

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040430.D
 Acq On : 16 May 2023 8:55
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: May 16 09:52:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/17/2023
 Supervised By : Mahesh Dadoda 05/17/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	1048619	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2663416	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2335070	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1914492	9.915	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.719	85	122834	0.650	ppbv	95
3) Chlorodifluoromethane	2.665	51	71537	0.522	ppbv	96
4) Chloromethane	2.803	50	44101	0.509	ppbv	94
5) Vinyl Chloride	2.912	62	32995	0.462	ppbv	96
6) Bromomethane	3.108	94	11402	0.484	ppbv	85
7) Chloroethane	3.195	64	14926m	0.552	ppbv	
8) Dichlorotetrafluoroethane	2.848	85	98158	0.531	ppbv	95
9) Propene	2.684	41	27079	0.500	ppbv	99
10) Heptane	7.578	43	54466m	0.443	ppbv	
11) Trichlorofluoromethane	3.555	101	90369	0.472	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.060	101	67667	0.505	ppbv	94
13) Ethanol	3.253	45	2631m	0.582	ppbv	
14) Bromoethene	3.359	108	25860	0.472	ppbv #	96
15) Acetone	3.475	43	69984	0.471	ppbv	92
16) 1,3-Butadiene	2.980	39	31292	0.509	ppbv	97
17) tert-Butyl alcohol	3.890	59	63355	0.465	ppbv	97
18) 1,1-Dichloroethene	3.874	96	30276	0.501	ppbv #	89
19) Isopropyl Alcohol	3.591	45	33747	0.498	ppbv #	91
20) Methylene Chloride	3.931	84	36071	0.608	ppbv	94
21) Allyl Chloride	3.993	41	38999	0.462	ppbv	90
22) trans-1,2-Dichloroethene	4.439	96	29456	0.488	ppbv	85
23) Vinyl Acetate	4.632	43	17982m	0.476	ppbv	
24) 1,1-Dichloroethane	4.558	63	62957	0.500	ppbv #	96
25) Ethyl Acetate	5.211	43	115160	0.461	ppbv	98
26) Hexane	5.208	57	48375	0.459	ppbv #	88
27) Carbon Disulfide	4.118	76	61788	0.453	ppbv	96
28) Methyl tert-Butyl Ether	4.597	73	51348m	0.472	ppbv	
29) Chloroform	5.272	83	94564	0.504	ppbv	100
30) Cyclohexane	6.603	84	30573	0.375	ppbv #	82
31) cis-1,2-Dichloroethene	5.076	61	48094	0.461	ppbv	92
32) 1,1,1-Trichloroethane	6.002	97	86889	0.476	ppbv	96
34) 2-Butanone	4.796	43	66344	0.462	ppbv	100
35) Carbon Tetrachloride	6.494	117	86419	0.461	ppbv	85
36) Benzene	6.372	78	95153	0.438	ppbv	97
37) 1,2-Dichloroethane	5.809	62	66968	0.469	ppbv	97
38) Trichloroethene	7.295	130	54443	0.440	ppbv	94
39) 1,2-Dichloropropane	7.076	63	41040m	0.480	ppbv	
40) 1,4-Dioxane	7.327	88	12582m	0.384	ppbv	
41) Tetrahydrofuran	5.581	42	32688m	0.416	ppbv	
42) Bromodichloromethane	7.246	83	89590	0.460	ppbv	98
43) Methyl Methacrylate	7.484	69	31154	0.386	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	151707	0.418	ppbv #	89
45) t-1,3-Dichloropropene	8.713	75	23900m	0.332	ppbv	

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 16 09:52:55 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M

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

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

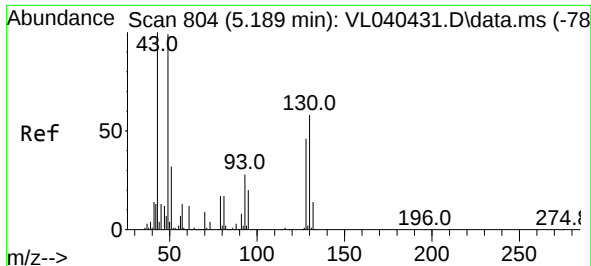
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	33954m	0.338	ppbv	
47) 1,1,2-Trichloroethane	8.902	97	42885m	0.457	ppbv	
48) Dibromochloromethane	9.713	129	60059	0.398	ppbv	95
49) Bromoform	12.410	173	46642	0.396	ppbv	98
50) 4-Methyl-2-Pentanone	8.201	43	86067	0.395	ppbv	95
51) 2-Hexanone	9.581	43	56048m	0.348	ppbv	
52) Tetrachloroethene	10.623	164	31709m	0.467	ppbv	
53) Toluene	9.227	91	83608m	0.363	ppbv	
54) 1,2-Dibromoethane	10.012	107	41129m	0.433	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.510	131	50448	0.473	ppbv #	61
57) Chlorobenzene	11.526	112	93968	0.514	ppbv #	94
58) Ethyl Benzene	12.092	91	108866m	0.379	ppbv	
59) m/p-Xylene	12.378	91	219271m	0.830	ppbv	
60) o-Xylene	13.060	91	101786	0.401	ppbv	98
61) Styrene	12.905	104	40223m	0.317	ppbv	
62) Isopropylbenzene	14.034	105	163512	0.448	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	42865m	0.462	ppbv	
64) n-propylbenzene	14.925	120	38939	0.433	ppbv	85
65) tert-Butylbenzene	16.101	119	138275	0.430	ppbv	93
66) Benzyl Chloride	16.339	91	9149m	0.460	ppbv	
67) sec-Butylbenzene	16.645	105	204733	0.444	ppbv	100
69) p-Isopropyltoluene	17.005	119	153363m	0.426	ppbv	
70) n-Butylbenzene	17.902	91	175347	0.439	ppbv	94
71) 2-Chlorotoluene	14.806	91	115880	0.413	ppbv	100
72) 4-Ethyltoluene	15.204	105	114470m	0.409	ppbv	
73) 1,3,5-Trimethylbenzene	15.359	105	108667m	0.420	ppbv	
74) 1,2,4-Trimethylbenzene	16.114	105	131010	0.443	ppbv	90
75) 1,3-Dichlorobenzene	16.346	146	77560m	0.479	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	76692m	0.480	ppbv	
77) 1,2-Dichlorobenzene	17.150	146	79324m	0.496	ppbv	
78) Hexachloro-1,3-Butadiene	22.648	225	61396m	0.479	ppbv	
79) Naphthalene	21.394	128	64602m	0.324	ppbv	
80) Naphthalene,2-methyl-	24.384	142	20616m	0.347	ppbv	
81) 1,2,4-Trichlorobenzene	21.143	180	44826m	0.366	ppbv	

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

Manual Integrations APPROVED

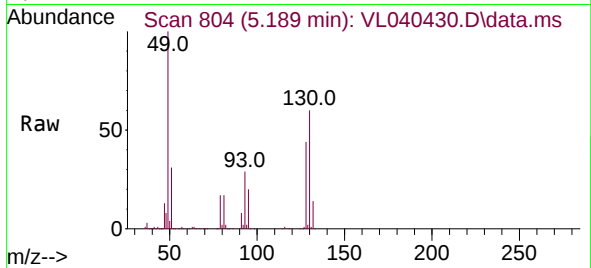
Quant Time: May 16 09:52:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Apr 13 14:37:02 2023
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.000 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

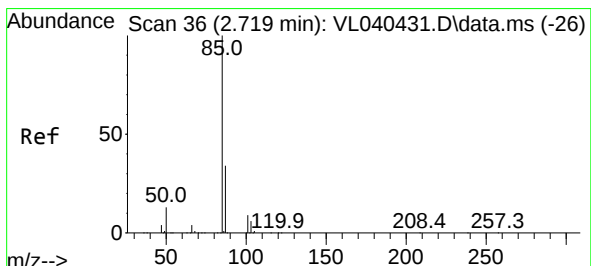
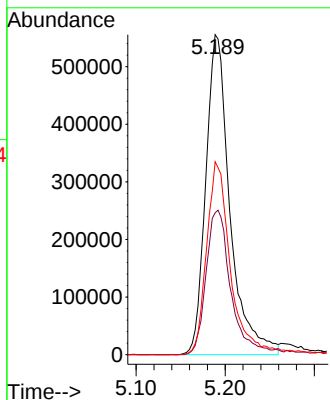
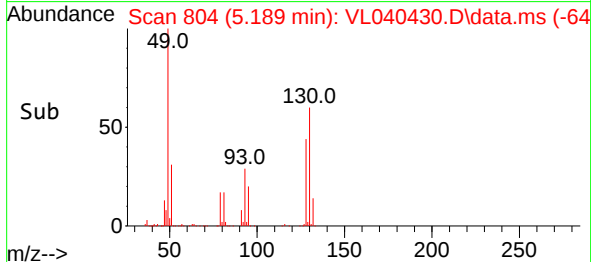
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 49 Resp: 1048619
Ion Ratio Lower Upper
49 100
128 48.2 23.7 71.1
130 60.7 29.9 89.8

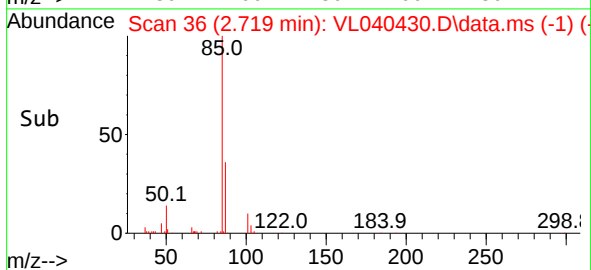
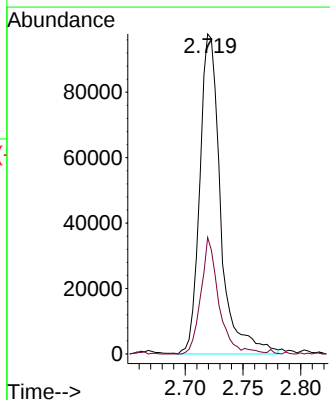
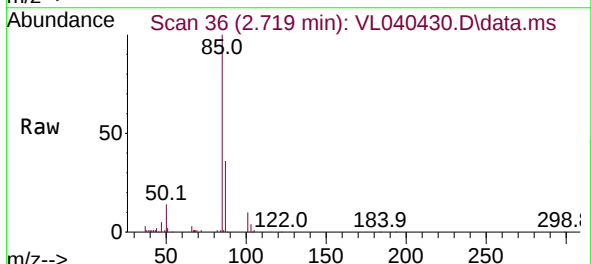
Manual Integrations
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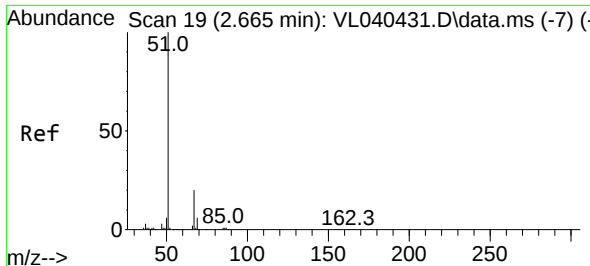
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#2
Dichlorodifluoromethane
Concen: 0.650 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.003 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

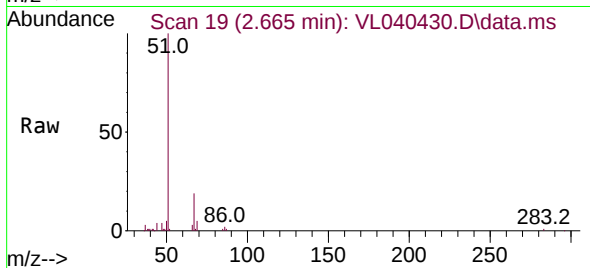
Tgt Ion: 85 Resp: 122834
Ion Ratio Lower Upper
85 100
87 36.4 26.6 40.0





#3
Chlorodifluoromethane
Concen: 0.522 ppbv
RT: 2.665 min Scan# 19
Delta R.T. 0.004 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

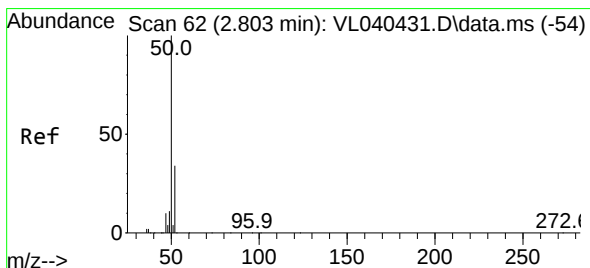
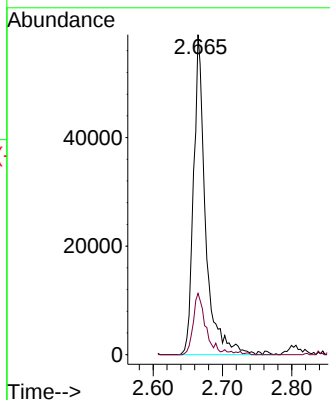
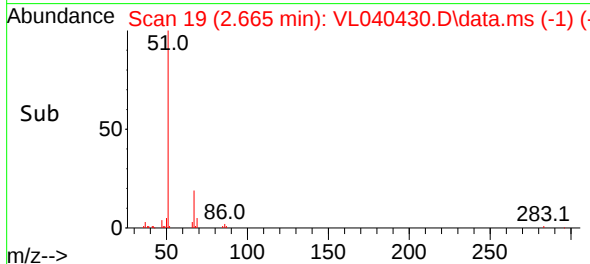
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



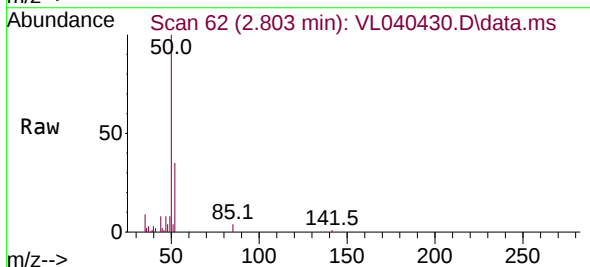
Tgt Ion: 51 Resp: 7153
Ion Ratio Lower Upper
51 100
67 21.0 15.5 23.3

Manual Integrations
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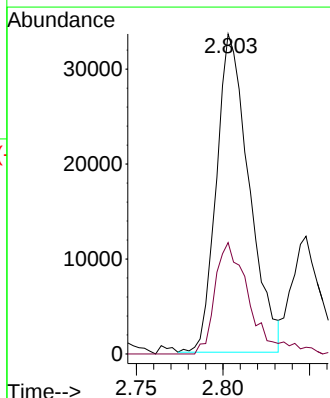
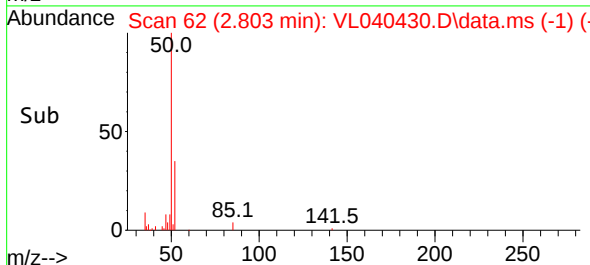
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

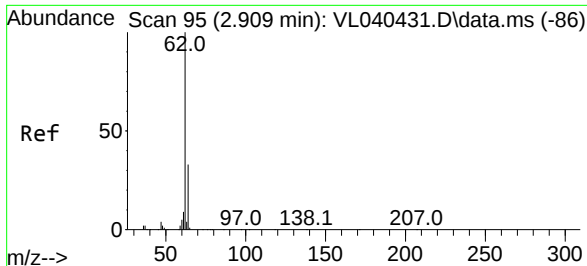


#4
Chloromethane
Concen: 0.509 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55



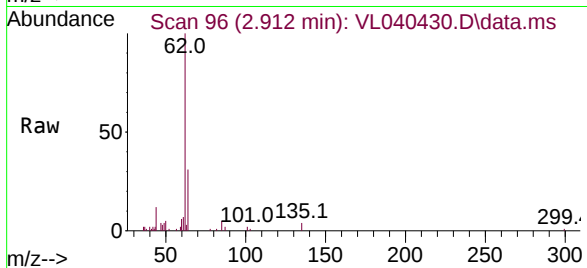
Tgt Ion: 50 Resp: 44101
Ion Ratio Lower Upper
50 100
52 35.0 25.3 37.9





#5
 Vinyl Chloride
 Concen: 0.462 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. 0.003 min
 Lab File: VL040430.D
 Acq: 16 May 2023 8:55

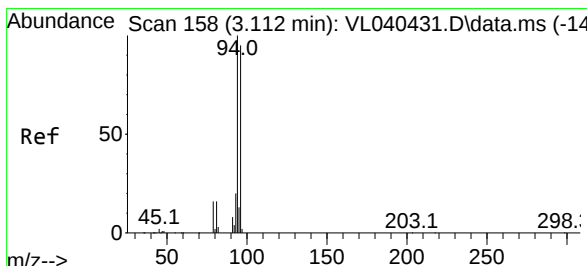
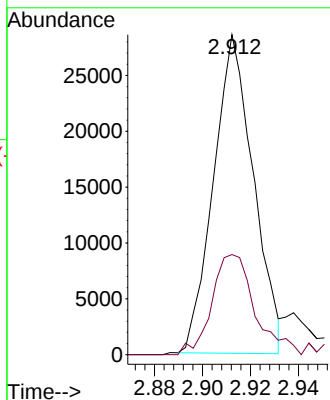
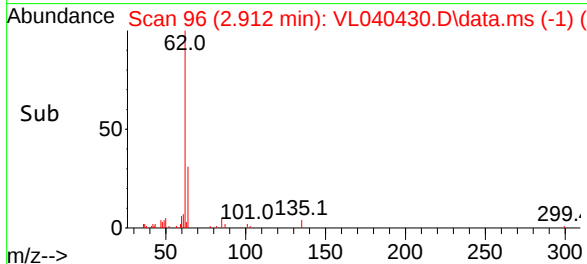
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5



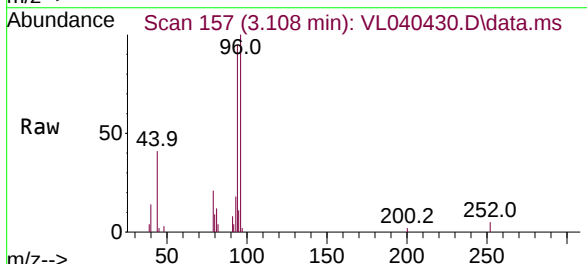
Tgt Ion: 62 Resp: 3299
 Ion Ratio Lower Upper
 62 100
 64 30.5 26.3 39.5

Manual Integrations
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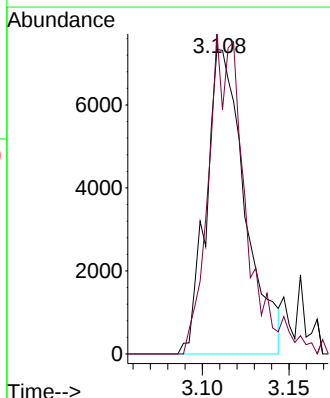
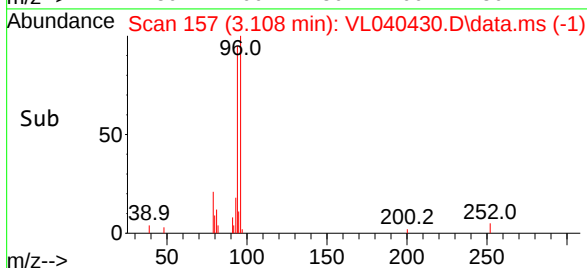
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

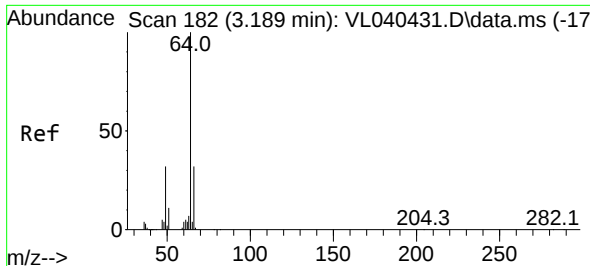


#6
 Bromomethane
 Concen: 0.484 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.000 min
 Lab File: VL040430.D
 Acq: 16 May 2023 8:55



Tgt Ion: 94 Resp: 11402
 Ion Ratio Lower Upper
 94 100
 96 105.1 72.6 108.8





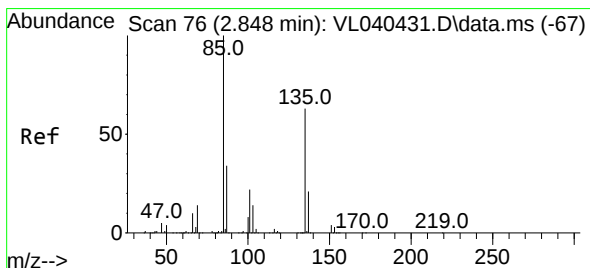
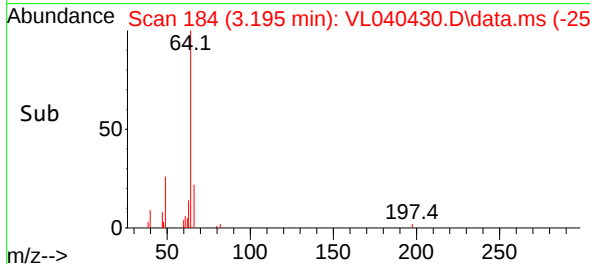
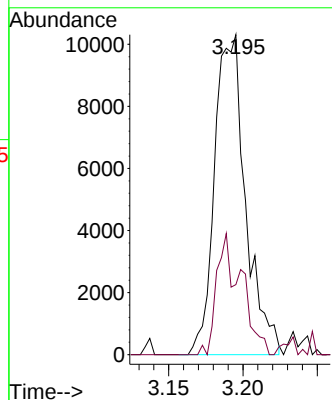
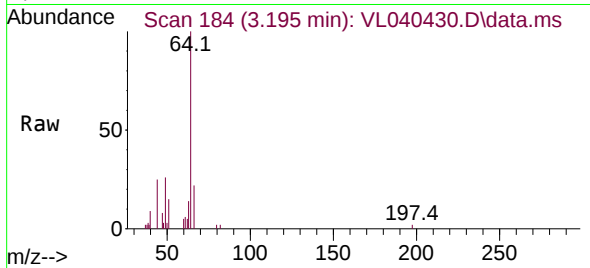
#7
Chloroethane
Concen: 0.552 ppbv m
RT: 3.195 min Scan# 182
Delta R.T. 0.010 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 64 Resp: 14920
Ion Ratio Lower Upper
64 100
66 21.9 27.5 41.3

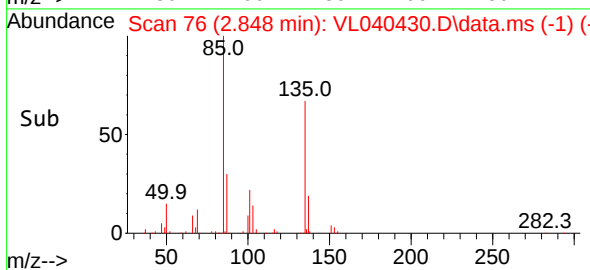
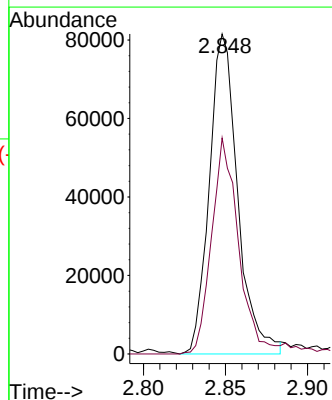
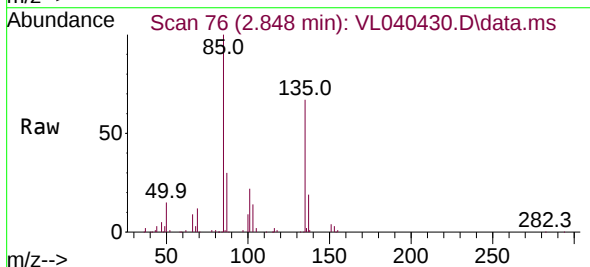
Manual Integrations
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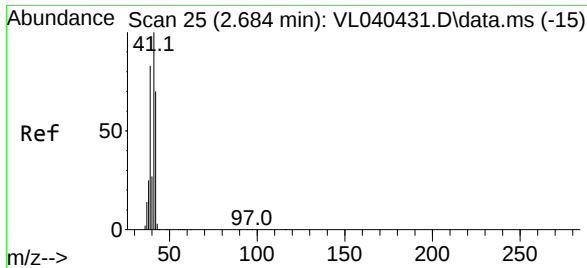
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#8
Dichlorotetrafluoroethane
Concen: 0.531 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.003 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Tgt Ion: 85 Resp: 98158
Ion Ratio Lower Upper
85 100
135 67.5 50.7 76.1





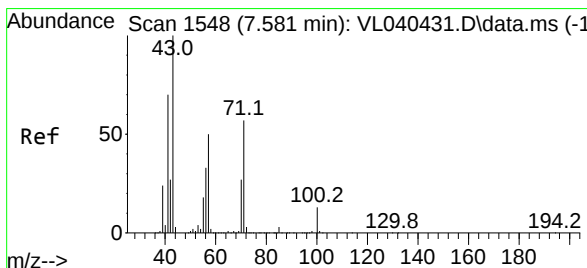
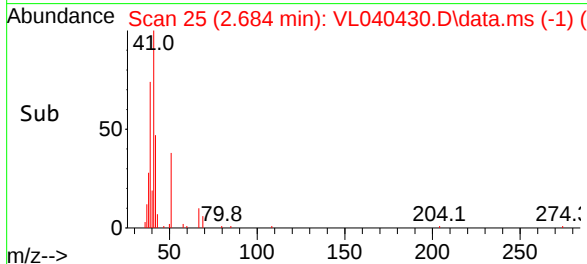
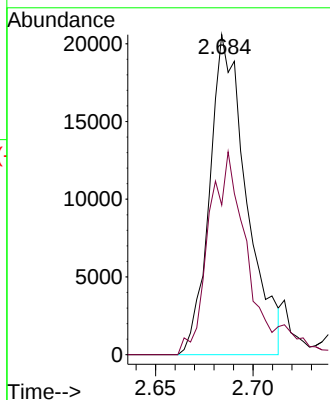
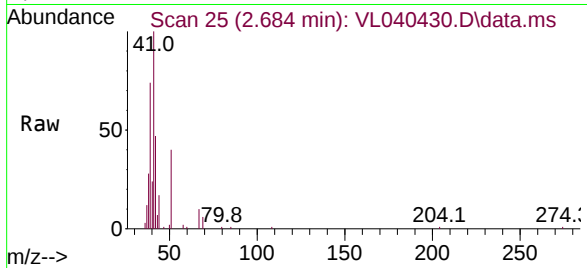
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 Propene
 Concen: 0.500 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL040430.D
 Acq: 16 May 2023 8:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 27079
 Ion Ratio Lower Upper
 41 100
 42 71.1 56.5 84.7

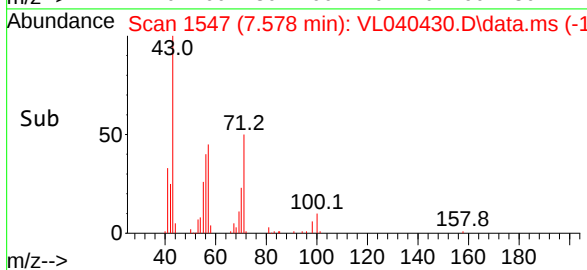
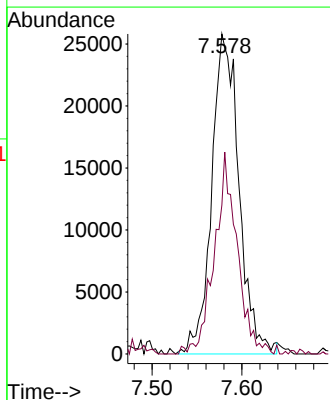
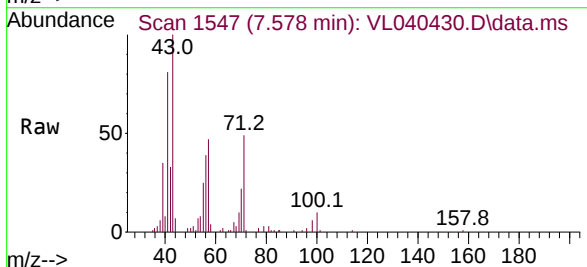
Manual Integrations
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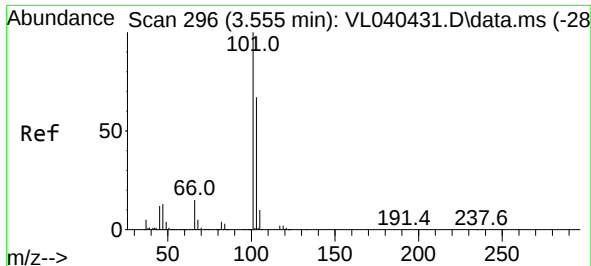
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#10
 Heptane
 Concen: 0.443 ppbv m
 RT: 7.578 min Scan# 1547
 Delta R.T. -0.003 min
 Lab File: VL040430.D
 Acq: 16 May 2023 8:55

Tgt Ion: 43 Resp: 54466
 Ion Ratio Lower Upper
 43 100
 57 53.4 42.2 63.4





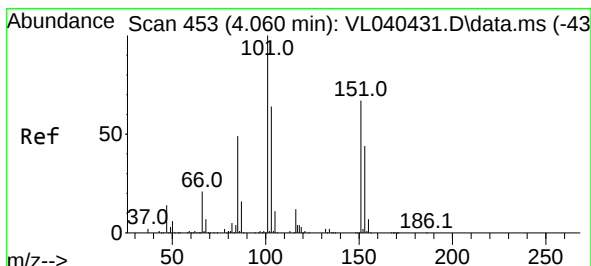
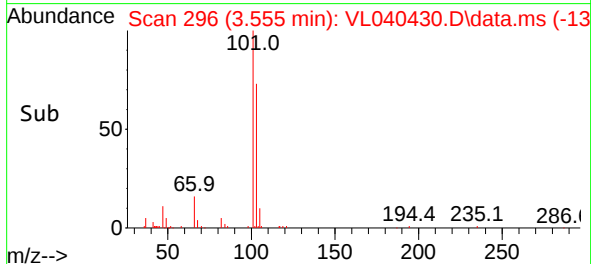
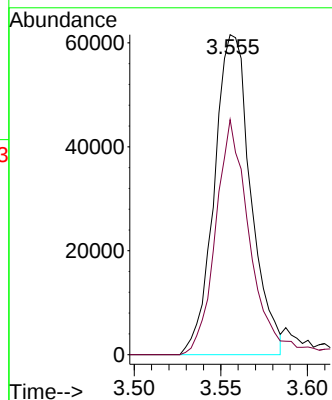
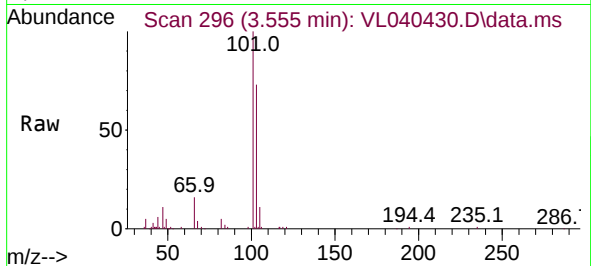
#11
Trichlorofluoromethane
Concen: 0.472 ppbv
RT: 3.555 min Scan# 296
Delta R.T. 0.003 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:101 Resp: 90369
Ion Ratio Lower Upper
101 100
103 73.5 52.2 78.4

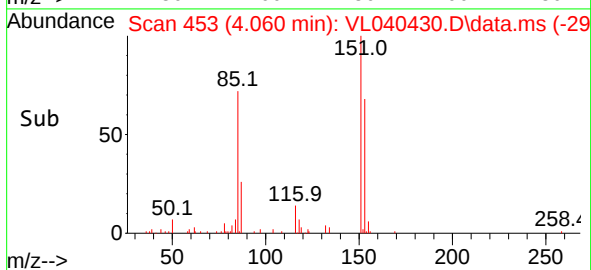
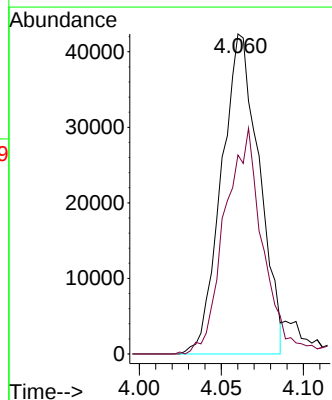
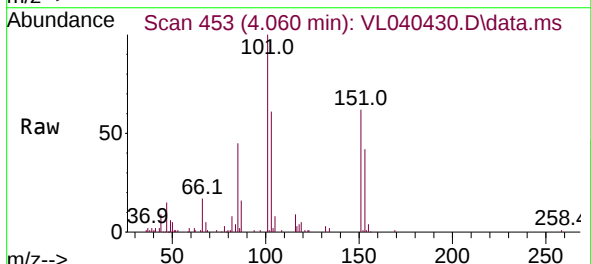
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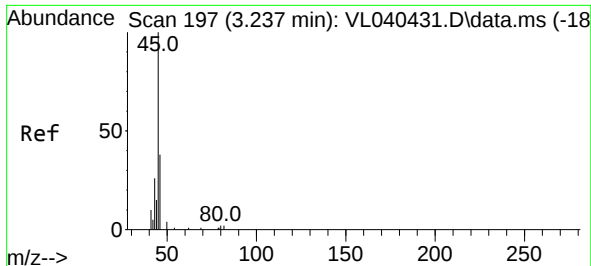
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.505 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Tgt Ion:101 Resp: 67667
Ion Ratio Lower Upper
101 100
151 73.5 54.7 82.1





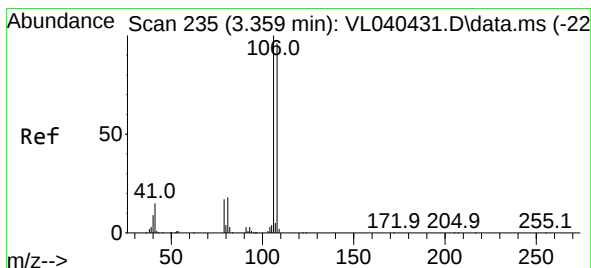
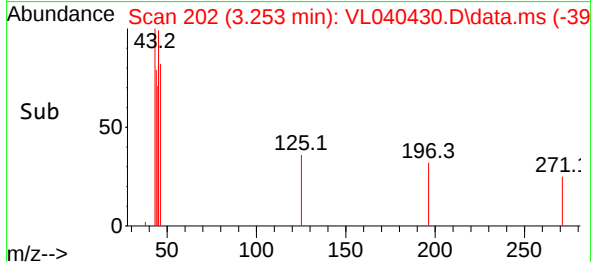
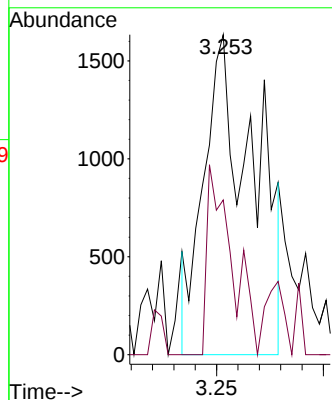
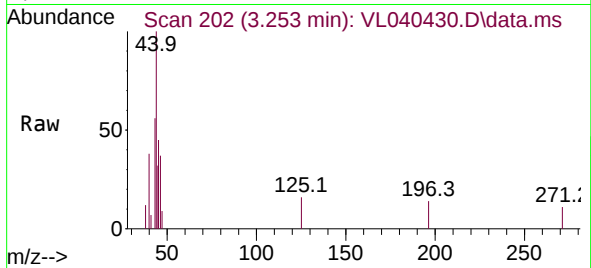
#13
Ethanol
Concen: 0.582 ppbv m
RT: 3.253 min Scan# 20
Delta R.T. 0.023 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 45 Resp: 263
Ion Ratio Lower Upper
45 100
46 32.7 15.3 61.3

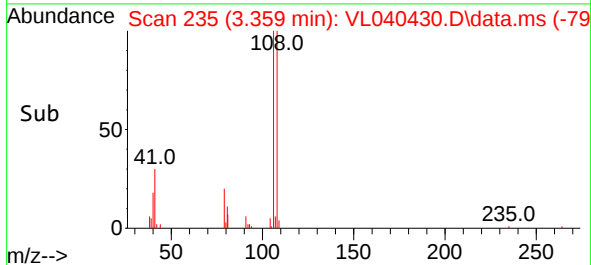
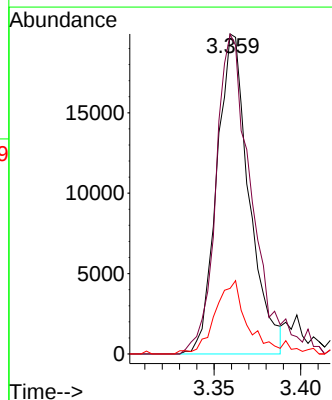
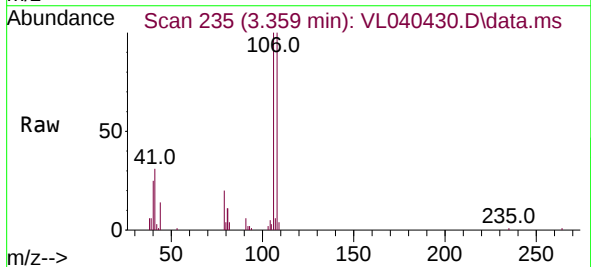
Manual Integrations
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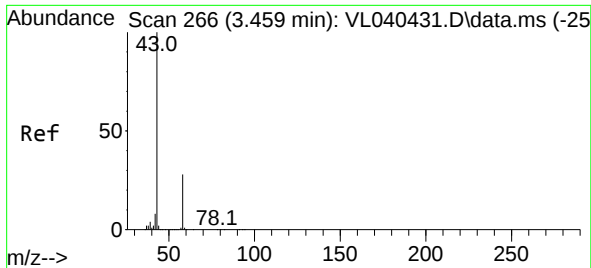
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#14
Bromoethene
Concen: 0.472 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.003 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Tgt Ion:108 Resp: 25860
Ion Ratio Lower Upper
108 100
106 113.8 88.3 132.5
79 24.3 16.1 24.1#





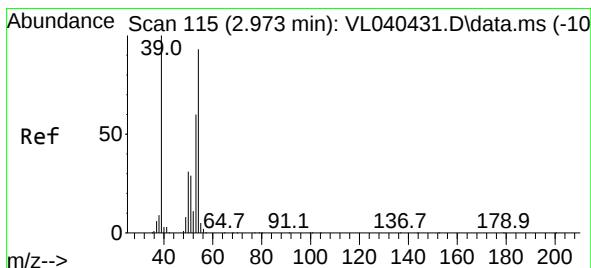
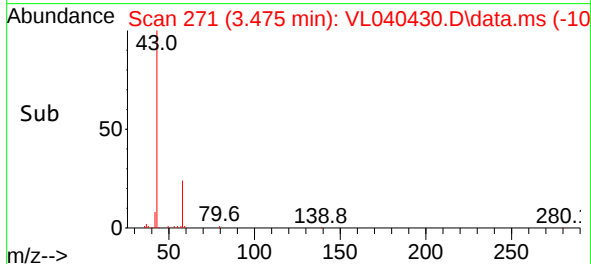
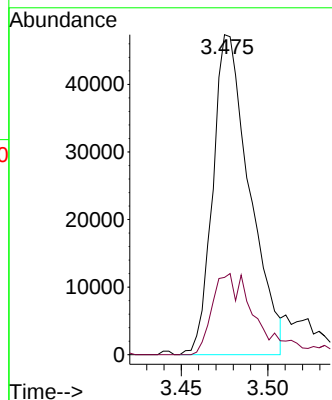
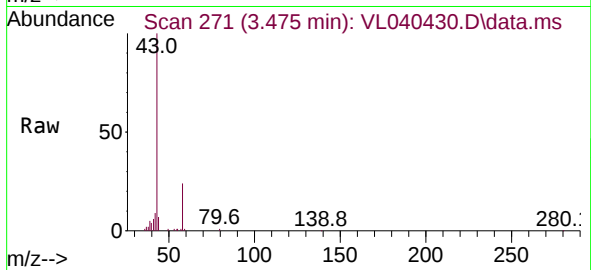
#15
Acetone
Concen: 0.471 ppbv
RT: 3.475 min Scan# 21
Delta R.T. 0.020 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 69984
Ion Ratio Lower Upper
43 100
58 32.1 22.2 33.2

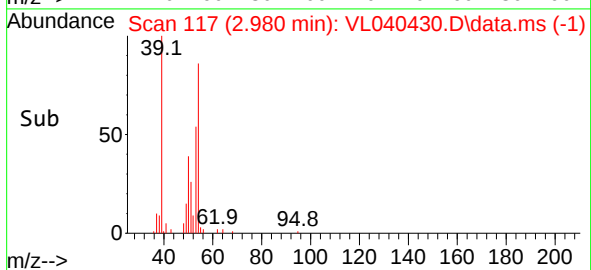
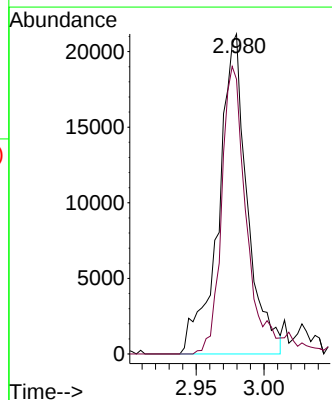
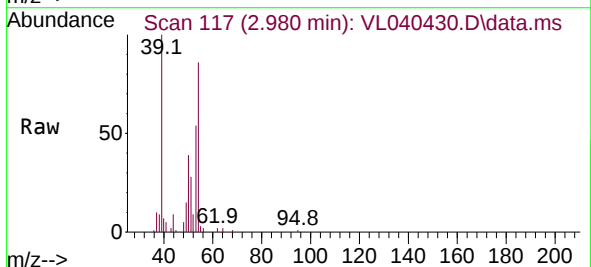
Manual Integrations
APPROVED

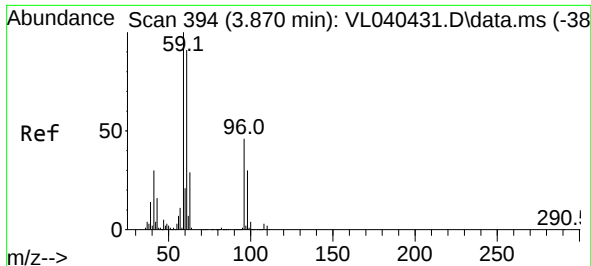
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#16
1,3-Butadiene
Concen: 0.509 ppbv
RT: 2.980 min Scan# 117
Delta R.T. 0.007 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Tgt Ion: 39 Resp: 31292
Ion Ratio Lower Upper
39 100
54 82.9 68.8 103.2





#17

tert-Butyl alcohol

Concen: 0.465 ppbv

RT: 3.890 min Scan# 400

Delta R.T. 0.023 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 59 Resp: 6335

Ion Ratio Lower Upper

59 100

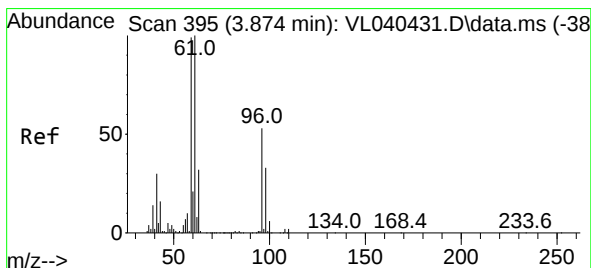
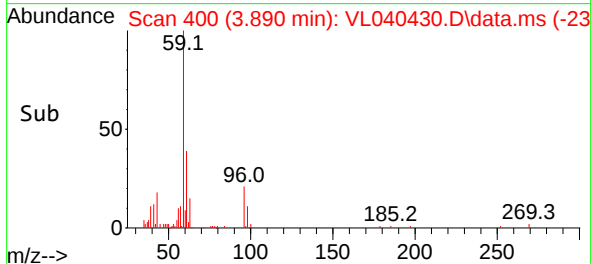
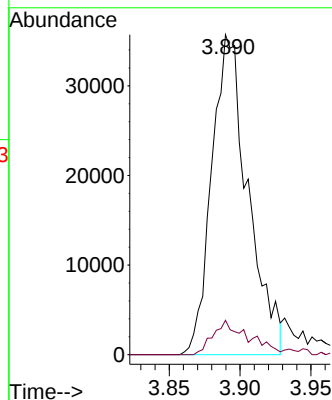
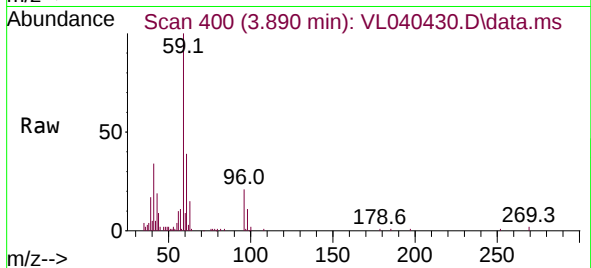
57 11.7 8.5 12.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#18

1,1-Dichloroethene

Concen: 0.501 ppbv

RT: 3.874 min Scan# 395

Delta R.T. 0.004 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

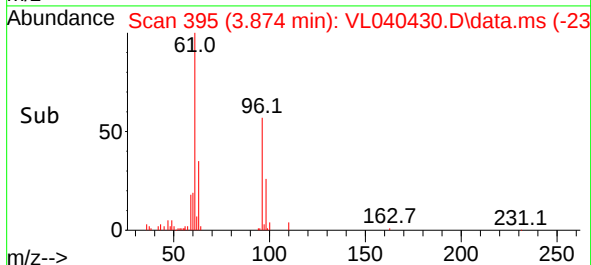
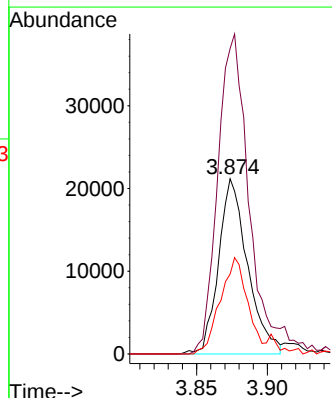
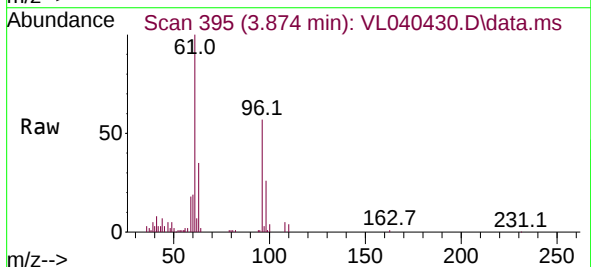
Tgt Ion: 96 Resp: 30276

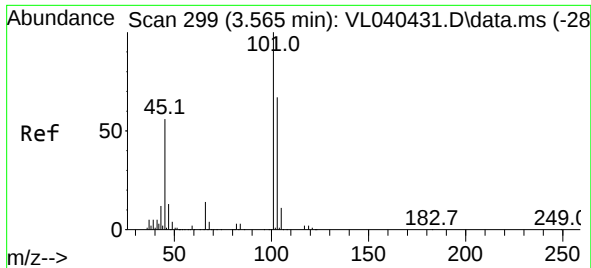
Ion Ratio Lower Upper

96 100

61 174.2 148.3 222.5

98 45.5 49.8 74.8#





#19

Isopropyl Alcohol

Concen: 0.498 ppbv

RT: 3.591 min Scan# 307

Delta R.T. 0.026 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Instrument :

MSVOA_L

ClientSampleId :

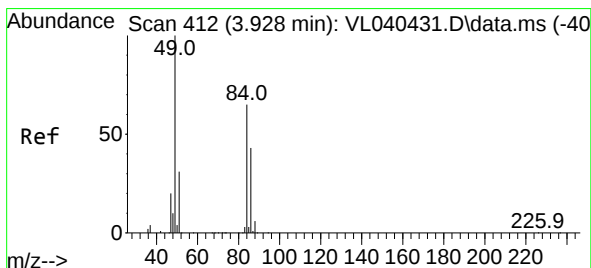
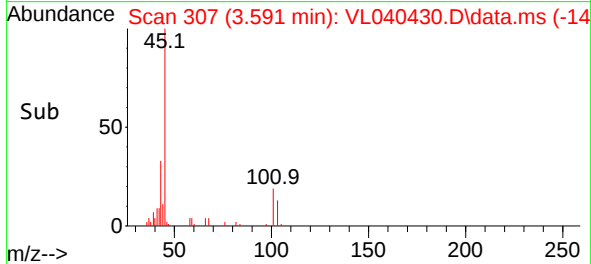
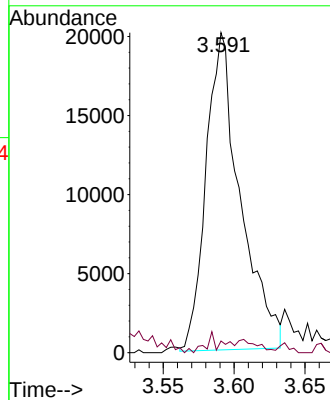
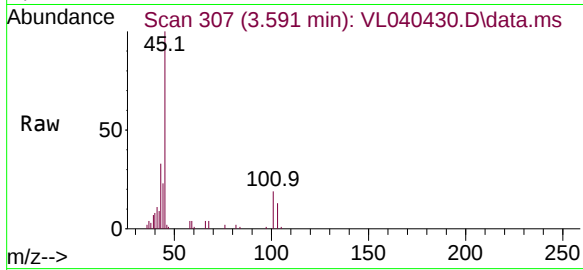
VSTDIC0.5

Tgt Ion: 45 Resp: 3374
 Ion Ratio Lower Upper
 45 100
 58 6.3 2.6 4.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#20

Methylene Chloride

Concen: 0.608 ppbv

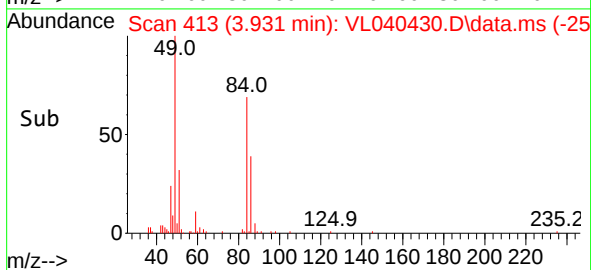
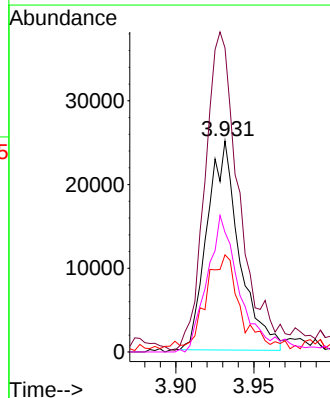
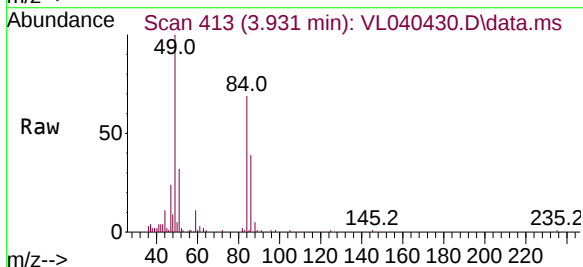
RT: 3.931 min Scan# 413

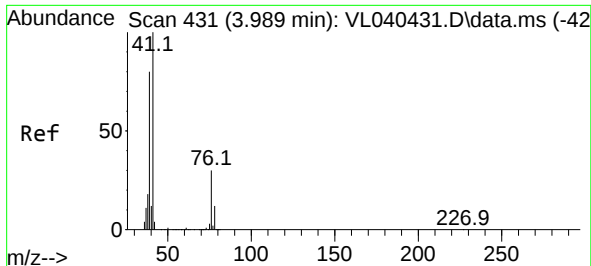
Delta R.T. 0.006 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Tgt Ion: 84 Resp: 36071
 Ion Ratio Lower Upper
 84 100
 49 142.6 120.1 180.1
 51 43.4 36.3 54.5
 86 56.0 50.8 76.2





#21

Allyl Chloride

Concen: 0.462 ppbv

RT: 3.993 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Instrument :

MSVOA_L

ClientSampleId :

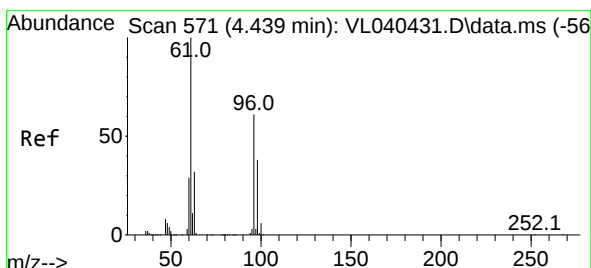
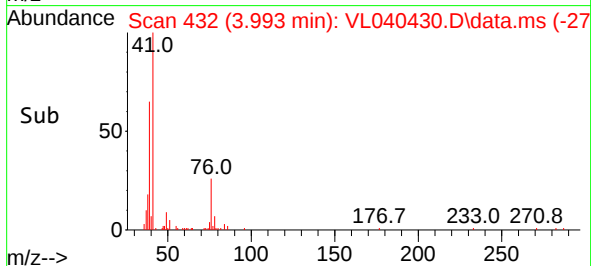
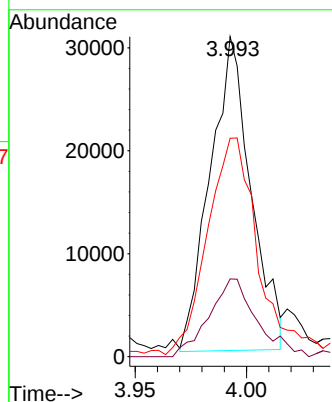
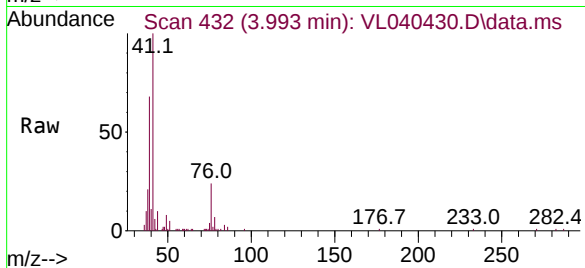
VSTDIC0.5

Tgt Ion: 41	Resp: 3899
Ion Ratio	Lower Upper
41	100
76	30.4 25.5 38.3
39	91.0 64.0 96.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#22

trans-1,2-Dichloroethene

Concen: 0.488 ppbv

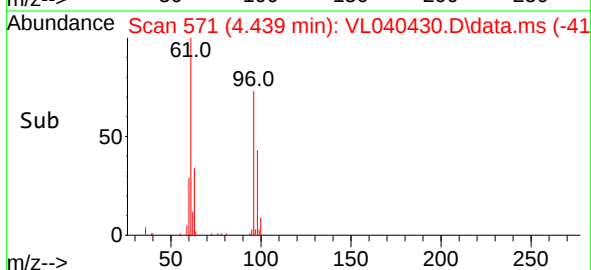
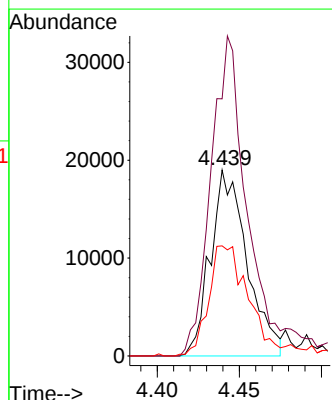
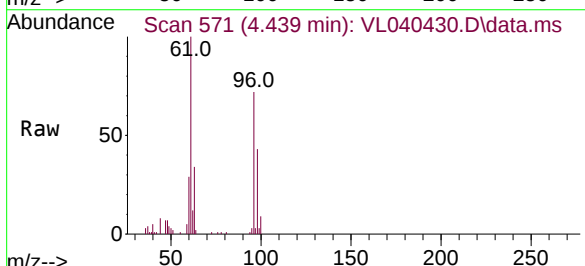
RT: 4.439 min Scan# 571

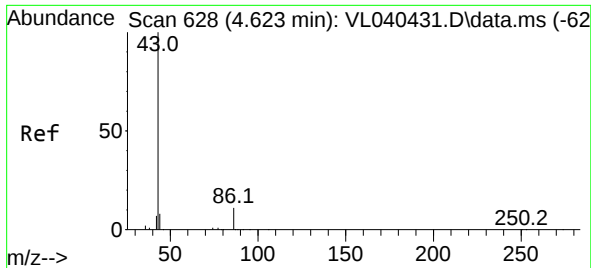
Delta R.T. 0.000 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Tgt Ion: 96	Resp: 29456
Ion Ratio	Lower Upper
96	100
61	138.3 129.4 194.2
98	58.3 51.0 76.4





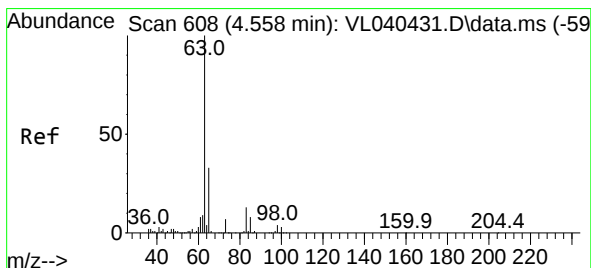
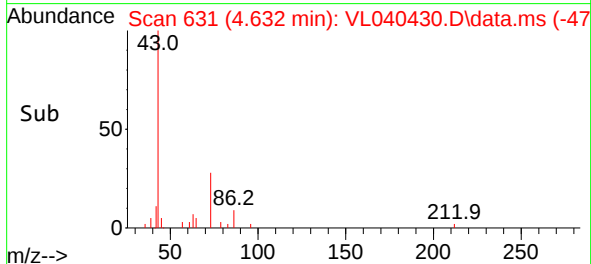
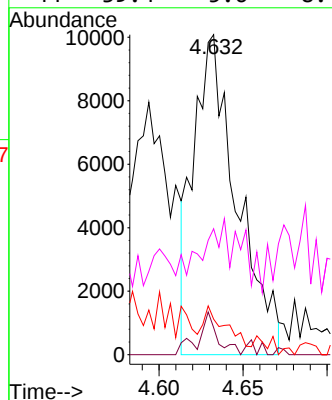
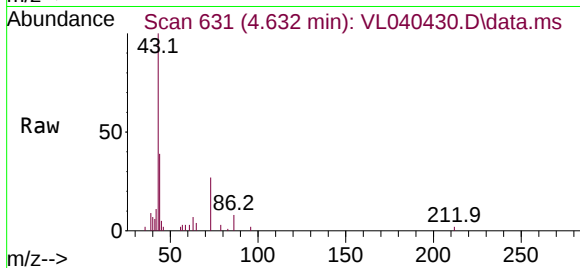
#23
 Vinyl Acetate
 Concen: 0.476 ppbv m
 RT: 4.632 min Scan# 61
 Delta R.T. 0.013 min
 Lab File: VL040430.D
 Acq: 16 May 2023 8:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43	Resp: 1798
Ion Ratio	Lower Upper
43 100	
86 8.4	6.0 9.0
42 11.1	6.4 9.6
44 39.4	5.6 8.4

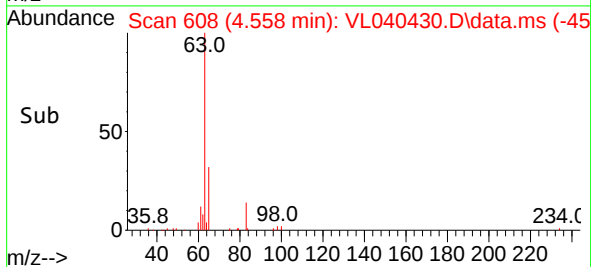
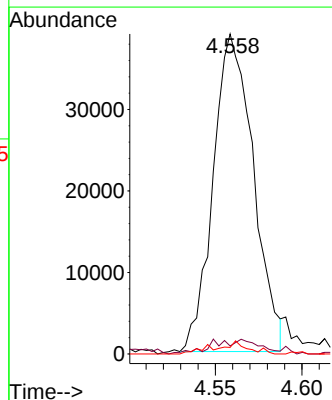
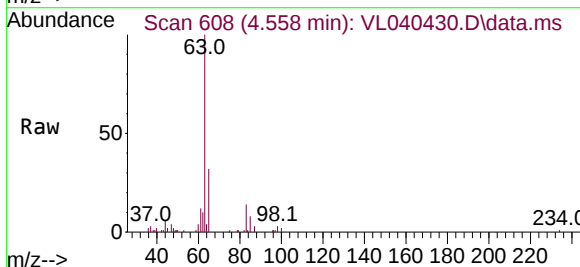
Manual Integrations
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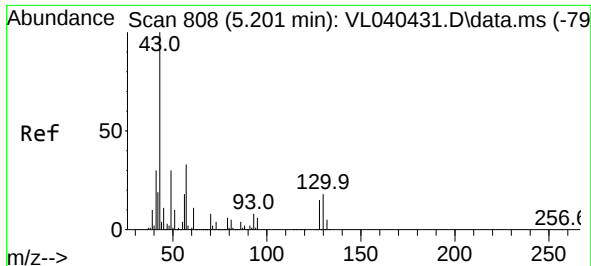
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#24
 1,1-Dichloroethane
 Concen: 0.500 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: VL040430.D
 Acq: 16 May 2023 8:55

Tgt Ion: 63	Resp: 62957
Ion Ratio	Lower Upper
63 100	
98 2.0	2.1 6.2
100 2.1	1.2 3.6





#25

Ethyl Acetate

Concen: 0.461 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.010 min

Lab File: VL040430.D

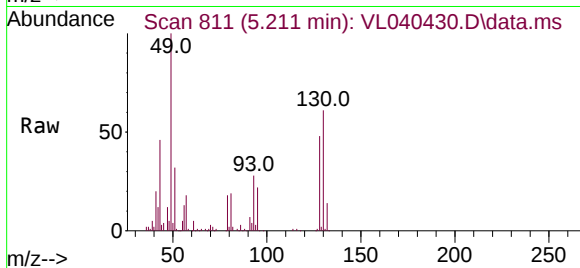
Acq: 16 May 2023 8:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5



Tgt Ion: 43 Resp: 115160

Ion Ratio Lower Upper

43 100

45 12.2 8.5 12.7

61 11.2 8.5 12.7

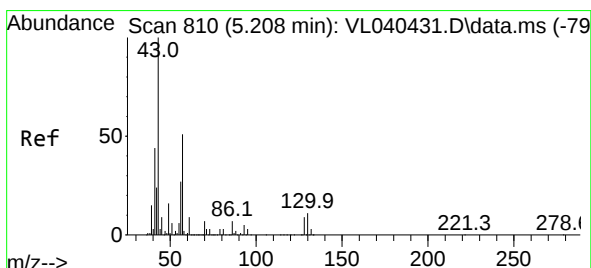
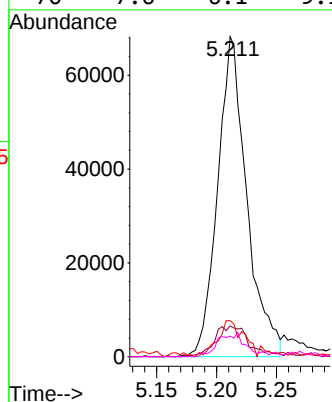
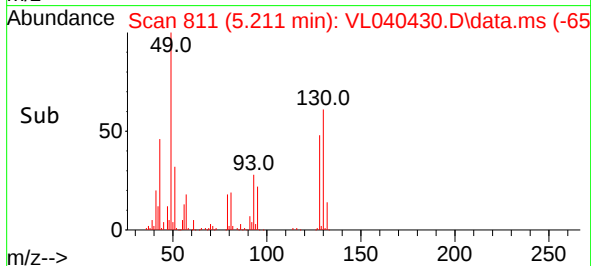
70 7.6 6.1 9.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#26

Hexane

Concen: 0.459 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.000 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Tgt Ion: 57 Resp: 48375

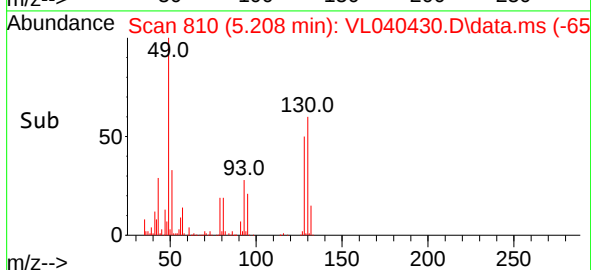
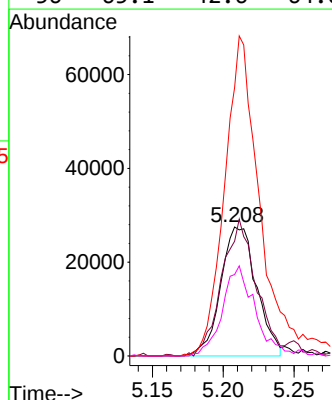
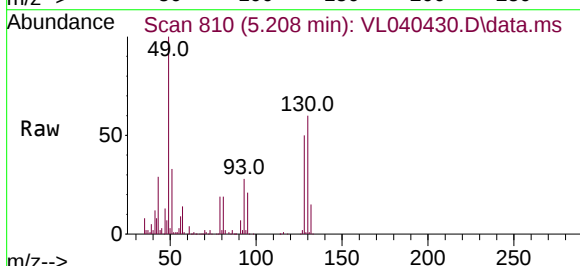
Ion Ratio Lower Upper

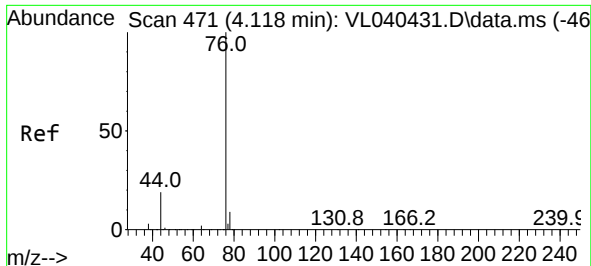
57 100

41 110.2 74.8 112.2

43 256.8 192.7 289.1

56 65.1 42.6 64.0#





#27

Carbon Disulfide

Concen: 0.453 ppbv

RT: 4.118 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040430.D

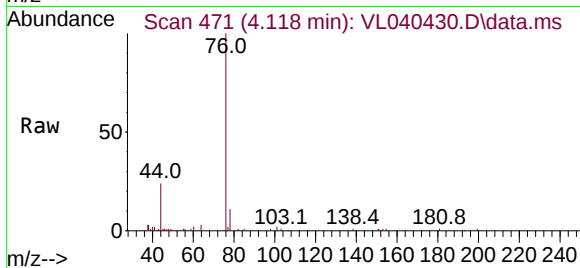
Acq: 16 May 2023 8:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



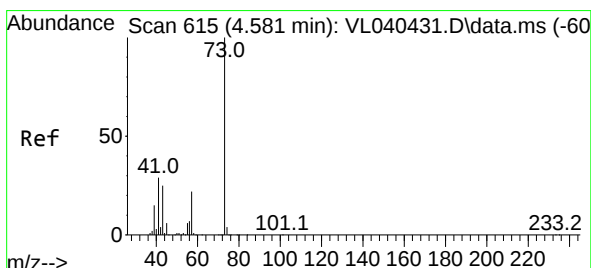
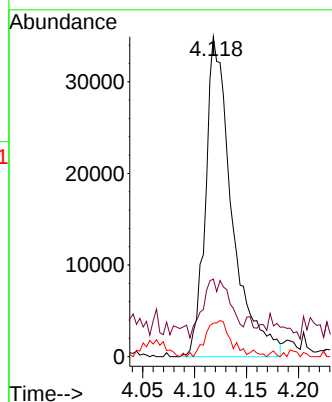
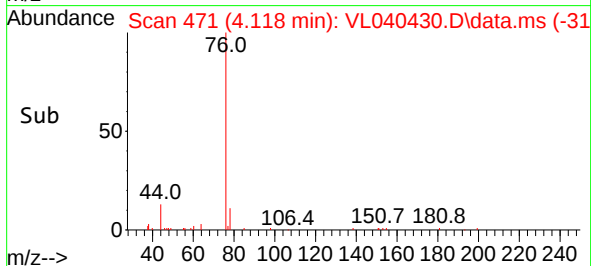
Tgt Ion: 76 Resp: 6178

Ion	Ratio	Lower	Upper
76	100		
44	20.4	14.7	22.1
78	11.0	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#28

Methyl tert-Butyl Ether

Concen: 0.472 ppbv m

RT: 4.597 min Scan# 620

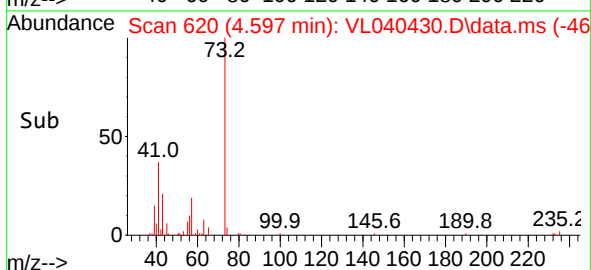
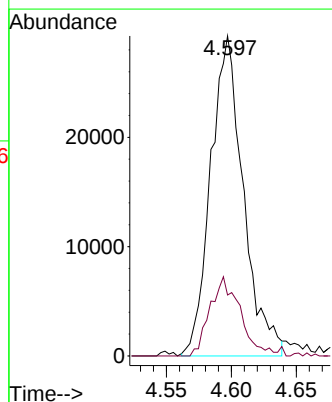
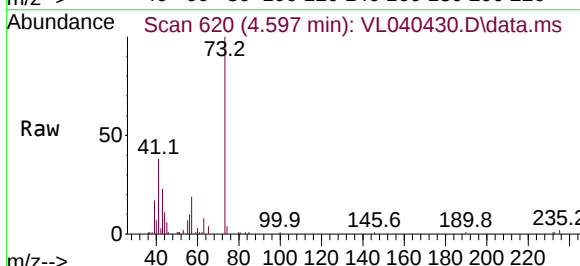
Delta R.T. 0.016 min

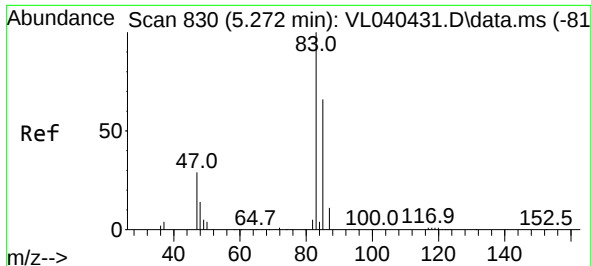
Lab File: VL040430.D

Acq: 16 May 2023 8:55

Tgt Ion: 73 Resp: 51348

Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.6	27.8





#29

Chloroform

Concen: 0.504 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 83 Resp: 94564

Ion Ratio Lower Upper

83 100

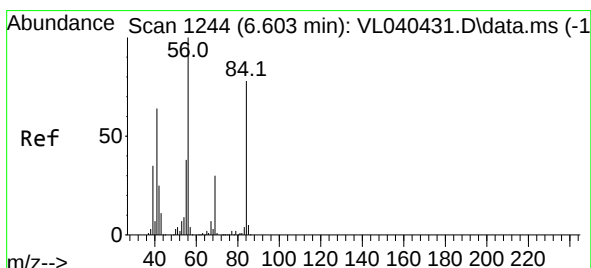
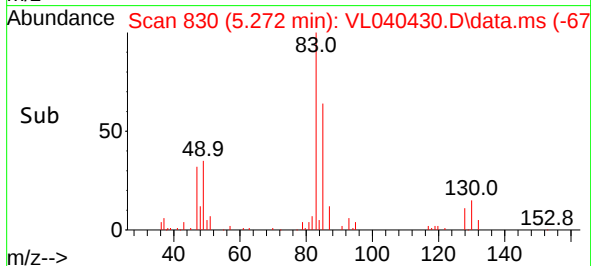
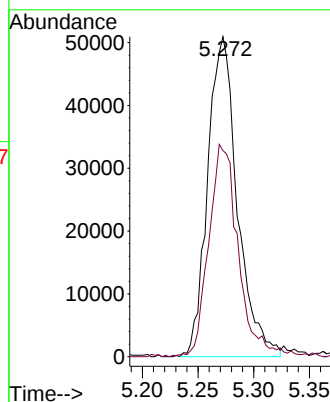
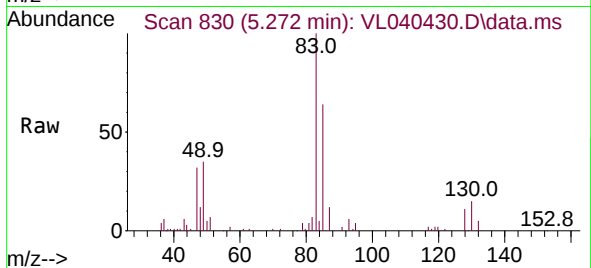
85 63.8 51.0 76.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#30

Cyclohexane

Concen: 0.375 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

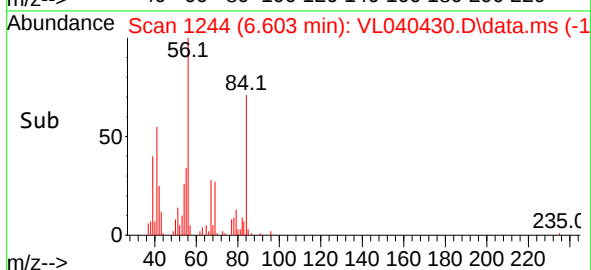
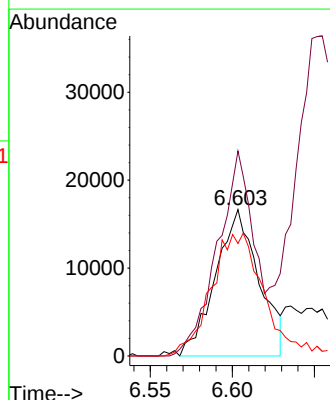
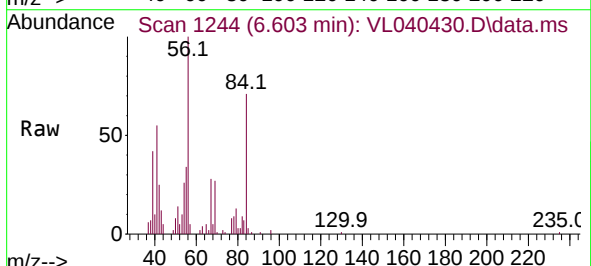
Tgt Ion: 84 Resp: 30573

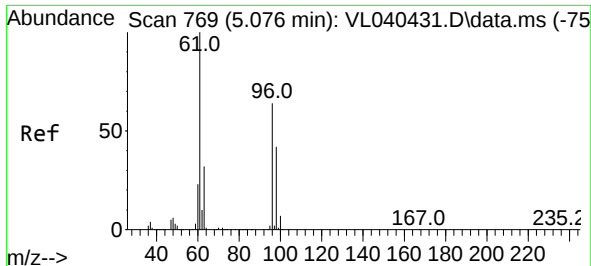
Ion Ratio Lower Upper

84 100

56 116.1 107.0 160.6

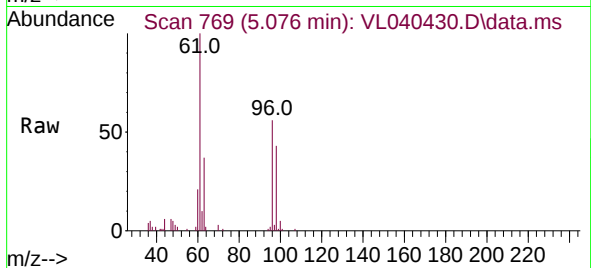
41 103.5 66.7 100.1#





#31
 cis-1,2-Dichloroethene
 Concen: 0.461 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. 0.000 min
 Lab File: VL040430.D
 Acq: 16 May 2023 8:55

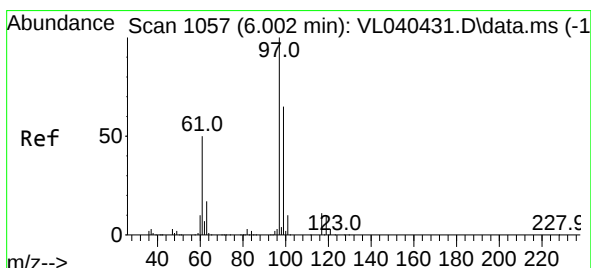
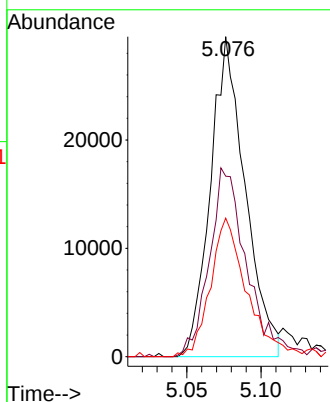
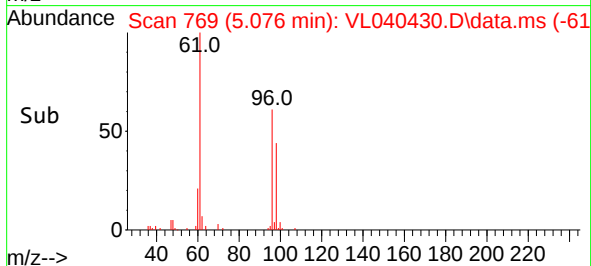
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



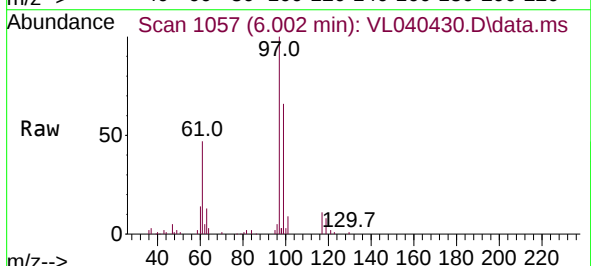
Tgt Ion: 61 Resp: 48094
 Ion Ratio Lower Upper
 61 100
 96 55.9 53.0 79.4
 98 42.1 33.8 50.8

Manual Integrations
 APPROVED

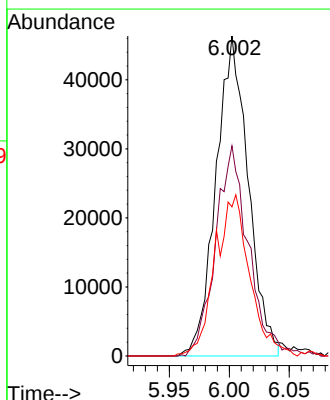
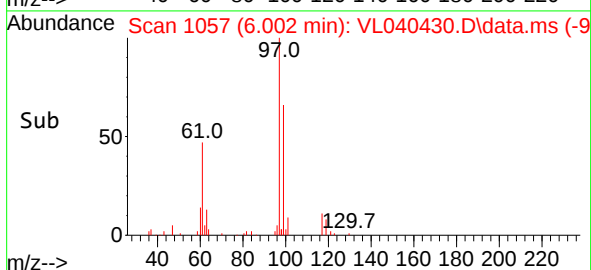
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

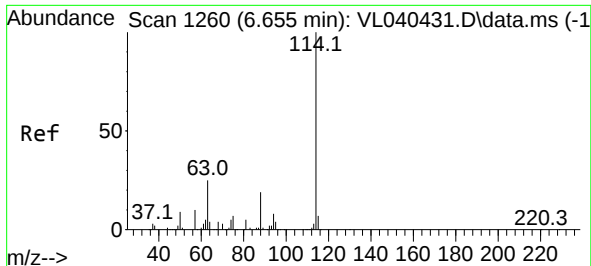


#32
 1,1,1-Trichloroethane
 Concen: 0.476 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: VL040430.D
 Acq: 16 May 2023 8:55



Tgt Ion: 97 Resp: 86889
 Ion Ratio Lower Upper
 97 100
 99 67.4 51.8 77.8
 61 54.6 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:114 Resp: 2663410

Ion Ratio Lower Upper

114 100

63 26.2 21.4 32.0

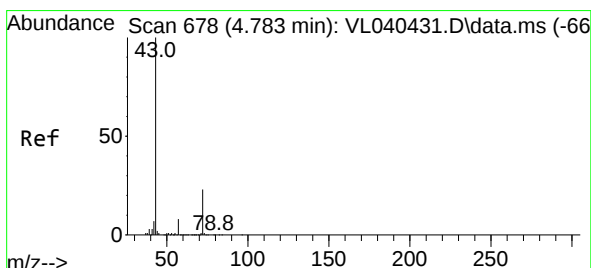
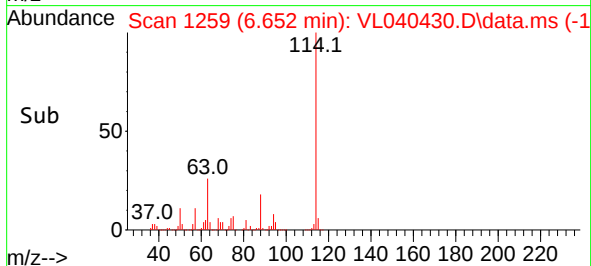
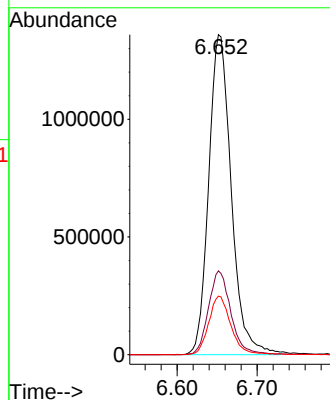
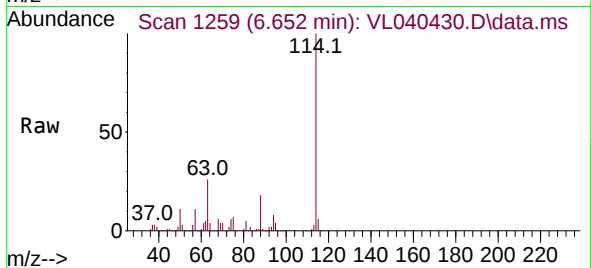
88 18.1 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#34

2-Butanone

Concen: 0.462 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.016 min

Lab File: VL040430.D

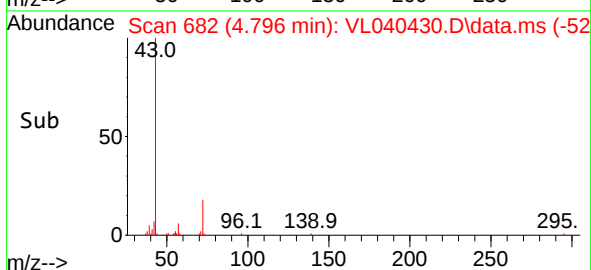
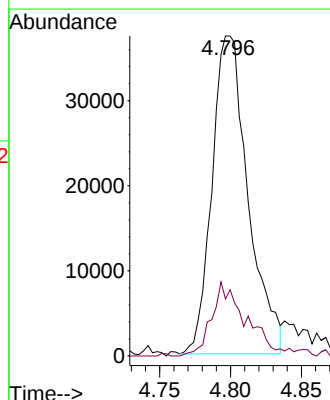
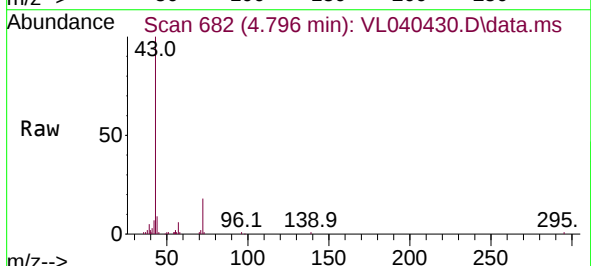
Acq: 16 May 2023 8:55

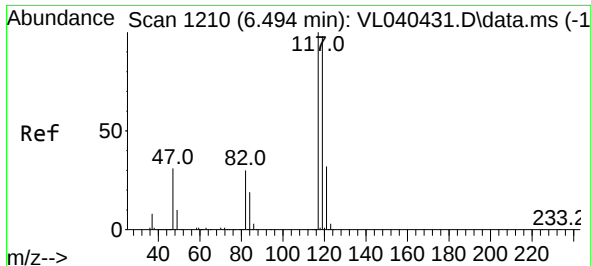
Tgt Ion: 43 Resp: 66344

Ion Ratio Lower Upper

43 100

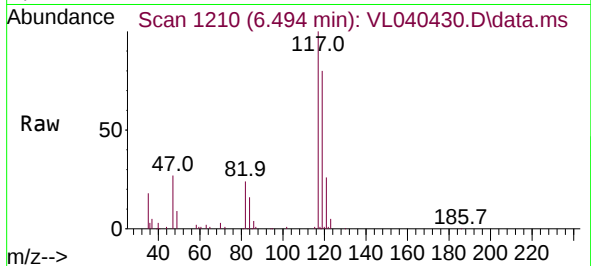
72 23.2 18.4 27.6





#35
Carbon Tetrachloride
Concen: 0.461 ppbv
RT: 6.494 min Scan# 1210
Delta R.T. 0.000 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

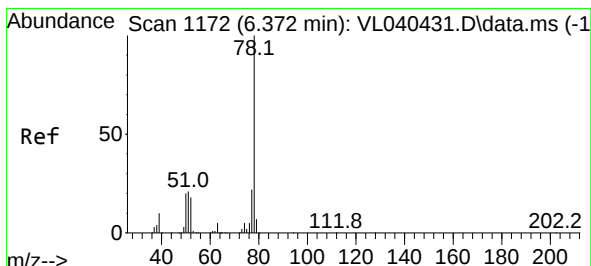
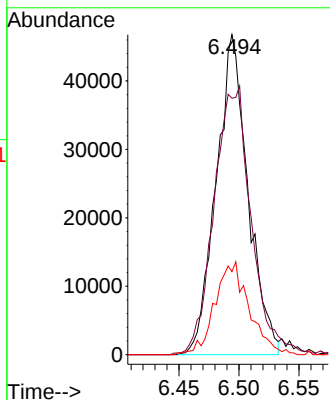
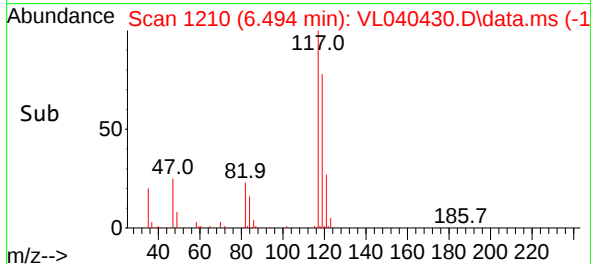
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



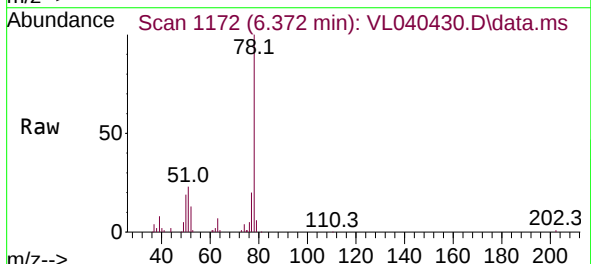
Tgt Ion: 117 Resp: 86419
Ion Ratio Lower Upper
117 100
119 79.7 76.6 114.8
121 25.4 25.3 37.9

Manual Integrations
APPROVED

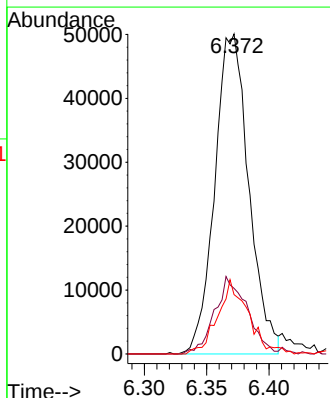
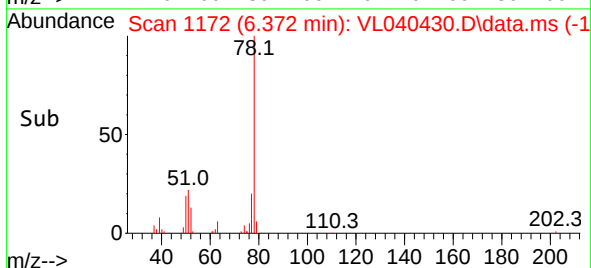
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

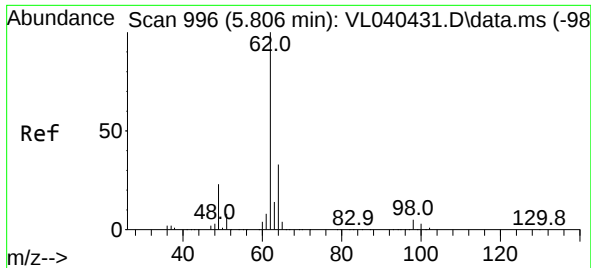


#36
Benzene
Concen: 0.438 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55



Tgt Ion: 78 Resp: 95153
Ion Ratio Lower Upper
78 100
77 20.5 17.8 26.8
50 18.5 15.6 23.4





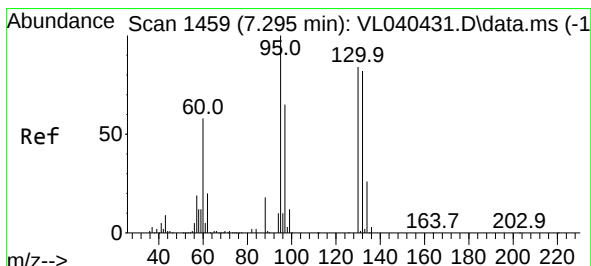
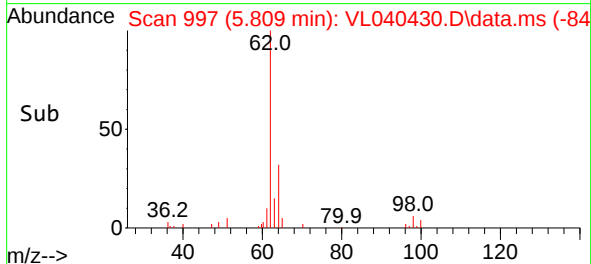
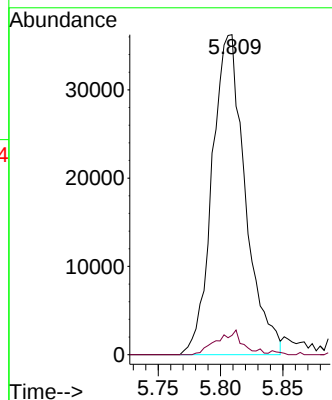
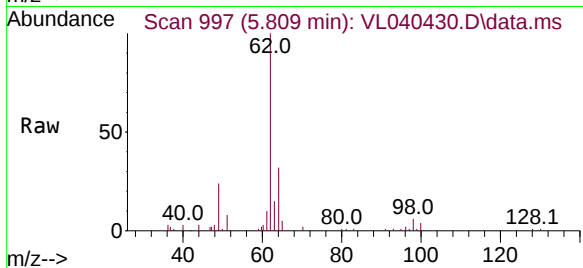
#37
1,2-Dichloroethane
Concen: 0.469 ppbv
RT: 5.809 min Scan# 996
Delta R.T. 0.003 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 62 Resp: 6696
Ion Ratio Lower Upper
62 100
98 6.4 4.4 6.6

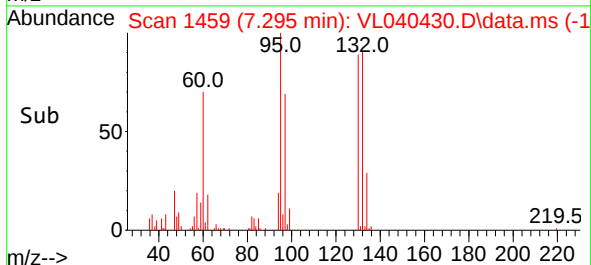
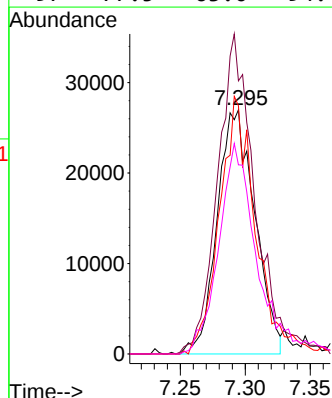
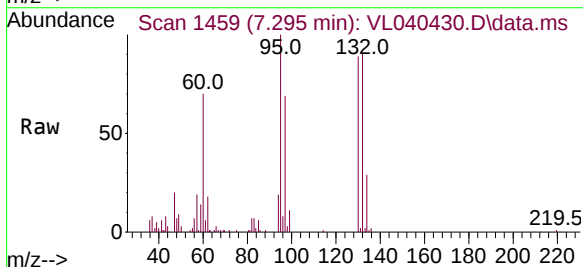
Manual Integrations
APPROVED

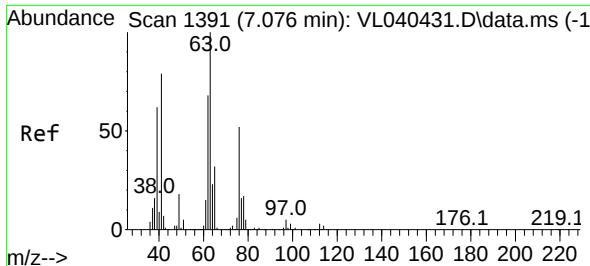
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#38
Trichloroethene
Concen: 0.440 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Tgt Ion:130 Resp: 54443
Ion Ratio Lower Upper
130 100
95 111.1 97.4 146.0
132 101.6 77.5 116.3
97 77.5 63.0 94.4





#39

1,2-Dichloropropane

Concen: 0.480 ppbv m

RT: 7.076 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 63 Resp: 41040

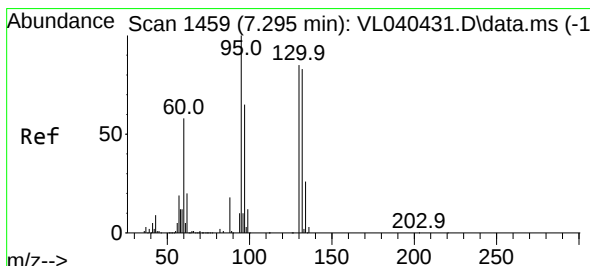
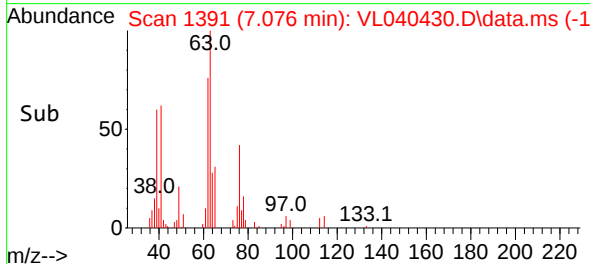
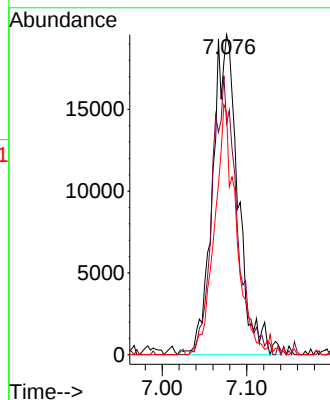
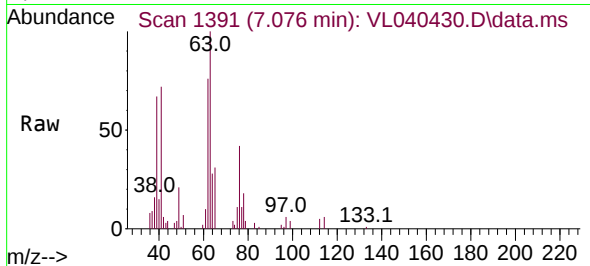
Ion	Ratio	Lower	Upper
63	100		
41	72.3	59.6	89.4
62	75.8	53.9	80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#40

1,4-Dioxane

Concen: 0.384 ppbv m

RT: 7.327 min Scan# 1469

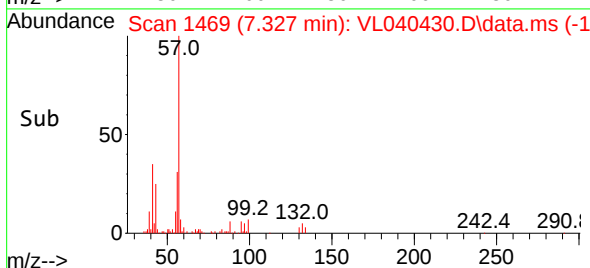
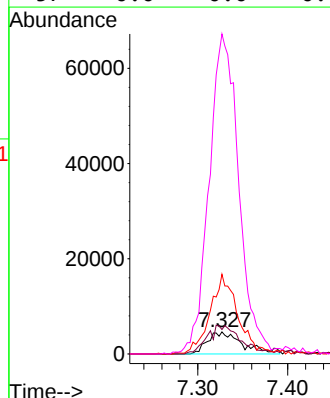
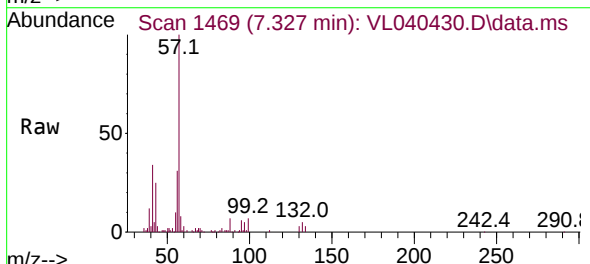
Delta R.T. 0.036 min

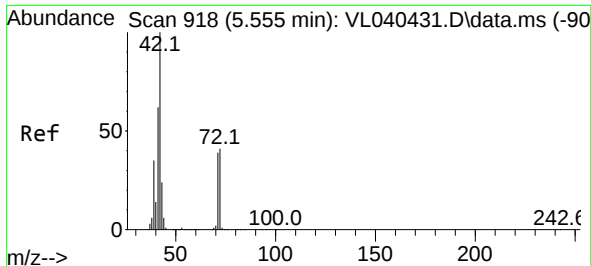
Lab File: VL040430.D

Acq: 16 May 2023 8:55

Tgt Ion: 88 Resp: 12582

Ion	Ratio	Lower	Upper
88	100		
58	124.0	100.8	151.2
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.416 ppbv m

RT: 5.581 min Scan# 918

Delta R.T. 0.026 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Instrument :

MSVOA_L

ClientSampleId :

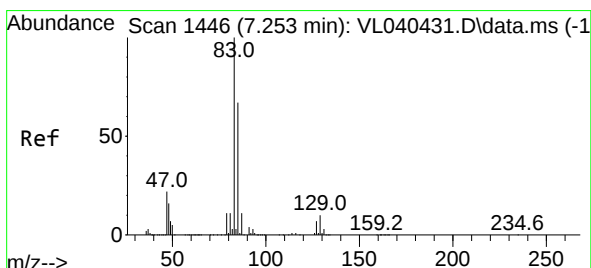
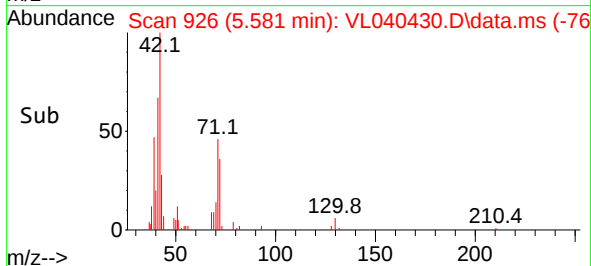
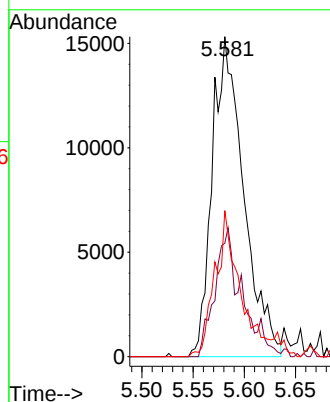
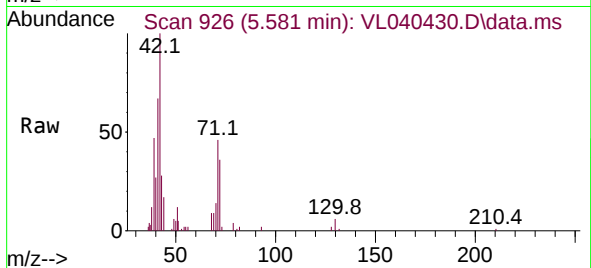
VSTDIC0.5

Tgt Ion: 42	Resp: 3268
Ion Ratio	Lower Upper
42 100	
72 0.0	33.7 50.5
71 0.0	32.2 48.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#42

Bromodichloromethane

Concen: 0.460 ppbv

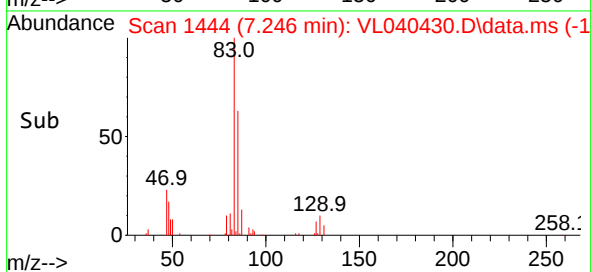
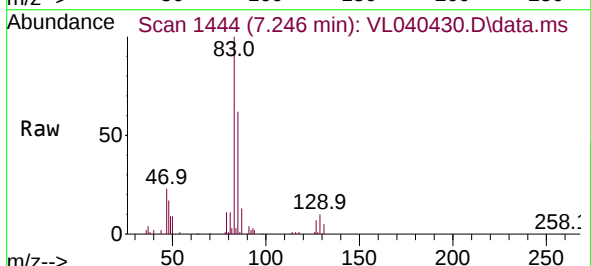
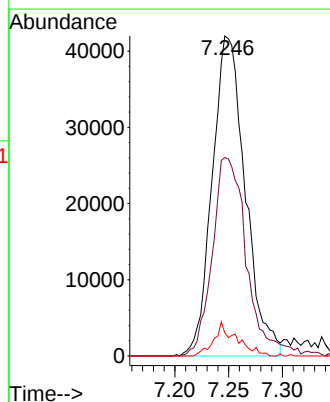
RT: 7.246 min Scan# 1444

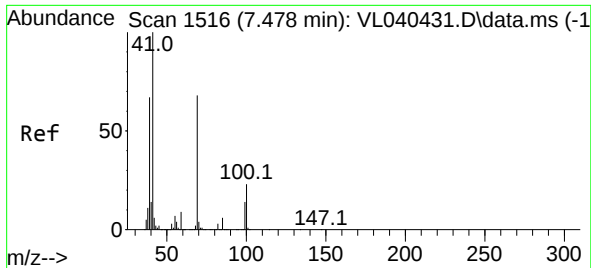
Delta R.T. -0.007 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Tgt Ion: 83	Resp: 89590
Ion Ratio	Lower Upper
83 100	
85 62.0	50.9 76.3
127 7.2	6.4 9.6





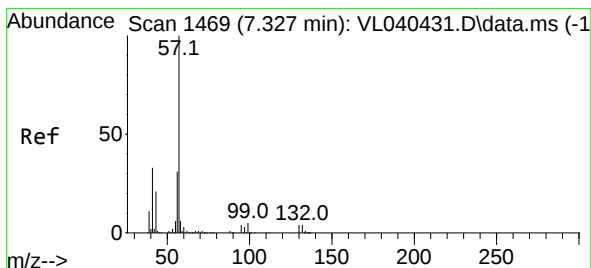
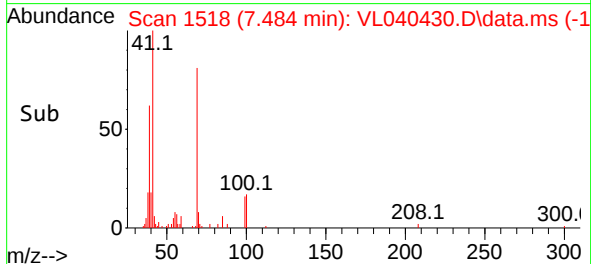
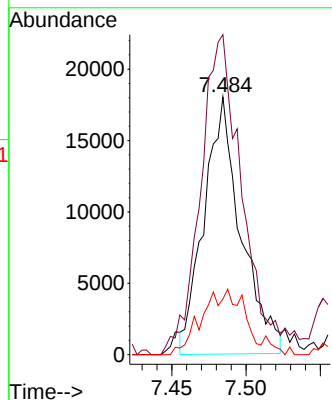
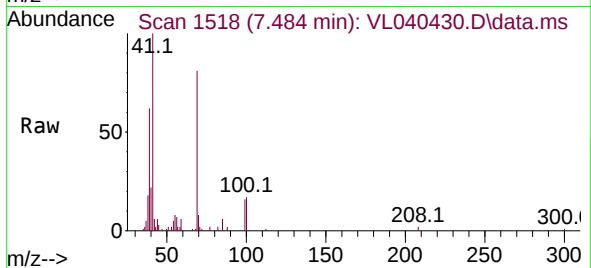
#43
Methyl Methacrylate
Concen: 0.386 ppbv
RT: 7.484 min Scan# 1516
Delta R.T. 0.009 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 31154
Ion Ratio Lower Upper
69 100
41 142.3 114.3 171.5
100 31.2 24.5 36.7

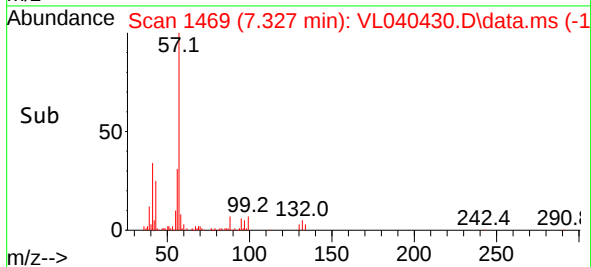
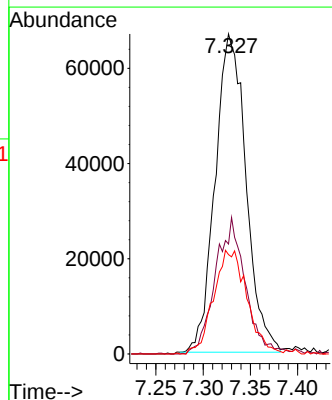
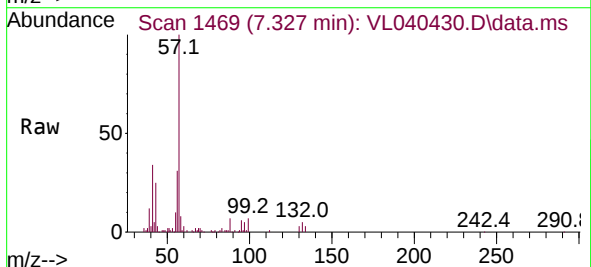
Manual Integrations
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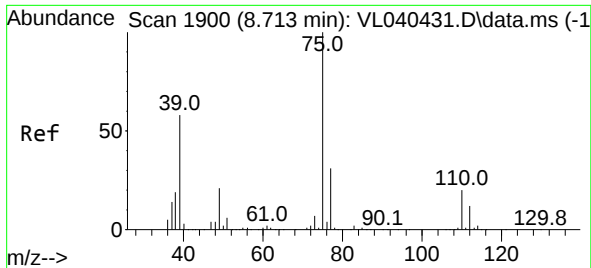
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#44
2,2,4-Trimethylpentane
Concen: 0.418 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. -0.003 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Tgt Ion: 57 Resp: 151707
Ion Ratio Lower Upper
57 100
41 42.0 26.9 40.3#
56 35.8 25.1 37.7





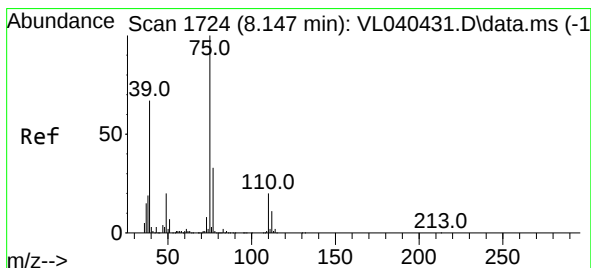
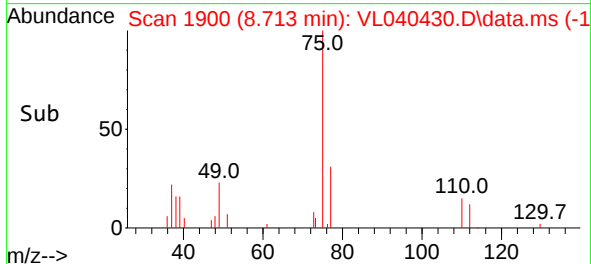
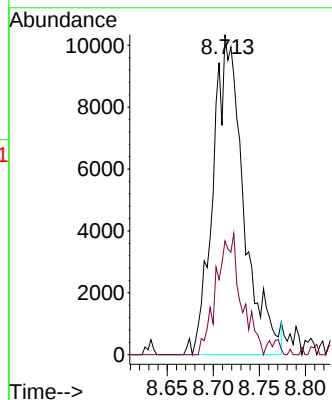
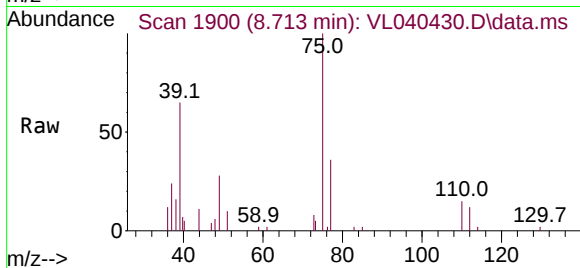
#45
 t-1,3-Dichloropropene
 Concen: 0.332 ppbv m
 RT: 8.713 min Scan# 1900
 Delta R.T. -0.003 min
 Lab File: VL040430.D
 Acq: 16 May 2023 8:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 75 Resp: 23900
 Ion Ratio Lower Upper
 75 100
 77 35.5 26.8 40.2

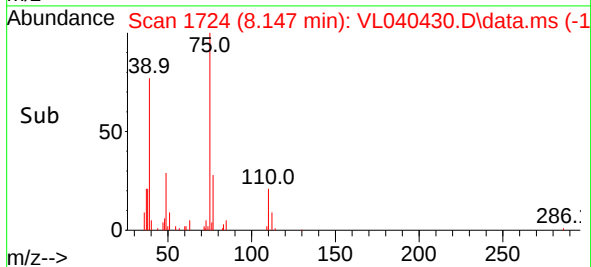
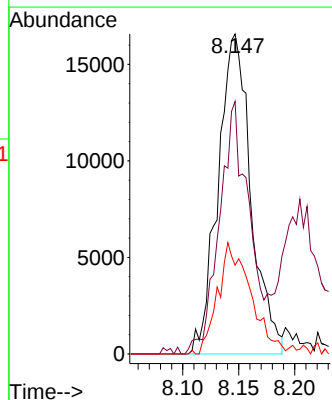
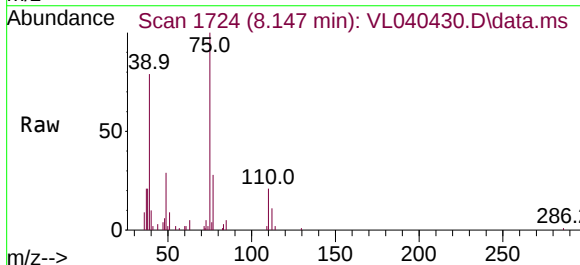
Manual Integrations
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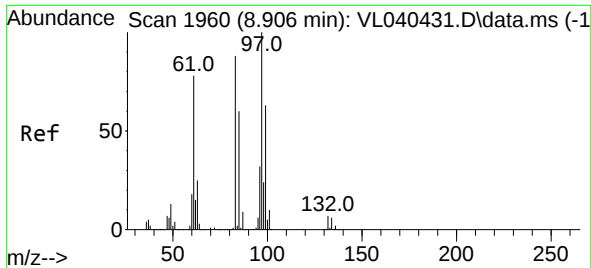
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#46
 cis-1,3-Dichloropropene
 Concen: 0.338 ppbv m
 RT: 8.147 min Scan# 1724
 Delta R.T. -0.000 min
 Lab File: VL040430.D
 Acq: 16 May 2023 8:55

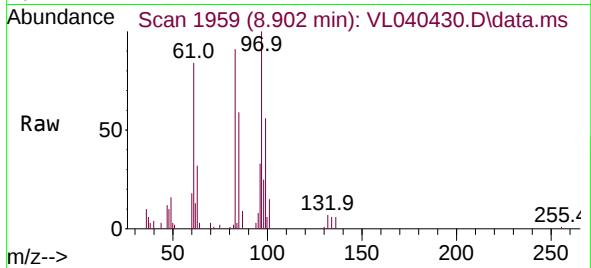
Tgt Ion: 75 Resp: 33954
 Ion Ratio Lower Upper
 75 100
 39 78.9 53.4 80.2
 77 27.7 24.7 37.1





#47
1,1,2-Trichloroethane
Concen: 0.457 ppbv m
RT: 8.902 min Scan# 1960
Delta R.T. -0.003 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

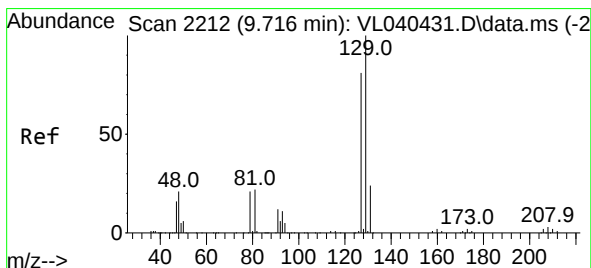
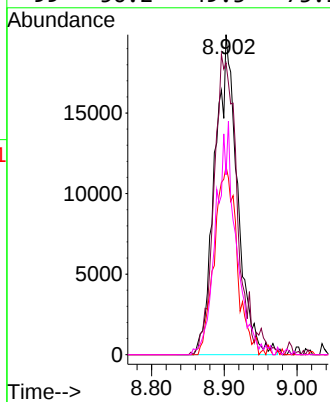
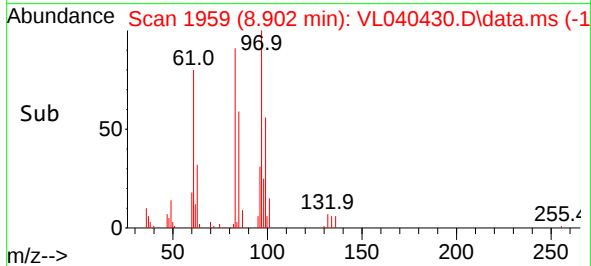
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 97 Resp: 4288
Ion Ratio Lower Upper
97 100
83 91.1 73.3 109.9
85 58.9 46.9 70.3
99 56.2 49.3 73.9

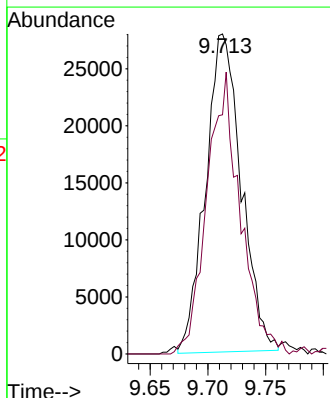
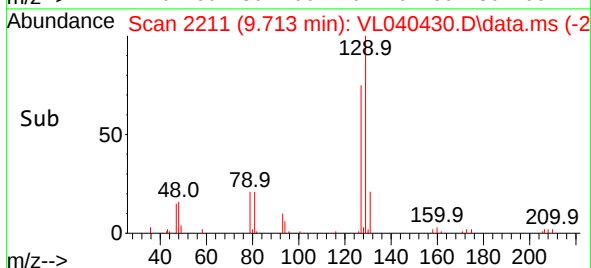
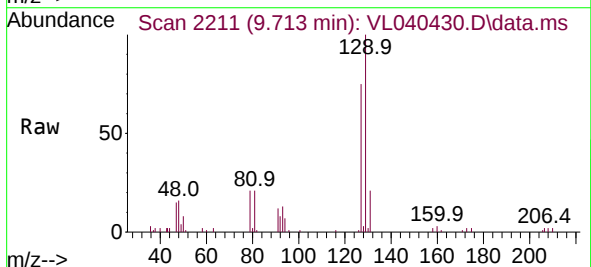
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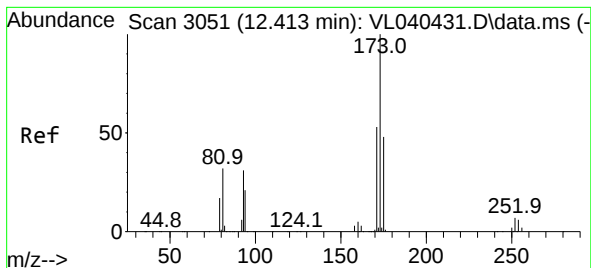
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#48
Dibromochloromethane
Concen: 0.398 ppbv
RT: 9.713 min Scan# 2211
Delta R.T. -0.003 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Tgt Ion:129 Resp: 60059
Ion Ratio Lower Upper
129 100
127 82.5 39.2 117.6





#49

Bromoform

Concen: 0.396 ppbv

RT: 12.410 min Scan# 3051

Delta R.T. -0.007 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Instrument :

MSVOA_L

ClientSampleId :

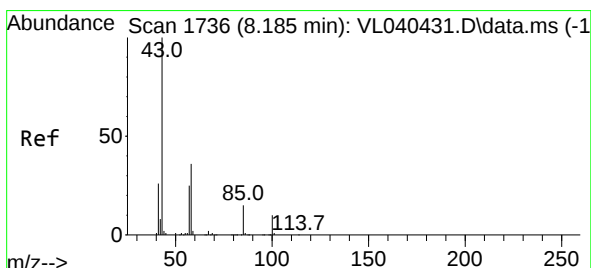
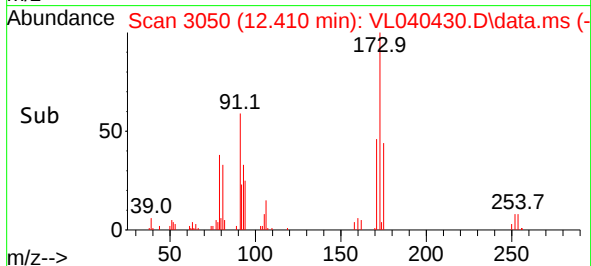
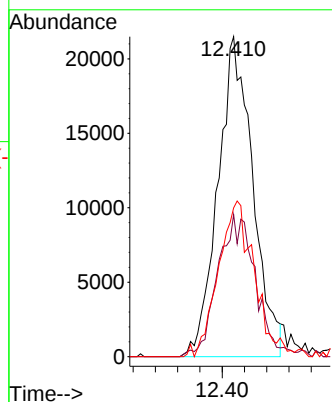
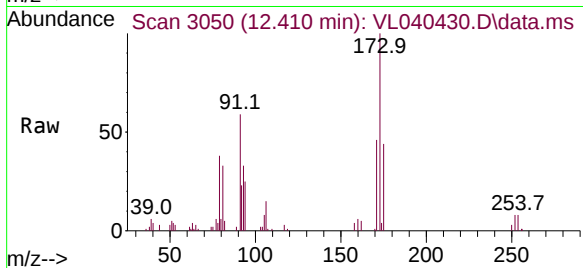
VSTDICC0.5

Tgt Ion:173	Resp: 4664
Ion Ratio	Lower Upper
173 100	
175 48.5	39.8 59.8
171 51.2	42.2 63.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#50

4-Methyl-2-Pentanone

Concen: 0.395 ppbv

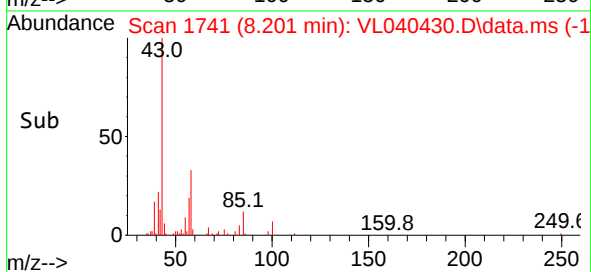
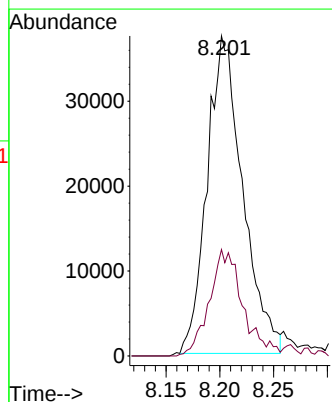
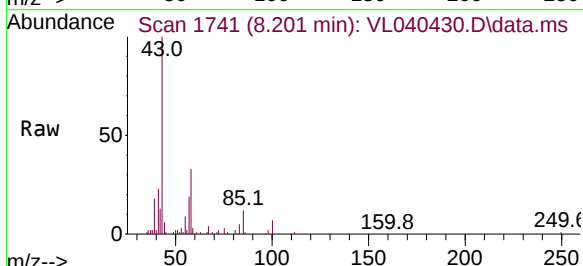
RT: 8.201 min Scan# 1741

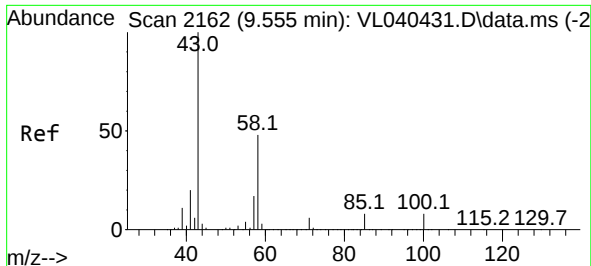
Delta R.T. 0.019 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Tgt Ion: 43	Resp: 86067
Ion Ratio	Lower Upper
43 100	
58 32.9	28.6 43.0





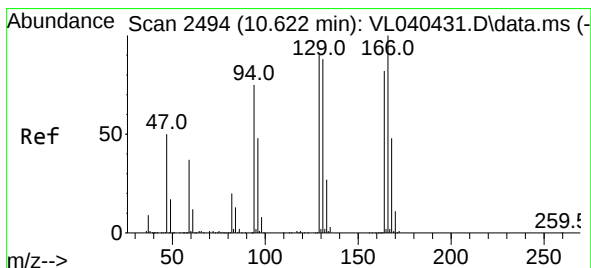
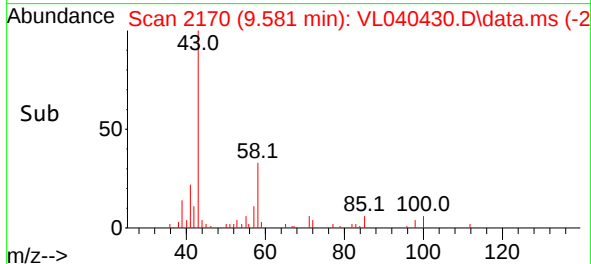
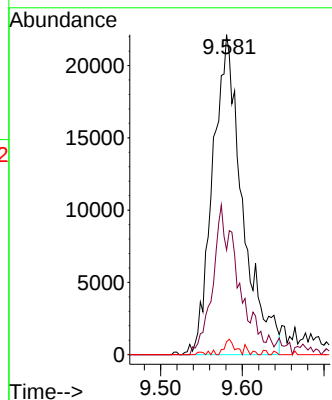
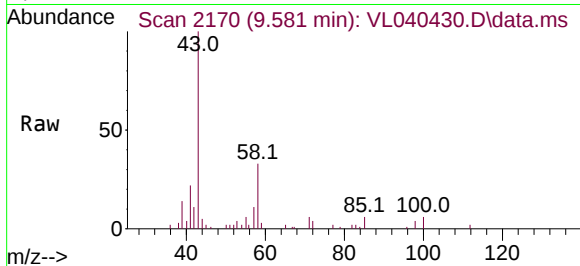
#51
2-Hexanone
Concen: 0.348 ppbv m
RT: 9.581 min Scan# 2162
Delta R.T. 0.023 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 5604
Ion Ratio Lower Upper
43 100
58 43.0 38.3 57.5
98 2.7 0.4 0.6

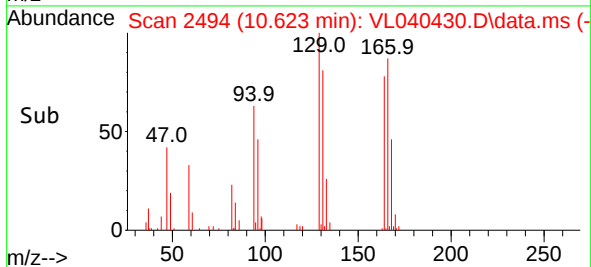
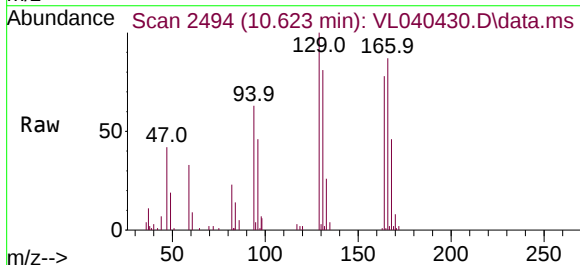
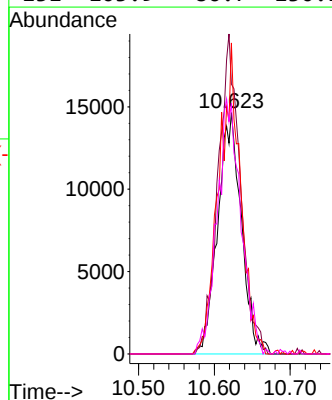
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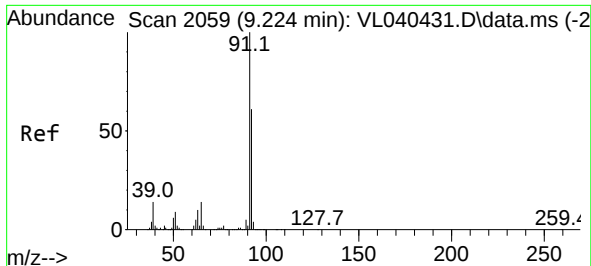
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#52
Tetrachloroethene
Concen: 0.467 ppbv m
RT: 10.623 min Scan# 2494
Delta R.T. 0.001 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Tgt Ion:164 Resp: 31709
Ion Ratio Lower Upper
164 100
166 111.8 105.2 157.8
129 128.9 90.3 135.5
131 103.9 86.7 130.1





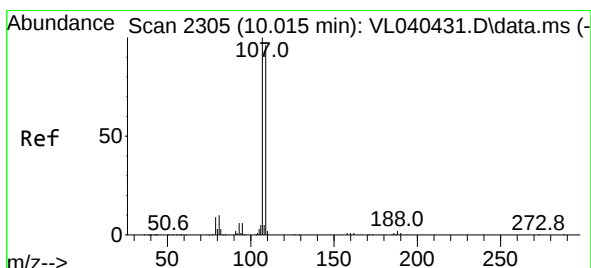
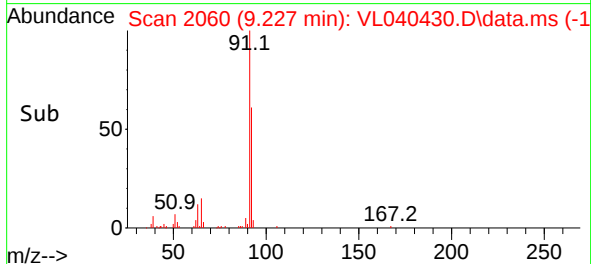
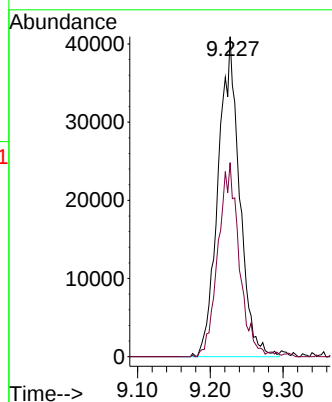
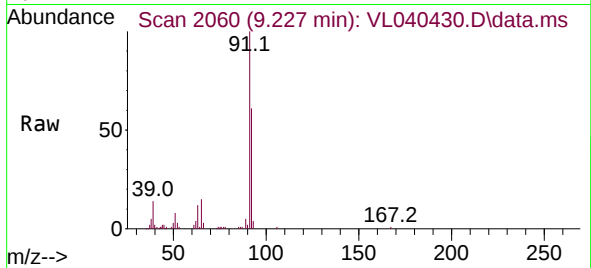
#53
Toluene
Concen: 0.363 ppbv m
RT: 9.227 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 83608
Ion Ratio Lower Upper
91 100
92 0.0 48.9 73.3

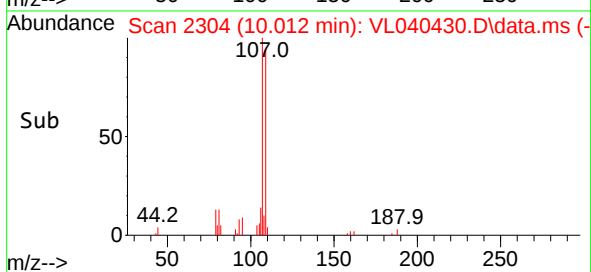
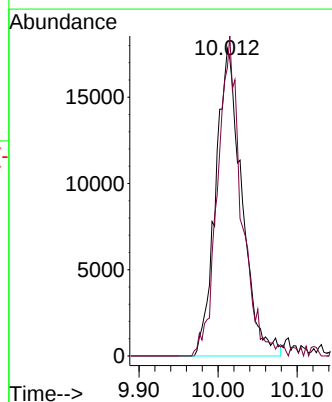
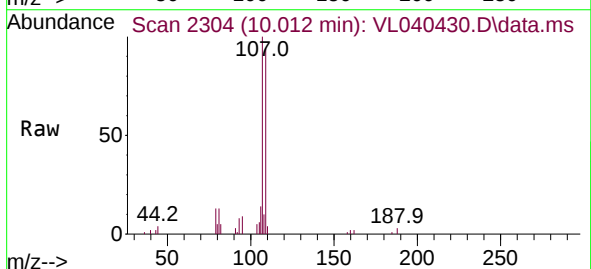
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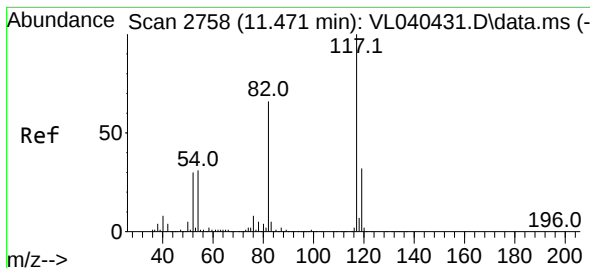
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#54
1,2-Dibromoethane
Concen: 0.433 ppbv m
RT: 10.012 min Scan# 2304
Delta R.T. -0.003 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

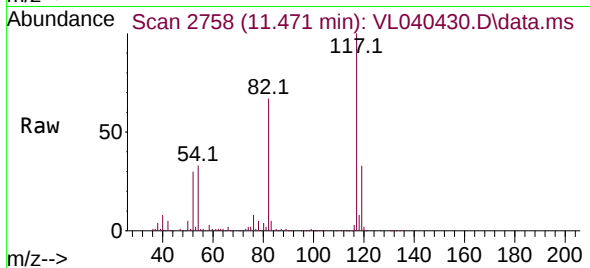
Tgt Ion:107 Resp: 41129
Ion Ratio Lower Upper
107 100
109 93.7 73.6 110.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

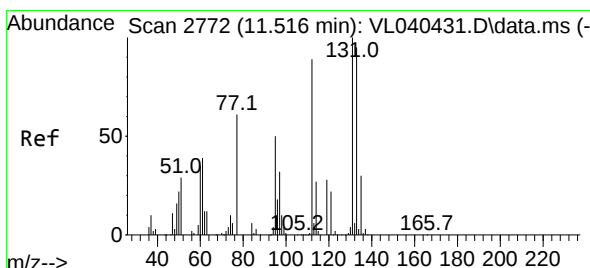
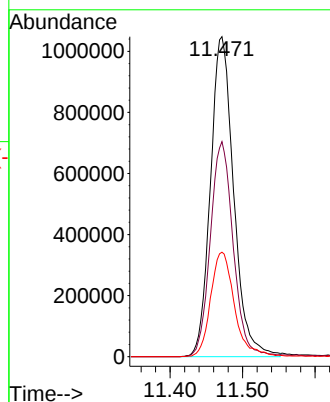
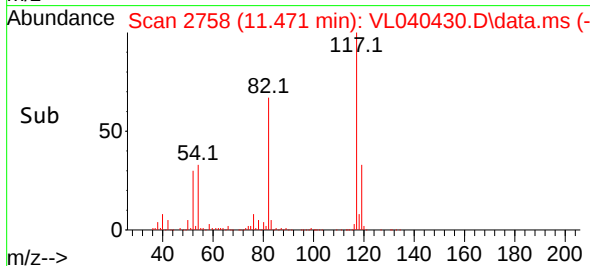
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:117 Resp: 2335070
Ion Ratio Lower Upper
117 100
82 67.0 52.5 78.7
119 33.8 24.3 36.5

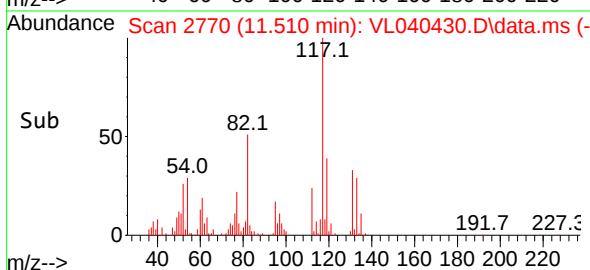
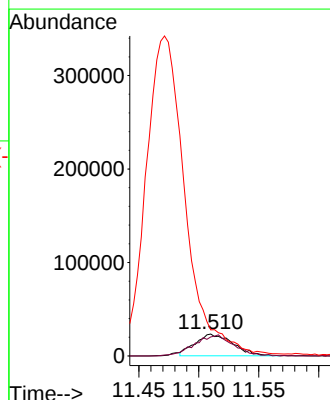
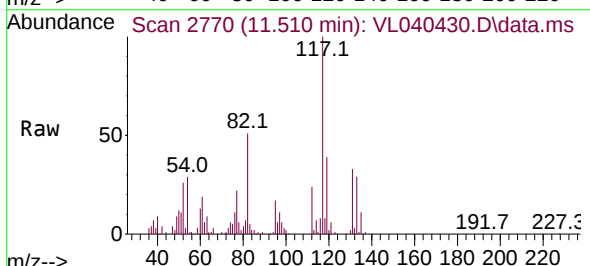
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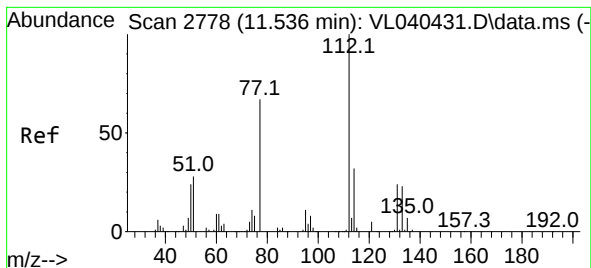
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 0.473 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. -0.006 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Tgt Ion:131 Resp: 50448
Ion Ratio Lower Upper
131 100
133 100.4 75.3 112.9
119 0.0 53.9 80.9#





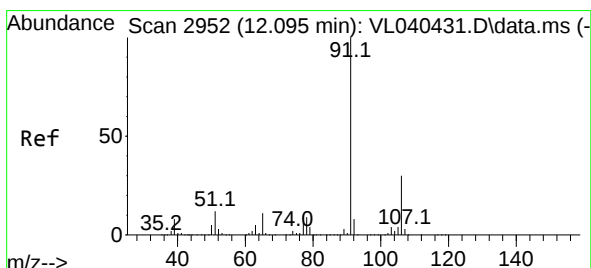
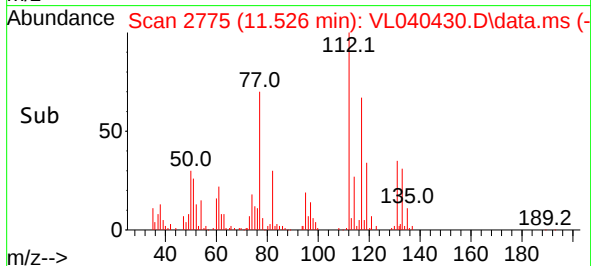
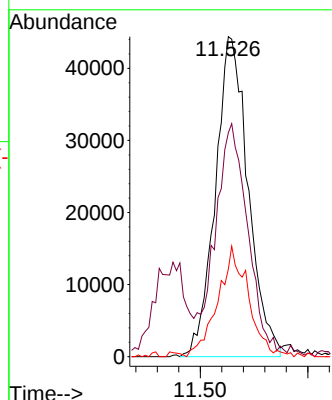
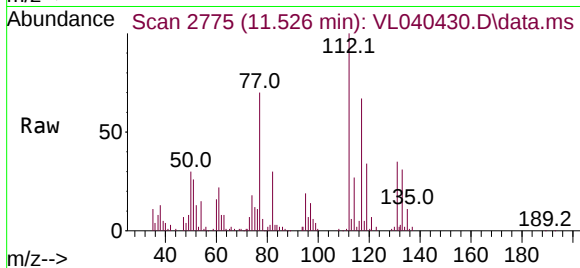
#57
Chlorobenzene
Concen: 0.514 ppbv
RT: 11.526 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:112 Resp: 93968
Ion Ratio Lower Upper
112 100
77 66.7 55.8 83.8
114 26.4 29.1 35.5

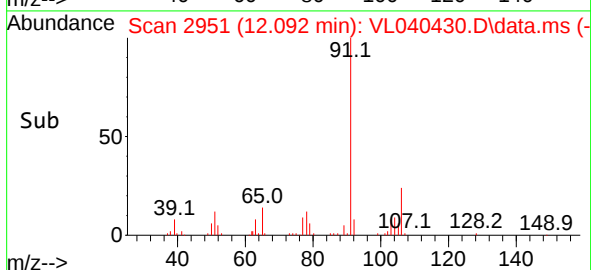
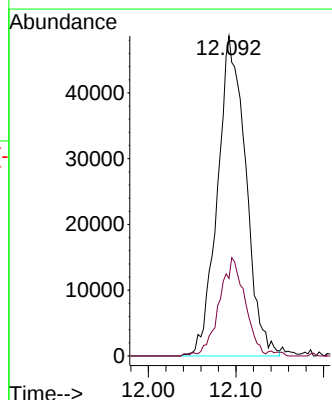
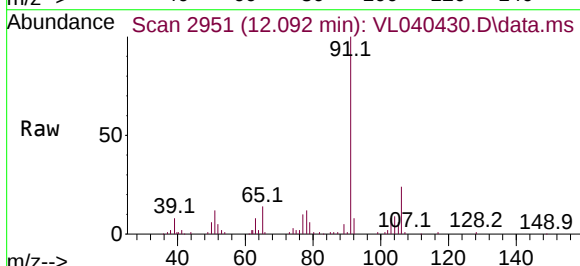
Manual Integrations
APPROVED

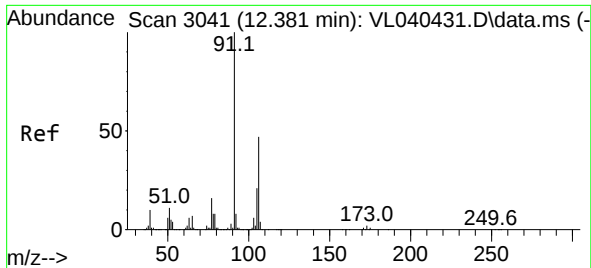
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#58
Ethyl Benzene
Concen: 0.379 ppbv m
RT: 12.092 min Scan# 2951
Delta R.T. -0.006 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Tgt Ion: 91 Resp: 108866
Ion Ratio Lower Upper
91 100
106 24.3 23.5 35.3





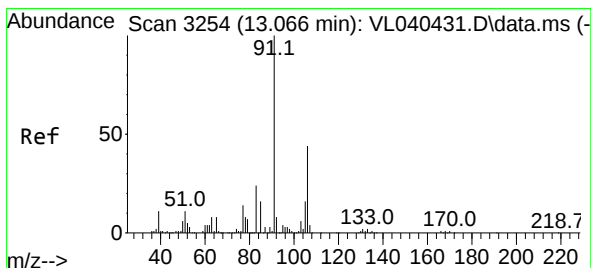
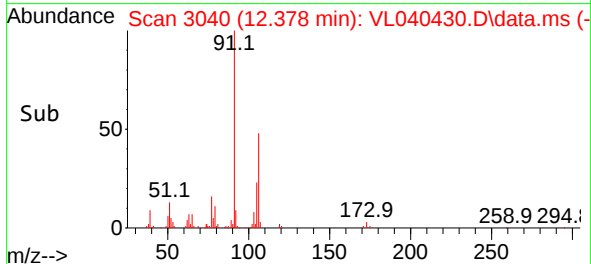
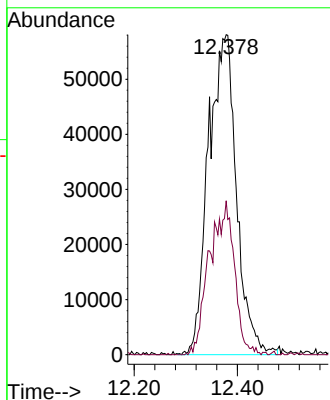
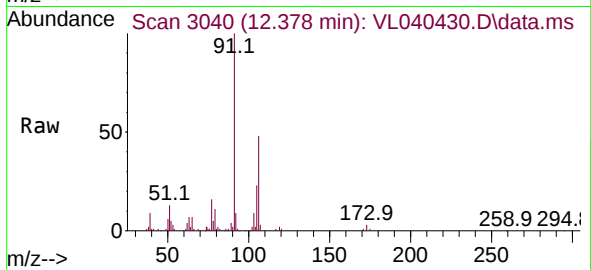
#59
m/p-Xylene
Concen: 0.830 ppbv m
RT: 12.378 min Scan# 3040
Delta R.T. -0.003 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 21927
Ion Ratio Lower Upper
91 100
106 42.9 34.7 52.1

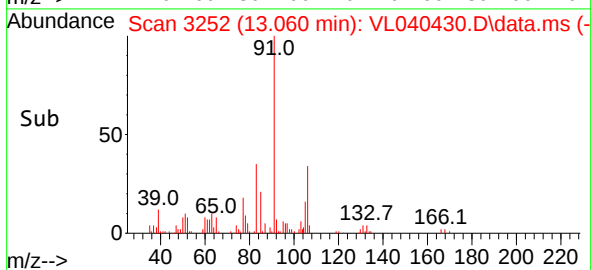
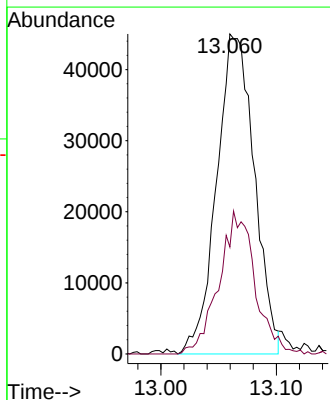
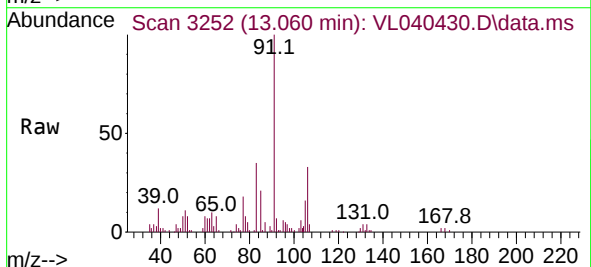
Manual Integrations
APPROVED

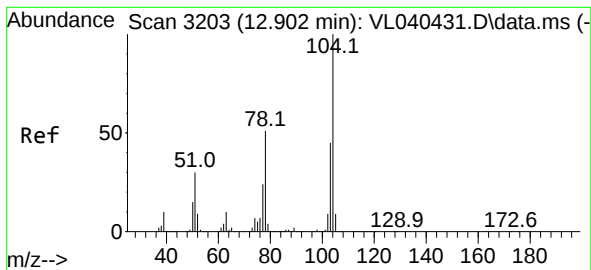
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#60
o-Xylene
Concen: 0.401 ppbv
RT: 13.060 min Scan# 3252
Delta R.T. -0.006 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Tgt Ion: 91 Resp: 101786
Ion Ratio Lower Upper
91 100
106 42.7 21.9 65.8





#61

Styrene

Concen: 0.317 ppbv m

RT: 12.905 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Instrument :

MSVOA_L

ClientSampleId :

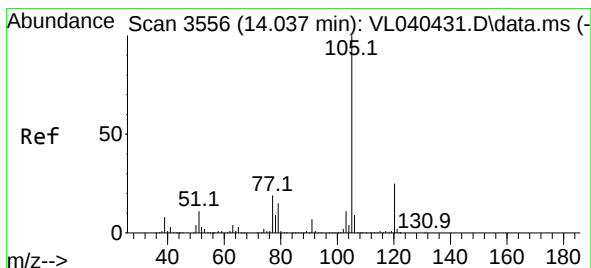
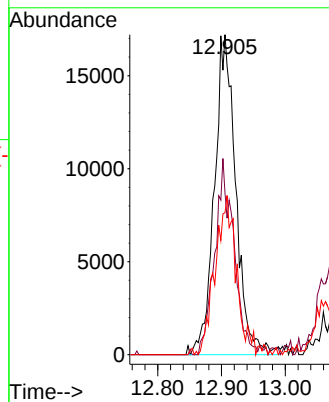
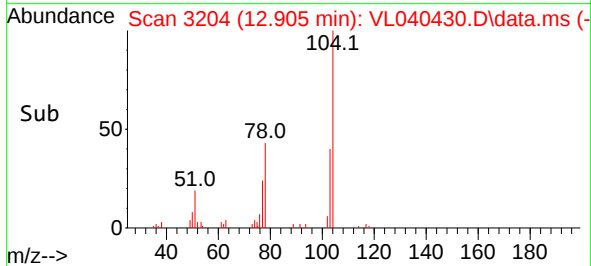
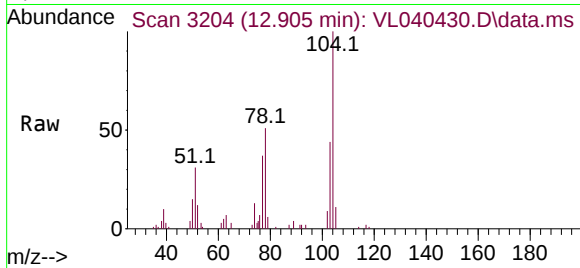
VSTDIC0.5

Tgt Ion:104	Resp:	4022
Ion Ratio	Lower	Upper
104	100	
78	0.0	43.4
103	0.0	37.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#62

Isopropylbenzene

Concen: 0.448 ppbv

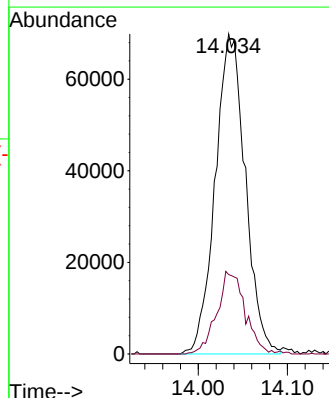
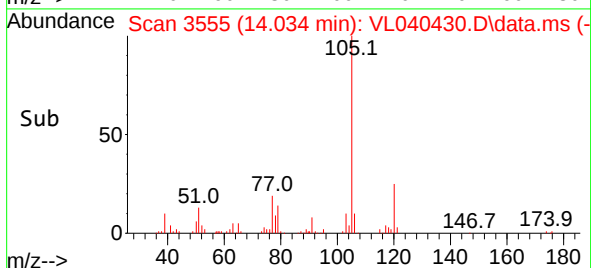
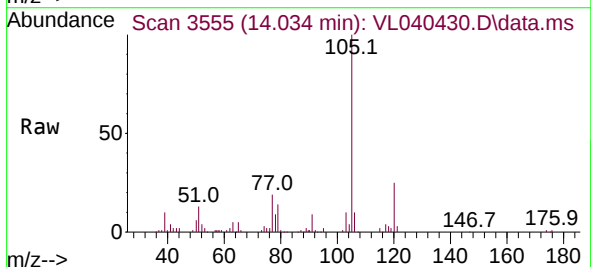
RT: 14.034 min Scan# 3555

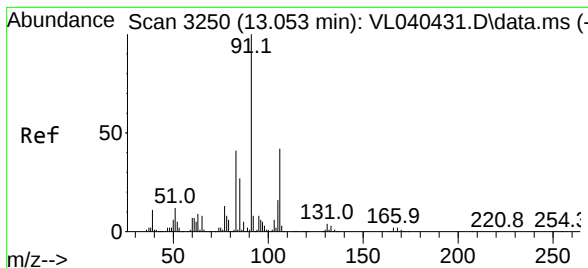
Delta R.T. -0.006 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Tgt Ion:105	Resp:	163512
Ion Ratio	Lower	Upper
105	100	
120	24.4	19.9





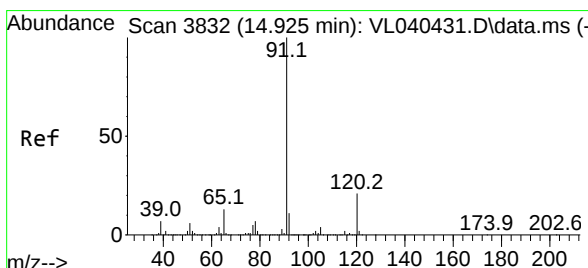
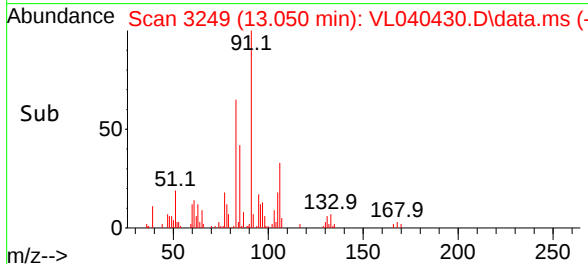
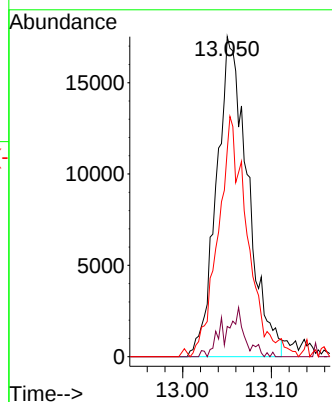
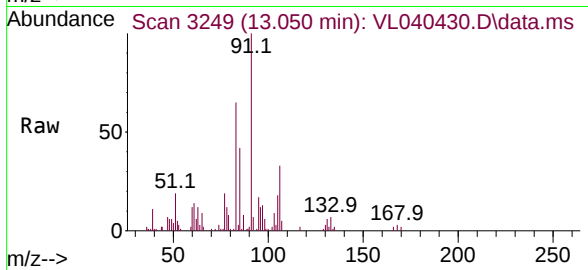
#63
1,1,2,2-Tetrachloroethane
Concen: 0.462 ppbv m
RT: 13.050 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 83 Resp: 4286
Ion Ratio Lower Upper
83 100
131 10.2 4.3 13.1
85 71.0 32.9 98.6

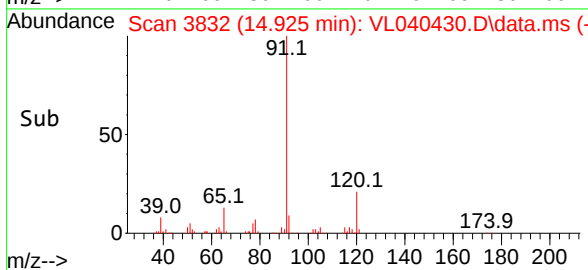
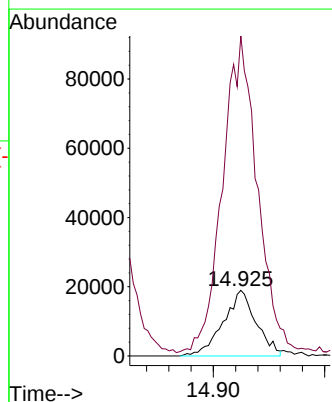
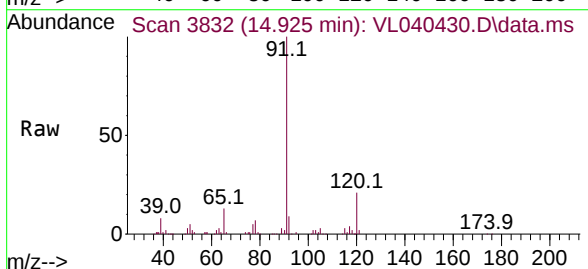
Manual Integrations
APPROVED

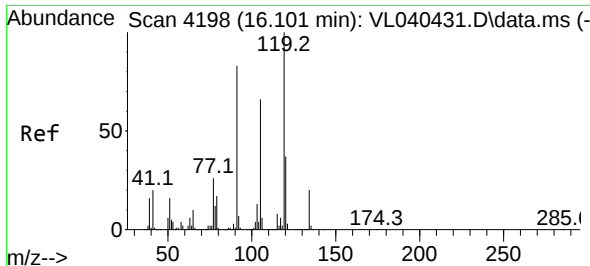
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#64
n-propylbenzene
Concen: 0.433 ppbv
RT: 14.925 min Scan# 3832
Delta R.T. -0.003 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

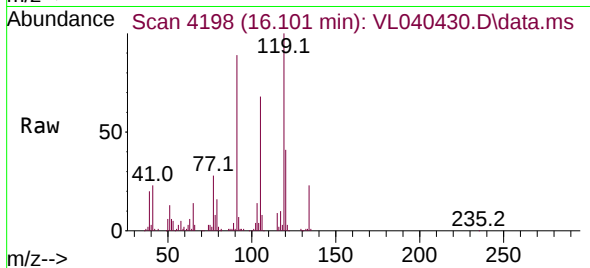
Tgt Ion:120 Resp: 38939
Ion Ratio Lower Upper
120 100
91 539.1 397.4 596.0





#65
tert-Butylbenzene
Concen: 0.430 ppbv
RT: 16.101 min Scan# 4198
Delta R.T. 0.000 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

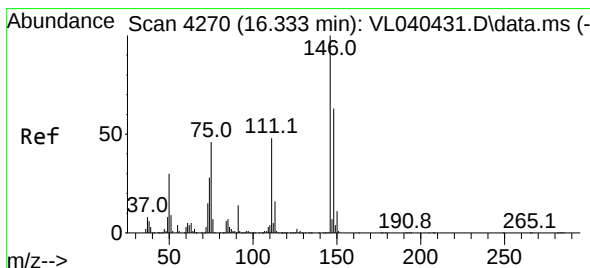
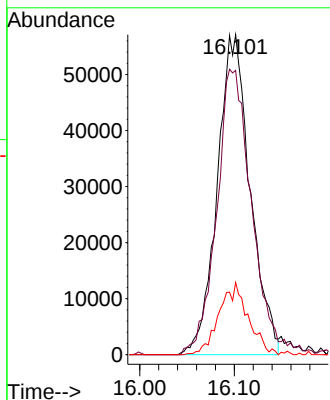
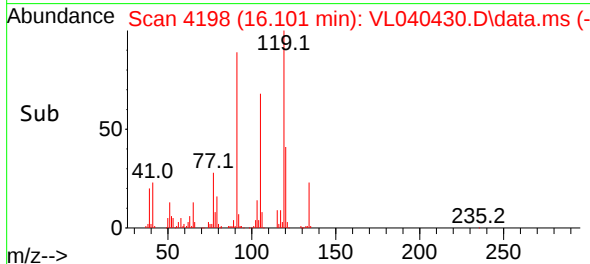
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



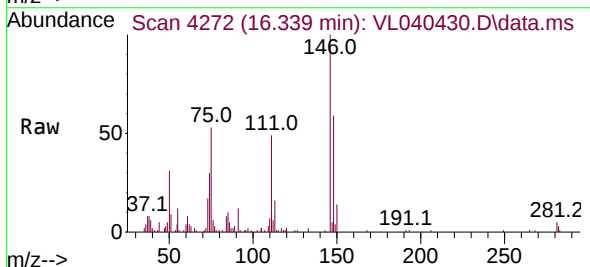
Tgt Ion: 119 Resp: 13827
Ion Ratio Lower Upper
119 100
91 94.9 70.1 105.1
134 19.9 15.6 23.4

Manual Integrations
APPROVED

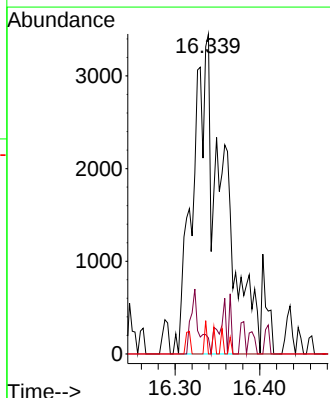
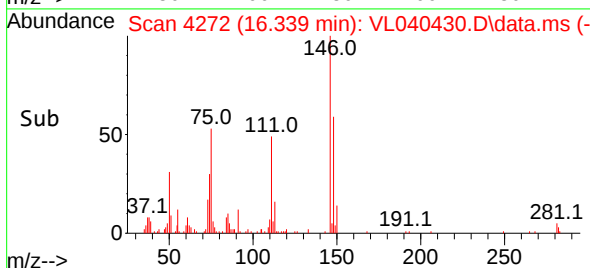
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

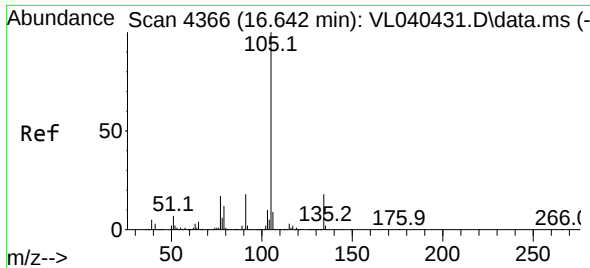


#66
Benzyl Chloride
Concen: 0.460 ppbv m
RT: 16.339 min Scan# 4272
Delta R.T. 0.000 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55



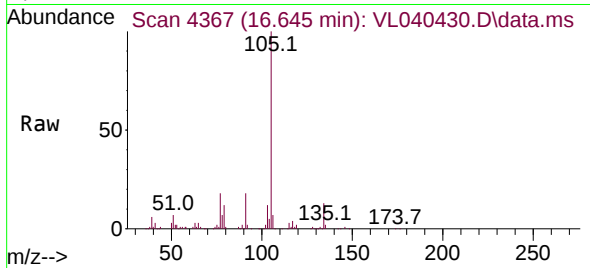
Tgt Ion: 91 Resp: 9149
Ion Ratio Lower Upper
91 100
126 5.0 12.3 18.5#
128 0.0 4.1 6.1#





#67
 sec-Butylbenzene
 Concen: 0.444 ppbv
 RT: 16.645 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL040430.D
 Acq: 16 May 2023 8:55

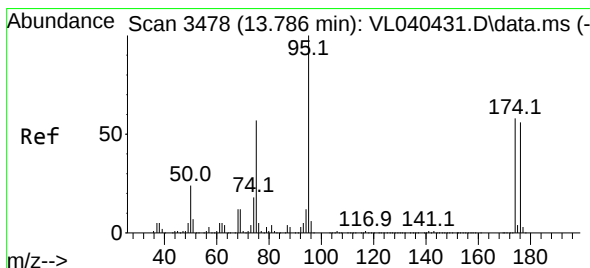
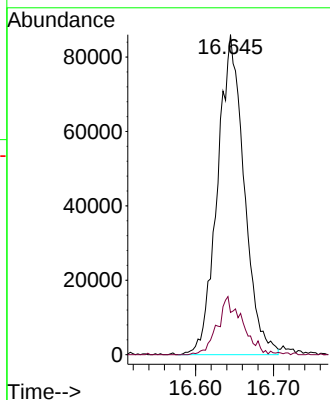
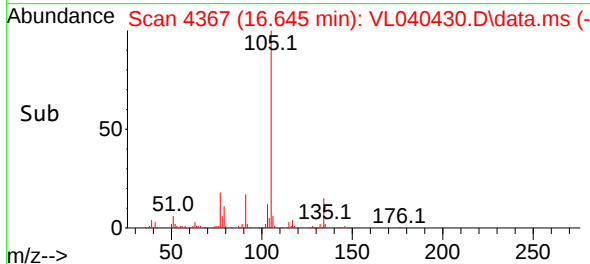
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



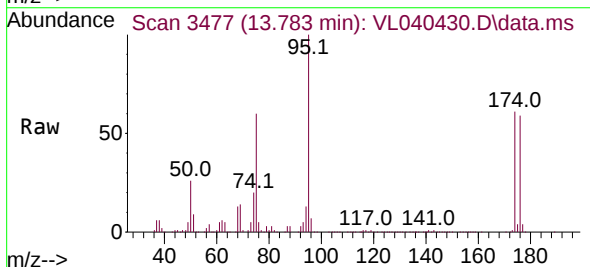
Tgt Ion:105 Resp: 204733
 Ion Ratio Lower Upper
 105 100
 134 17.3 13.8 20.6

Manual Integrations
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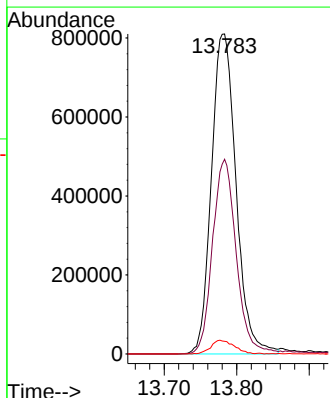
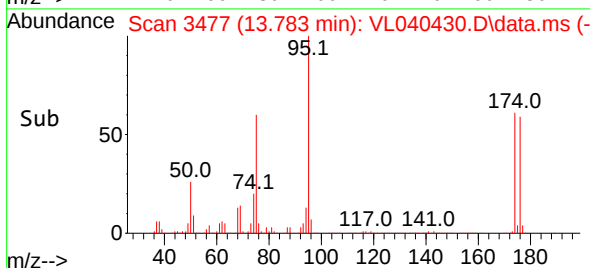
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

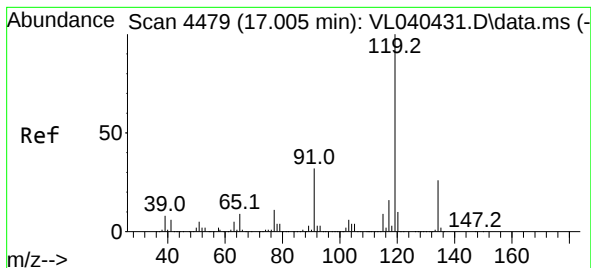


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.915 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. -0.003 min
 Lab File: VL040430.D
 Acq: 16 May 2023 8:55



Tgt Ion: 95 Resp: 1914492
 Ion Ratio Lower Upper
 95 100
 174 59.7 47.2 70.8
 175 4.2 3.5 5.3





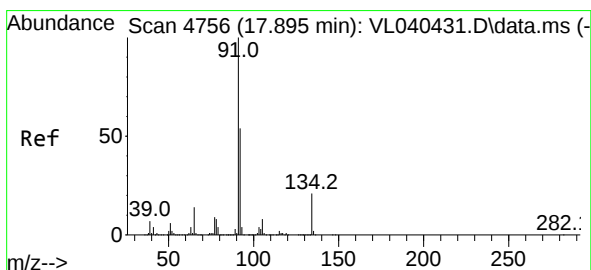
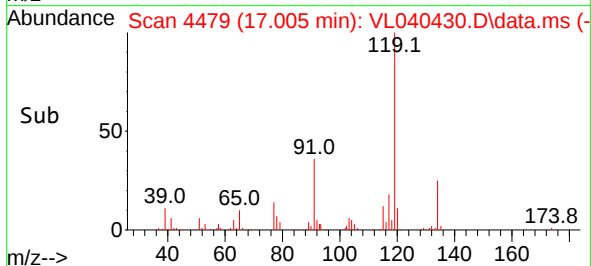
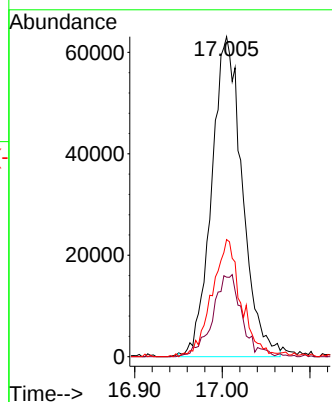
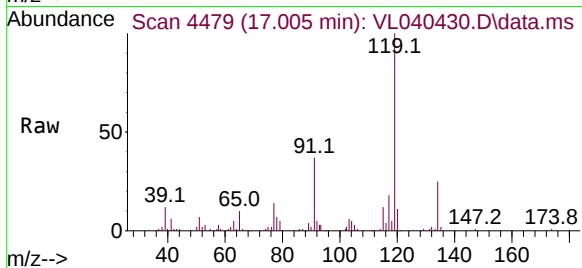
#69
p-Isopropyltoluene
Concen: 0.426 ppbv m
RT: 17.005 min Scan# 4479
Delta R.T. -0.003 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 15336
Ion Ratio Lower Upper
119 100
134 24.7 20.2 30.4
91 34.6 25.7 38.5

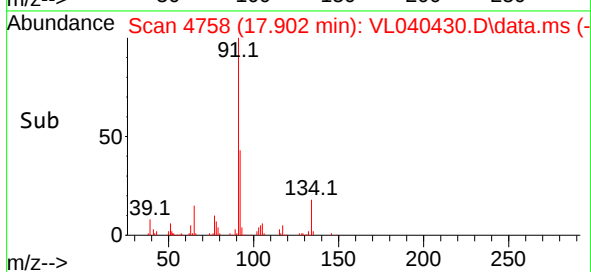
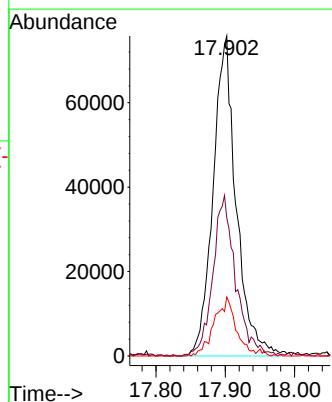
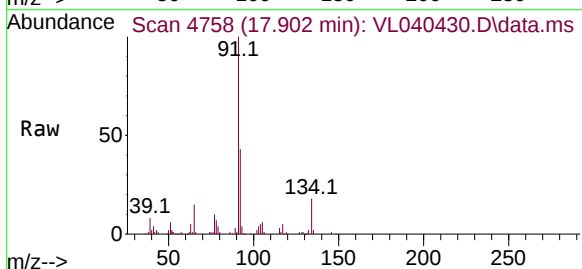
Manual Integrations
APPROVED

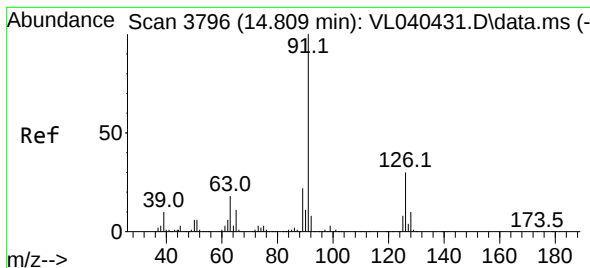
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#70
n-Butylbenzene
Concen: 0.439 ppbv
RT: 17.902 min Scan# 4758
Delta R.T. 0.003 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

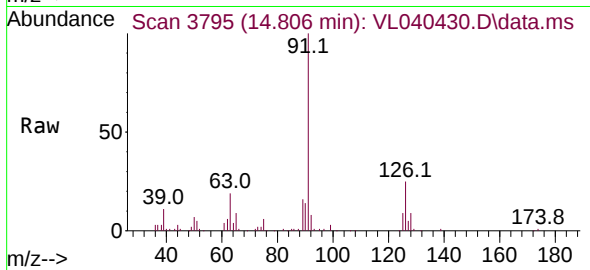
Tgt Ion: 91 Resp: 175347
Ion Ratio Lower Upper
91 100
92 49.7 43.0 64.4
134 18.0 16.6 25.0





#71
2-Chlorotoluene
Concen: 0.413 ppbv
RT: 14.806 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

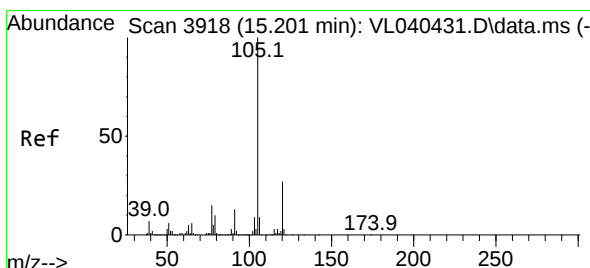
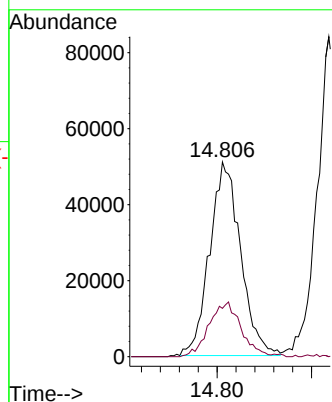
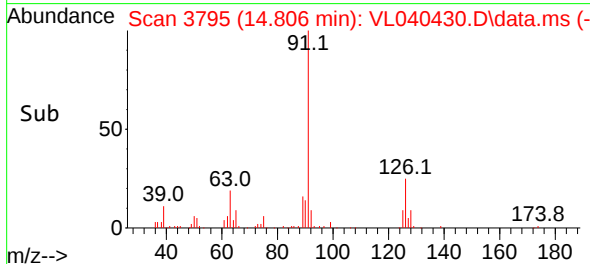
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



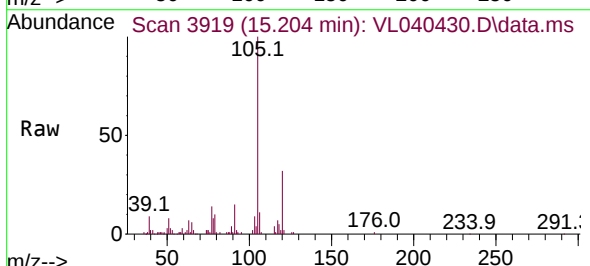
Tgt Ion: 91 Resp: 115880
Ion Ratio Lower Upper
91 100
126 29.4 11.8 47.4

Manual Integrations
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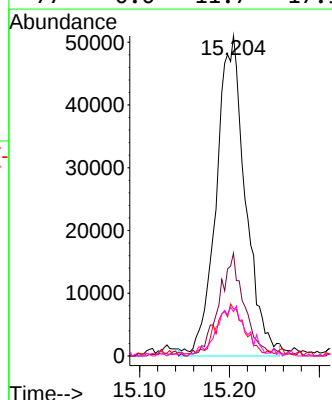
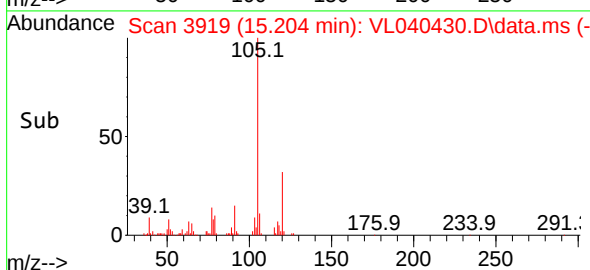
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

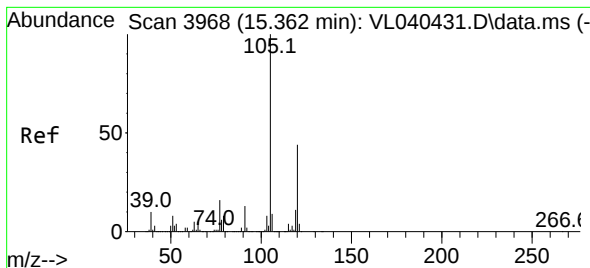


#72
4-Ethyltoluene
Concen: 0.409 ppbv m
RT: 15.204 min Scan# 3919
Delta R.T. 0.000 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55



Tgt Ion:105 Resp: 114470
Ion Ratio Lower Upper
105 100
120 0.0 23.0 34.6#
91 0.0 11.3 16.9#
77 0.0 11.7 17.5#





#73

1,3,5-Trimethylbenzene

Concen: 0.420 ppbv m

RT: 15.359 min Scan# 3967

Delta R.T. -0.003 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 10866

Ion Ratio Lower Upper

105 100

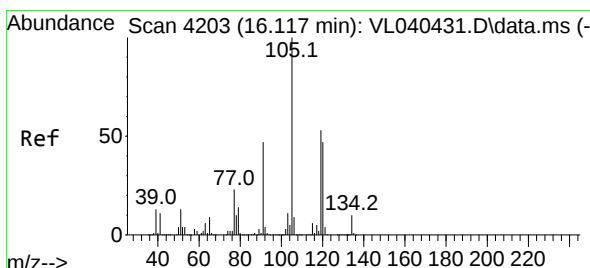
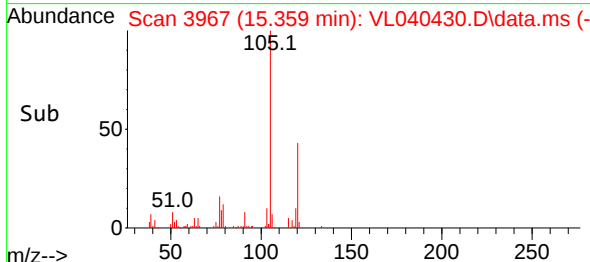
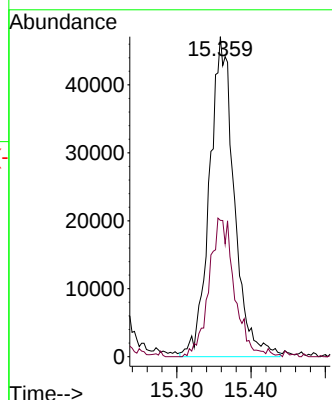
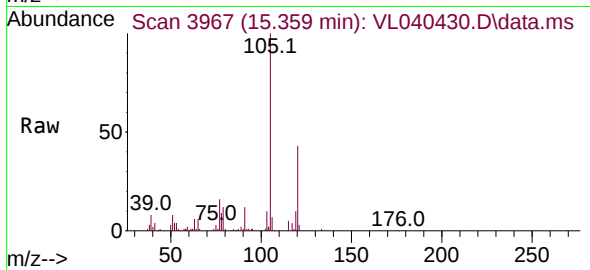
120 42.6 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.443 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. -0.003 min

Lab File: VL040430.D

Acq: 16 May 2023 8:55

Tgt Ion:105 Resp: 131010

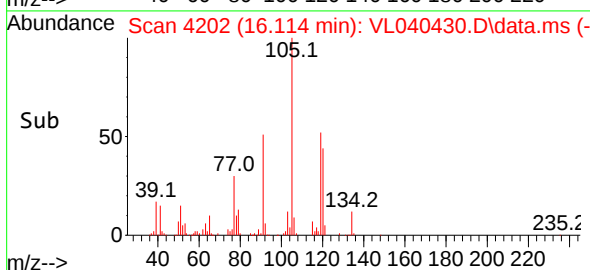
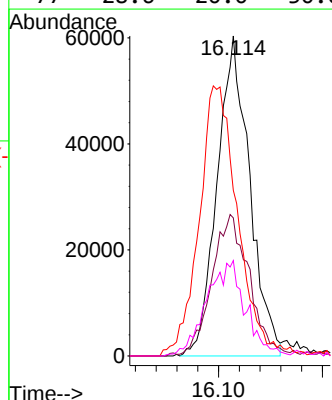
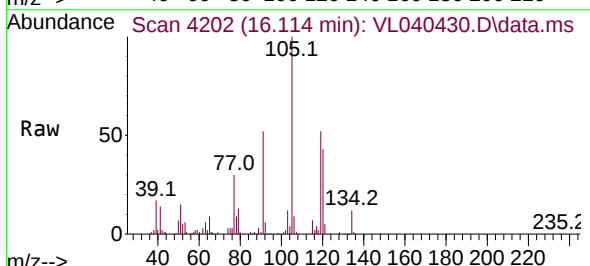
Ion Ratio Lower Upper

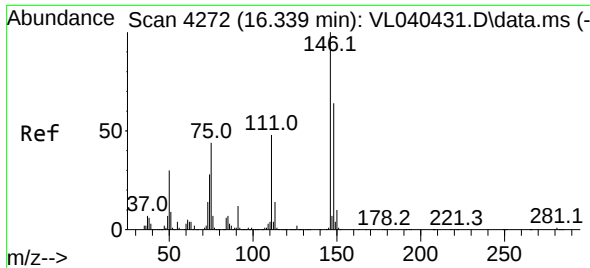
105 100

120 42.6 38.9 58.3

91 48.3 46.0 69.0

77 28.6 20.0 30.0





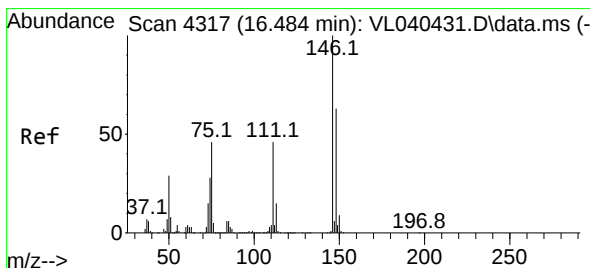
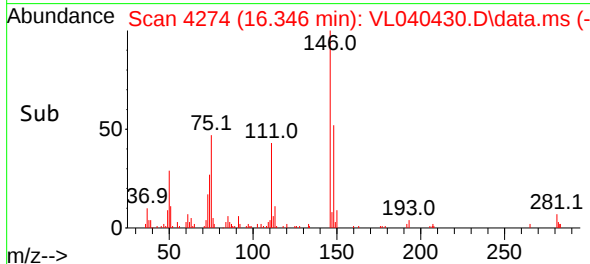
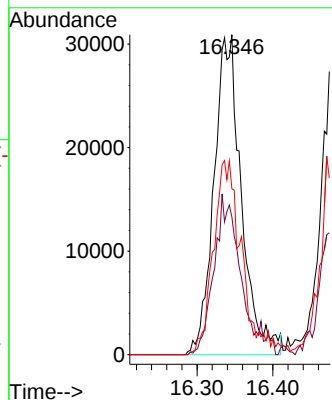
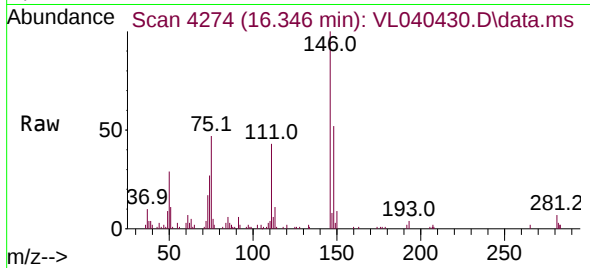
#75
1,3-Dichlorobenzene
Concen: 0.479 ppbv m
RT: 16.346 min Scan# 4272
Delta R.T. 0.004 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 77560
Ion Ratio Lower Upper
146 100
111 49.0 24.6 74.0
148 63.1 32.1 96.3

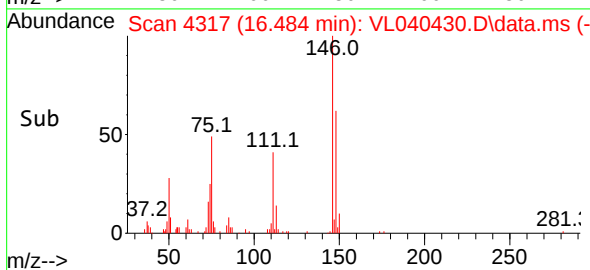
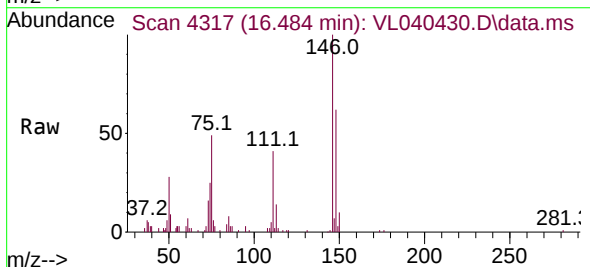
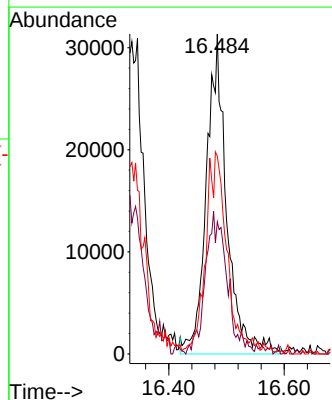
Manual Integrations
APPROVED

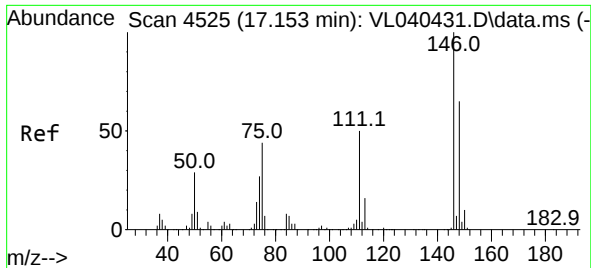
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#76
1,4-Dichlorobenzene
Concen: 0.480 ppbv m
RT: 16.484 min Scan# 4317
Delta R.T. 0.000 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Tgt Ion:146 Resp: 76692
Ion Ratio Lower Upper
146 100
111 47.4 23.8 71.4
148 65.0 32.4 97.2





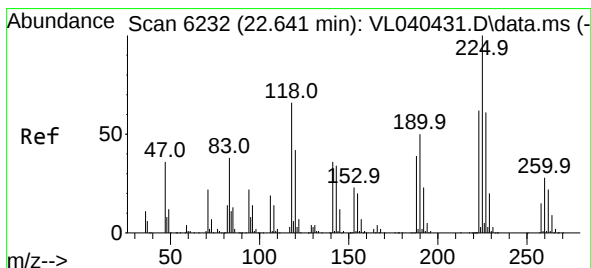
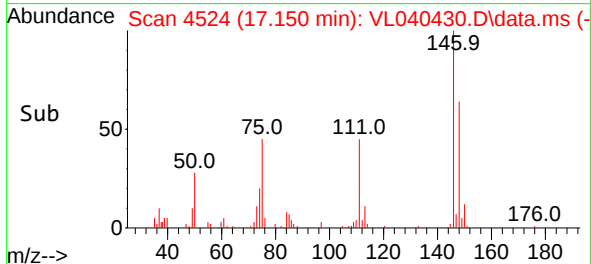
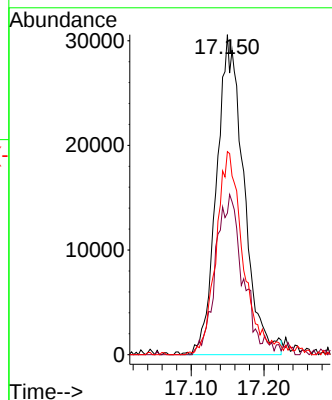
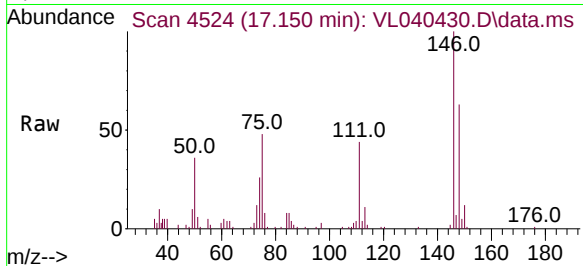
#77
1,2-Dichlorobenzene
Concen: 0.496 ppbv m
RT: 17.150 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 79324
Ion Ratio Lower Upper
146 100
111 52.0 25.4 76.0
148 0.0 32.0 96.2

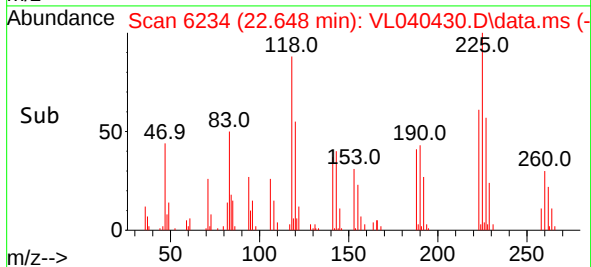
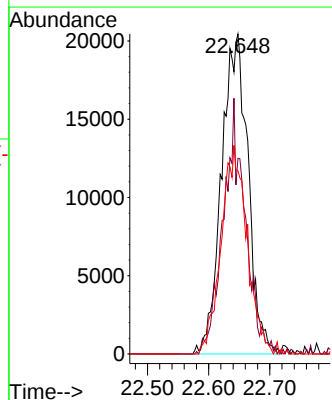
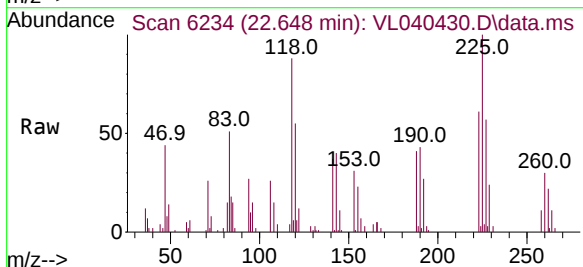
Manual Integrations
APPROVED

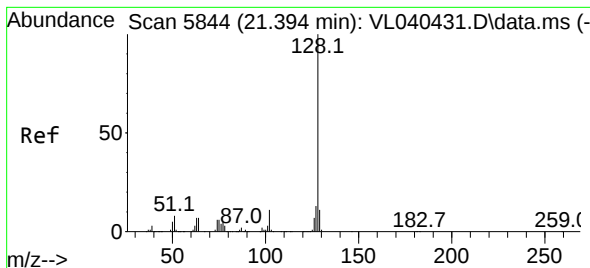
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.479 ppbv m
RT: 22.648 min Scan# 6234
Delta R.T. -0.000 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Tgt Ion:225 Resp: 61396
Ion Ratio Lower Upper
225 100
223 66.1 50.7 76.1
227 63.9 51.0 76.4





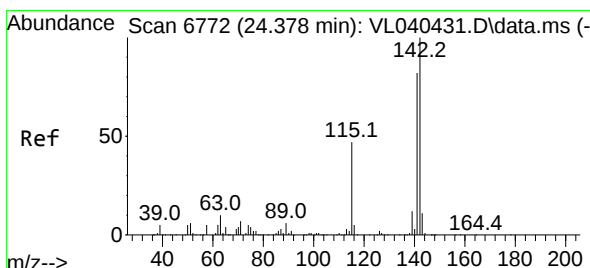
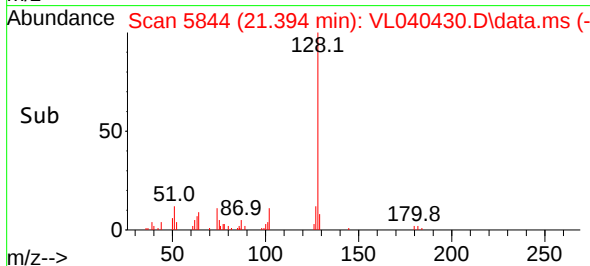
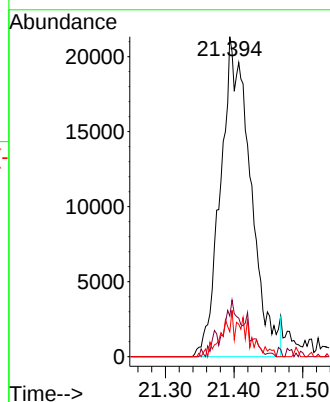
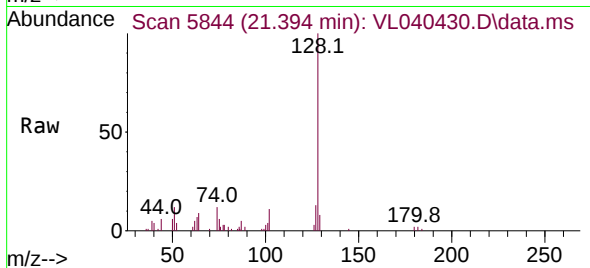
#79
Naphthalene
Concen: 0.324 ppbv m
RT: 21.394 min Scan# 5844
Delta R.T. -0.000 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 6460
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 7.8 9.4 14.0

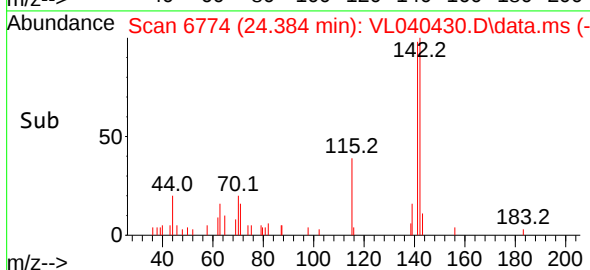
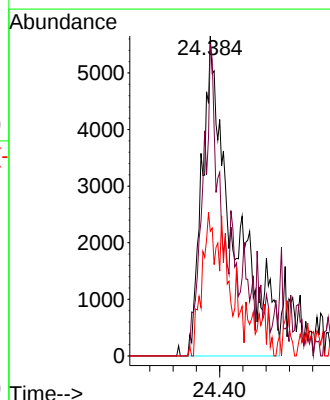
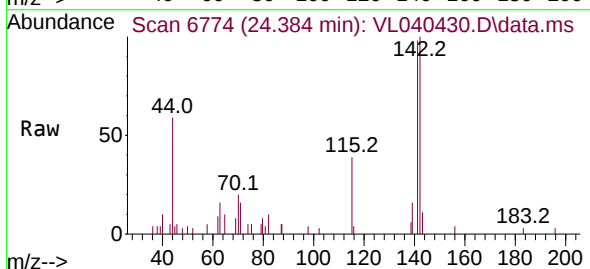
Manual Integrations
APPROVED

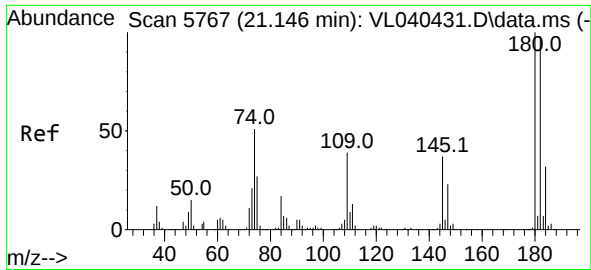
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#80
Naphthalene,2-methyl-
Concen: 0.347 ppbv m
RT: 24.384 min Scan# 6774
Delta R.T. 0.000 min
Lab File: VL040430.D
Acq: 16 May 2023 8:55

Tgt Ion:142 Resp: 20616
Ion Ratio Lower Upper
142 100
141 78.6 65.1 97.7
115 21.9 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 0.366 ppbv m

RT: 21.143 min Scan# 51

Delta R.T. -0.013 min

Lab File: VL040430.D

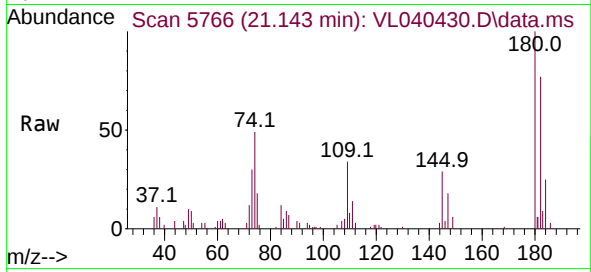
Acq: 16 May 2023 8:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5



Tgt Ion:180 Resp: 44820

Ion Ratio Lower Upper

180 100

182 101.9 77.7 116.5

184 32.8 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023

