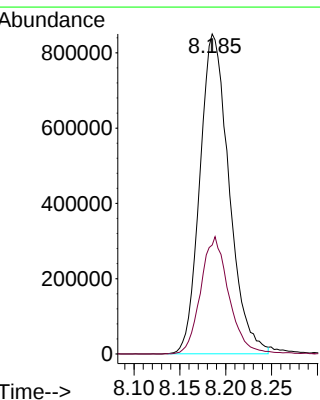
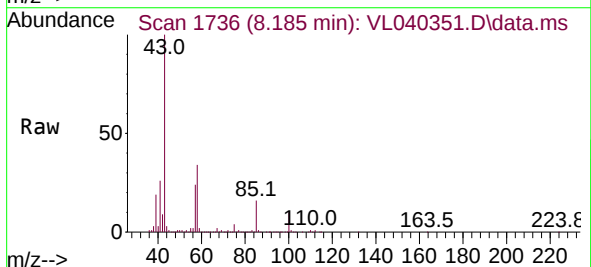
Acq: 13 Apr 2023 00:42

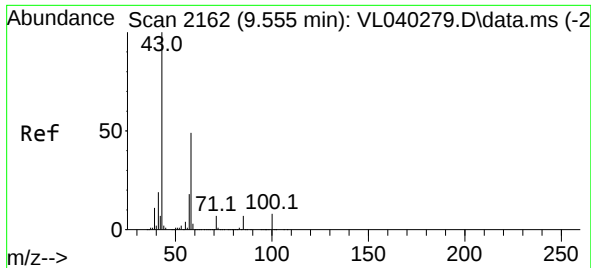
Tgt Ion: 43 Resp: 1883496

Ion Ratio Lower Upper

43 100

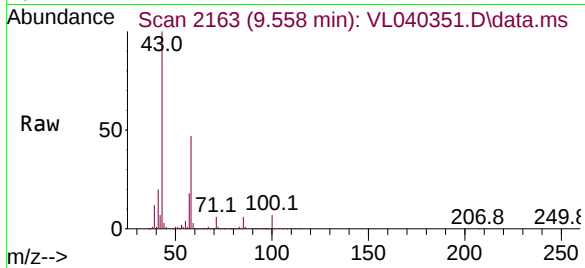
58 35.5 29.2 43.8





#51
2-Hexanone
Concen: 9.744 ppbv
RT: 9.558 min Scan# 2162
Delta R.T. 0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

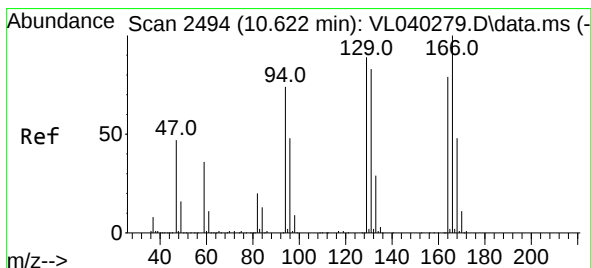
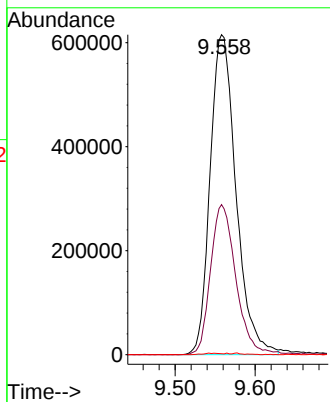
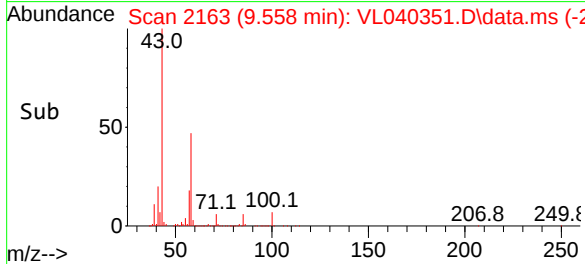
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03



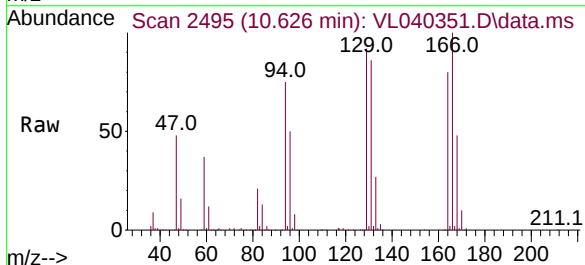
Tgt Ion: 43 Resp: 138302
Ion Ratio Lower Upper
43 100
58 46.1 38.0 57.0
98 0.6 0.5 0.7

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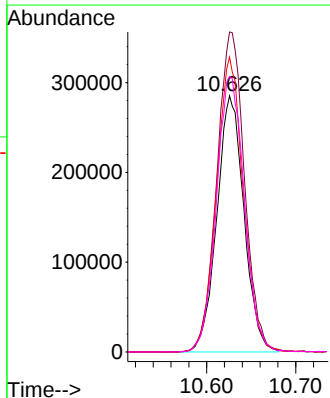
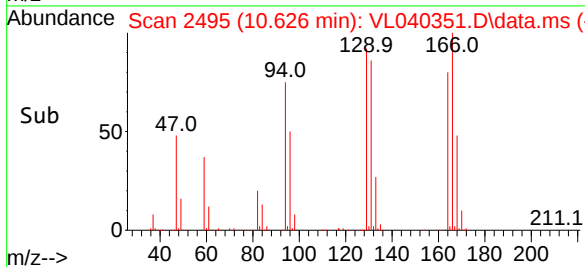
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

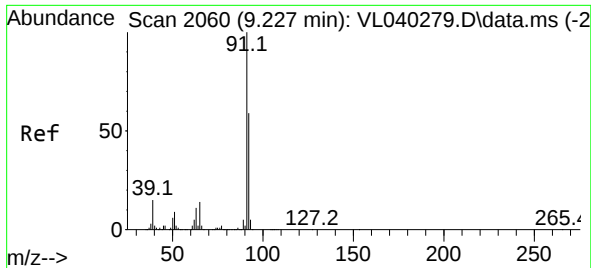


#52
Tetrachloroethene
Concen: 10.883 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. 0.004 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42



Tgt Ion:164 Resp: 601932
Ion Ratio Lower Upper
164 100
166 124.9 101.8 152.6
129 115.1 90.2 135.2
131 107.6 84.7 127.1





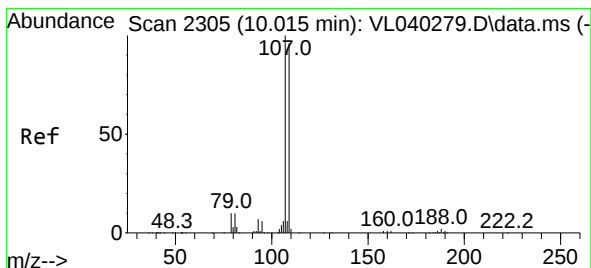
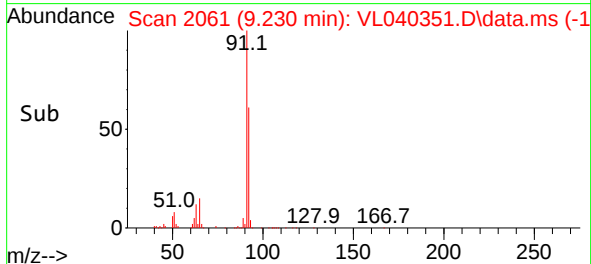
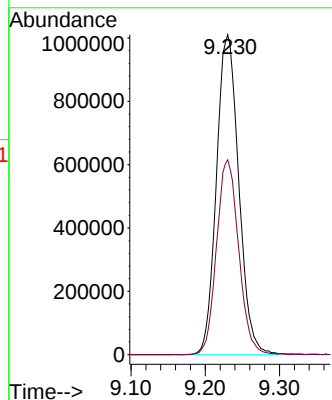
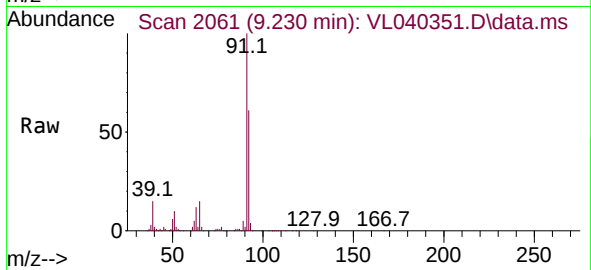
#53
Toluene
Concen: 11.021 ppbv
RT: 9.230 min Scan# 2060
Delta R.T. 0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03

Tgt Ion: 91 Resp: 211146
Ion Ratio Lower Upper
91 100
92 60.6 48.0 72.0

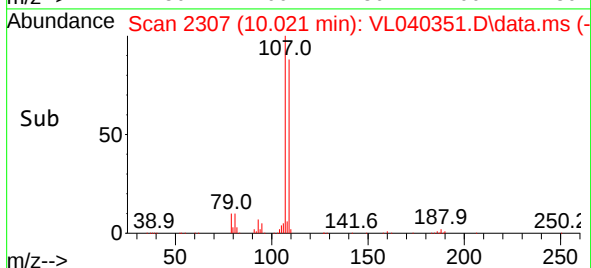
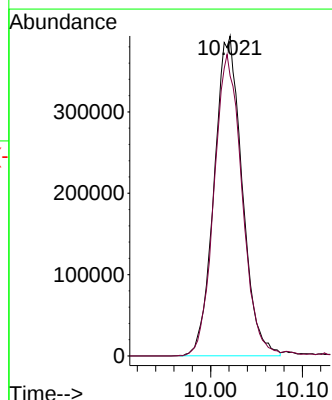
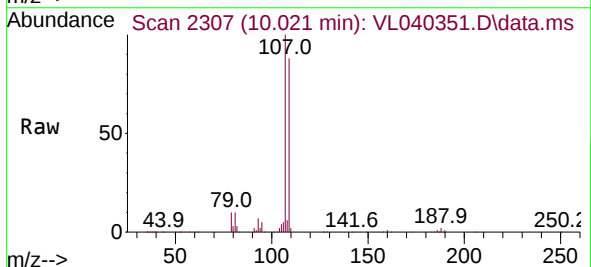
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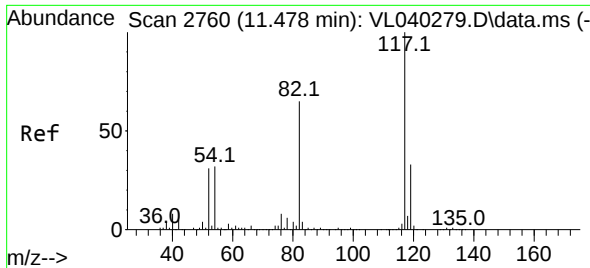
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#54
1,2-Dibromoethane
Concen: 10.582 ppbv
RT: 10.021 min Scan# 2307
Delta R.T. 0.006 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

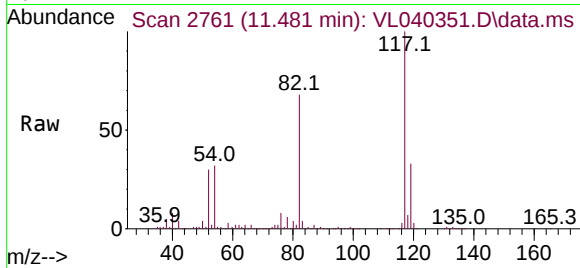
Tgt Ion:107 Resp: 833551
Ion Ratio Lower Upper
107 100
109 87.4 77.0 115.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 11.481 min Scan# 2760
Delta R.T. 0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

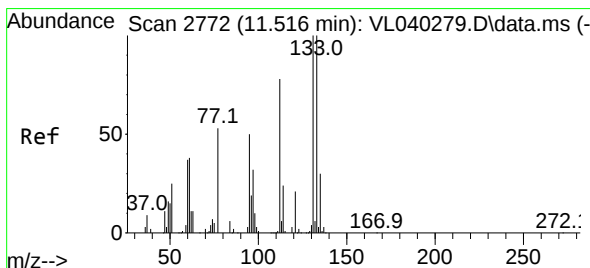
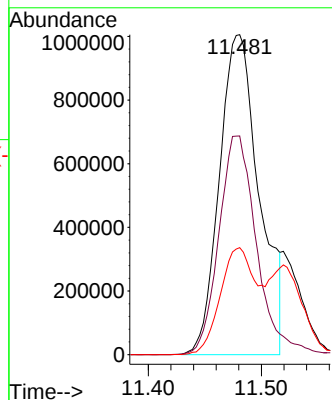
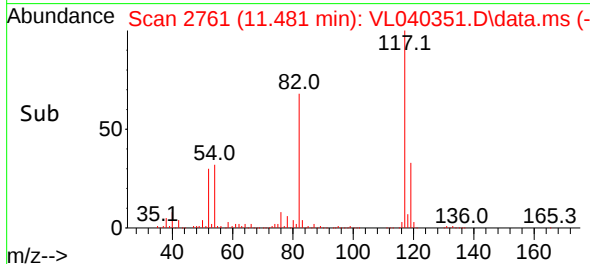
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03



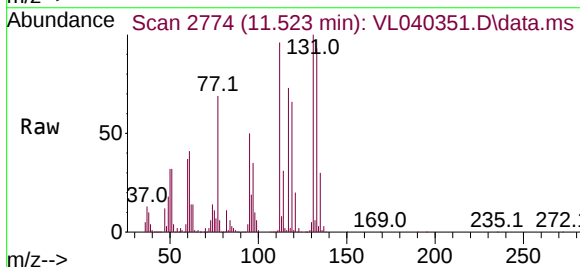
Tgt Ion:117 Resp: 246414
Ion Ratio Lower Upper
117 100
82 65.2 51.4 77.2
119 31.1 24.0 36.0

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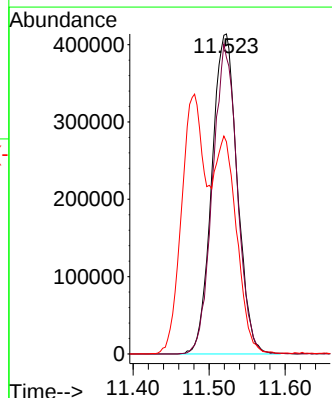
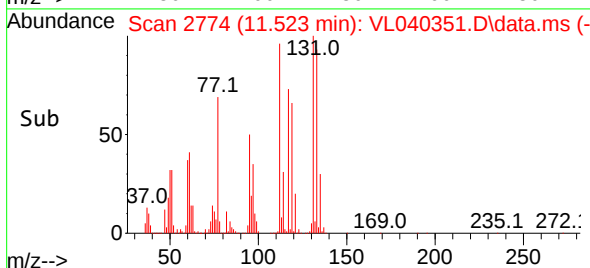
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

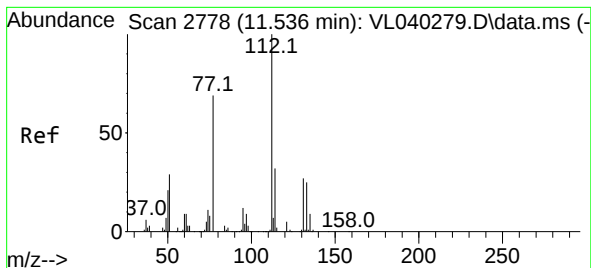


#56
1,1,1,2-Tetrachloroethane
Concen: 9.268 ppbv
RT: 11.523 min Scan# 2774
Delta R.T. 0.007 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42



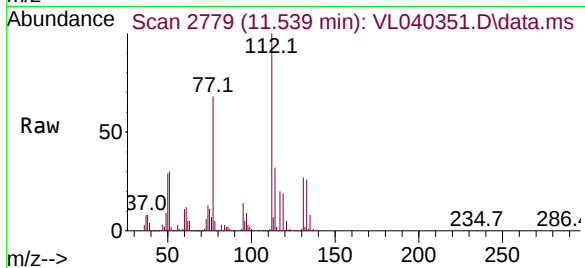
Tgt Ion:131 Resp: 960670
Ion Ratio Lower Upper
131 100
133 93.8 76.5 114.7
119 62.2 47.9 71.9





#57
Chlorobenzene
Concen: 9.064 ppbv
RT: 11.539 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

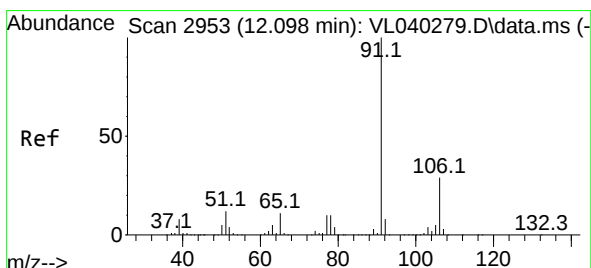
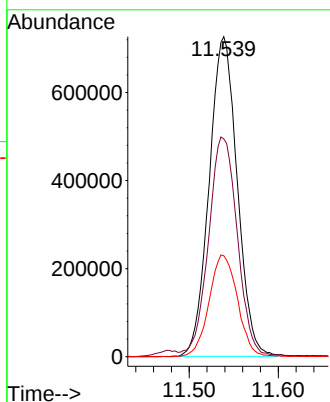
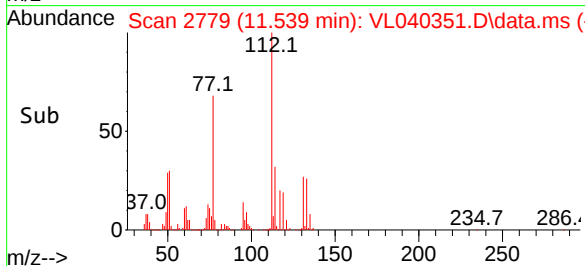
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03



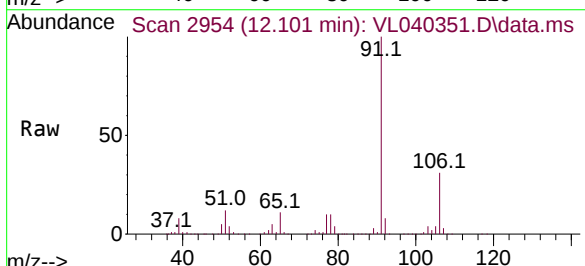
Tgt Ion: 112 Resp: 158875
Ion Ratio Lower Upper
112 100
77 67.6 56.2 84.2
114 31.5 29.0 35.4

Manual Integrations
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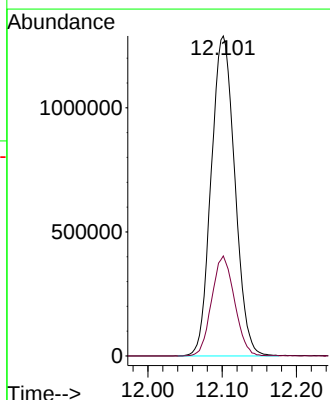
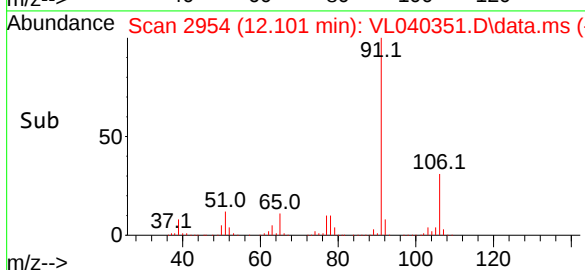
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

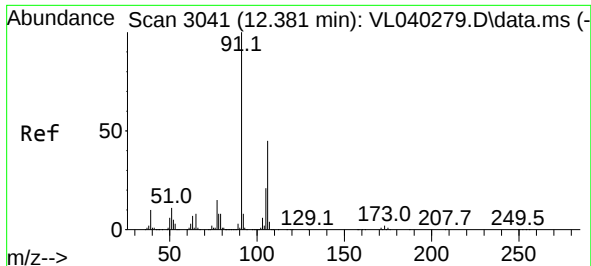


#58
Ethyl Benzene
Concen: 10.160 ppbv
RT: 12.101 min Scan# 2954
Delta R.T. 0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42



Tgt Ion: 91 Resp: 2850771
Ion Ratio Lower Upper
91 100
106 31.2 23.4 35.2





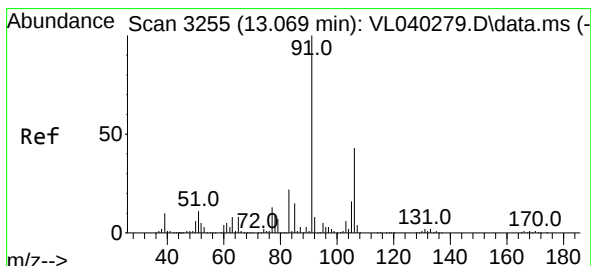
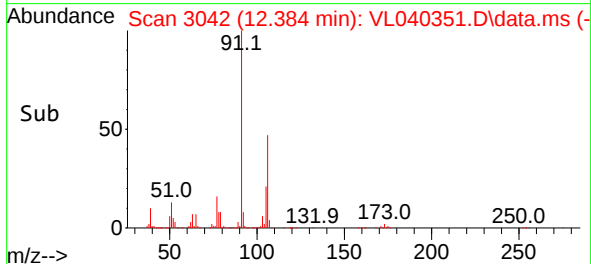
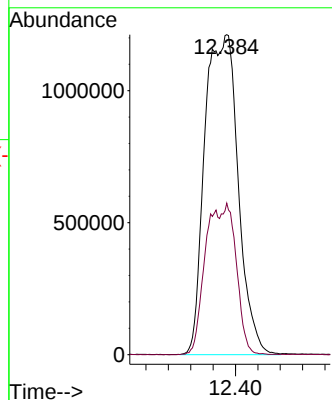
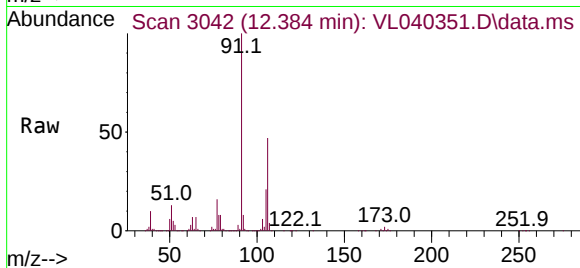
#59
m/p-Xylene
Concen: 19.512 ppbv m
RT: 12.384 min Scan# 3041
Delta R.T. 0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03

Tgt Ion: 91 Resp: 501516
Ion Ratio Lower Upper
91 100
106 43.4 34.0 51.0

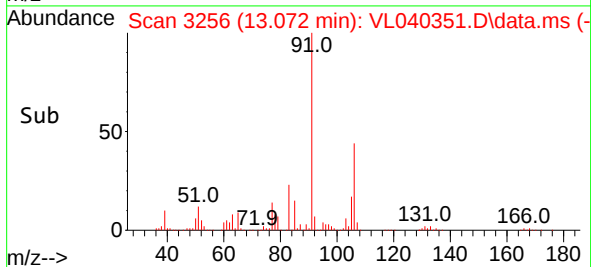
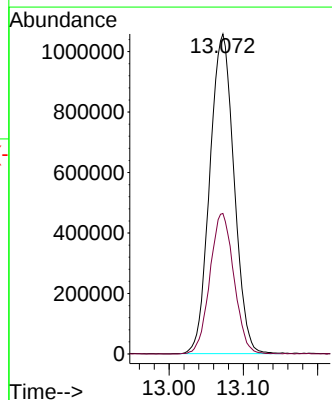
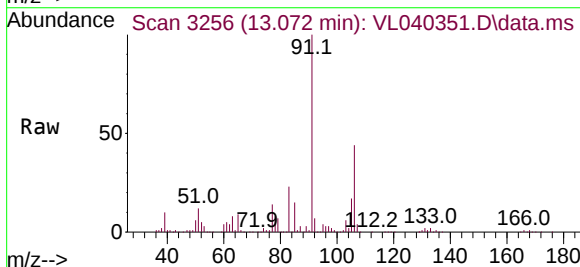
Manual Integrations
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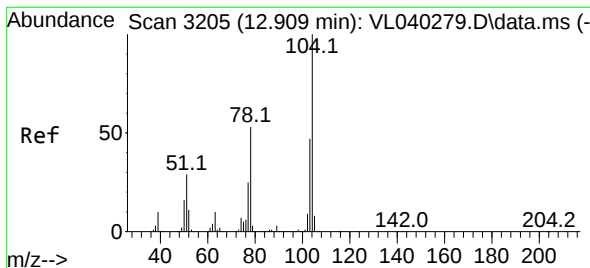
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#60
o-Xylene
Concen: 9.750 ppbv
RT: 13.072 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

Tgt Ion: 91 Resp: 2395600
Ion Ratio Lower Upper
91 100
106 43.7 21.7 65.1





#61

Styrene

Concen: 10.575 ppbv

RT: 12.912 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040351.D

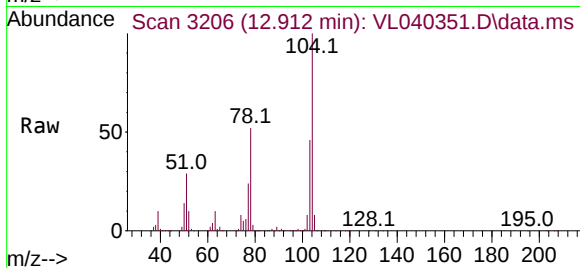
Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03



Tgt Ion:104 Resp: 1318580

Ion Ratio Lower Upper

104 100

78 54.5 43.7 65.5

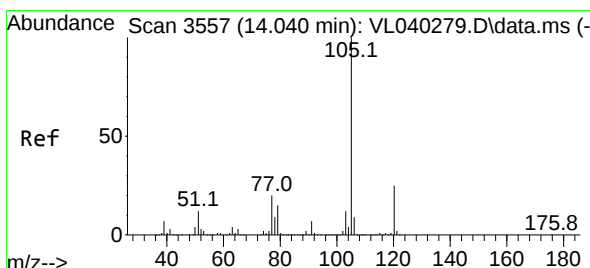
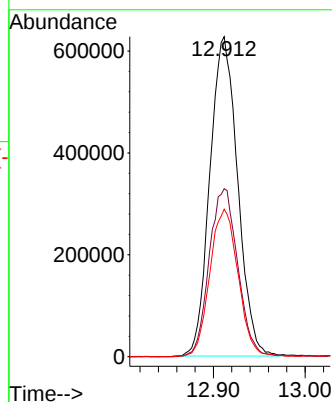
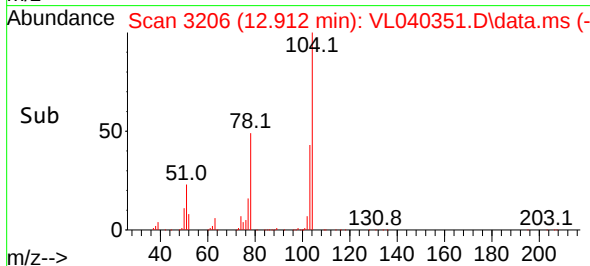
103 47.2 37.4 56.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#62

Isopropylbenzene

Concen: 9.627 ppbv

RT: 14.043 min Scan# 3558

Delta R.T. 0.003 min

Lab File: VL040351.D

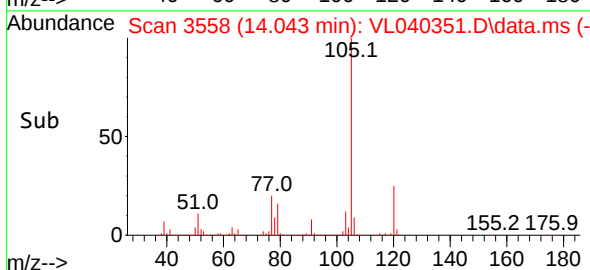
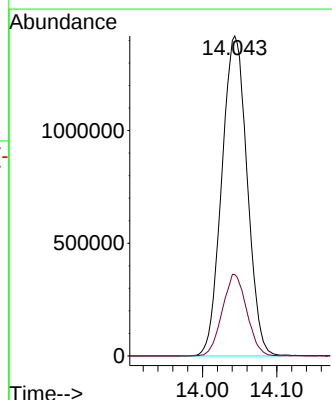
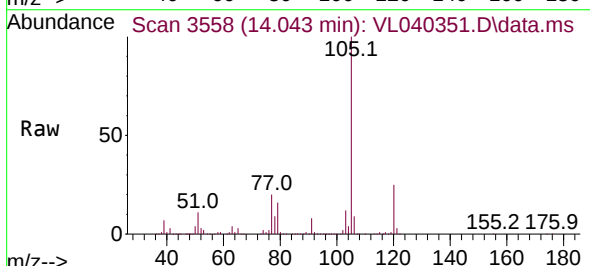
Acq: 13 Apr 2023 00:42

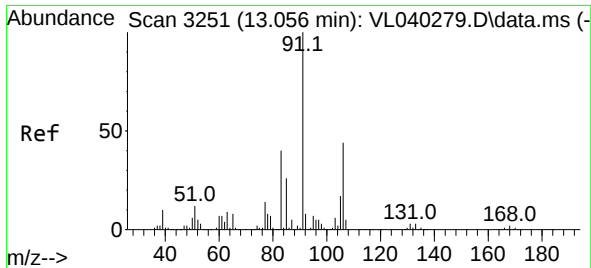
Tgt Ion:105 Resp: 3368696

Ion Ratio Lower Upper

105 100

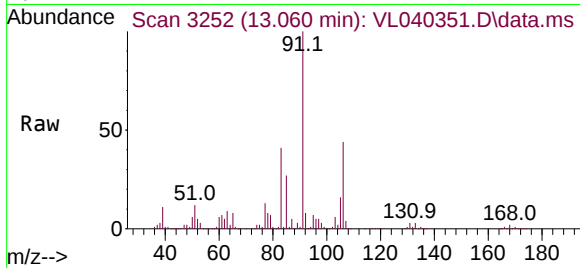
120 24.7 19.9 29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 8.661 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.004 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

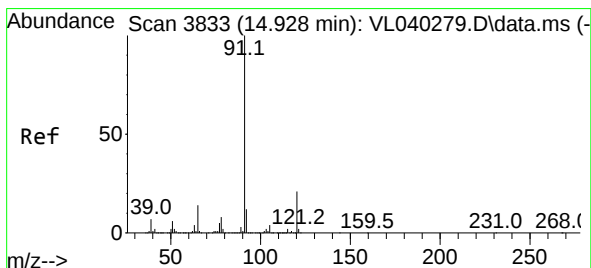
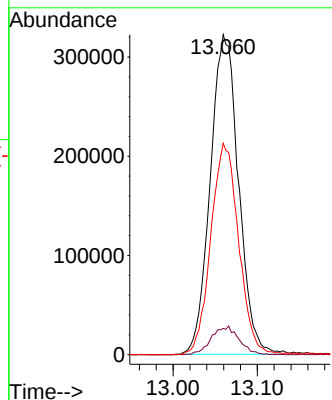
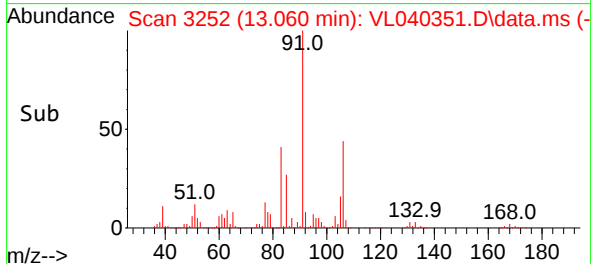
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03



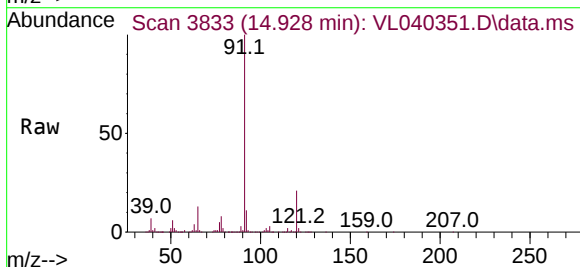
Tgt Ion: 83 Resp: 748820
Ion Ratio Lower Upper
83 100
131 8.7 4.3 12.9
85 65.7 32.7 98.1

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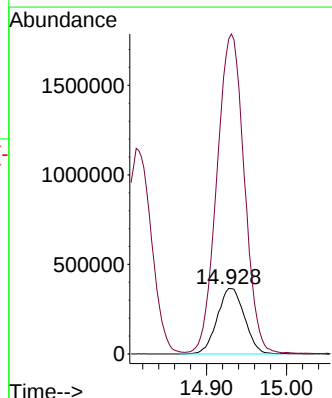
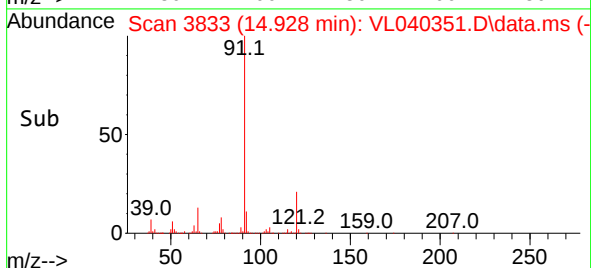
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

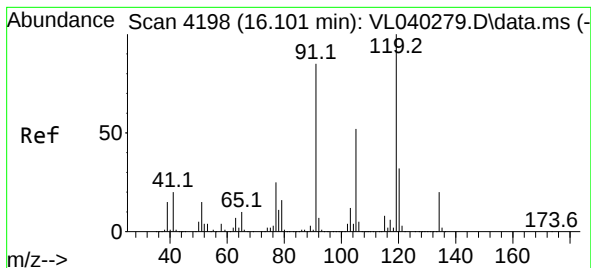


#64
n-propylbenzene
Concen: 10.082 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. -0.000 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42



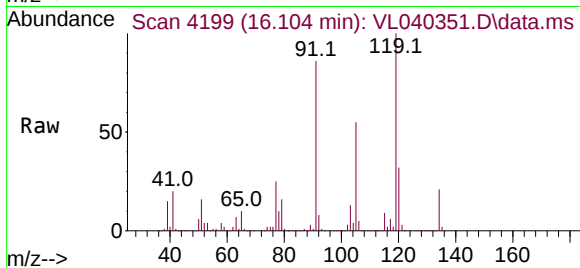
Tgt Ion:120 Resp: 863332
Ion Ratio Lower Upper
120 100
91 494.3 399.0 598.6





#65
tert-Butylbenzene
Concen: 9.956 ppbv
RT: 16.104 min Scan# 4198
Delta R.T. 0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

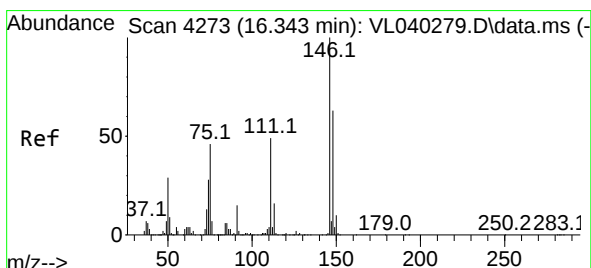
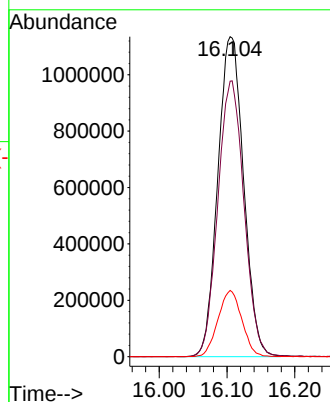
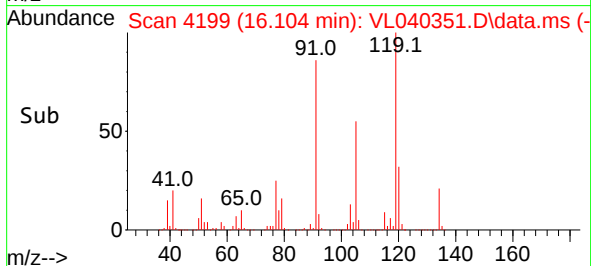
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03



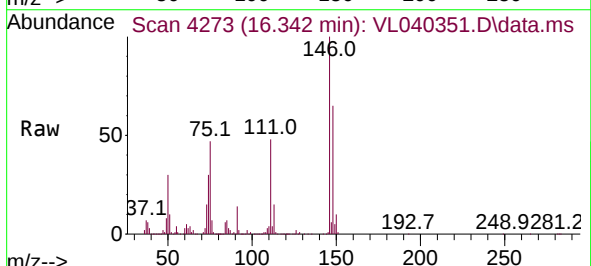
Tgt Ion: 119 Resp: 3002114
Ion Ratio Lower Upper
119 100
91 87.3 69.4 104.2
134 19.2 15.8 23.6

Manual Integrations
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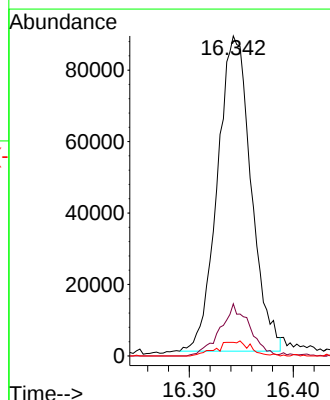
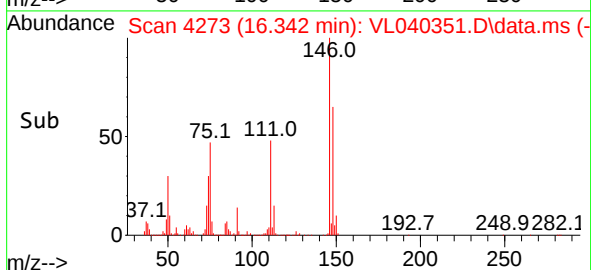
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

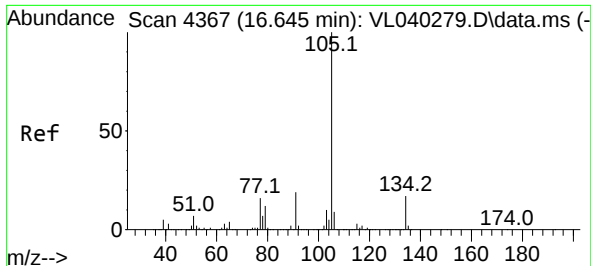


#66
Benzyl Chloride
Concen: 10.110 ppbv
RT: 16.342 min Scan# 4273
Delta R.T. -0.001 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42



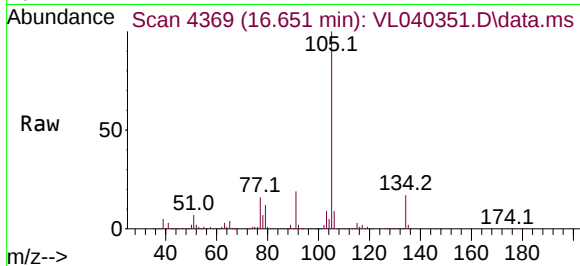
Tgt Ion: 91 Resp: 198128
Ion Ratio Lower Upper
91 100
126 15.0 12.1 18.1
128 4.7 3.8 5.6





#67
 sec-Butylbenzene
 Concen: 10.141 ppbv
 RT: 16.651 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL040351.D
 Acq: 13 Apr 2023 00:42

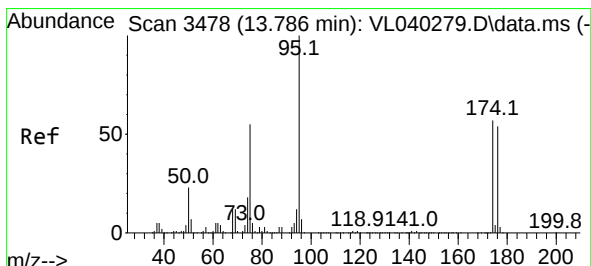
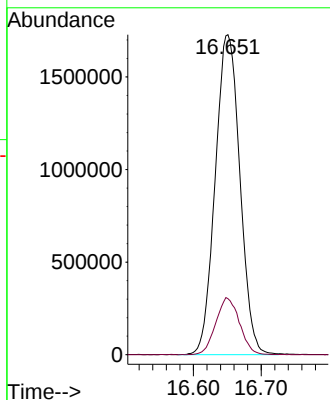
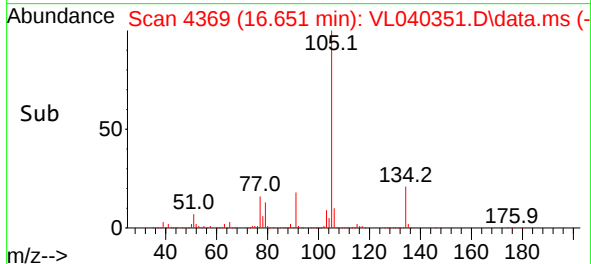
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS03



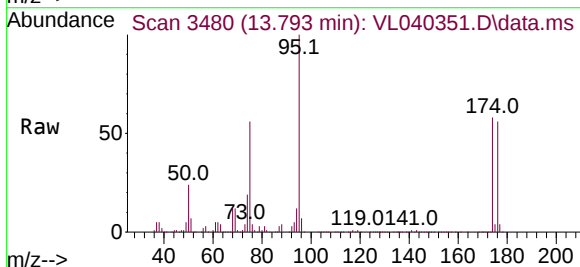
Tgt Ion:105 Resp: 4373092
 Ion Ratio Lower Upper
 105 100
 134 17.1 14.0 21.0

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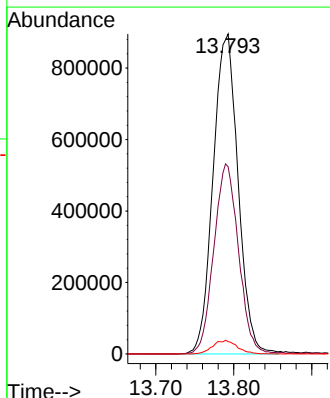
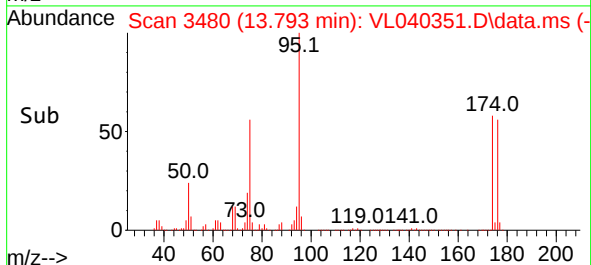
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

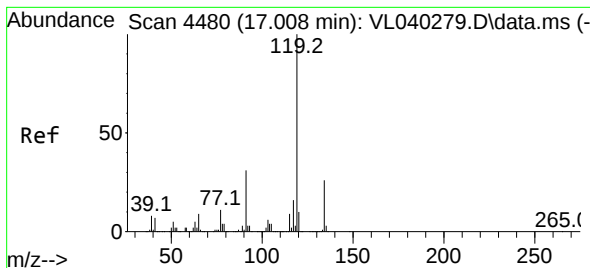


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.664 ppbv
 RT: 13.793 min Scan# 3480
 Delta R.T. 0.007 min
 Lab File: VL040351.D
 Acq: 13 Apr 2023 00:42



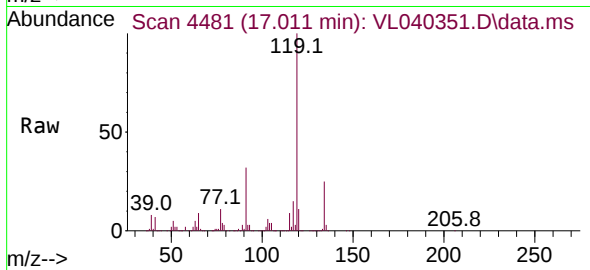
Tgt Ion: 95 Resp: 1994240
 Ion Ratio Lower Upper
 95 100
 174 58.8 47.0 70.6
 175 4.2 3.4 5.2





#69
p-Isopropyltoluene
Concen: 10.572 ppbv
RT: 17.011 min Scan# 4480
Delta R.T. 0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

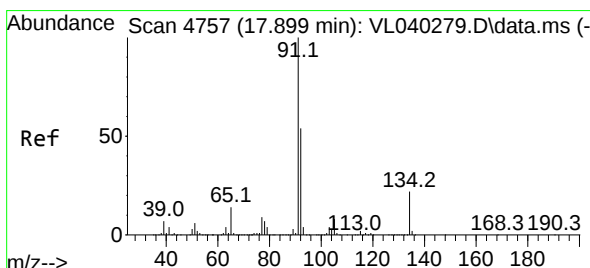
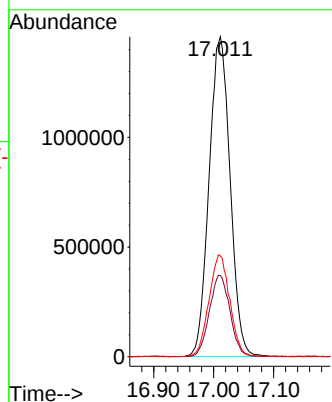
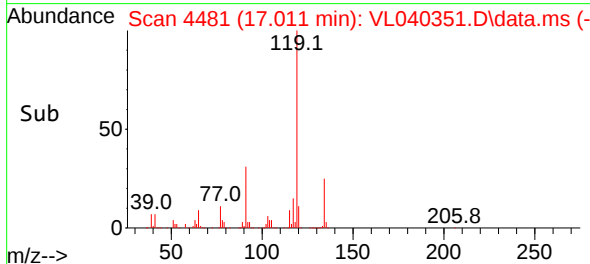
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03



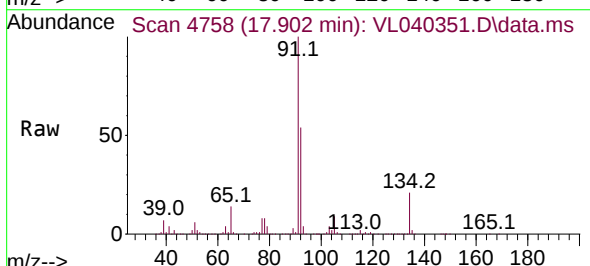
Tgt Ion:119 Resp: 3550424
Ion Ratio Lower Upper
119 100
134 24.9 20.2 30.2
91 31.5 25.1 37.7

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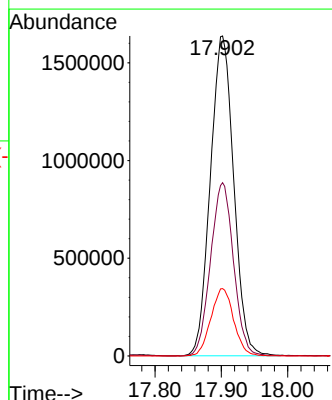
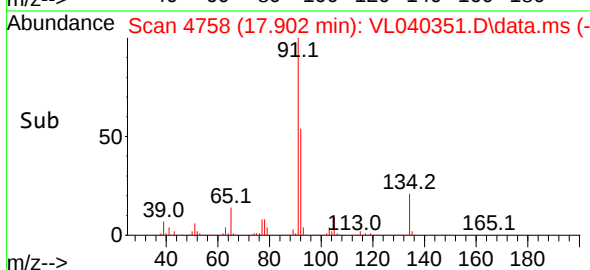
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

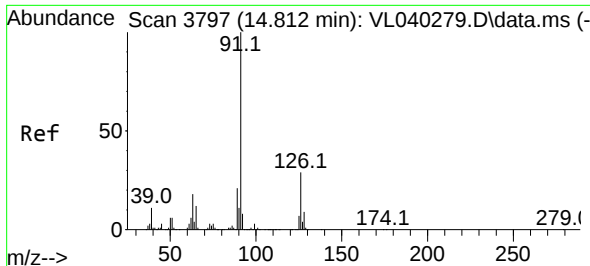


#70
n-Butylbenzene
Concen: 10.815 ppbv
RT: 17.902 min Scan# 4758
Delta R.T. 0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42



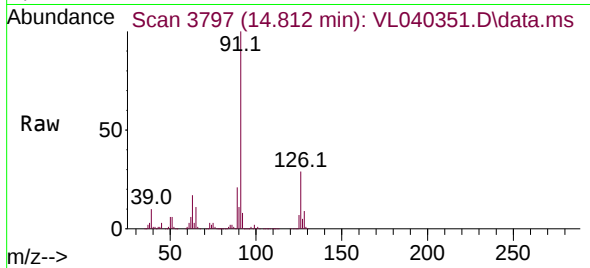
Tgt Ion: 91 Resp: 4001346
Ion Ratio Lower Upper
91 100
92 53.3 42.9 64.3
134 20.6 16.8 25.2





#71
2-Chlorotoluene
Concen: 9.812 ppbv
RT: 14.812 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

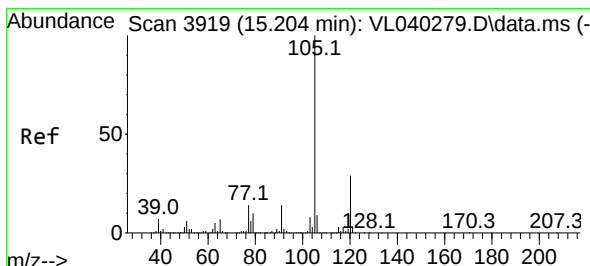
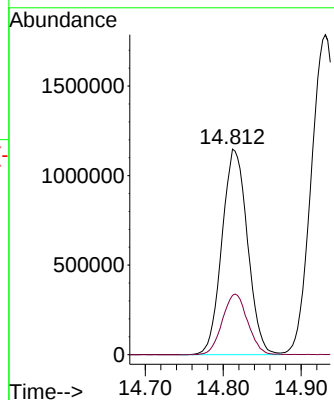
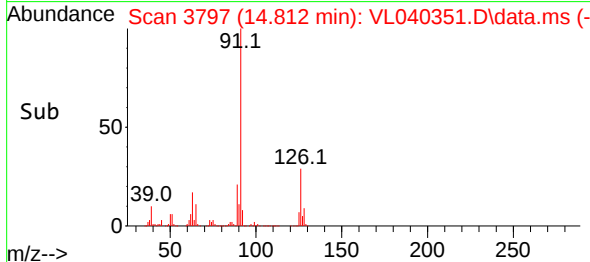
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03



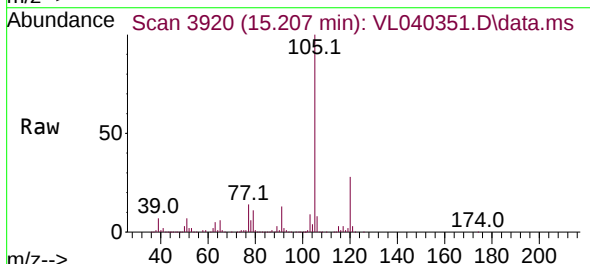
Tgt Ion: 91 Resp: 2613120
Ion Ratio Lower Upper
91 100
126 29.3 11.8 47.4

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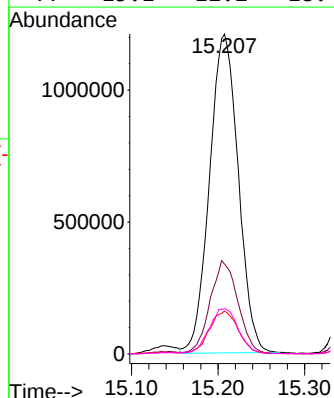
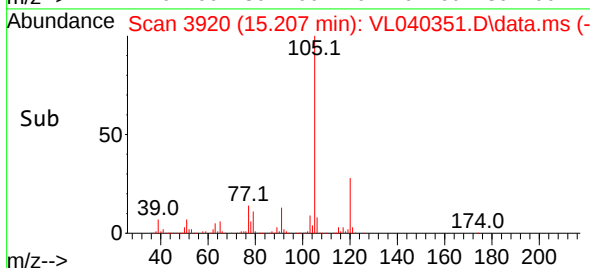
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

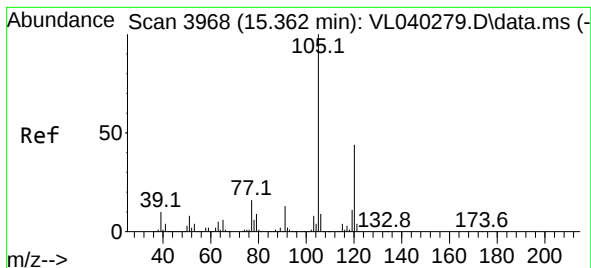


#72
4-Ethyltoluene
Concen: 10.374 ppbv
RT: 15.207 min Scan# 3920
Delta R.T. 0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42



Tgt Ion:105 Resp: 2786962
Ion Ratio Lower Upper
105 100
120 28.5 23.7 35.5
91 13.6 11.6 17.4
77 15.1 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 10.231 ppbv

RT: 15.365 min Scan# 3968

Delta R.T. 0.003 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03

Tgt Ion:105 Resp: 248967

Ion Ratio Lower Upper

105 100

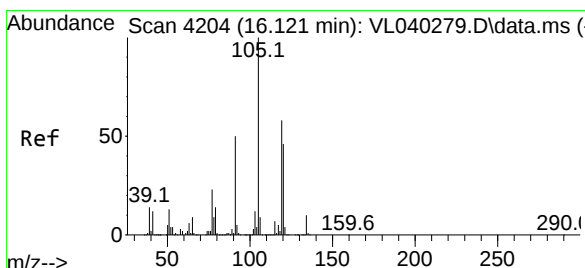
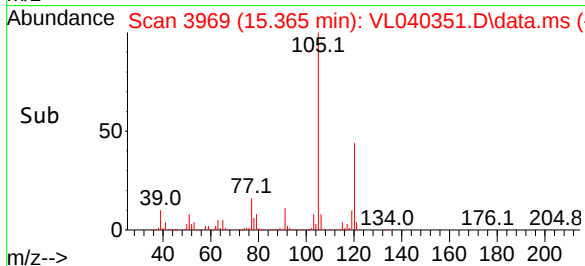
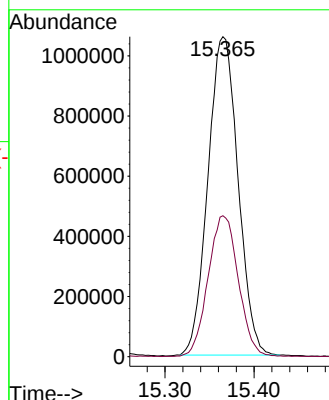
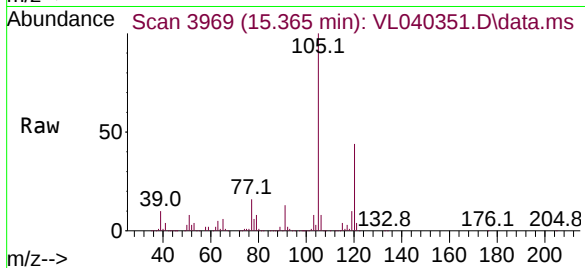
120 44.1 34.9 52.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#74

1,2,4-Trimethylbenzene

Concen: 10.065 ppbv

RT: 16.121 min Scan# 4204

Delta R.T. -0.000 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Tgt Ion:105 Resp: 2793073

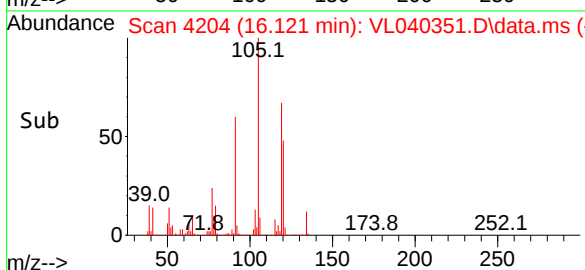
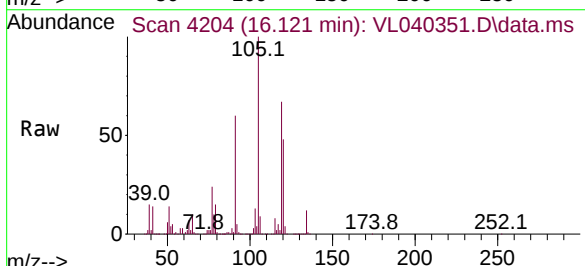
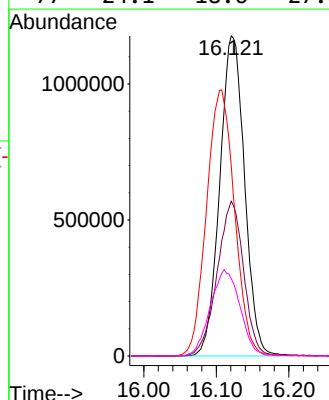
Ion Ratio Lower Upper

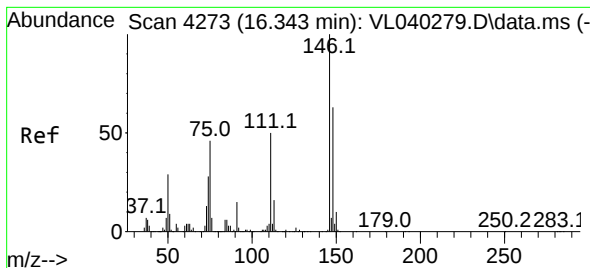
105 100

120 48.3 36.6 54.8

91 59.3 39.9 59.9

77 24.1 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 10.257 ppbv

RT: 16.346 min Scan# 4318

Delta R.T. 0.003 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03

Tgt Ion:146 Resp: 1541619

Ion Ratio Lower Upper

146 100

111 48.3 24.3 73.0

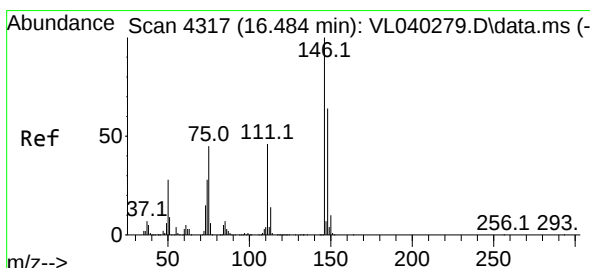
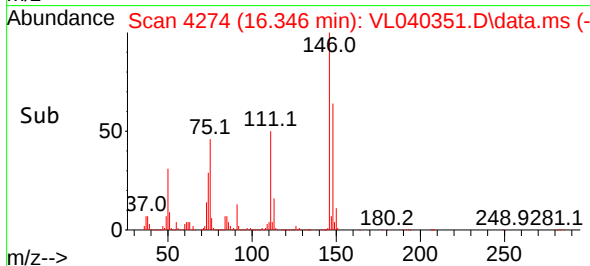
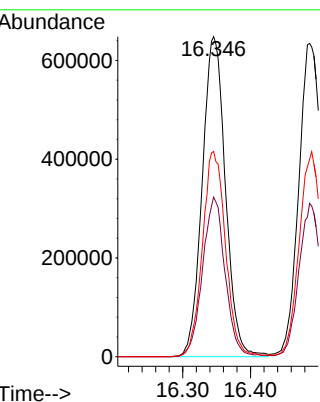
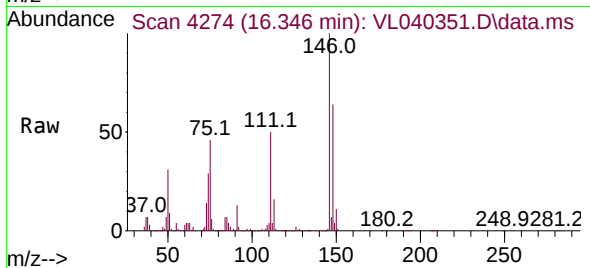
148 64.0 31.9 95.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#76

1,4-Dichlorobenzene

Concen: 10.423 ppbv

RT: 16.487 min Scan# 4318

Delta R.T. 0.003 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

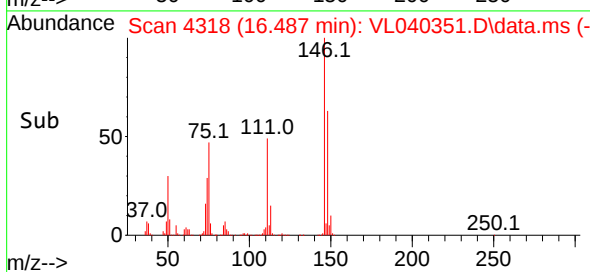
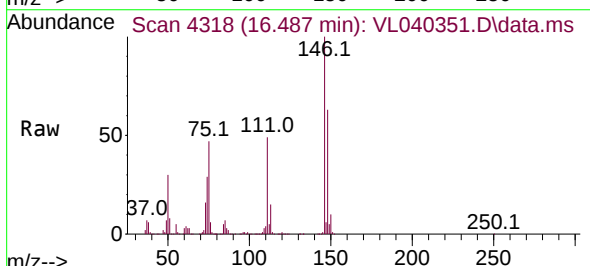
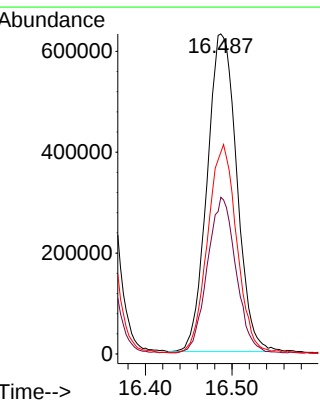
Tgt Ion:146 Resp: 1494196

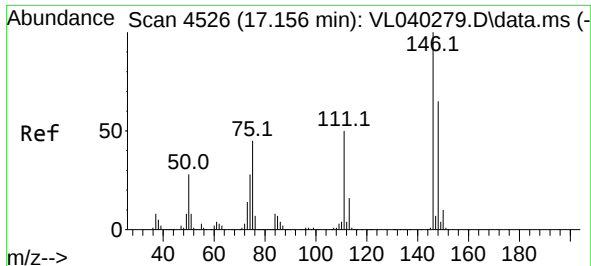
Ion Ratio Lower Upper

146 100

111 48.5 23.8 71.2

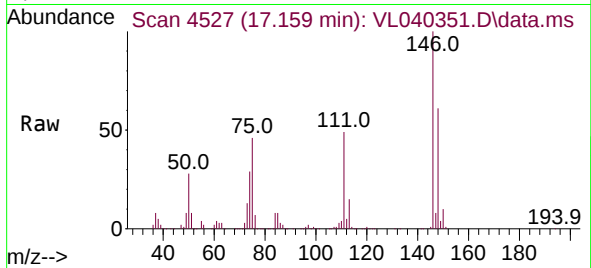
148 66.0 32.5 97.5





#77
1,2-Dichlorobenzene
Concen: 10.506 ppbv
RT: 17.159 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

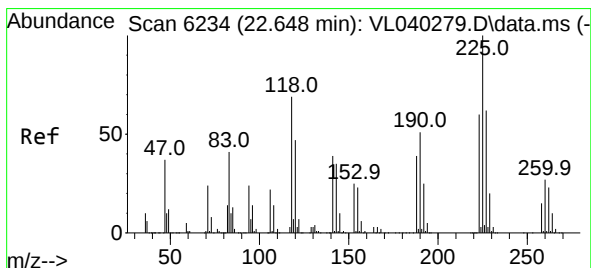
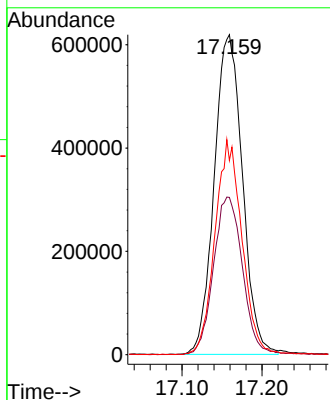
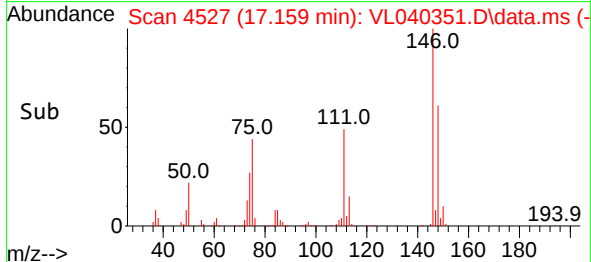
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03



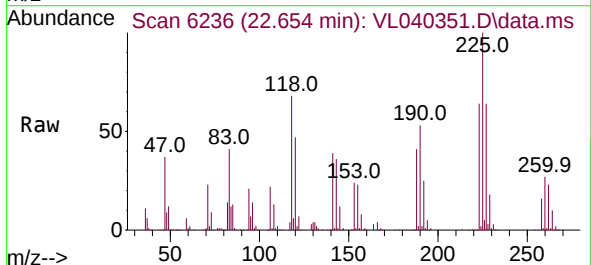
Tgt Ion:146 Resp: 1517774
Ion Ratio Lower Upper
146 100
111 50.7 25.2 75.6
148 64.5 32.1 96.3

Manual Integrations
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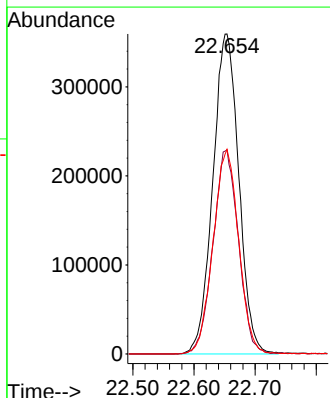
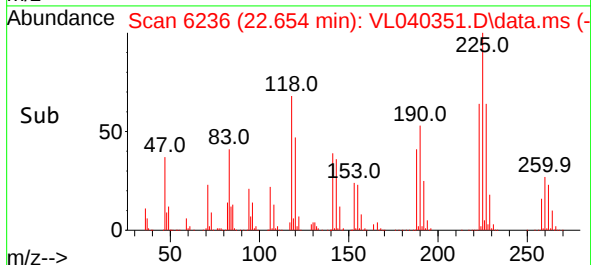
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

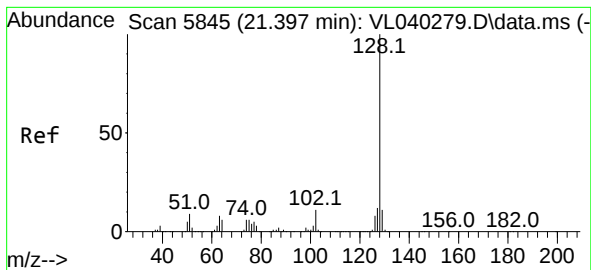


#78
Hexachloro-1,3-Butadiene
Concen: 10.006 ppbv
RT: 22.654 min Scan# 6236
Delta R.T. 0.006 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42



Tgt Ion:225 Resp: 1060119
Ion Ratio Lower Upper
225 100
223 62.6 51.0 76.6
227 63.1 51.4 77.2





#79

Naphthalene

Concen: 12.880 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. 0.003 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS03

Tgt Ion:128 Resp: 2114390

Ion Ratio Lower Upper

128 100

127 13.6 9.6 14.4

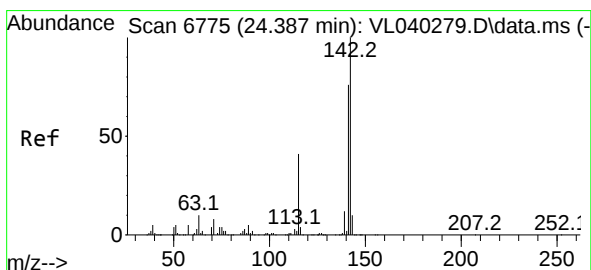
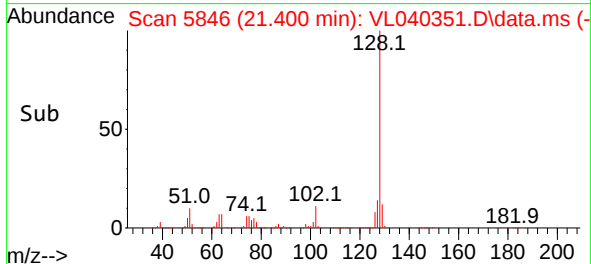
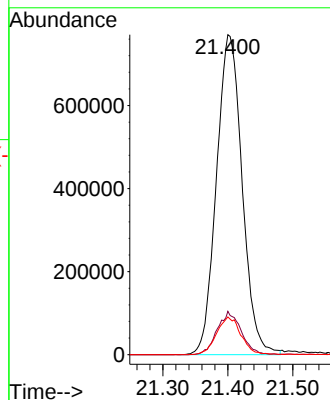
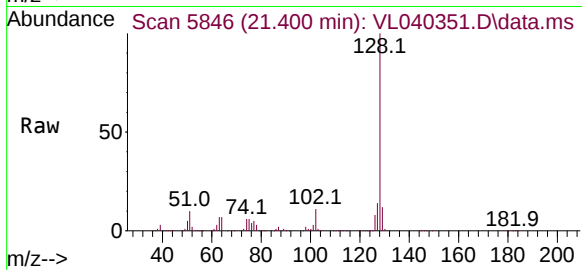
129 11.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#80

Naphthalene,2-methyl-

Concen: 6.548 ppbv

RT: 24.387 min Scan# 6775

Delta R.T. 0.000 min

Lab File: VL040351.D

Acq: 13 Apr 2023 00:42

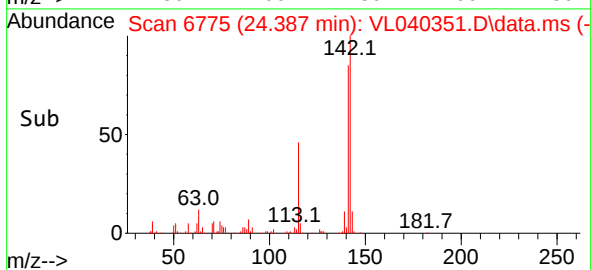
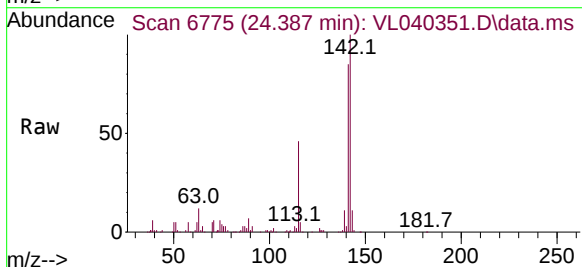
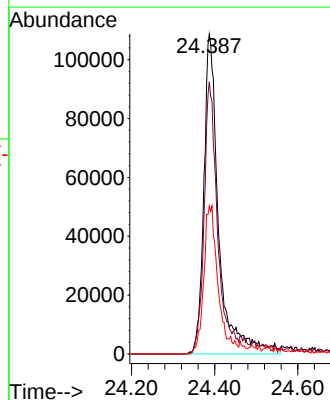
Tgt Ion:142 Resp: 272261

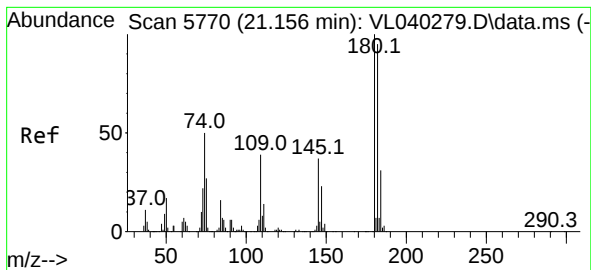
Ion Ratio Lower Upper

142 100

141 85.5 65.5 98.3

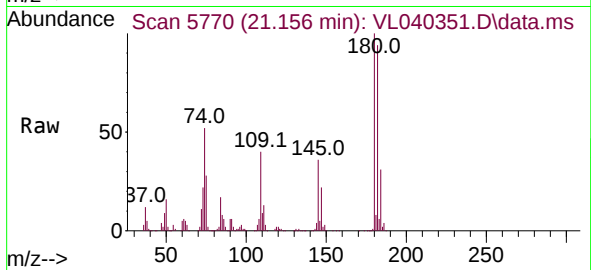
115 45.6 33.5 50.3





#81
1,2,4-Trichlorobenzene
Concen: 11.346 ppbv
RT: 21.156 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL040351.D
Acq: 13 Apr 2023 00:42

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS03



Tgt Ion:180 Resp: 1147229
Ion Ratio Lower Upper
180 100
182 97.2 76.1 114.1
184 30.6 24.4 36.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

