

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040431.D
 Acq On : 16 May 2023 9:34
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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

Quant Time: May 16 10:11:11 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)

Internal Standards						
1) Bromochloromethane	5.189	49	1103536	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2763812	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2673969	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2139477 9.676 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	2044682	10.276	ppbv	98
3) Chlorodifluoromethane	2.665	51	1298849	9.007	ppbv	99
4) Chloromethane	2.803	50	819492	8.996	ppbv	95
5) Vinyl Chloride	2.909	62	680626	9.052	ppbv	99
6) Bromomethane	3.112	94	225175	9.089	ppbv	96
7) Chloroethane	3.189	64	262263	9.211	ppbv	96
8) Dichlorotetrafluoroethane	2.848	85	1807780	9.297	ppbv	100
9) Propene	2.684	41	517793	9.089	ppbv	100
10) Heptane	7.581	43	1311800	10.132	ppbv	100
11) Trichlorofluoromethane	3.555	101	1817215	9.022	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	1312696	9.318	ppbv	99
13) Ethanol	3.237	45	36719m	7.721	ppbv	
14) Bromoethene	3.359	108	537434	9.330	ppbv	99
15) Acetone	3.459	43	1241649	7.944	ppbv	100
16) 1,3-Butadiene	2.973	39	617831	9.552	ppbv	100
17) tert-Butyl alcohol	3.870	59	1384232	9.644	ppbv	100
18) 1,1-Dichloroethene	3.874	96	597703	9.407	ppbv	97
19) Isopropyl Alcohol	3.565	45	669162	9.383	ppbv #	98
20) Methylene Chloride	3.928	84	489727	7.848	ppbv	96
21) Allyl Chloride	3.989	41	858806	9.670	ppbv	99
22) trans-1,2-Dichloroethene	4.439	96	617809	9.726	ppbv	98
23) Vinyl Acetate	4.623	43	385818m	9.695	ppbv	
24) 1,1-Dichloroethane	4.558	63	1223612	9.239	ppbv	99
25) Ethyl Acetate	5.201	43	2432129	9.247	ppbv	100
26) Hexane	5.208	57	1030307	9.292	ppbv	99
27) Carbon Disulfide	4.118	76	1472945	10.265	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	1094465	9.562	ppbv	99
29) Chloroform	5.272	83	1827639	9.253	ppbv	98
30) Cyclohexane	6.603	84	870901	10.142	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	1091198	9.929	ppbv	98
32) 1,1,1-Trichloroethane	6.002	97	1832893	9.551	ppbv	100
34) 2-Butanone	4.783	43	1375545	9.230	ppbv	100
35) Carbon Tetrachloride	6.494	117	1878383	9.655	ppbv	99
36) Benzene	6.372	78	2193353	9.727	ppbv	99
37) 1,2-Dichloroethane	5.806	62	1429072	9.648	ppbv	100
38) Trichloroethene	7.295	130	1358992	10.589	ppbv	98
39) 1,2-Dichloropropane	7.076	63	846798	9.544	ppbv	97
40) 1,4-Dioxane	7.295	88	309610	9.111	ppbv #	99
41) Tetrahydrofuran	5.555	42	830420	10.174	ppbv	99
42) Bromodichloromethane	7.253	83	1996722	9.871	ppbv	96
43) Methyl Methacrylate	7.478	69	889795	10.624	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	3637906	9.659	ppbv	100
45) t-1,3-Dichloropropene	8.713	75	864365	11.554	ppbv	96

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2023

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

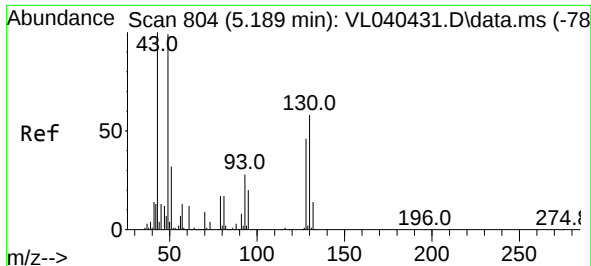
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1167464	11.212	ppbv	98
47) 1,1,2-Trichloroethane	8.906	97	940547	9.668	ppbv	97
48) Dibromochloromethane	9.716	129	1616958	10.321	ppbv	100
49) Bromoform	12.413	173	1313440	10.749	ppbv	100
50) 4-Methyl-2-Pentanone	8.185	43	2299601	10.177	ppbv	100
51) 2-Hexanone	9.555	43	1793713	10.742	ppbv #	100
52) Tetrachloroethene	10.622	164	757403	10.738	ppbv	96
53) Toluene	9.224	91	2520792	10.545	ppbv	100
54) 1,2-Dibromoethane	10.015	107	1014217	10.283	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.516	131	1167148	9.563	ppbv	96
57) Chlorobenzene	11.536	112	2002580	9.565	ppbv	99
58) Ethyl Benzene	12.095	91	3483069	10.589	ppbv	99
59) m/p-Xylene	12.381	91	6092296m	20.140	ppbv	
60) o-Xylene	13.066	91	2946642	10.150	ppbv	100
61) Styrene	12.902	104	1679724	11.551	ppbv	100
62) Isopropylbenzene	14.037	105	4132781	9.885	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.053	83	882195	8.304	ppbv	100
64) n-propylbenzene	14.925	120	1050946	10.216	ppbv	98
65) tert-Butylbenzene	16.101	119	3632838	9.876	ppbv	100
66) Benzyl Chloride	16.333	91	228601	10.038	ppbv	99
67) sec-Butylbenzene	16.642	105	5192715	9.828	ppbv	99
69) p-Isopropyltoluene	17.005	119	4151223	10.062	ppbv	100
70) n-Butylbenzene	17.895	91	4559036	9.969	ppbv	100
71) 2-Chlorotoluene	14.809	91	3221445	10.036	ppbv	99
72) 4-Ethyltoluene	15.201	105	3367530	10.508	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	3027552	10.227	ppbv	97
74) 1,2,4-Trimethylbenzene	16.117	105	3308085	9.776	ppbv	95
75) 1,3-Dichlorobenzene	16.339	146	1822389	9.833	ppbv	100
76) 1,4-Dichlorobenzene	16.484	146	1798505	9.822	ppbv	100
77) 1,2-Dichlorobenzene	17.153	146	1759485	9.601	ppbv	100
78) Hexachloro-1,3-Butadiene	22.641	225	1197286	8.149	ppbv	100
79) Naphthalene	21.394	128	2518415	11.026	ppbv	99
80) Naphthalene,2-methyl-	24.378	142	760324	11.183	ppbv	99
81) 1,2,4-Trichlorobenzene	21.146	180	1328805	9.467	ppbv	99

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

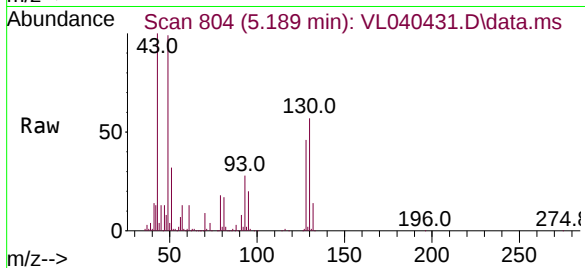
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

[illegible]



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

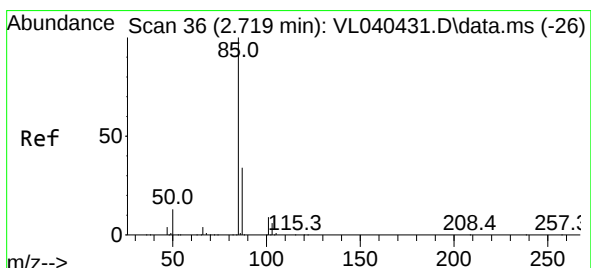
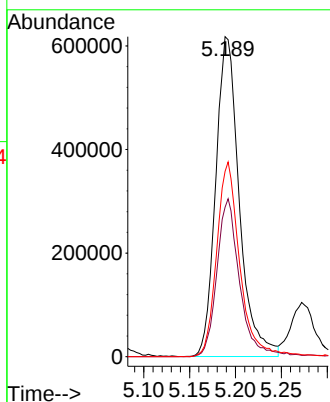
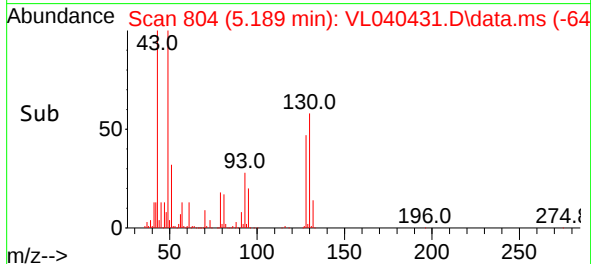
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



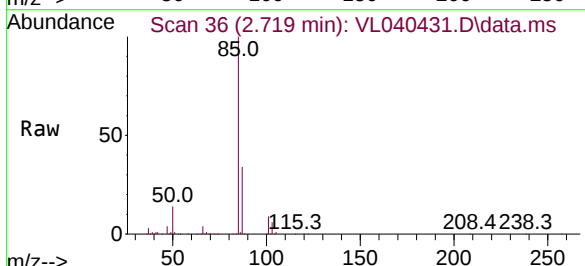
Tgt Ion: 49 Resp: 1103530
Ion Ratio Lower Upper
49 100
128 48.5 23.7 71.1
130 60.4 29.9 89.8

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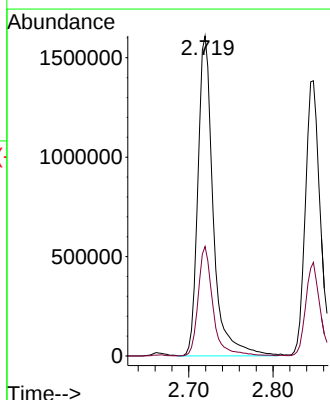
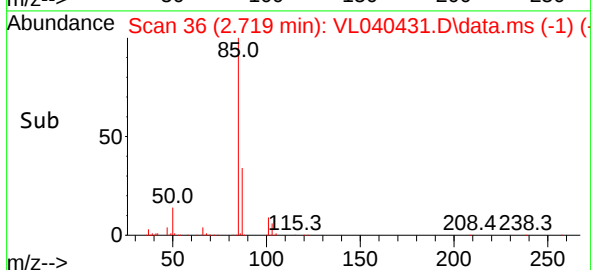
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

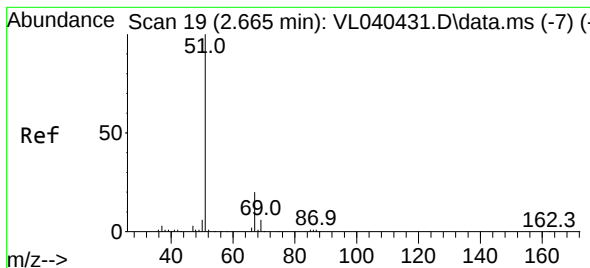


#2
Dichlorodifluoromethane
Concen: 10.276 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34



Tgt Ion: 85 Resp: 2044682
Ion Ratio Lower Upper
85 100
87 34.2 26.6 40.0





#3

Chlorodifluoromethane

Concen: 9.007 ppbv

RT: 2.665 min Scan# 19

Delta R.T. 0.004 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 51 Resp: 1298849

Ion Ratio Lower Upper

51 100

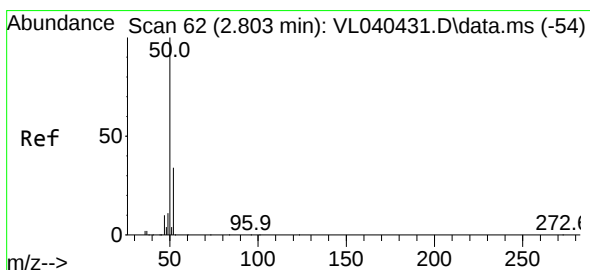
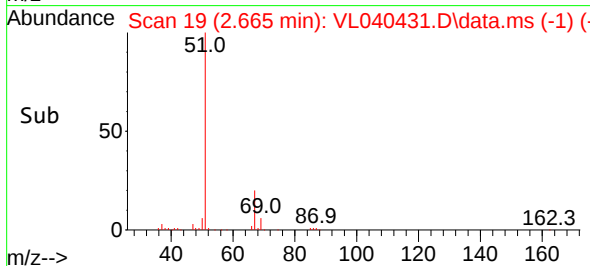
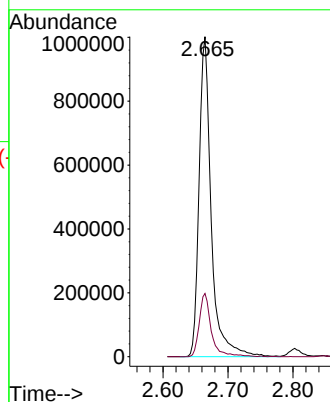
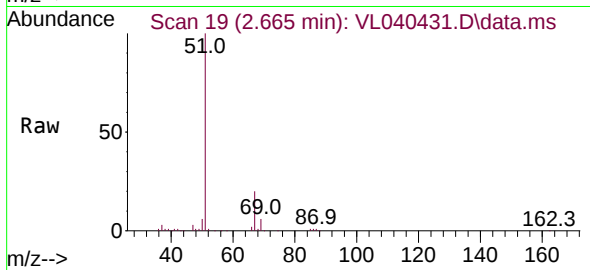
67 19.7 15.5 23.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/17/2023

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#4

Chloromethane

Concen: 8.996 ppbv

RT: 2.803 min Scan# 62

Delta R.T. 0.003 min

Lab File: VL040431.D

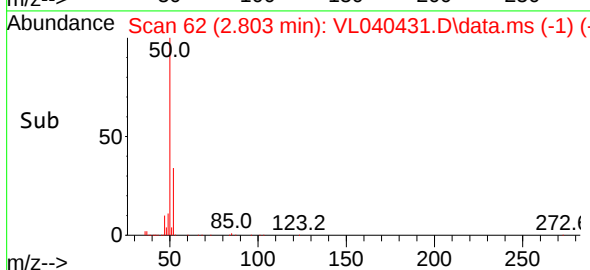
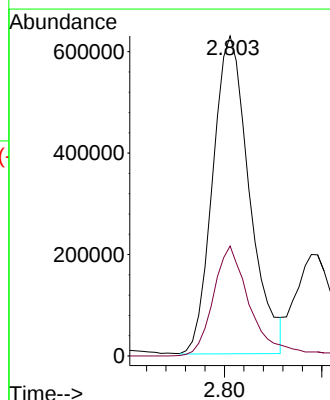
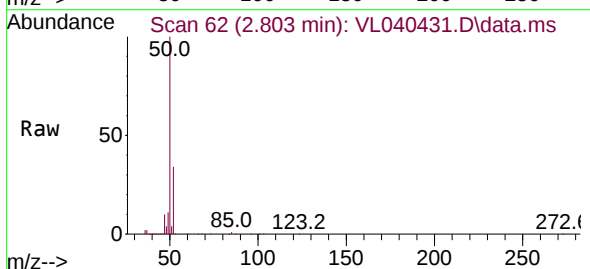
Acq: 16 May 2023 9:34

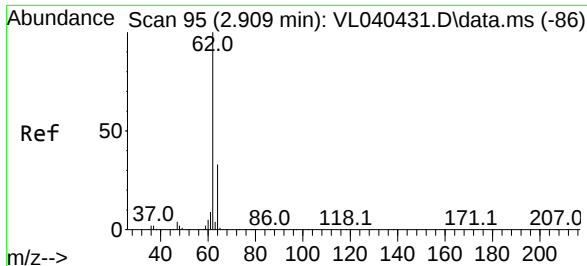
Tgt Ion: 50 Resp: 819492

Ion Ratio Lower Upper

50 100

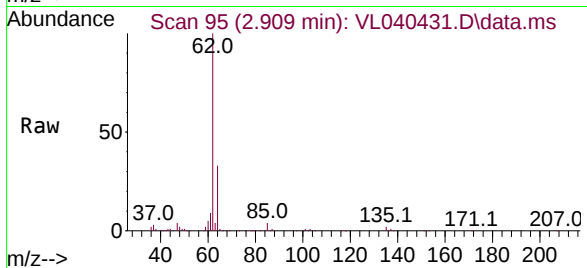
52 34.5 25.3 37.9





#5
 Vinyl Chloride
 Concen: 9.052 ppbv
 RT: 2.909 min Scan# 95
 Delta R.T. -0.000 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

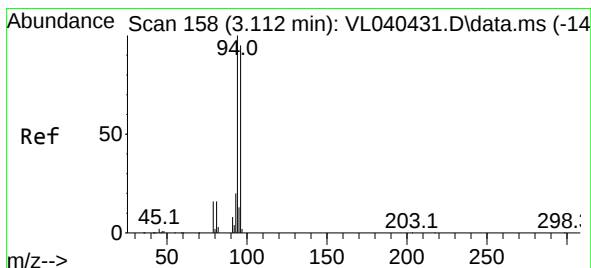
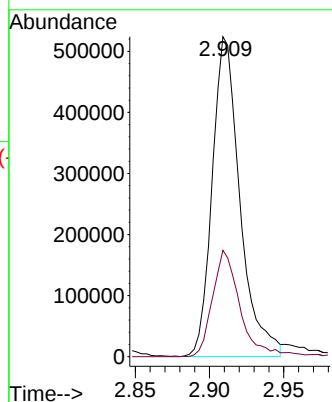
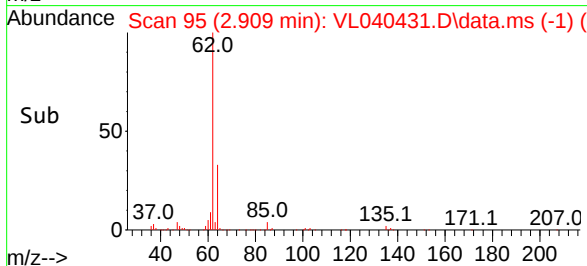
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



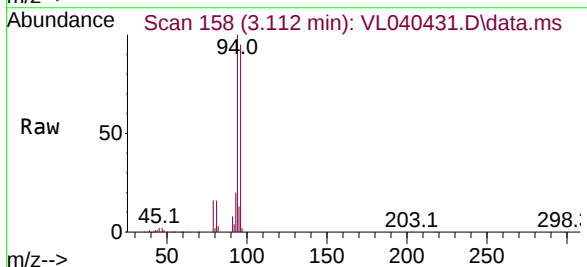
Tgt Ion: 62 Resp: 680620
 Ion Ratio Lower Upper
 62 100
 64 33.3 26.3 39.5

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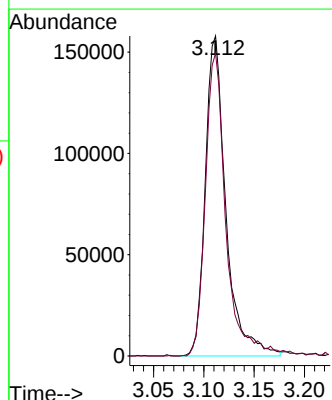
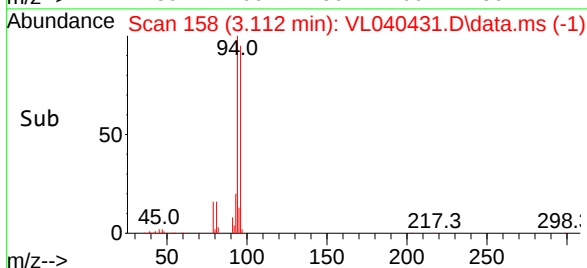
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

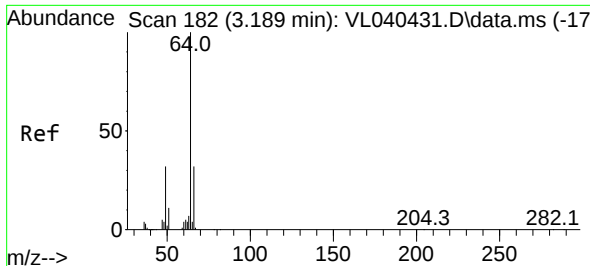


#6
 Bromomethane
 Concen: 9.089 ppbv
 RT: 3.112 min Scan# 158
 Delta R.T. 0.004 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34



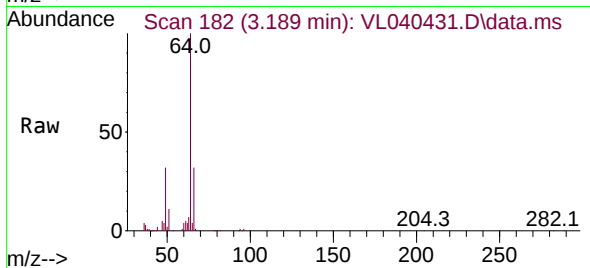
Tgt Ion: 94 Resp: 225175
 Ion Ratio Lower Upper
 94 100
 96 94.6 72.6 108.8





#7
Chloroethane
Concen: 9.211 ppbv
RT: 3.189 min Scan# 182
Delta R.T. 0.004 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

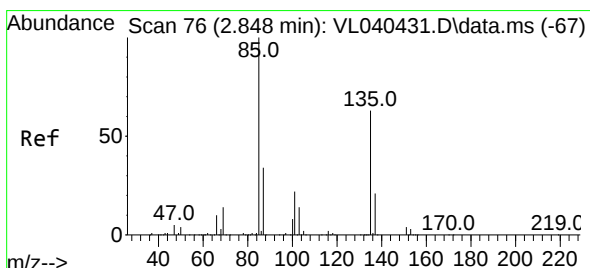
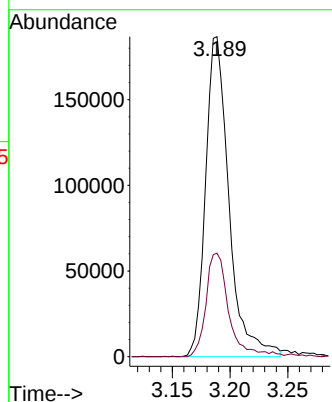
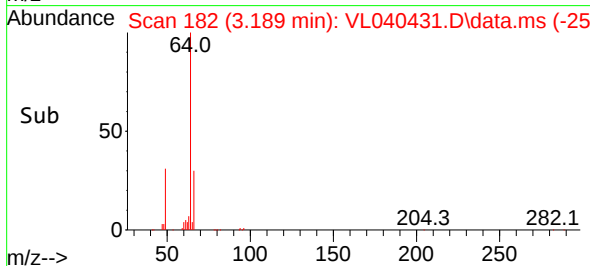
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 64 Resp: 262263
Ion Ratio Lower Upper
64 100
66 32.3 27.5 41.3

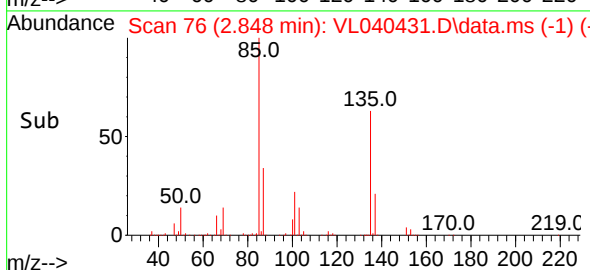
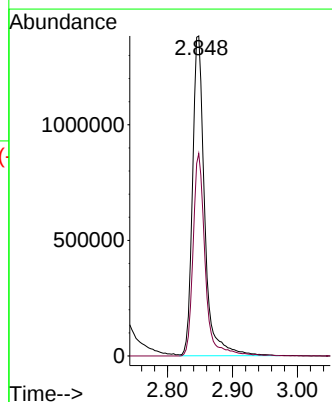
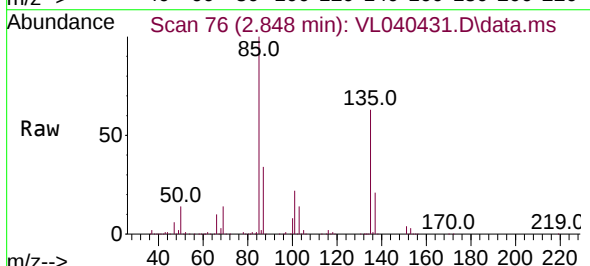
Manual Integrations
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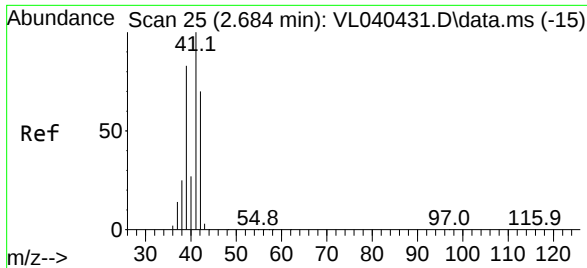
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#8
Dichlorotetrafluoroethane
Concen: 9.297 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

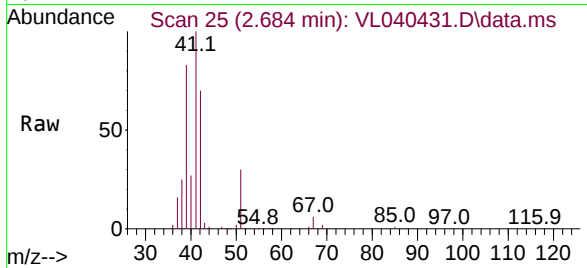
Tgt Ion: 85 Resp: 1807780
Ion Ratio Lower Upper
85 100
135 63.2 50.7 76.1





#9
 Propene
 Concen: 9.089 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

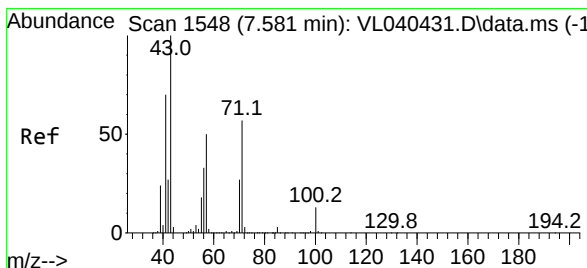
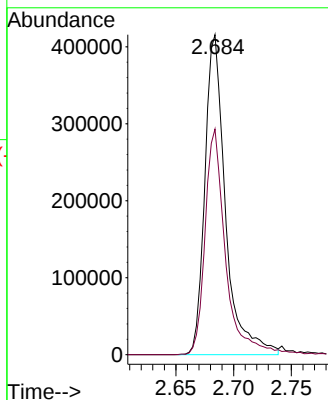
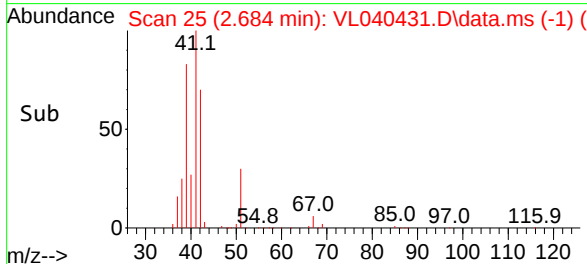
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



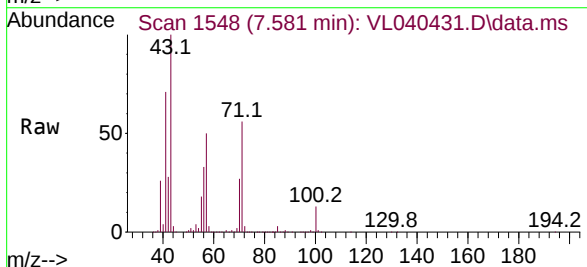
Tgt Ion: 41 Resp: 51779
 Ion Ratio Lower Upper
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 42 70.7 56.5 84.7

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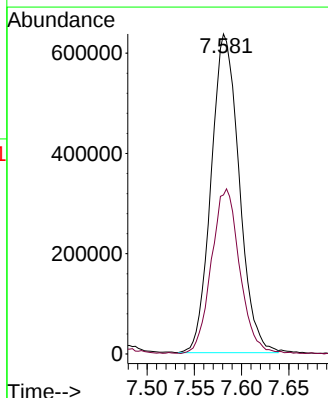
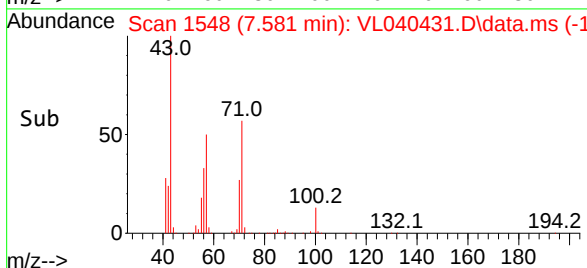
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

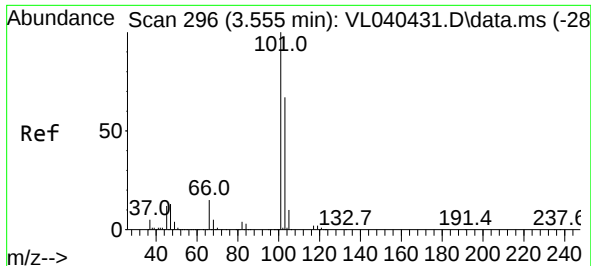


#10
 Heptane
 Concen: 10.132 ppbv
 RT: 7.581 min Scan# 1548
 Delta R.T. -0.000 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34



Tgt Ion: 43 Resp: 1311800
 Ion Ratio Lower Upper
 43 100
 57 52.7 42.2 63.4





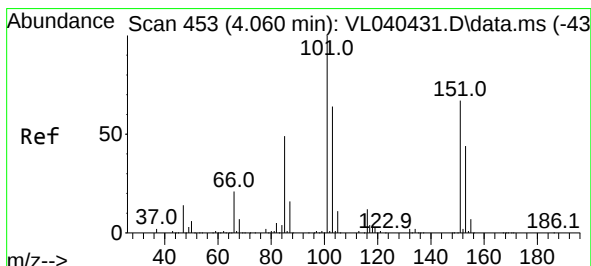
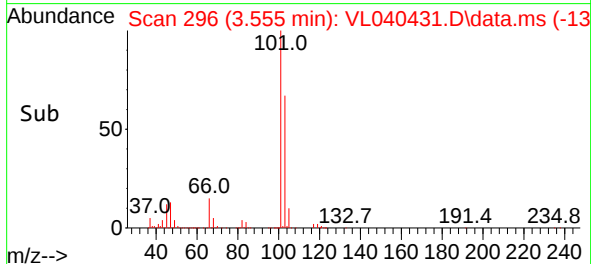
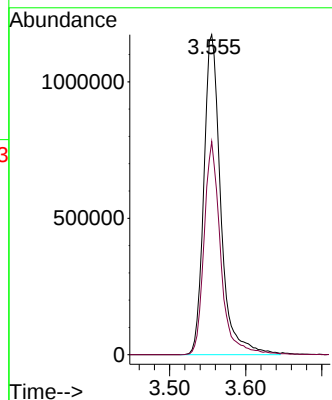
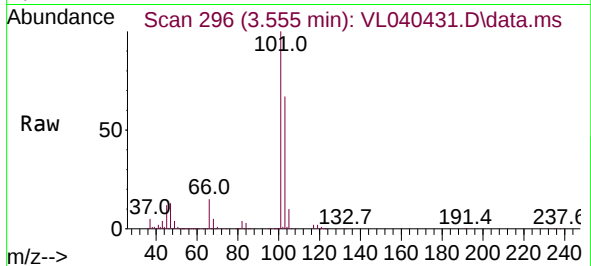
#11
Trichlorofluoromethane
Concen: 9.022 ppbv
RT: 3.555 min Scan# 296
Delta R.T. 0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 1817215
Ion Ratio Lower Upper
101 100
103 66.6 52.2 78.4

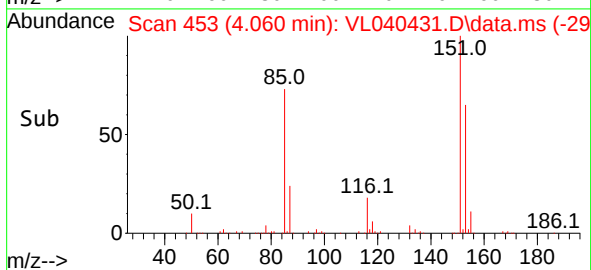
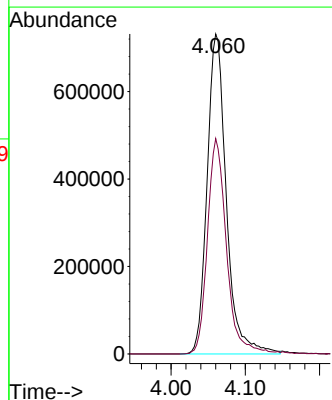
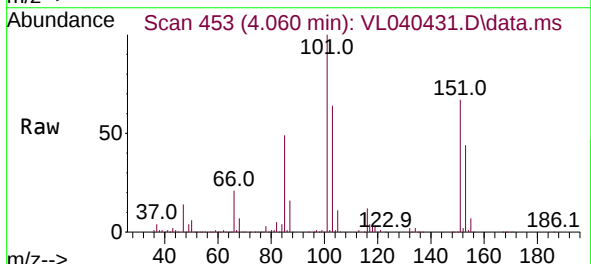
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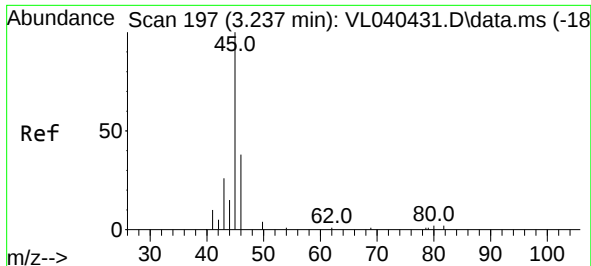
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.318 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion:101 Resp: 1312696
Ion Ratio Lower Upper
101 100
151 67.2 54.7 82.1





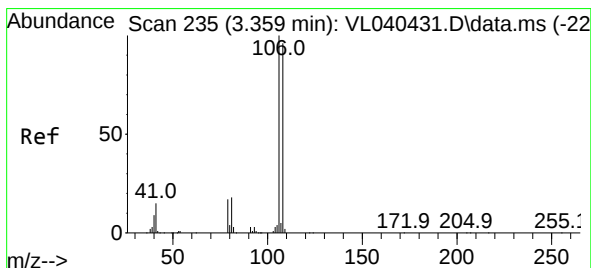
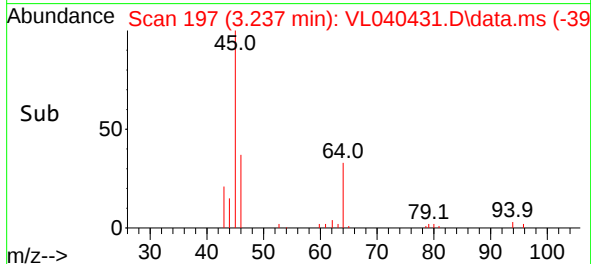
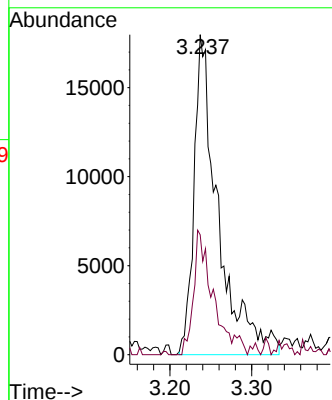
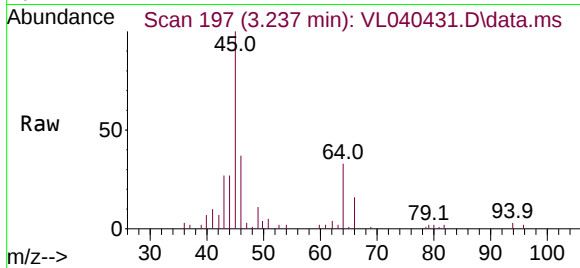
#13
Ethanol
Concen: 7.721 ppbv m
RT: 3.237 min Scan# 197
Delta R.T. 0.007 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 36719
Ion Ratio Lower Upper
45 100
46 33.0 15.3 61.3

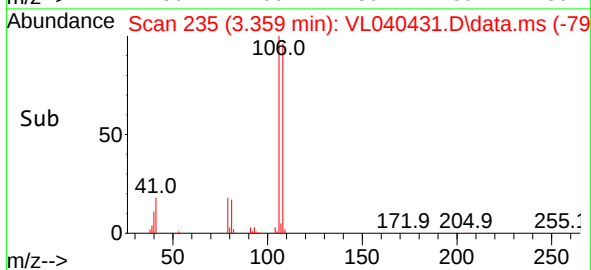
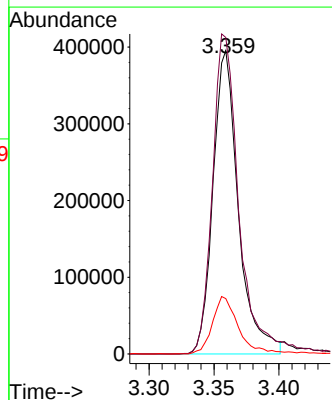
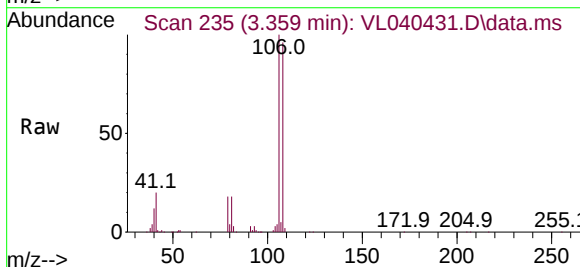
Manual Integrations
APPROVED

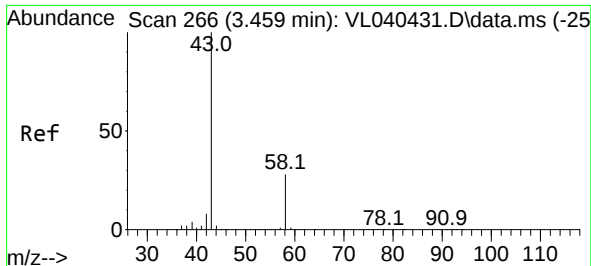
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#14
Bromoethene
Concen: 9.330 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion:108 Resp: 537434
Ion Ratio Lower Upper
108 100
106 111.9 88.3 132.5
79 20.1 16.1 24.1





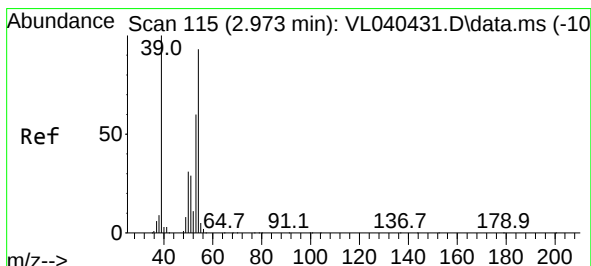
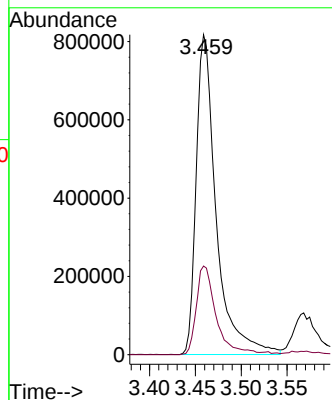
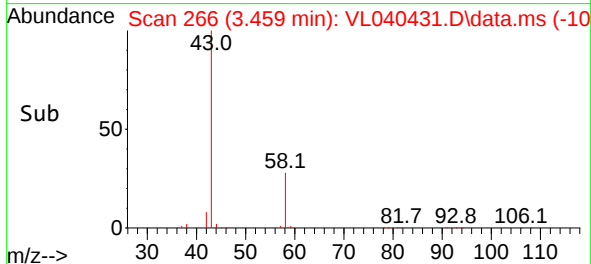
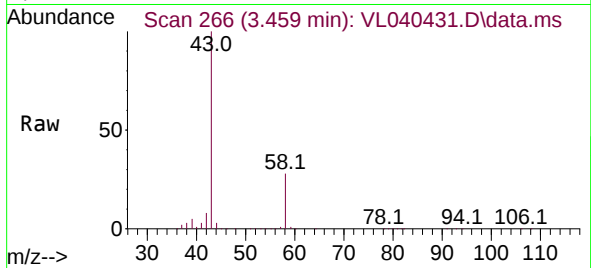
#15
Acetone
Concen: 7.944 ppbv
RT: 3.459 min Scan# 20
Delta R.T. 0.004 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1241649
Ion Ratio Lower Upper
43 100
58 27.8 22.2 33.2

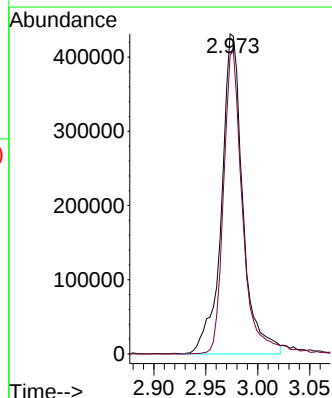
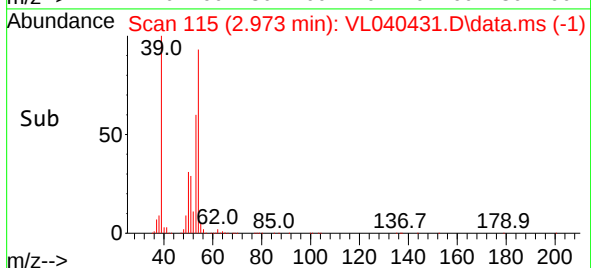
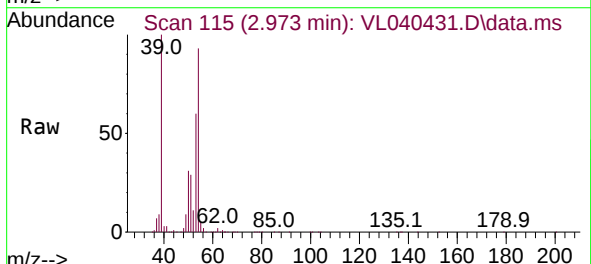
Manual Integrations
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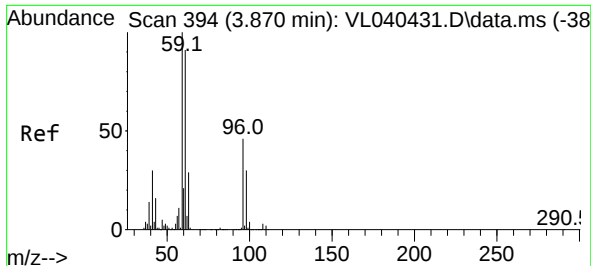
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#16
1,3-Butadiene
Concen: 9.552 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 39 Resp: 617831
Ion Ratio Lower Upper
39 100
54 86.1 68.8 103.2





#17

tert-Butyl alcohol

Concen: 9.644 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.003 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 59 Resp: 138423

Ion Ratio Lower Upper

59 100

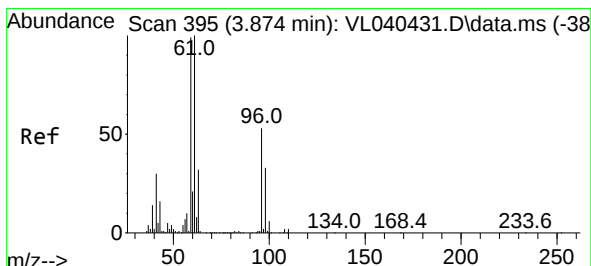
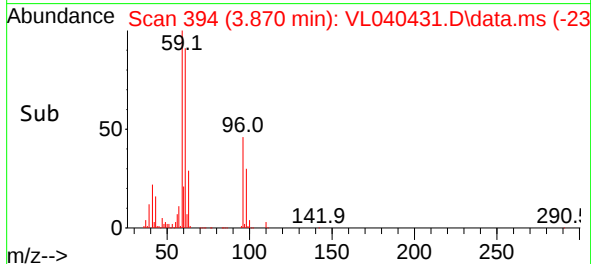
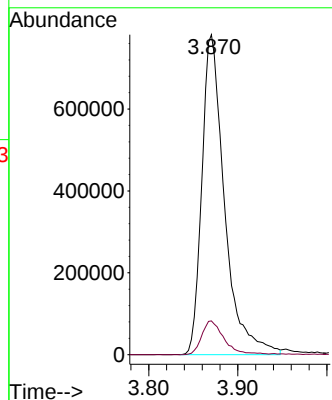
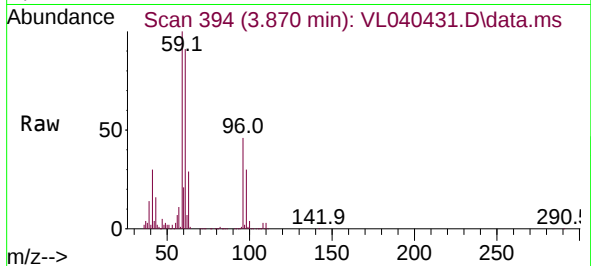
57 10.7 8.5 12.7

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: 9.407 ppbv

RT: 3.874 min Scan# 395

Delta R.T. 0.004 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

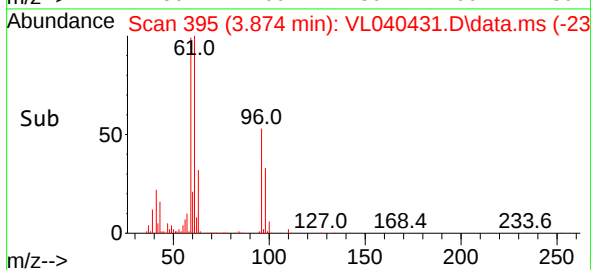
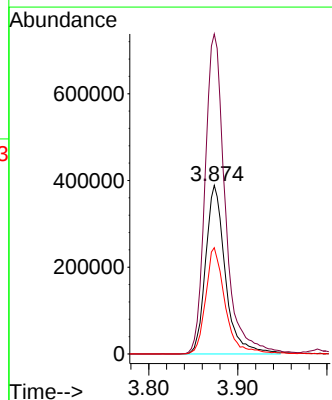
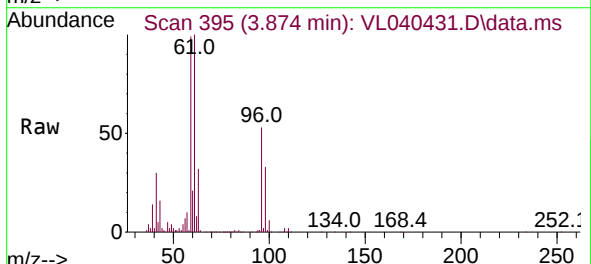
Tgt Ion: 96 Resp: 597703

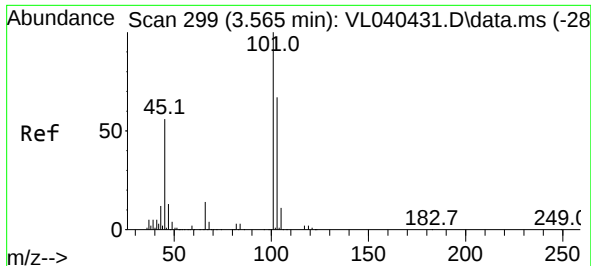
Ion Ratio Lower Upper

96 100

61 189.8 148.3 222.5

98 63.1 49.8 74.8





#19

Isopropyl Alcohol

Concen: 9.383 ppbv

RT: 3.565 min Scan# 299

Delta R.T. -0.000 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 45 Resp: 669162

Ion Ratio Lower Upper

45 100

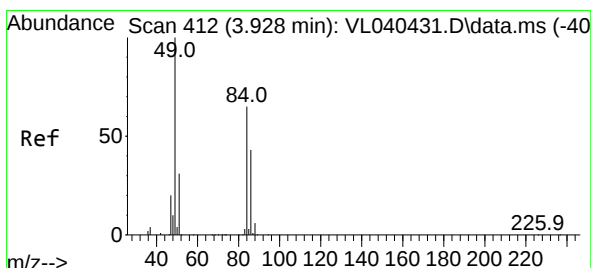
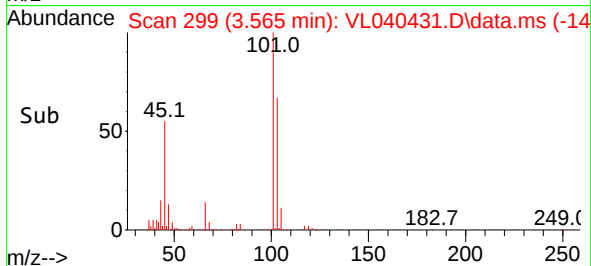
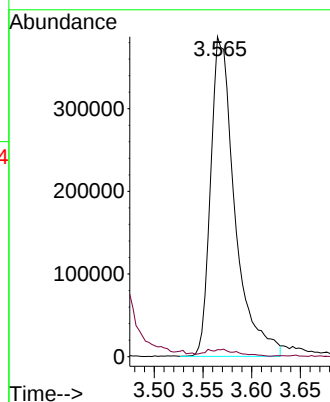
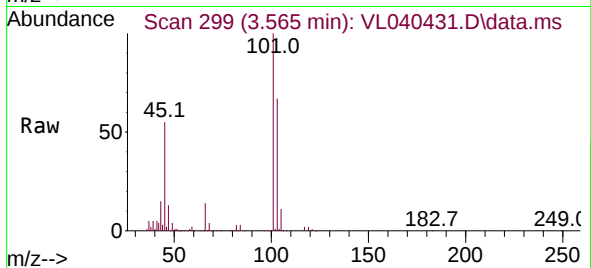
58 2.6 2.6 4.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#20

Methylene Chloride

Concen: 7.848 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.003 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Tgt Ion: 84 Resp: 489727

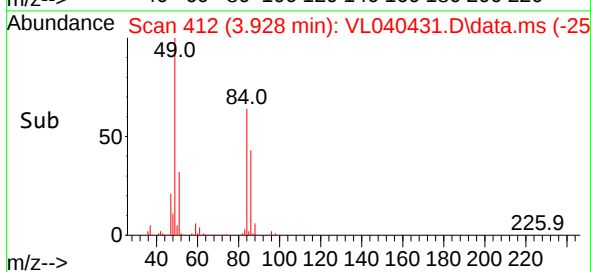
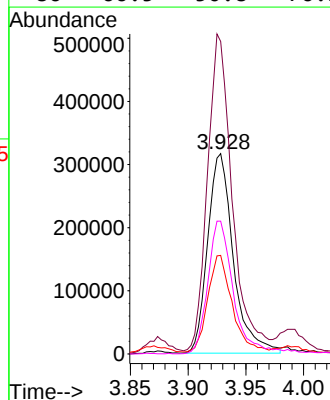
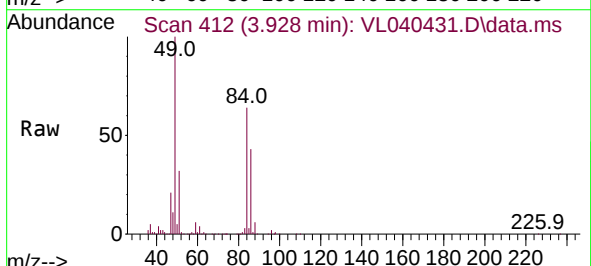
Ion Ratio Lower Upper

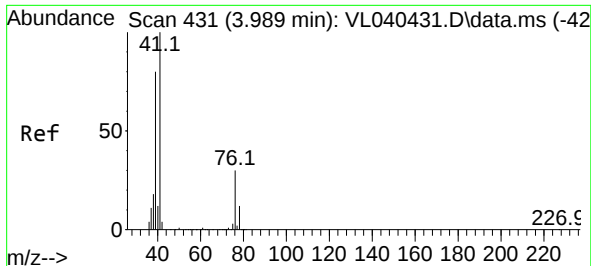
84 100

49 154.6 120.1 180.1

51 48.2 36.3 54.5

86 66.5 50.8 76.2





#21

Allyl Chloride

Concen: 9.670 ppbv

RT: 3.989 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

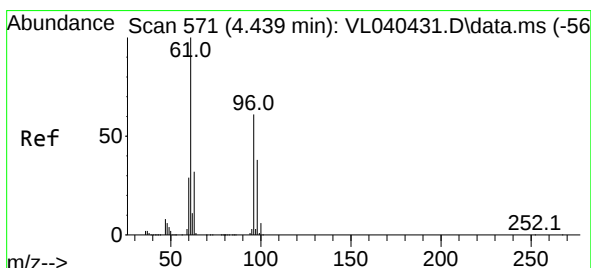
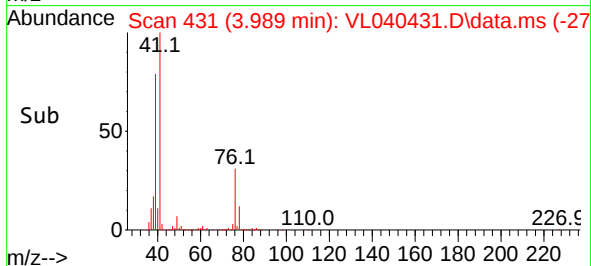
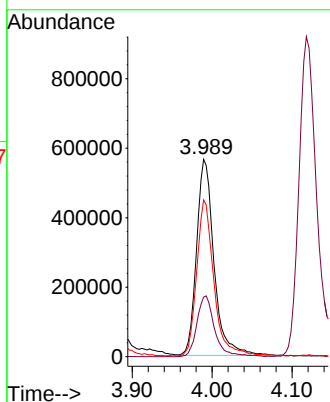
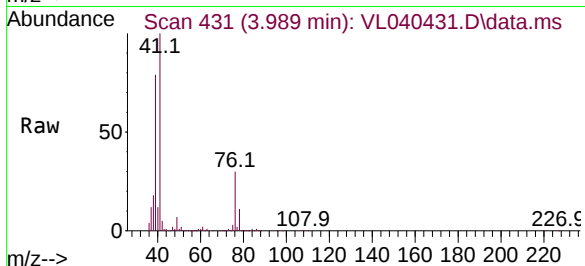
VSTDICCC010

Tgt Ion: 41	Resp: 858800
Ion Ratio	Lower Upper
41	100
76	31.6 25.5 38.3
39	79.4 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: 9.726 ppbv

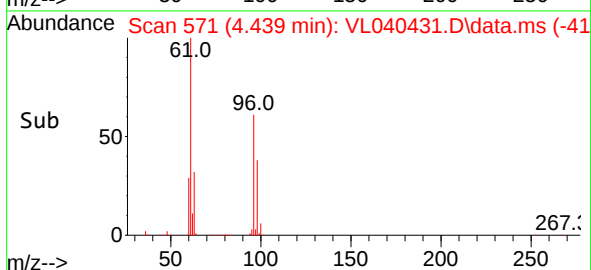
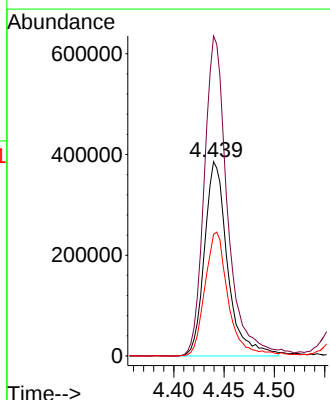
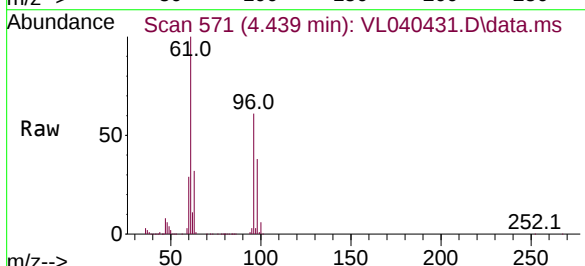
RT: 4.439 min Scan# 571

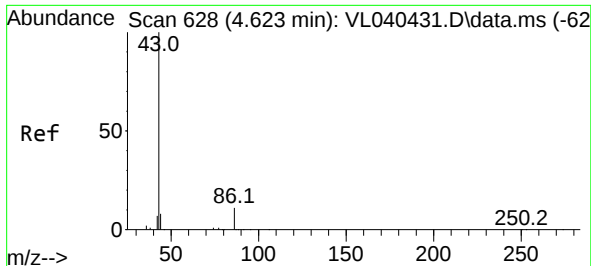
Delta R.T. 0.000 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Tgt Ion: 96	Resp: 617809
Ion Ratio	Lower Upper
96	100
61	164.7 129.4 194.2
98	62.6 51.0 76.4





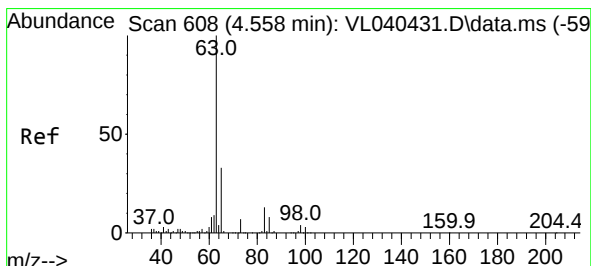
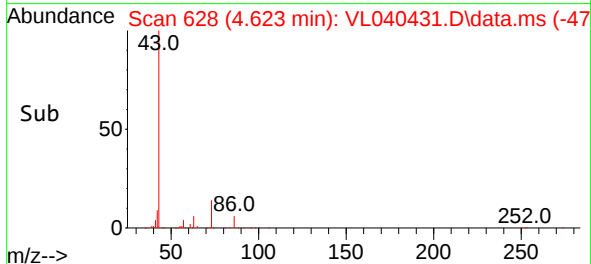
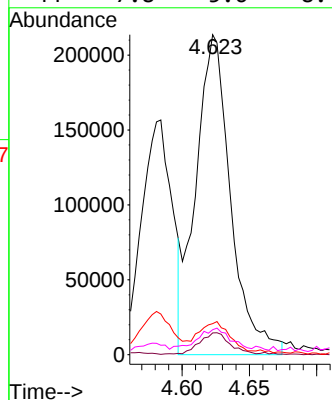
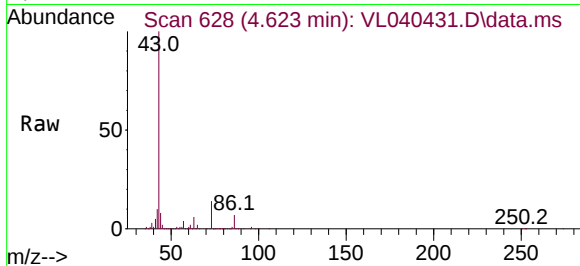
#23
 Vinyl Acetate
 Concen: 9.695 ppbv m
 RT: 4.623 min Scan# 612
 Delta R.T. 0.004 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 43	Resp: 385818
Ion Ratio	Lower Upper
43 100	
86 6.8	6.0 9.0
42 9.7	6.4 9.6
44 7.8	5.6 8.4

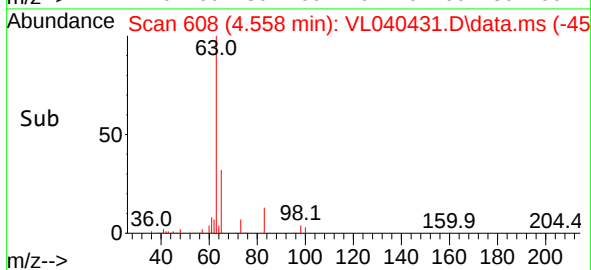
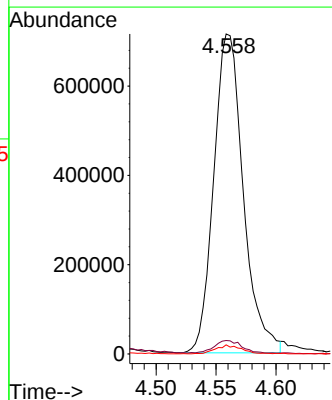
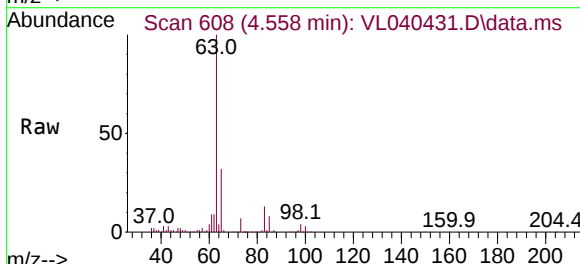
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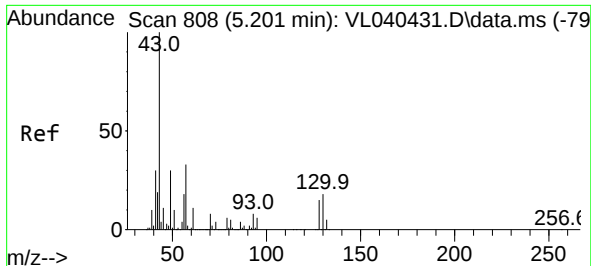
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#24
 1,1-Dichloroethane
 Concen: 9.239 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

Tgt Ion: 63		Resp: 1223612	
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.1	6.2
100	2.8	1.2	3.6





#25

Ethyl Acetate

Concen: 9.247 ppbv

RT: 5.201 min Scan# 808

Delta R.T. 0.000 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 2432129

Ion Ratio Lower Upper

43 100

45 10.8 8.5 12.7

61 10.7 8.5 12.7

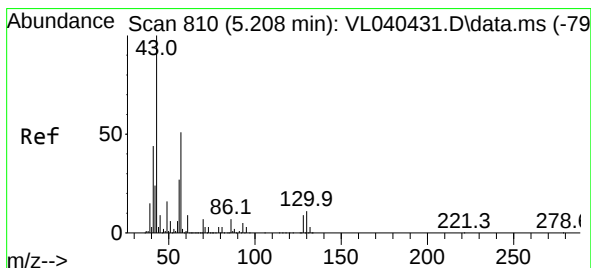
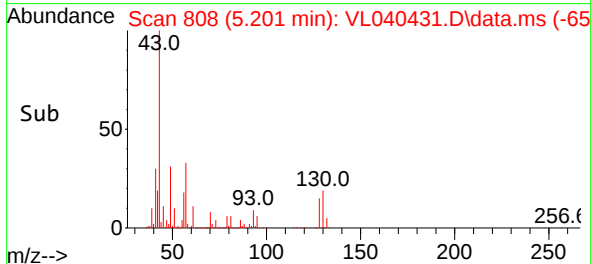
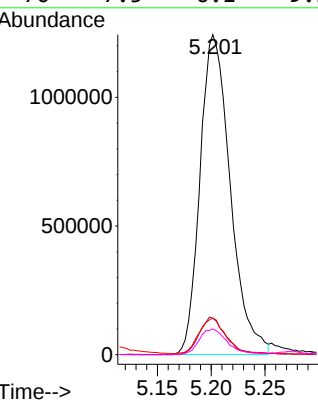
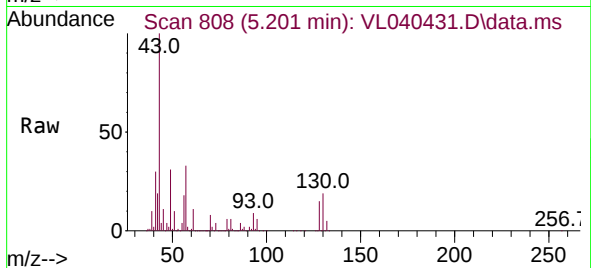
70 7.5 6.1 9.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#26

Hexane

Concen: 9.292 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.000 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Tgt Ion: 57 Resp: 1030307

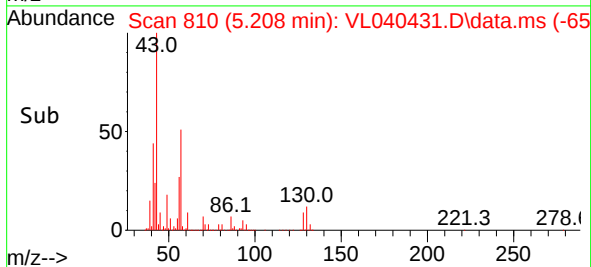
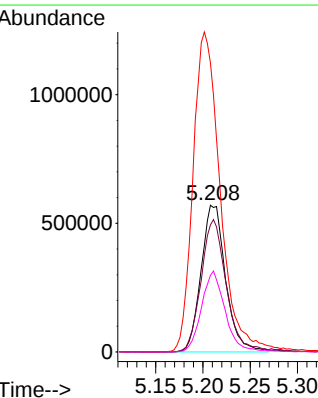
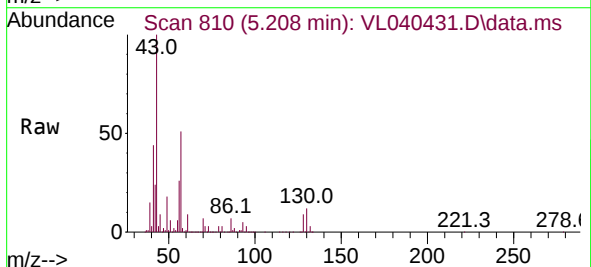
Ion Ratio Lower Upper

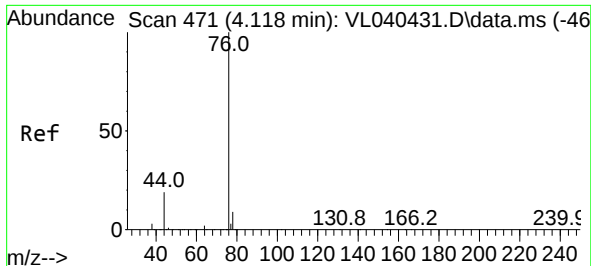
57 100

41 93.9 74.8 112.2

43 243.0 192.7 289.1

56 53.4 42.6 64.0





#27

Carbon Disulfide

Concen: 10.265 ppbv

RT: 4.118 min Scan# 471

Delta R.T. -0.000 min

Lab File: VL040431.D

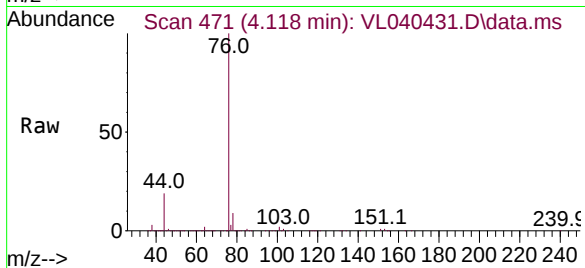
Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010



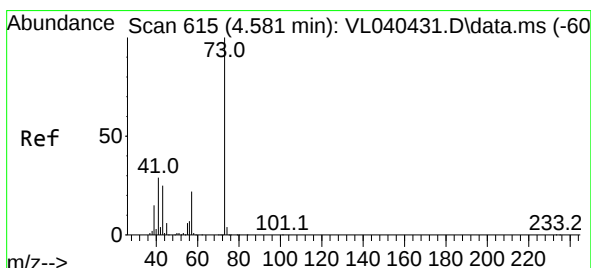
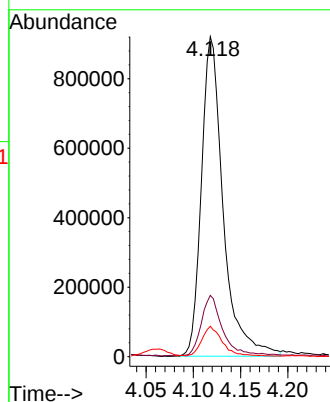
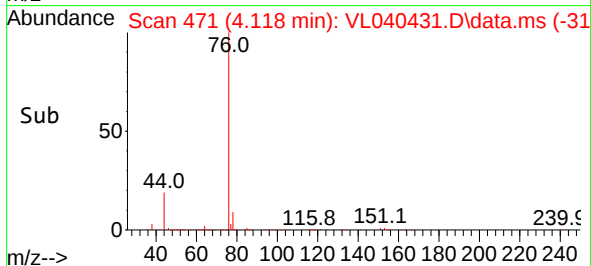
Tgt Ion: 76 Resp: 147294

Ion	Ratio	Lower	Upper
76	100		
44	19.1	14.7	22.1
78	9.3	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: 9.562 ppbv

RT: 4.581 min Scan# 615

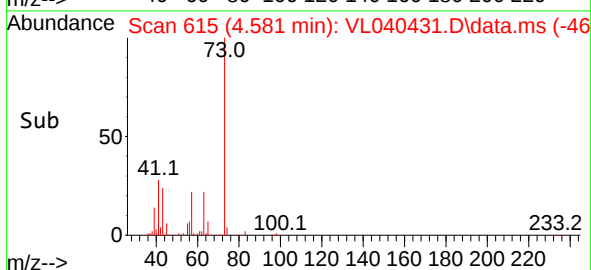
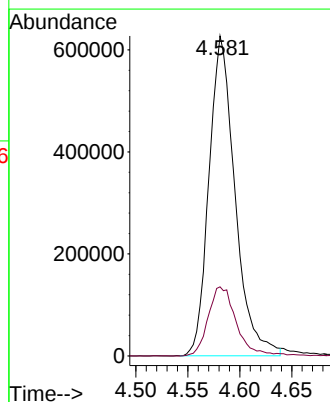
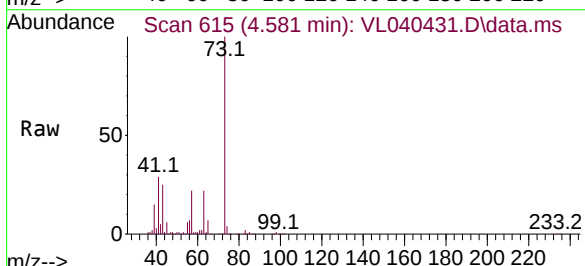
Delta R.T. -0.000 min

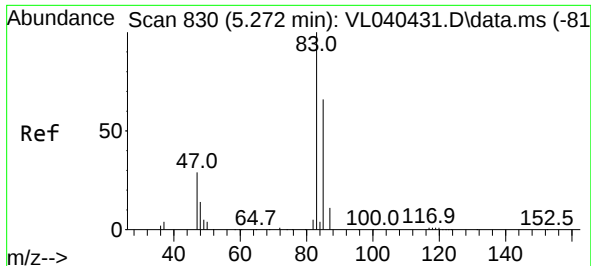
Lab File: VL040431.D

Acq: 16 May 2023 9:34

Tgt Ion: 73 Resp: 1094465

Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.6	27.8





#29

Chloroform

Concen: 9.253 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 1827639

Ion Ratio Lower Upper

83 100

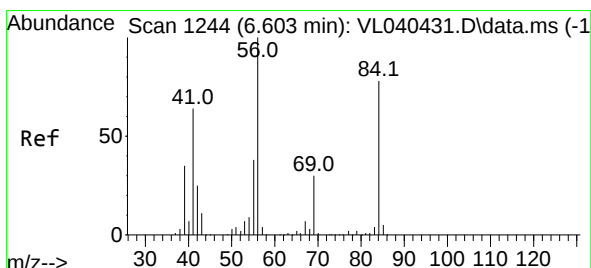
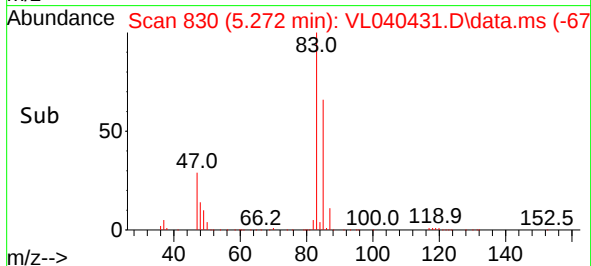
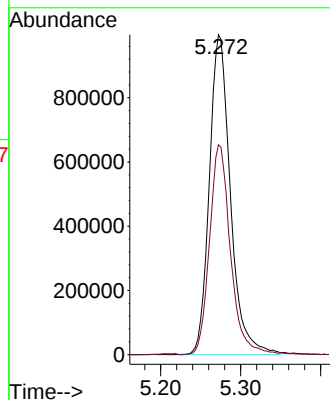
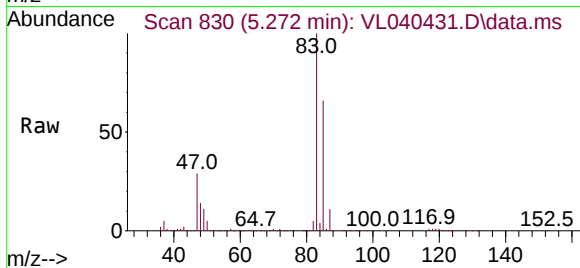
85 65.5 51.0 76.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#30

Cyclohexane

Concen: 10.142 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

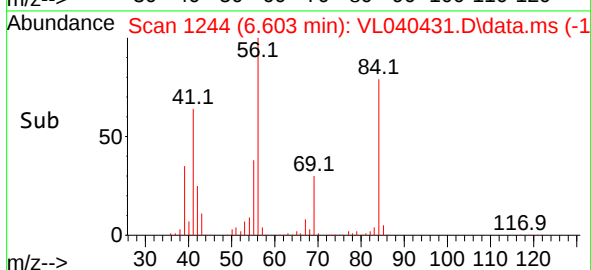
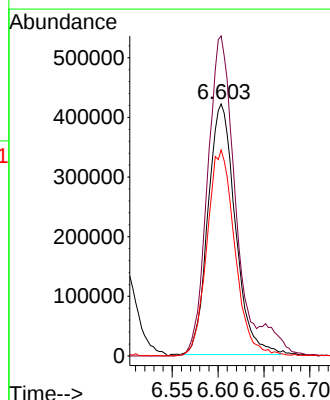
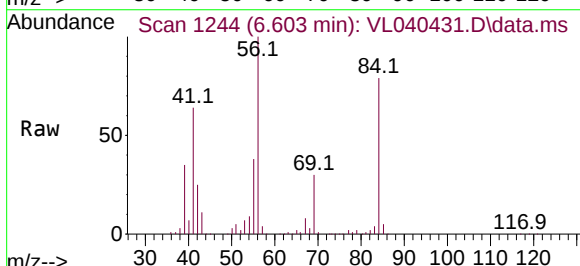
Tgt Ion: 84 Resp: 870901

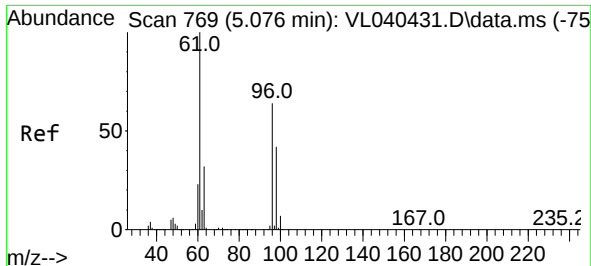
Ion Ratio Lower Upper

84 100

56 135.3 107.0 160.6

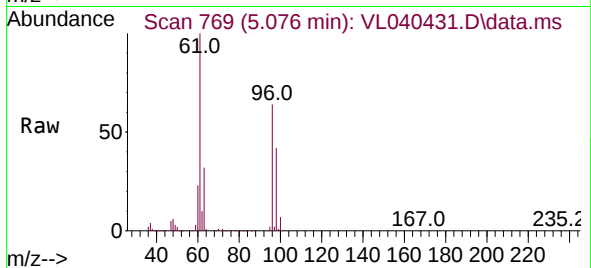
41 83.6 66.7 100.1





#31
 cis-1,2-Dichloroethene
 Concen: 9.929 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. 0.000 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

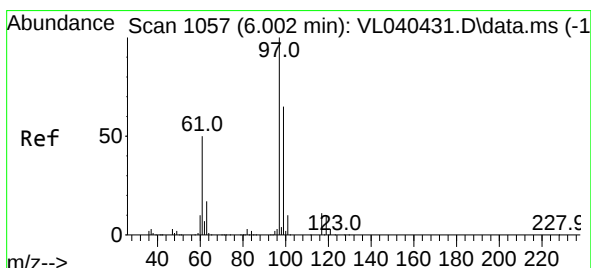
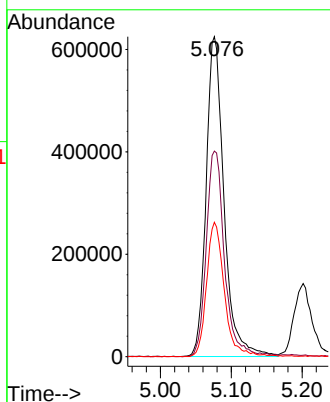
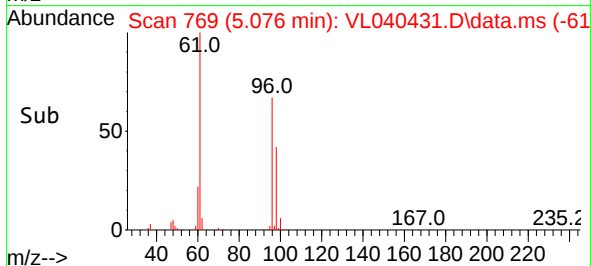
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



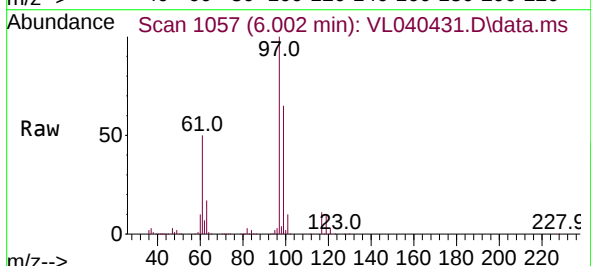
Tgt Ion: 61 Resp: 1091198
 Ion Ratio Lower Upper
 61 100
 96 64.2 53.0 79.4
 98 42.0 33.8 50.8

Manual Integrations
 APPROVED

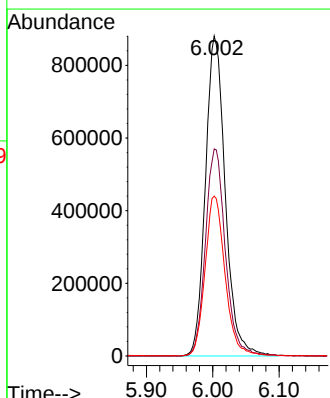
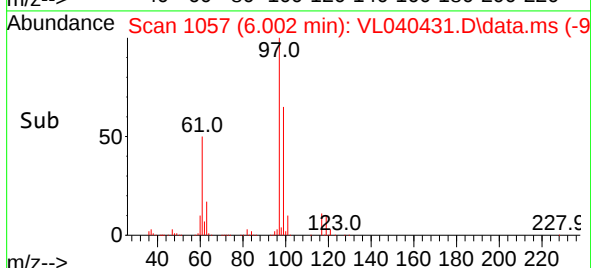
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

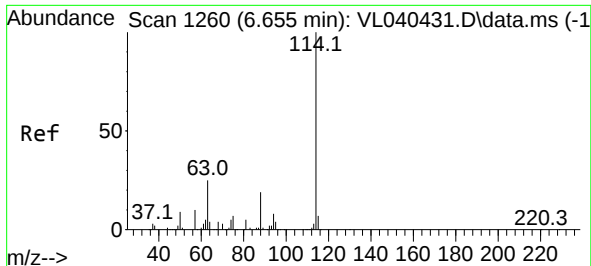


#32
 1,1,1-Trichloroethane
 Concen: 9.551 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34



Tgt Ion: 97 Resp: 1832893
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.8 77.8
 61 50.3 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:114 Resp: 276381

Ion Ratio Lower Upper

114 100

63 26.3 21.4 32.0

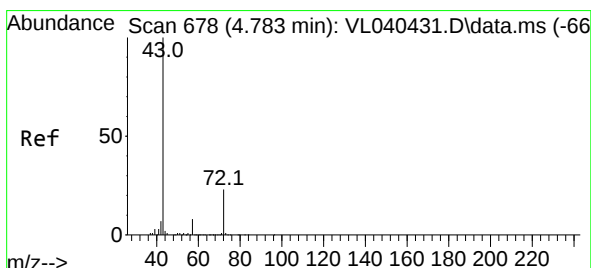
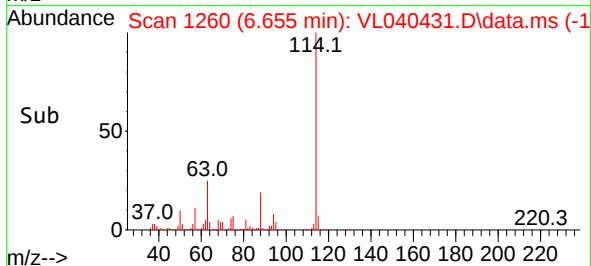
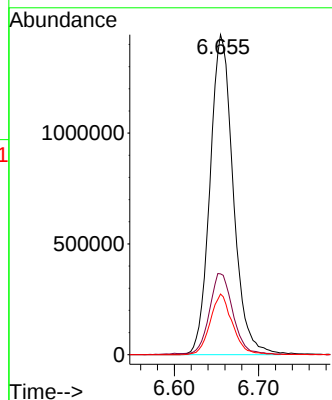
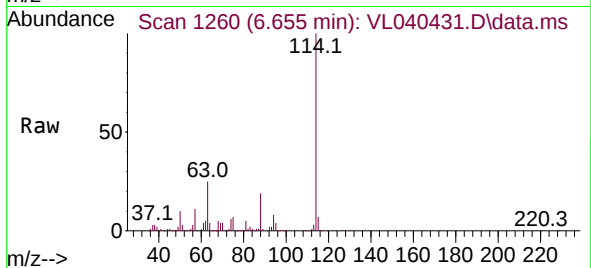
88 18.3 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#34

2-Butanone

Concen: 9.230 ppbv

RT: 4.783 min Scan# 678

Delta R.T. 0.003 min

Lab File: VL040431.D

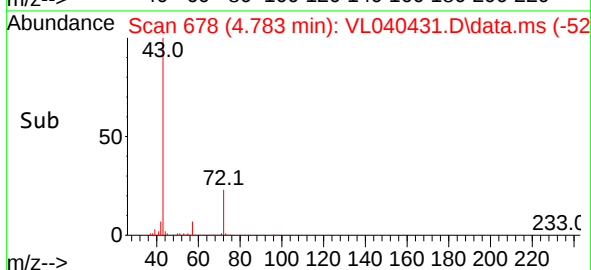
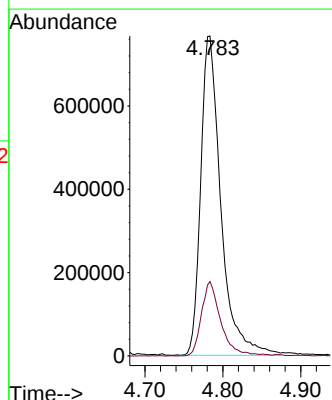
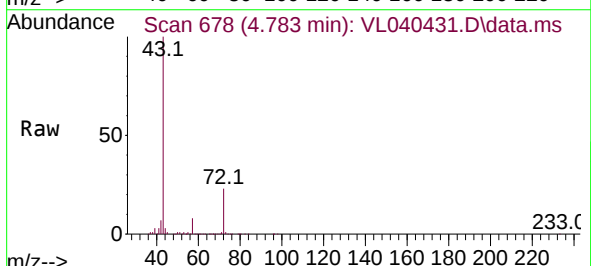
Acq: 16 May 2023 9:34

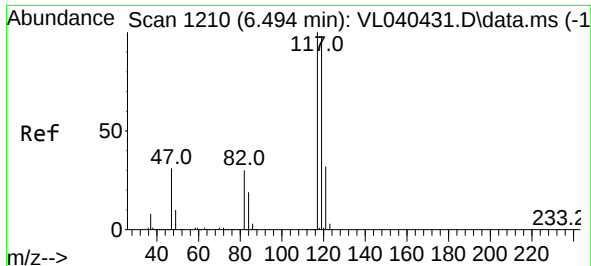
Tgt Ion: 43 Resp: 1375545

Ion Ratio Lower Upper

43 100

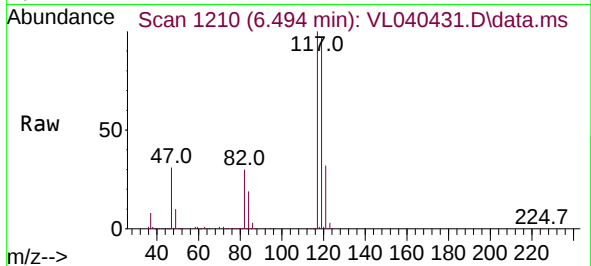
72 22.9 18.4 27.6





#35
Carbon Tetrachloride
Concen: 9.655 ppbv
RT: 6.494 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

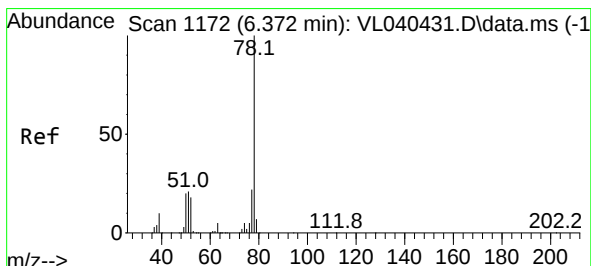
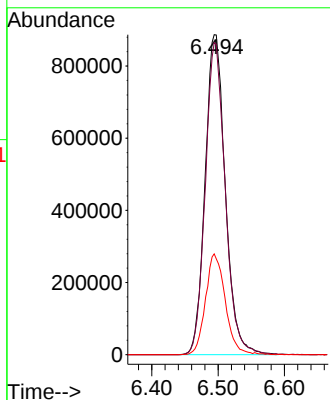
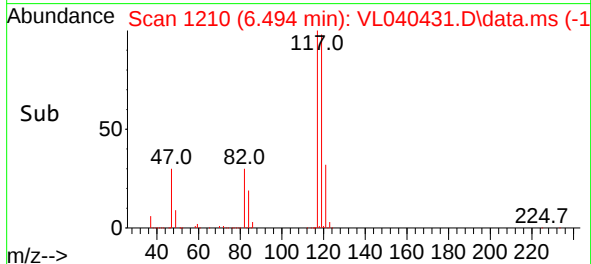
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 117 Resp: 187838
Ion Ratio Lower Upper
117 100
119 97.5 76.6 114.8
121 31.5 25.3 37.9

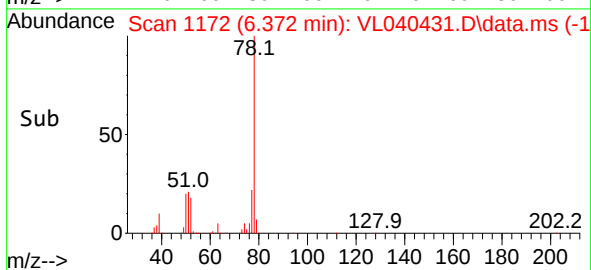
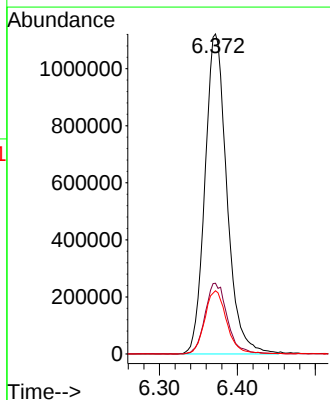
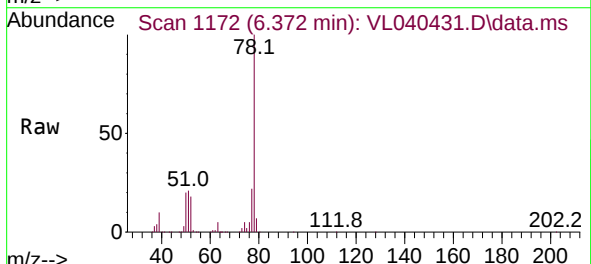
Manual Integrations
APPROVED

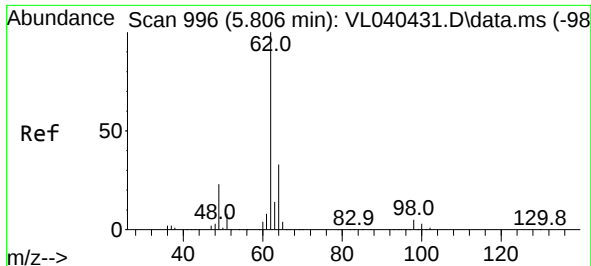
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#36
Benzene
Concen: 9.727 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 78 Resp: 2193353
Ion Ratio Lower Upper
78 100
77 22.1 17.8 26.8
50 19.8 15.6 23.4





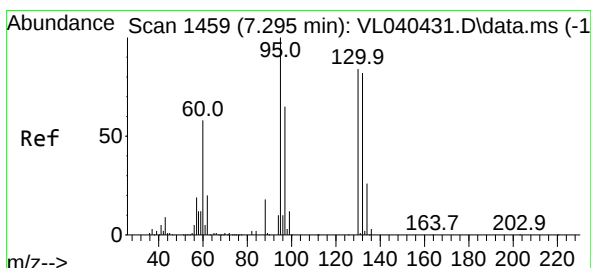
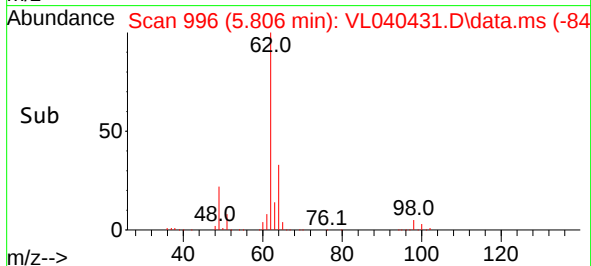
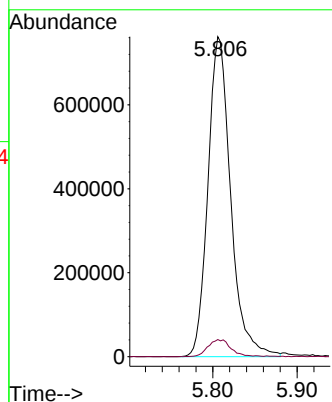
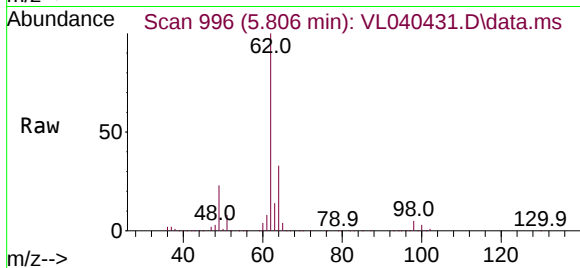
#37
1,2-Dichloroethane
Concen: 9.648 ppbv
RT: 5.806 min Scan# 996
Delta R.T. -0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 1429072
Ion Ratio Lower Upper
62 100
98 5.6 4.4 6.6

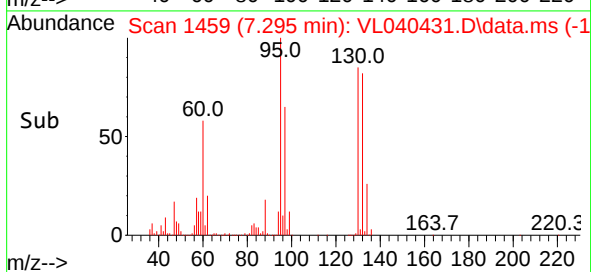
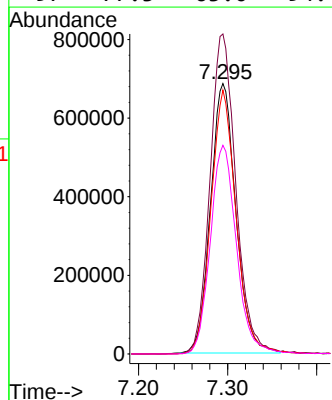
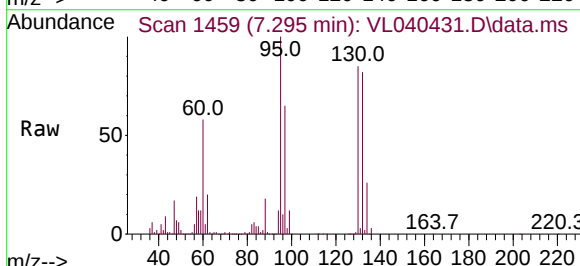
Manual Integrations
APPROVED

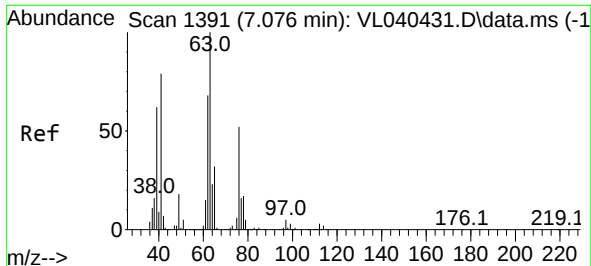
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#38
Trichloroethene
Concen: 10.589 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion:130 Resp: 1358992
Ion Ratio Lower Upper
130 100
95 118.5 97.4 146.0
132 97.8 77.5 116.3
97 77.3 63.0 94.4





#39

1,2-Dichloropropane

Concen: 9.544 ppbv

RT: 7.076 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

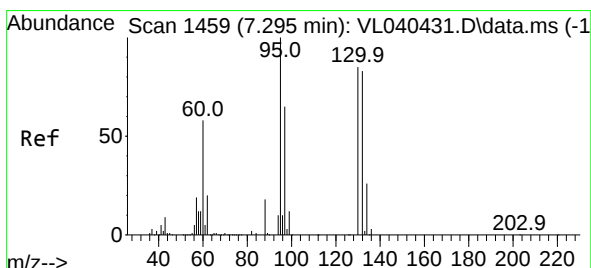
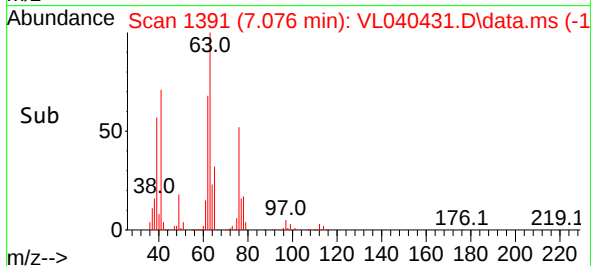
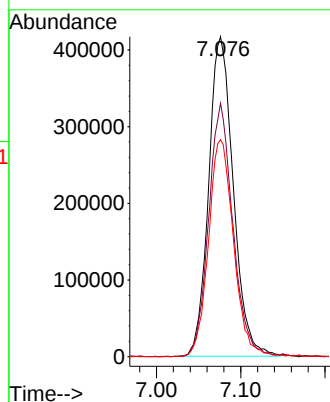
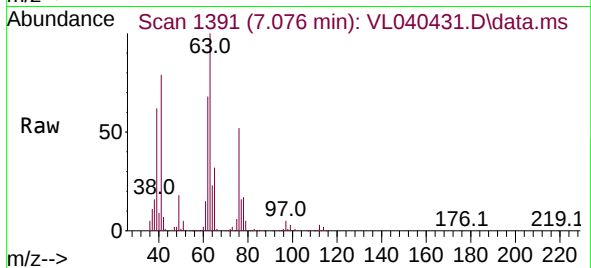
Tgt Ion: 63 Resp: 846798

Ion	Ratio	Lower	Upper
63	100		
41	79.1	59.6	89.4
62	67.8	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: 9.111 ppbv

RT: 7.295 min Scan# 1459

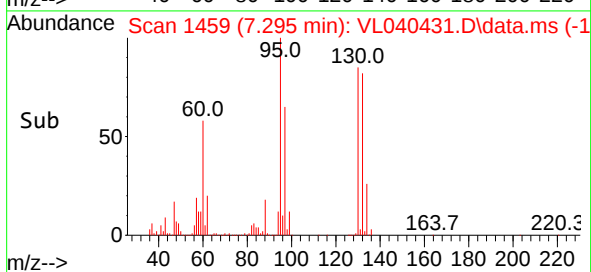
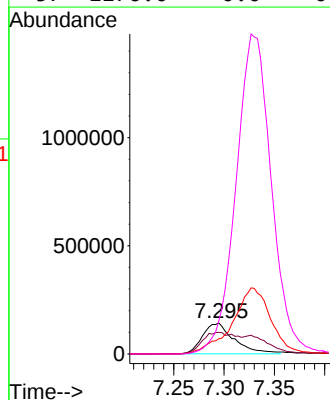
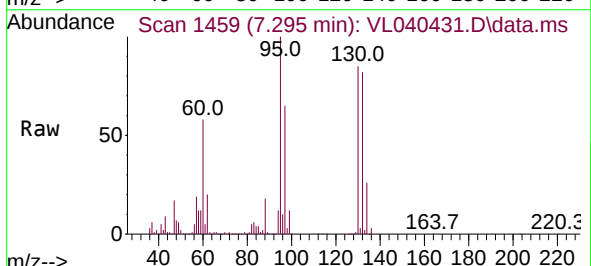
Delta R.T. 0.004 min

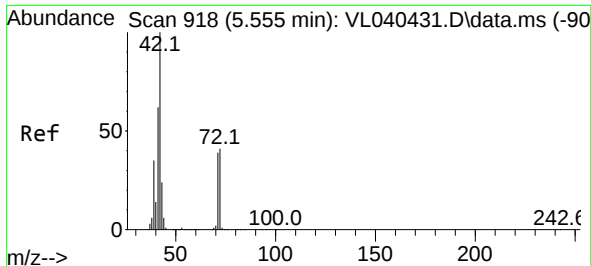
Lab File: VL040431.D

Acq: 16 May 2023 9:34

Tgt Ion: 88 Resp: 309610

Ion	Ratio	Lower	Upper
88	100		
58	126.9	100.8	151.2
43	264.6	0.0	0.0#
57	1176.0	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.174 ppbv

RT: 5.555 min Scan# 918

Delta R.T. 0.000 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

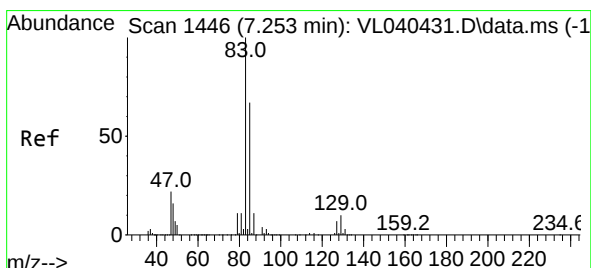
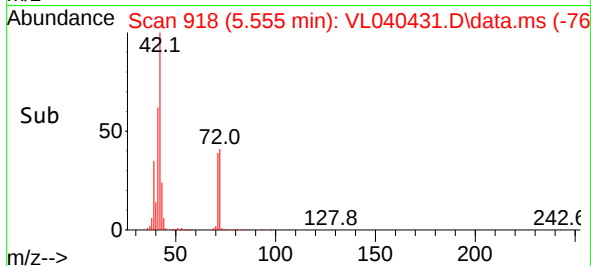
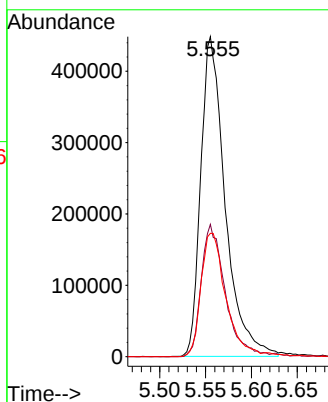
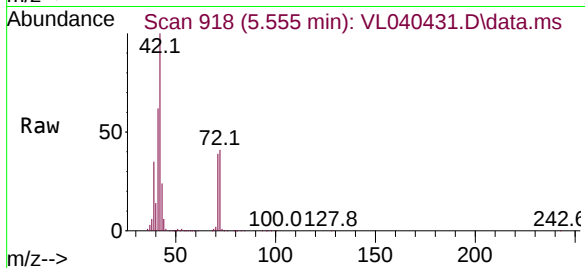
Tgt Ion: 42 Resp: 830420

Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.7	50.5
71	40.2	32.2	48.2

Manual Integrations

APPROVED

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



#42

Bromodichloromethane

Concen: 9.871 ppbv

RT: 7.253 min Scan# 1446

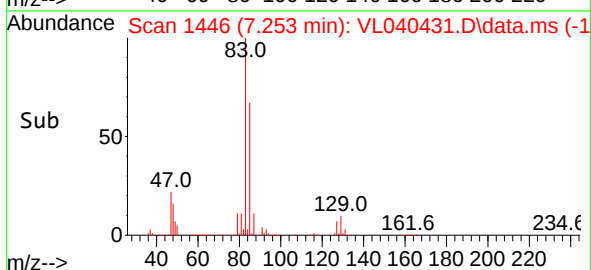
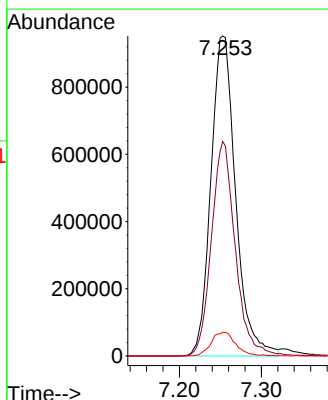
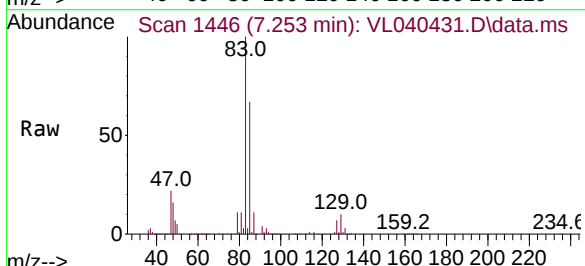
Delta R.T. -0.000 min

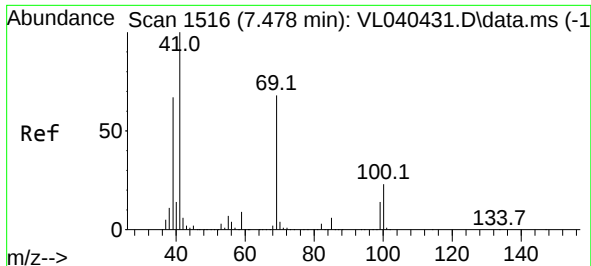
Lab File: VL040431.D

Acq: 16 May 2023 9:34

Tgt Ion: 83 Resp: 1996722

Ion	Ratio	Lower	Upper
83	100		
85	67.0	50.9	76.3
127	7.4	6.4	9.6





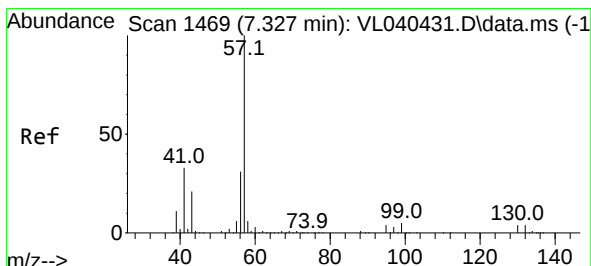
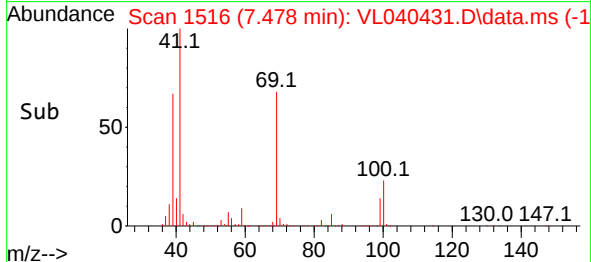
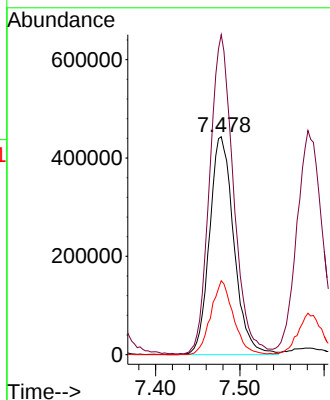
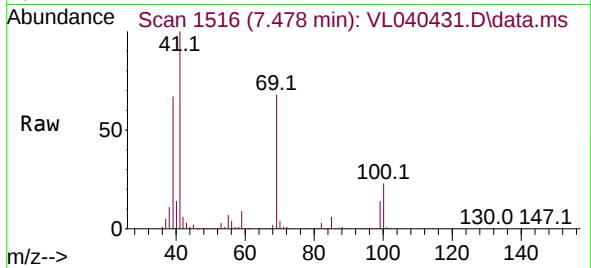
#43
Methyl Methacrylate
Concen: 10.624 ppbv
RT: 7.478 min Scan# 1516
Delta R.T. 0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 889795
Ion Ratio Lower Upper
69 100
41 143.5 114.3 171.5
100 31.7 24.5 36.7

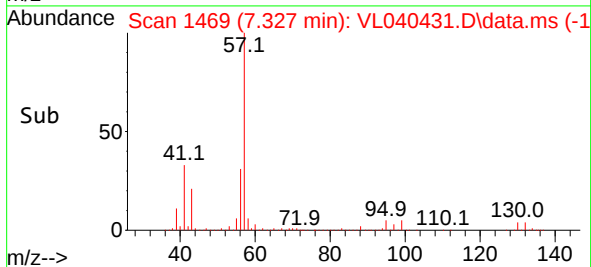
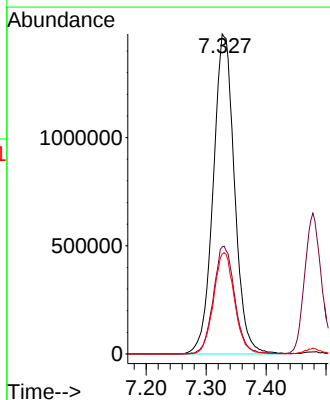
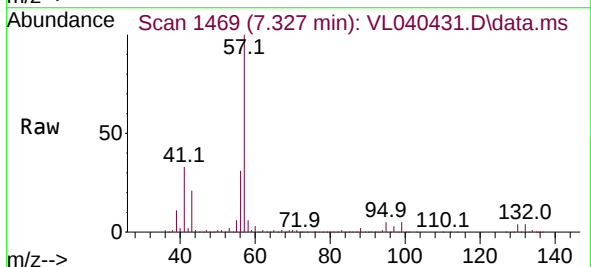
Manual Integrations
APPROVED

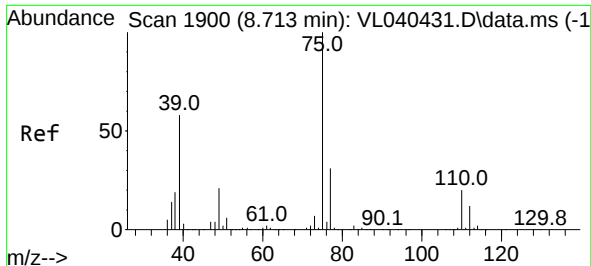
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#44
2,2,4-Trimethylpentane
Concen: 9.659 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. -0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 57 Resp: 3637906
Ion Ratio Lower Upper
57 100
41 33.7 26.9 40.3
56 31.2 25.1 37.7





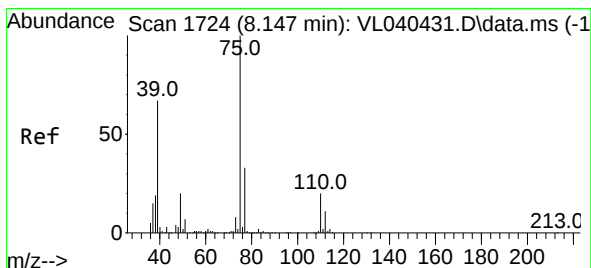
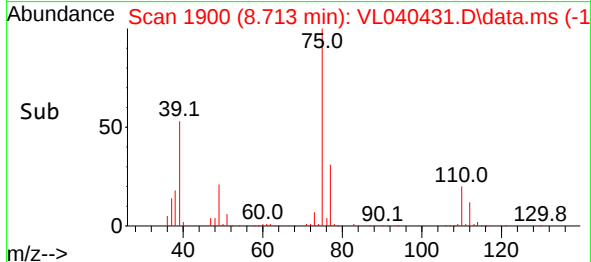
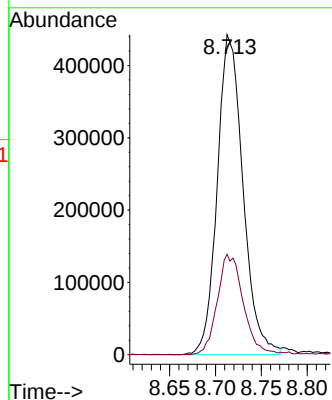
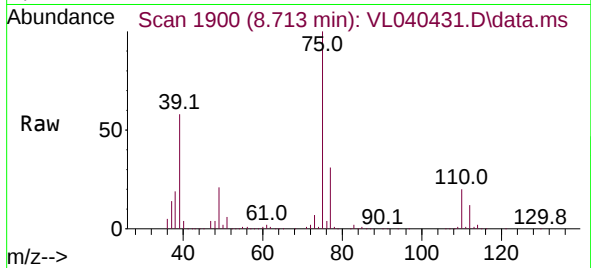
#45
 t-1,3-Dichloropropene
 Concen: 11.554 ppbv
 RT: 8.713 min Scan# 1900
 Delta R.T. -0.003 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 75 Resp: 86436
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.8 40.2

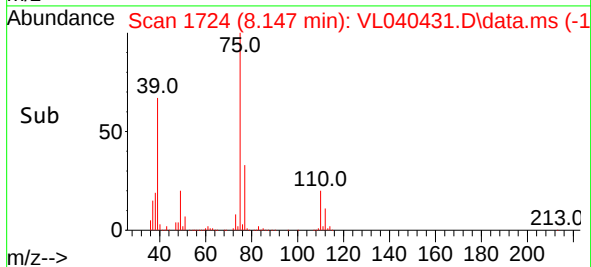
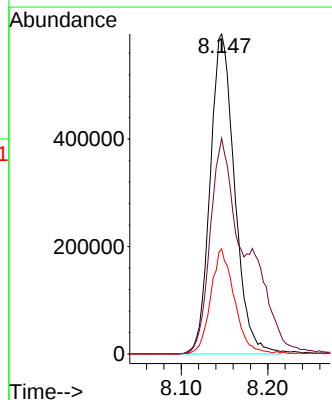
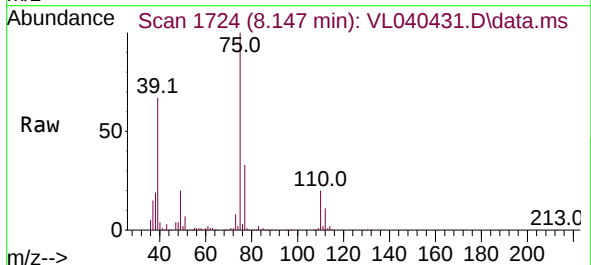
Manual Integrations
 APPROVED

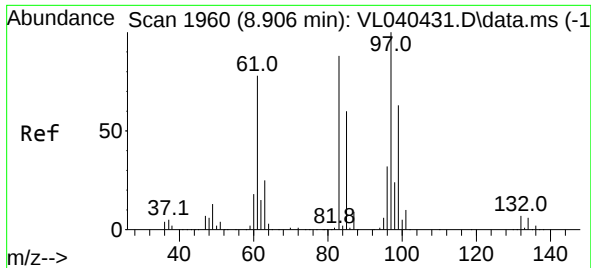
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#46
 cis-1,3-Dichloropropene
 Concen: 11.212 ppbv
 RT: 8.147 min Scan# 1724
 Delta R.T. -0.000 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

Tgt Ion: 75 Resp: 1167464
 Ion Ratio Lower Upper
 75 100
 39 67.3 53.4 80.2
 77 32.9 24.7 37.1





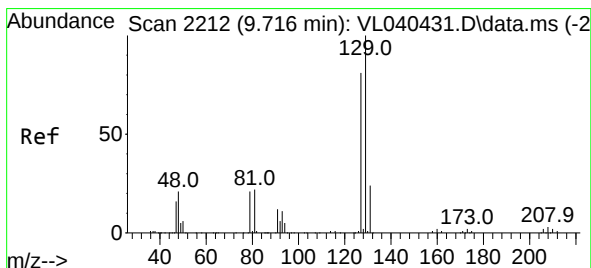
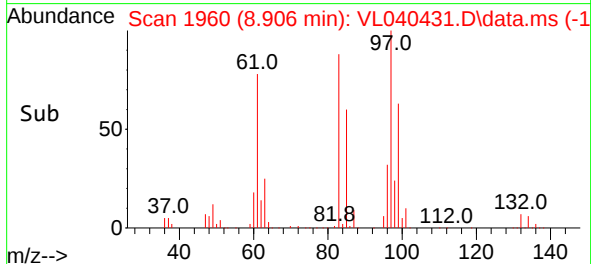
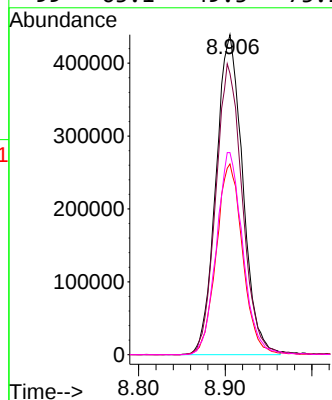
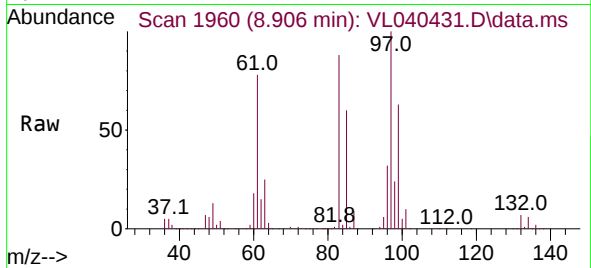
#47
1,1,2-Trichloroethane
Concen: 9.668 ppbv
RT: 8.906 min Scan# 1960
Delta R.T. 0.001 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 94054
Ion Ratio Lower Upper
97 100
83 87.9 73.3 109.9
85 59.6 46.9 70.3
99 63.1 49.3 73.9

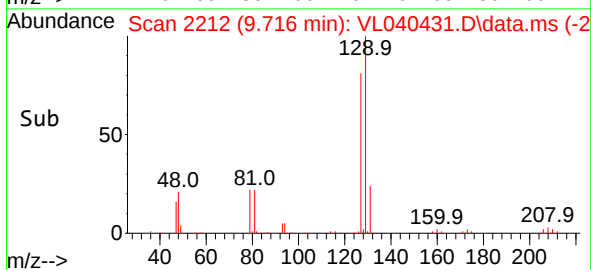
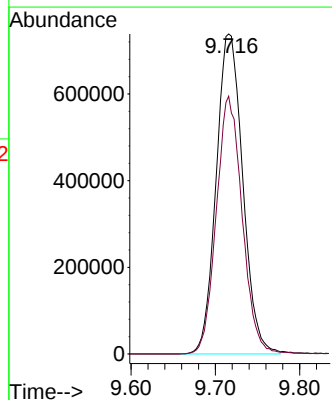
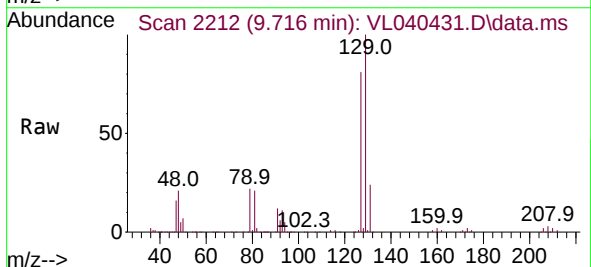
Manual Integrations
APPROVED

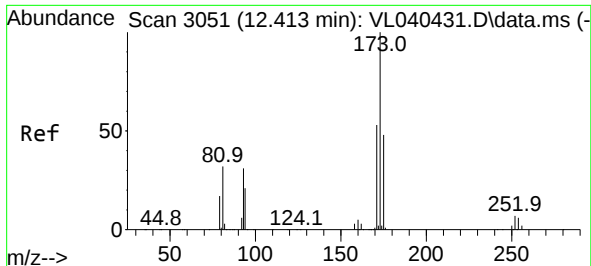
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#48
Dibromochloromethane
Concen: 10.321 ppbv
RT: 9.716 min Scan# 2212
Delta R.T. -0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

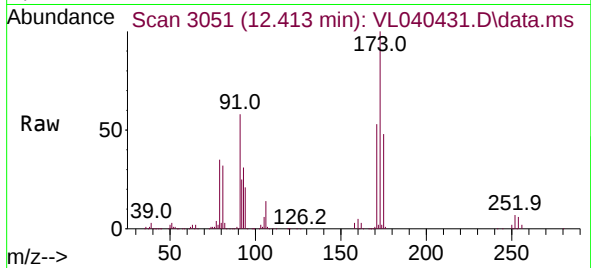
Tgt Ion:129 Resp: 1616958
Ion Ratio Lower Upper
129 100
127 78.4 39.2 117.6





#49
Bromoform
Concen: 10.749 ppbv
RT: 12.413 min Scan# 3051
Delta R.T. -0.004 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

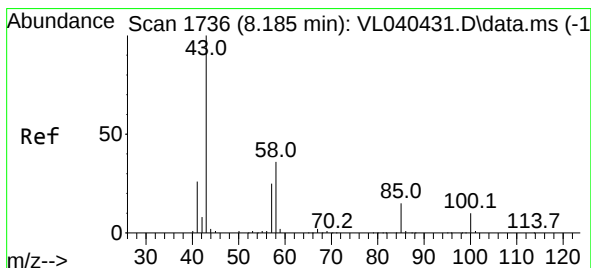
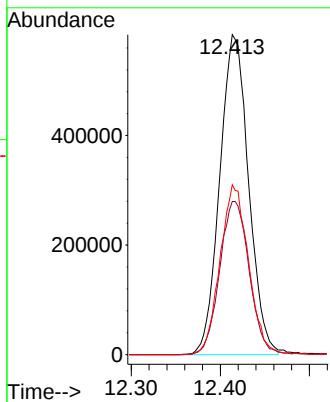
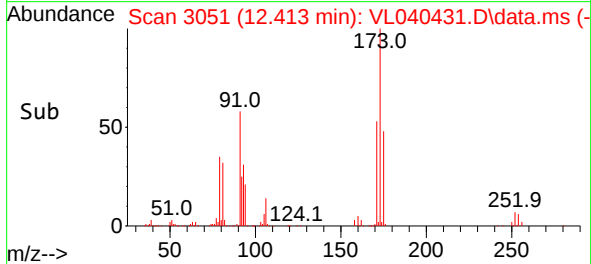
Instrument : MSVOA_L
ClientSampleId : VSTDICCC010



Tgt Ion: 173 Resp: 1313440
Ion Ratio Lower Upper
173 100
175 49.3 39.8 59.8
171 52.5 42.2 63.2

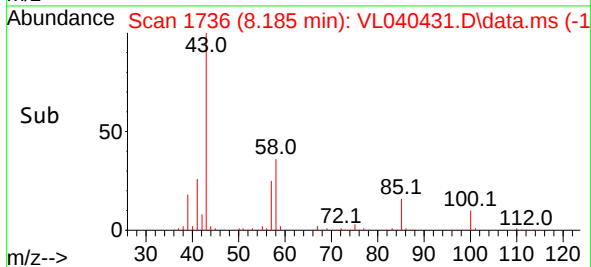
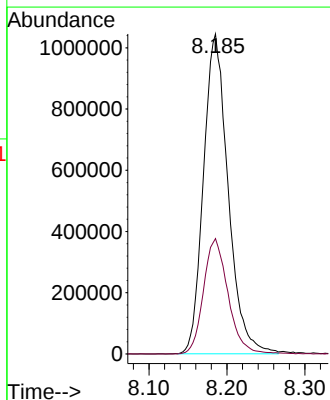
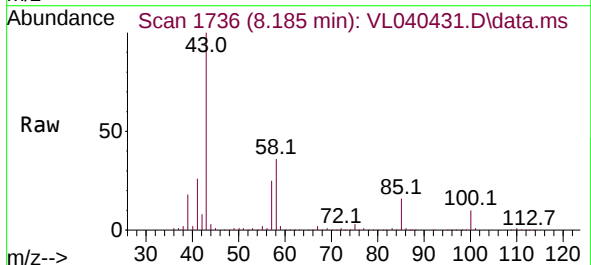
Manual Integrations
APPROVED

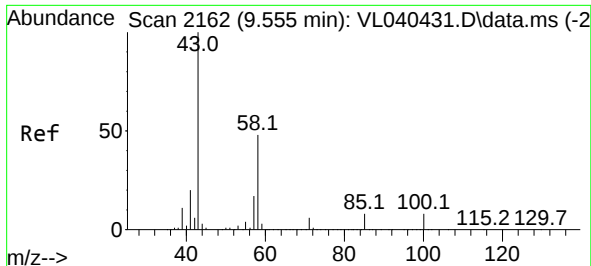
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#50
4-Methyl-2-Pentanone
Concen: 10.177 ppbv
RT: 8.185 min Scan# 1736
Delta R.T. 0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 43 Resp: 2299601
Ion Ratio Lower Upper
43 100
58 36.0 28.6 43.0





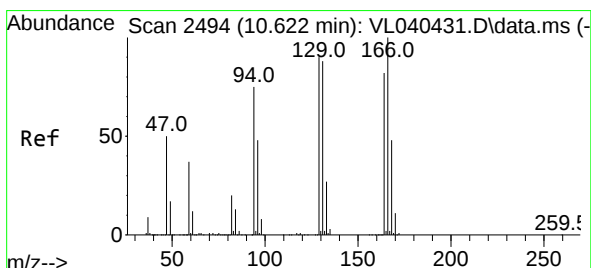
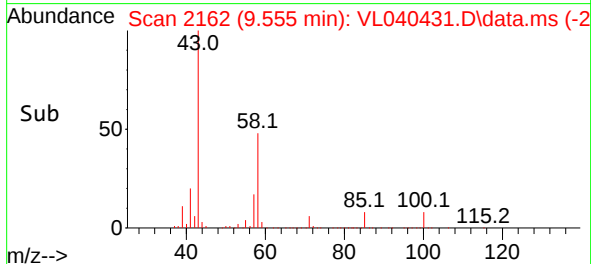
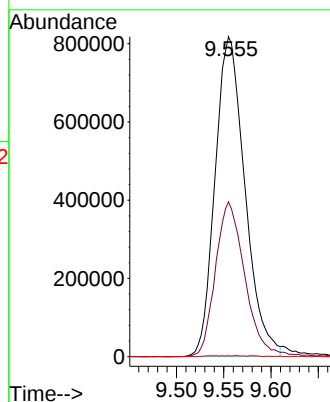
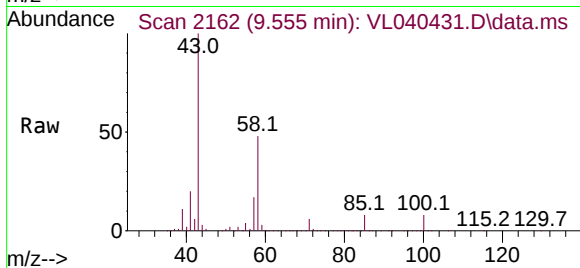
#51
2-Hexanone
Concen: 10.742 ppbv
RT: 9.555 min Scan# 2162
Delta R.T. -0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 179371
Ion Ratio Lower Upper
43 100
58 48.1 38.3 57.5
98 0.3 0.4 0.6

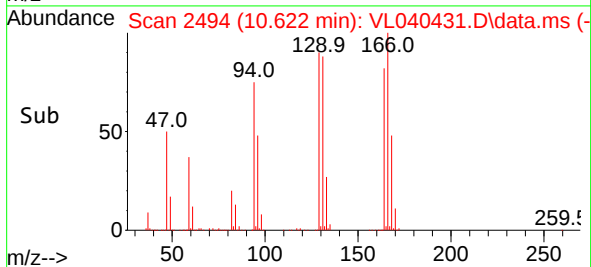
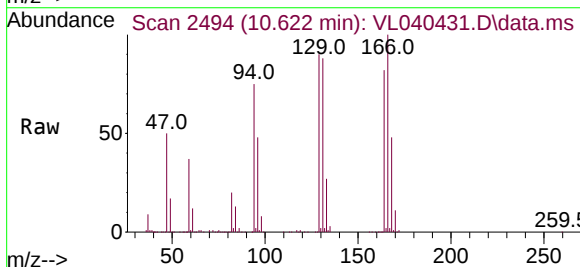
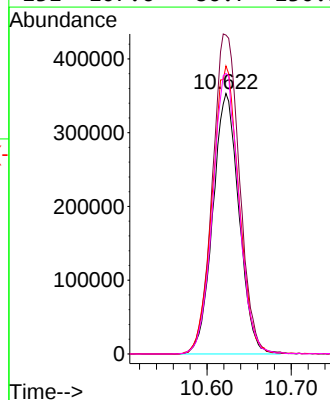
Manual Integrations
APPROVED

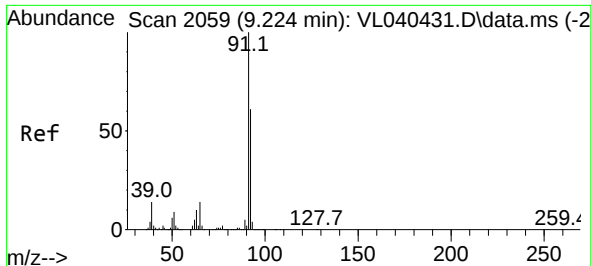
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#52
Tetrachloroethene
Concen: 10.738 ppbv
RT: 10.622 min Scan# 2494
Delta R.T. 0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

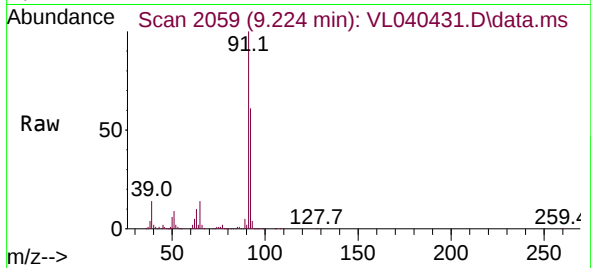
Tgt Ion:164 Resp: 757403
Ion Ratio Lower Upper
164 100
166 122.2 105.2 157.8
129 110.5 90.3 135.5
131 107.6 86.7 130.1





#53
Toluene
Concen: 10.545 ppbv
RT: 9.224 min Scan# 2059
Delta R.T. -0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

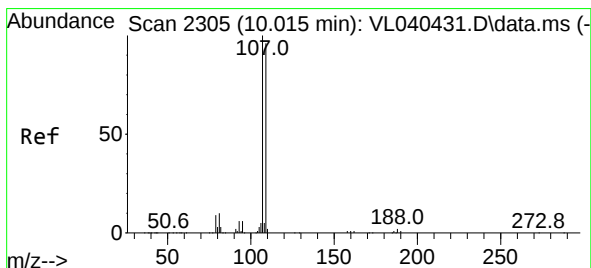
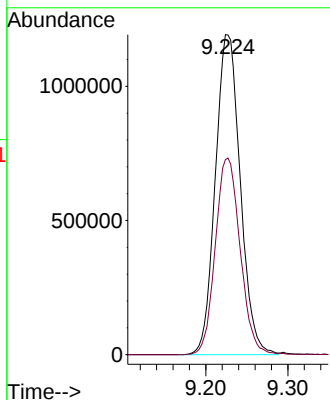
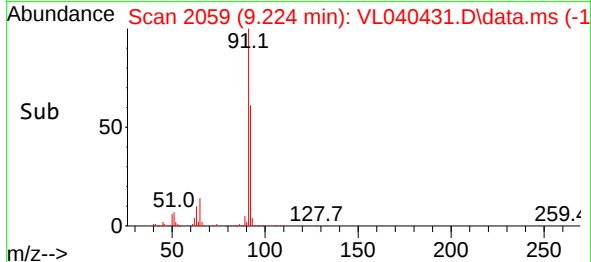
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



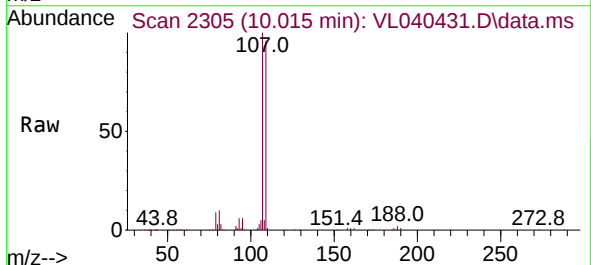
Tgt Ion: 91 Resp: 252079
Ion Ratio Lower Upper
91 100
92 61.4 48.9 73.3

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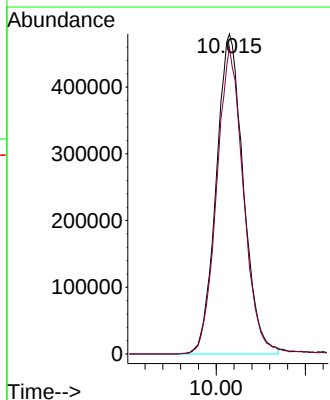
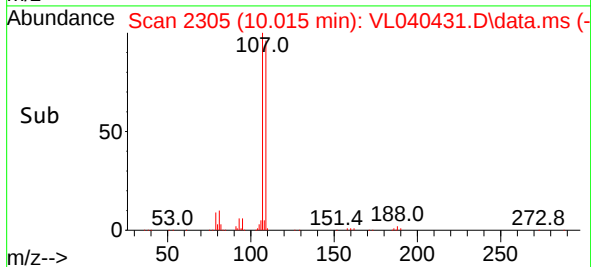
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

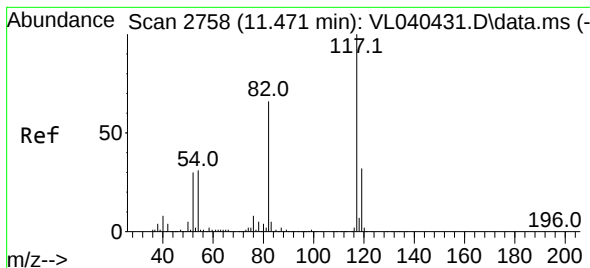


#54
1,2-Dibromoethane
Concen: 10.283 ppbv
RT: 10.015 min Scan# 2305
Delta R.T. -0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34



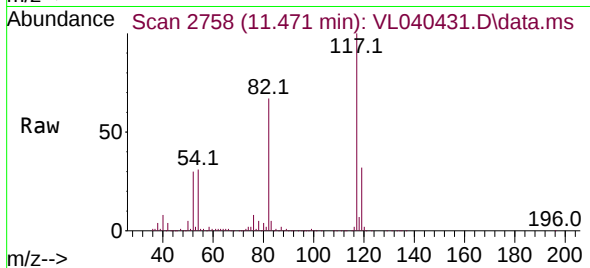
Tgt Ion:107 Resp: 1014217
Ion Ratio Lower Upper
107 100
109 95.9 73.6 110.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. -0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

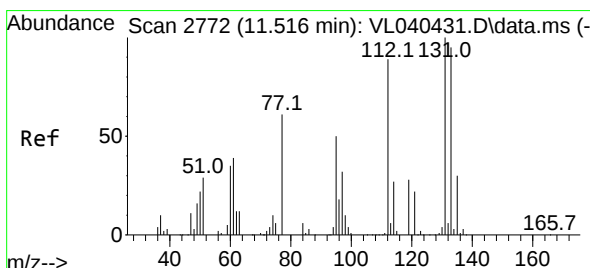
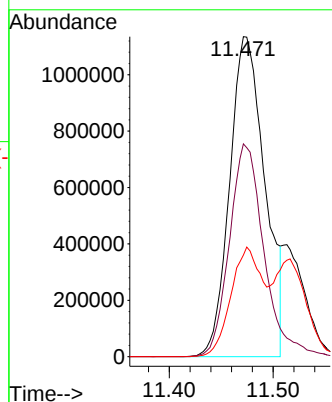
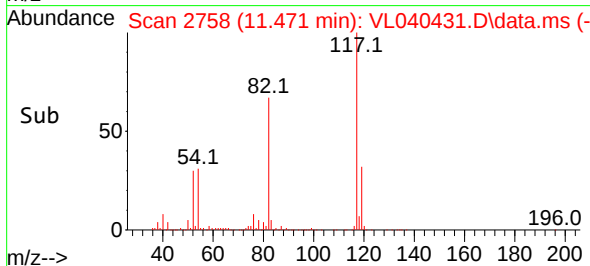
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



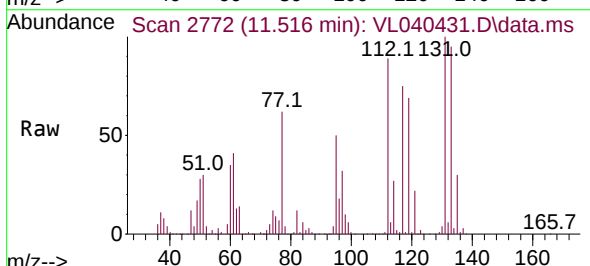
Tgt Ion:117 Resp: 267396
Ion Ratio Lower Upper
117 100
82 65.6 52.5 78.7
119 30.0 24.3 36.5

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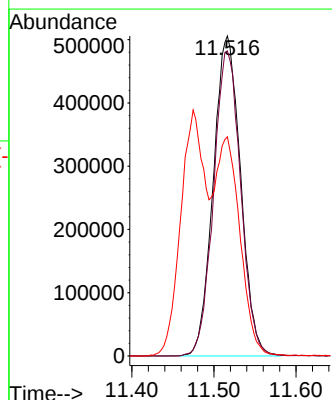
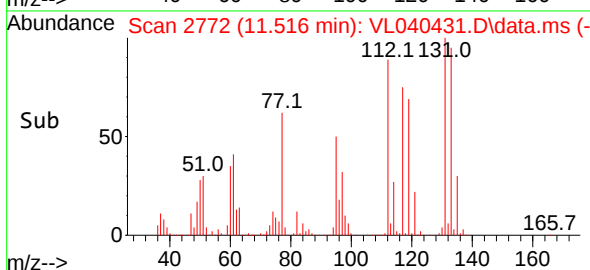
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

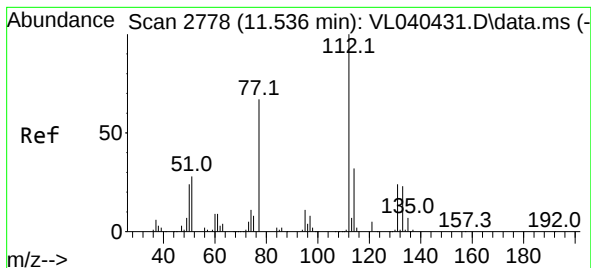


#56
1,1,1,2-Tetrachloroethane
Concen: 9.563 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. 0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34



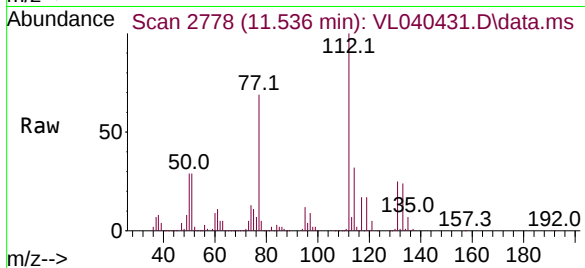
Tgt Ion:131 Resp: 1167148
Ion Ratio Lower Upper
131 100
133 94.8 75.3 112.9
119 60.9 53.9 80.9





#57
Chlorobenzene
Concen: 9.565 ppbv
RT: 11.536 min Scan# 2778
Delta R.T. -0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

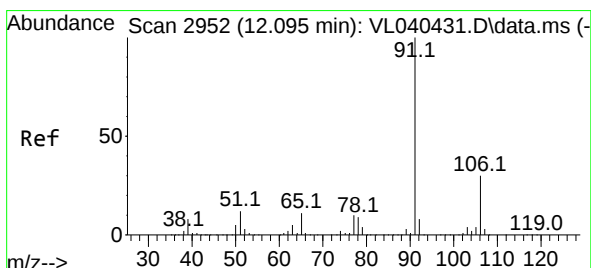
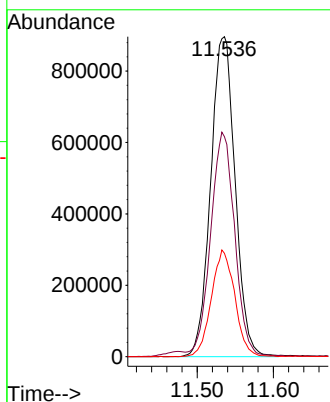
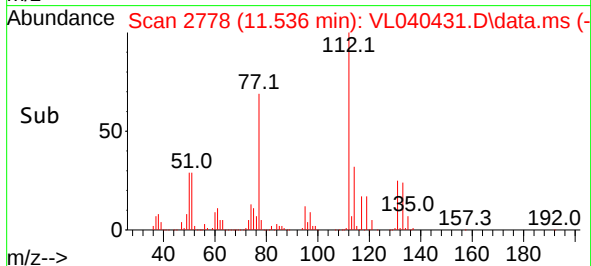
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 112 Resp: 2002580
Ion Ratio Lower Upper
112 100
77 68.4 55.8 83.8
114 32.2 29.1 35.5

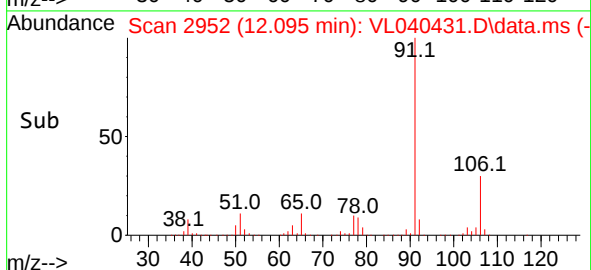
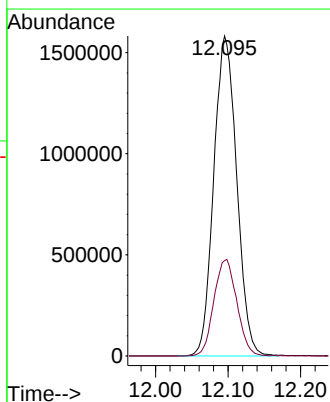
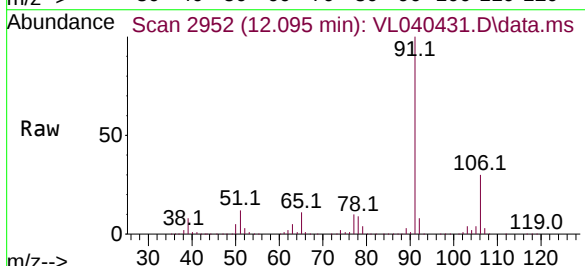
Manual Integrations
APPROVED

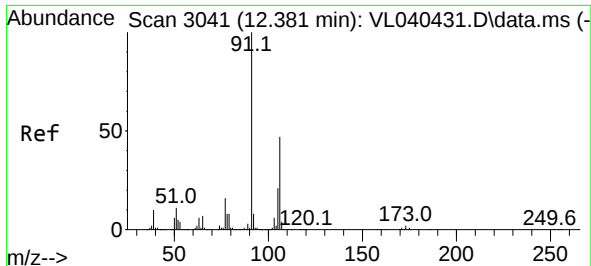
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#58
Ethyl Benzene
Concen: 10.589 ppbv
RT: 12.095 min Scan# 2952
Delta R.T. -0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

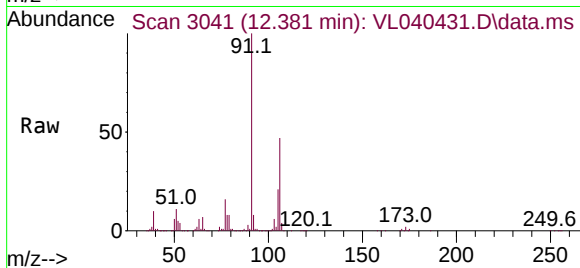
Tgt Ion: 91 Resp: 3483069
Ion Ratio Lower Upper
91 100
106 29.8 23.5 35.3





#59
m/p-Xylene
Concen: 20.140 ppbv m
RT: 12.381 min Scan# 3041
Delta R.T. 0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

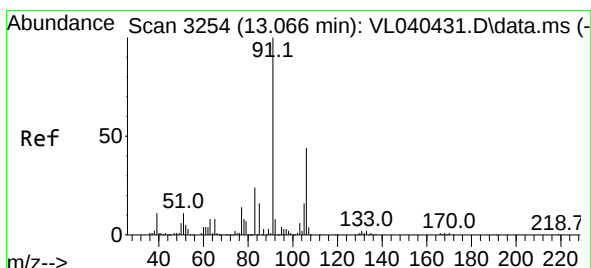
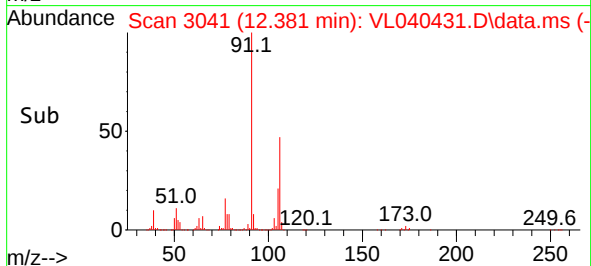
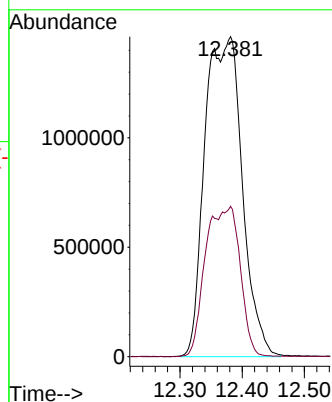
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 91 Resp: 6092290
Ion Ratio Lower Upper
91 100
106 43.6 34.7 52.1

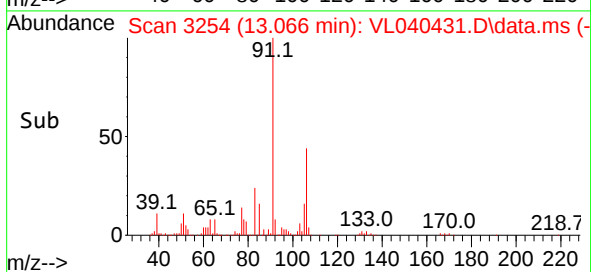
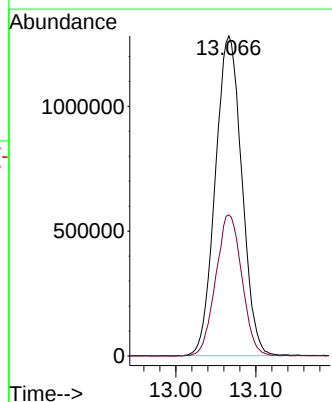
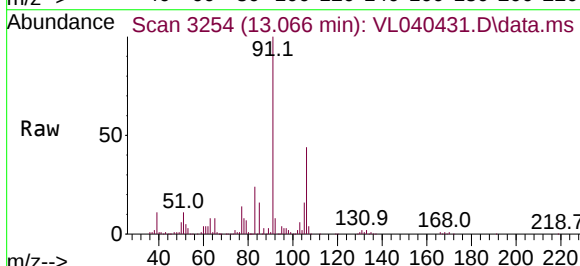
Manual Integrations
APPROVED

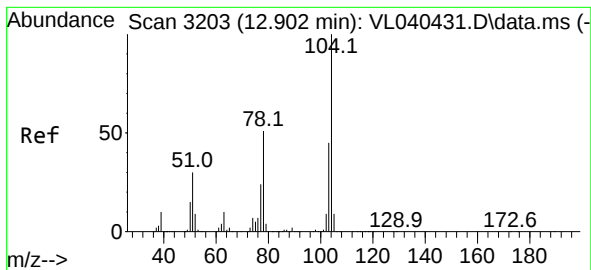
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#60
o-Xylene
Concen: 10.150 ppbv
RT: 13.066 min Scan# 3254
Delta R.T. 0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 91 Resp: 2946642
Ion Ratio Lower Upper
91 100
106 43.6 21.9 65.8





#61

Styrene

Concen: 11.551 ppbv

RT: 12.902 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:104 Resp: 1679724

Ion Ratio Lower Upper

104 100

78 54.1 43.4 65.0

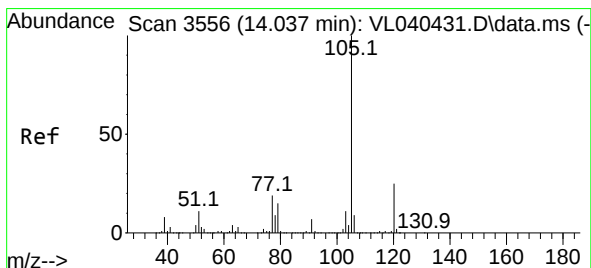
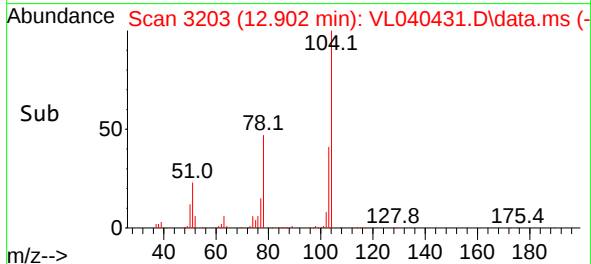
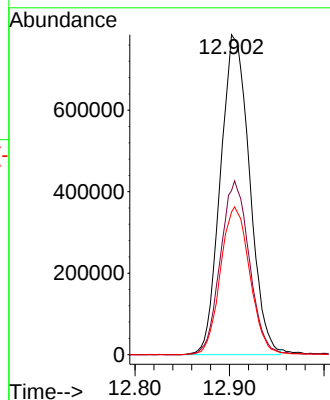
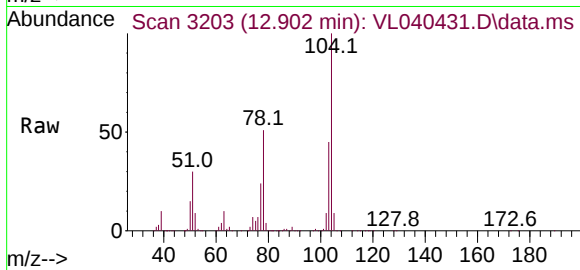
103 46.8 37.0 55.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#62

Isopropylbenzene

Concen: 9.885 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. -0.003 min

Lab File: VL040431.D

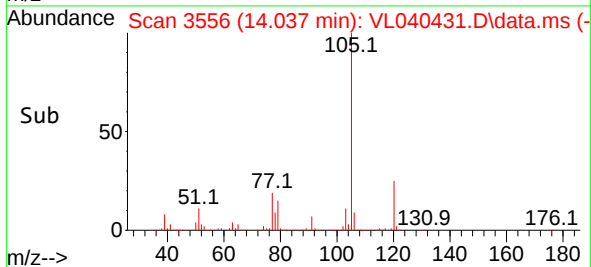
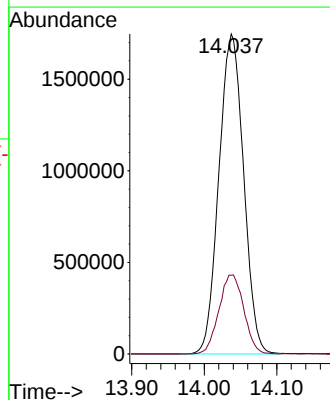
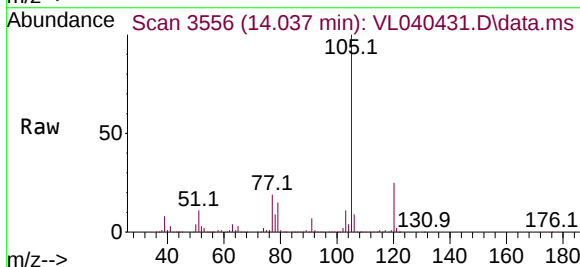
Acq: 16 May 2023 9:34

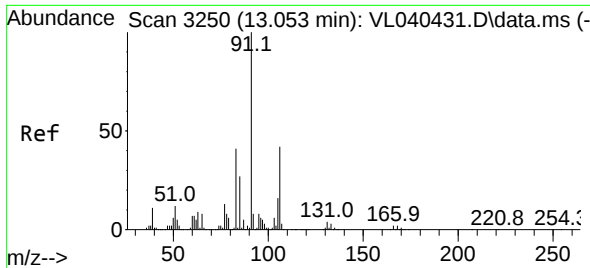
Tgt Ion:105 Resp: 4132781

Ion Ratio Lower Upper

105 100

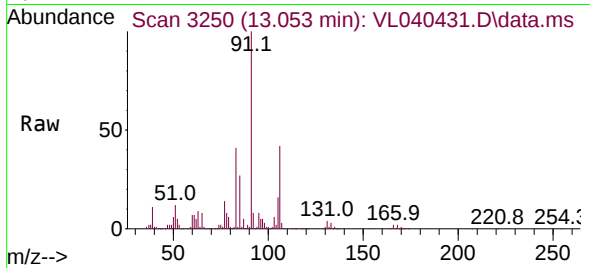
120 25.0 19.9 29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 8.304 ppbv
RT: 13.053 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

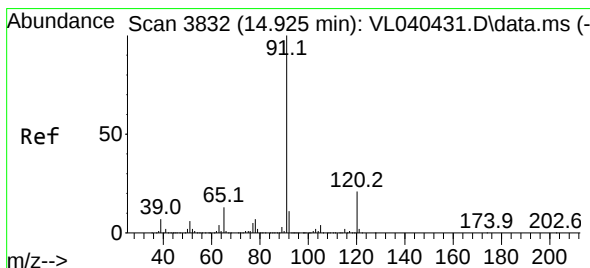
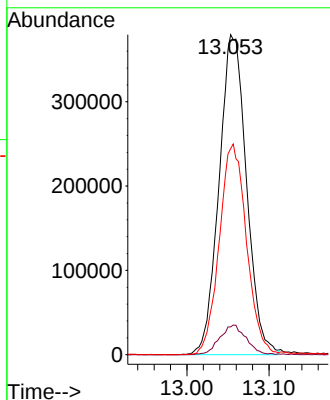
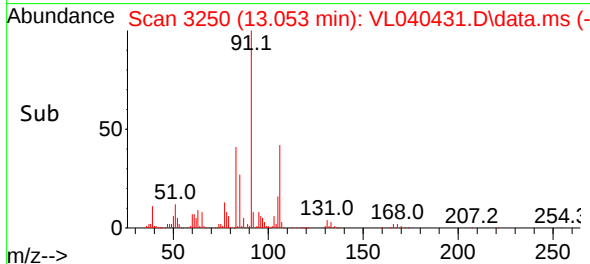
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



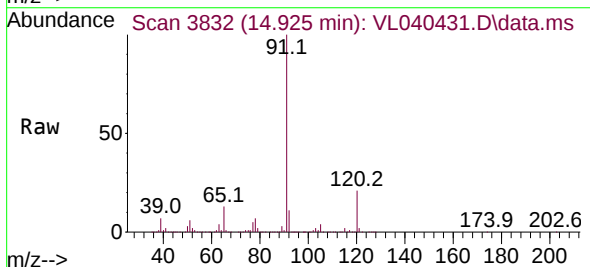
Tgt Ion: 83 Resp: 88219
Ion Ratio Lower Upper
83 100
131 9.0 4.3 13.1
85 66.0 32.9 98.6

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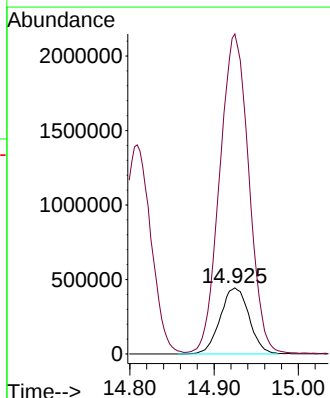
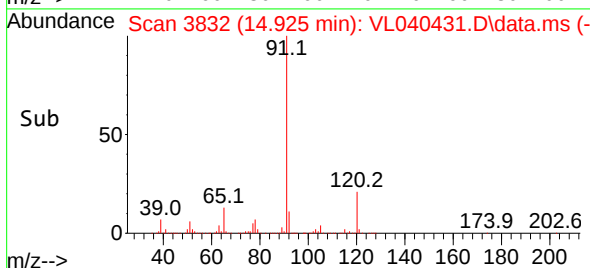
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

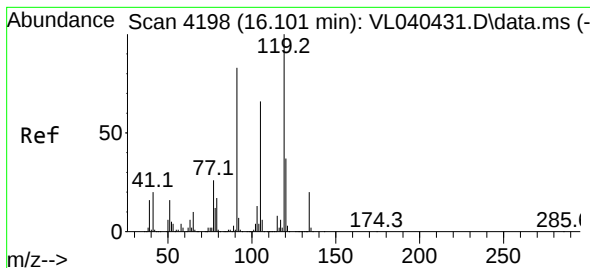


#64
n-propylbenzene
Concen: 10.216 ppbv
RT: 14.925 min Scan# 3832
Delta R.T. -0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34



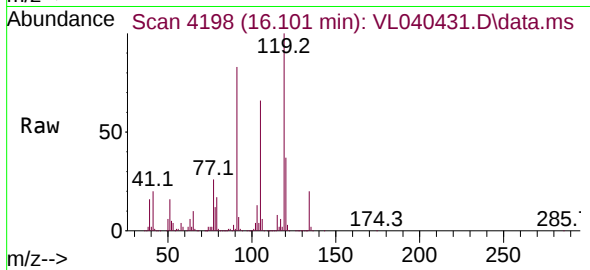
Tgt Ion:120 Resp: 1050946
Ion Ratio Lower Upper
120 100
91 491.5 397.4 596.0





#65
tert-Butylbenzene
Concen: 9.876 ppbv
RT: 16.101 min Scan# 4198
Delta R.T. 0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

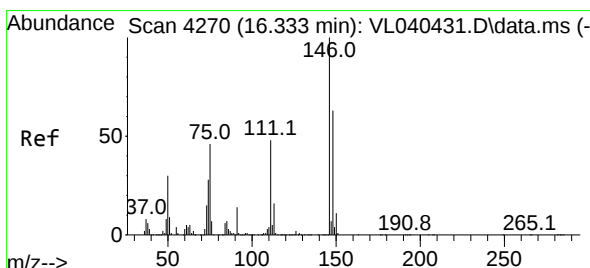
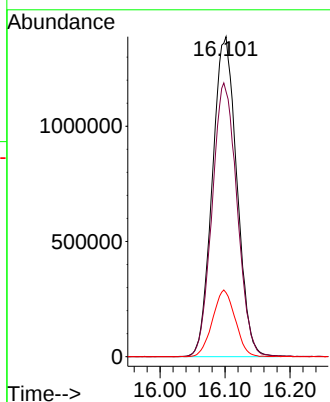
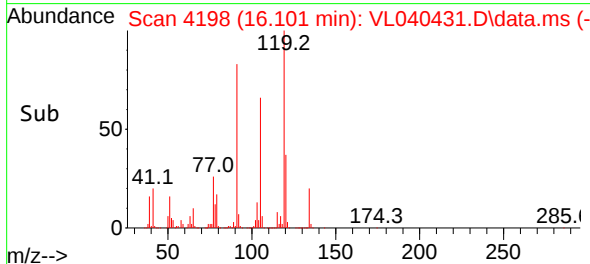
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



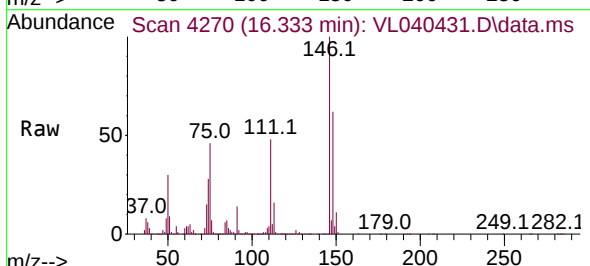
Tgt Ion:119 Resp: 3632838
Ion Ratio Lower Upper
119 100
91 87.2 70.1 105.1
134 19.3 15.6 23.4

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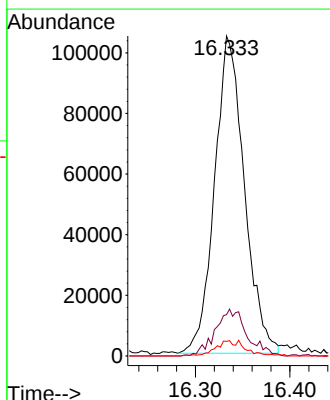
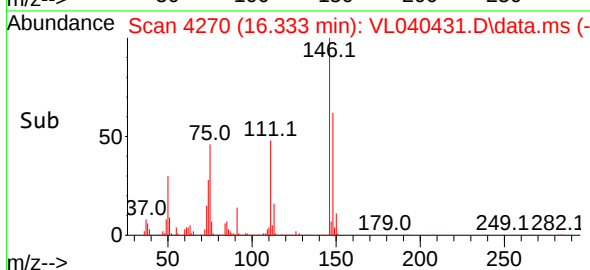
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

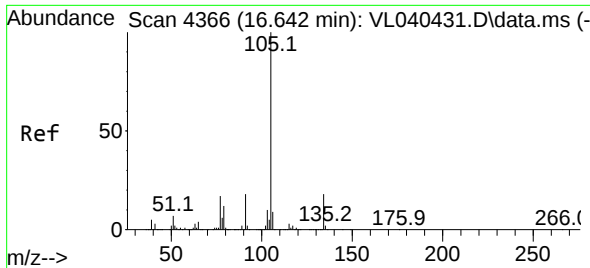


#66
Benzyl Chloride
Concen: 10.038 ppbv
RT: 16.333 min Scan# 4270
Delta R.T. -0.006 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34



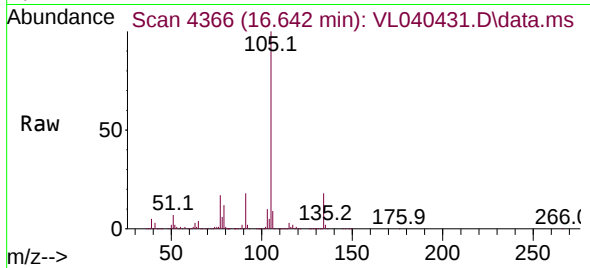
Tgt Ion: 91 Resp: 228601
Ion Ratio Lower Upper
91 100
126 15.8 12.3 18.5
128 4.9 4.1 6.1





#67
 sec-Butylbenzene
 Concen: 9.828 ppbv
 RT: 16.642 min Scan# 4366
 Delta R.T. -0.006 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

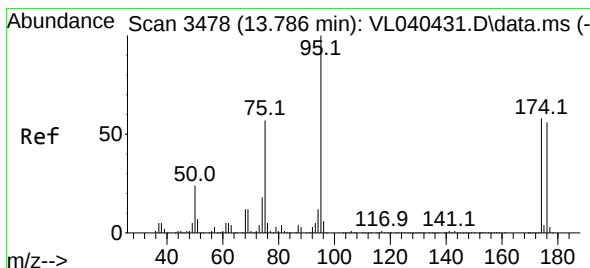
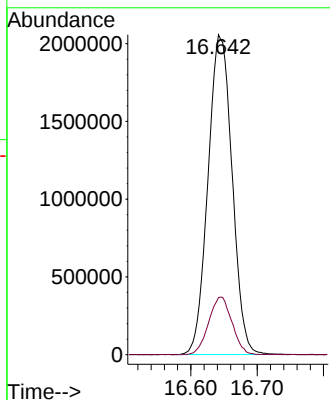
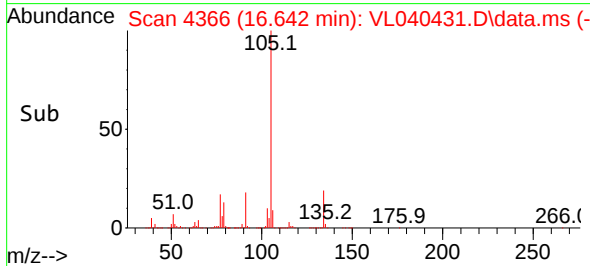
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



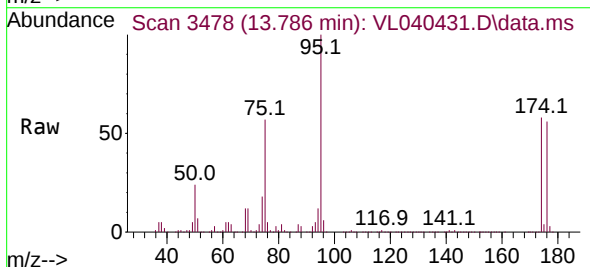
Tgt Ion: 105 Resp: 5192715
 Ion Ratio Lower Upper
 105 100
 134 17.6 13.8 20.6

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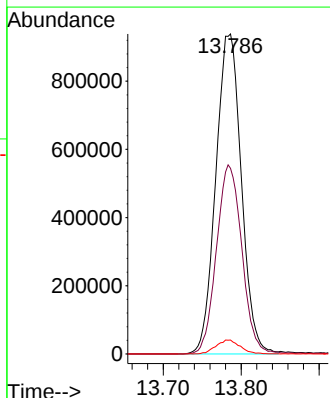
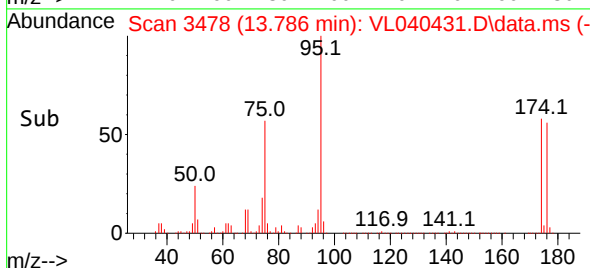
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

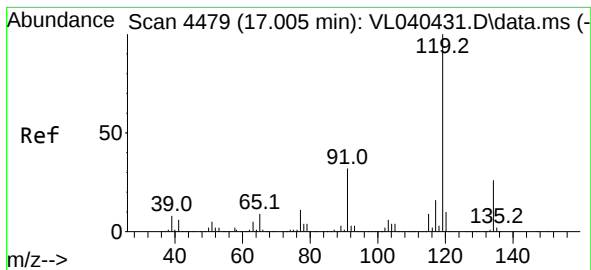


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.676 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. 0.000 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34



Tgt Ion: 95 Resp: 2139477
 Ion Ratio Lower Upper
 95 100
 174 58.8 47.2 70.8
 175 4.2 3.5 5.3





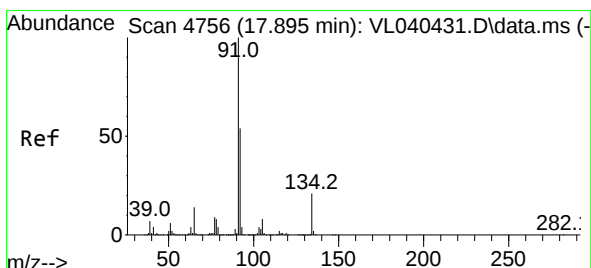
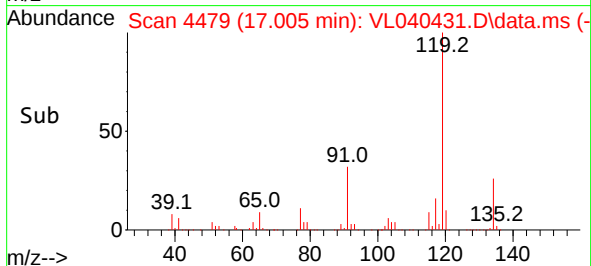
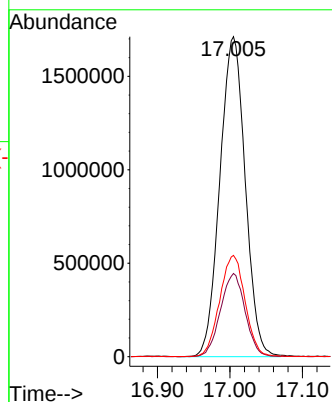
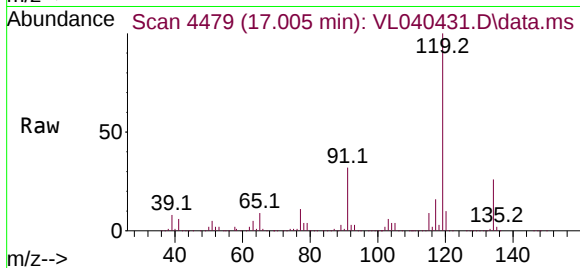
#69
p-Isopropyltoluene
Concen: 10.062 ppbv
RT: 17.005 min Scan# 4479
Delta R.T. -0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 4151223
Ion Ratio Lower Upper
119 100
134 25.3 20.2 30.4
91 31.7 25.7 38.5

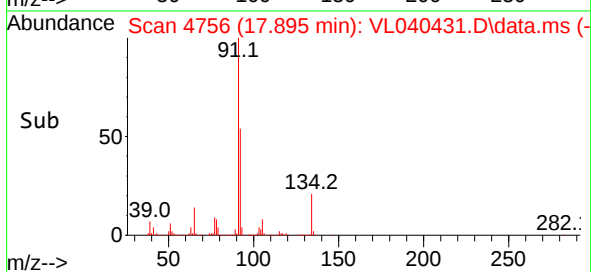
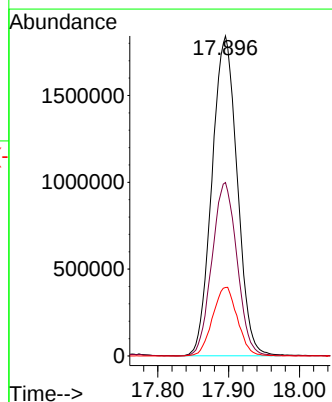
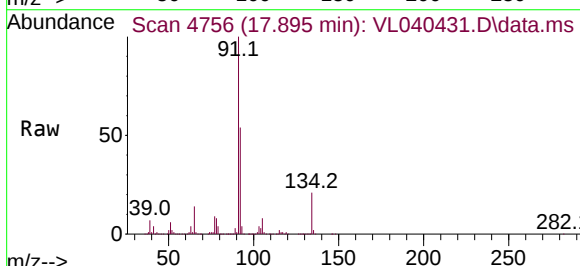
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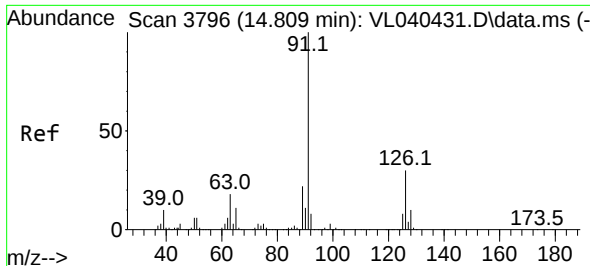
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#70
n-Butylbenzene
Concen: 9.969 ppbv
RT: 17.895 min Scan# 4756
Delta R.T. -0.004 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 91 Resp: 4559036
Ion Ratio Lower Upper
91 100
92 54.0 43.0 64.4
134 21.1 16.6 25.0





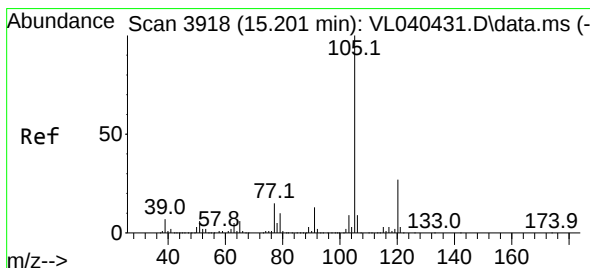
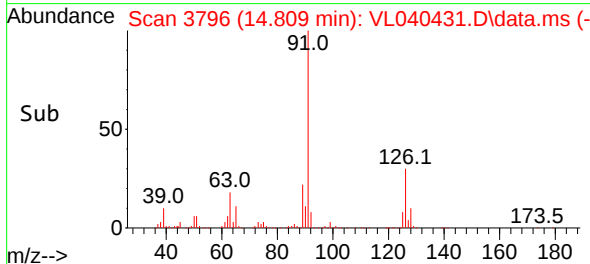
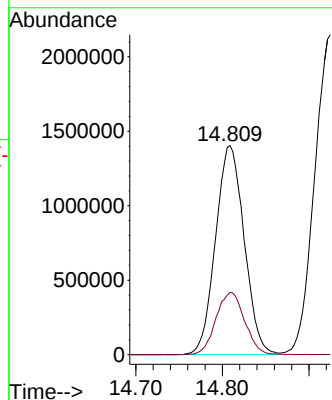
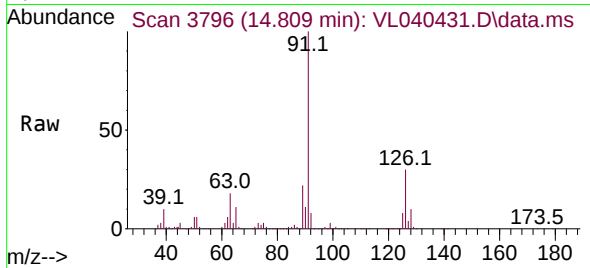
#71
2-Chlorotoluene
Concen: 10.036 ppbv
RT: 14.809 min Scan# 3796
Delta R.T. -0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 322144
Ion Ratio Lower Upper
91 100
126 30.0 11.8 47.4

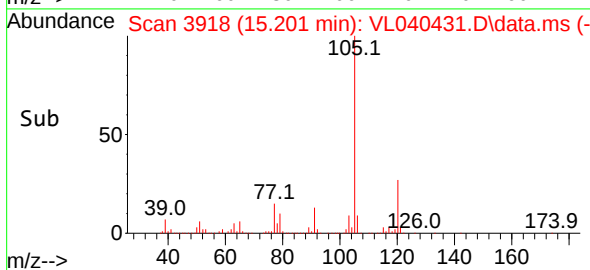
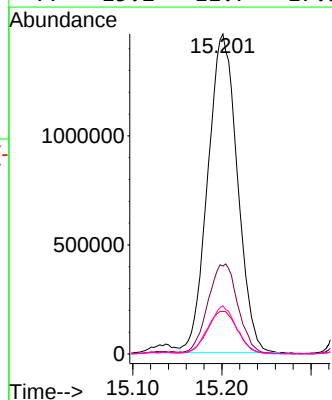
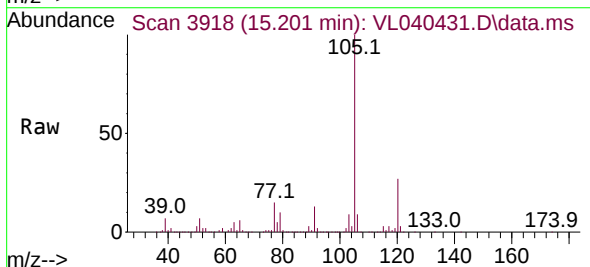
Manual Integrations
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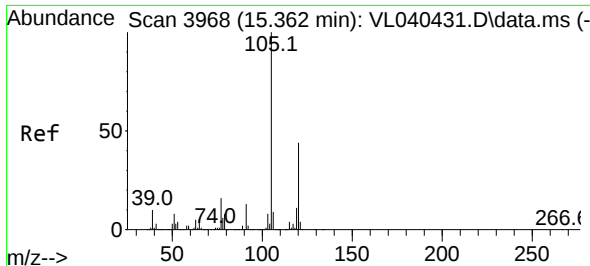
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#72
4-Ethyltoluene
Concen: 10.508 ppbv
RT: 15.201 min Scan# 3918
Delta R.T. -0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

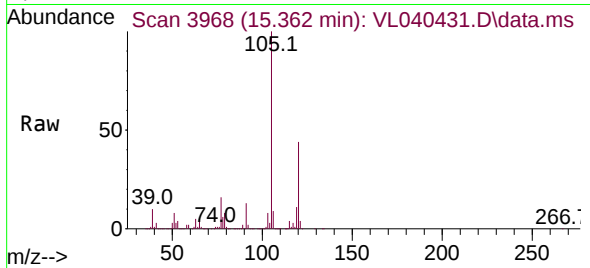
Tgt Ion:105 Resp: 3367530
Ion Ratio Lower Upper
105 100
120 29.8 23.0 34.6
91 13.7 11.3 16.9
77 15.2 11.7 17.5





#73
1,3,5-Trimethylbenzene
Concen: 10.227 ppbv
RT: 15.362 min Scan# 3968
Delta R.T. -0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

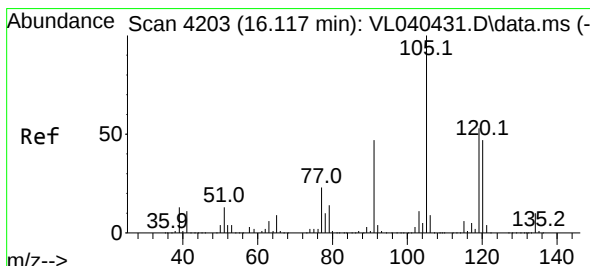
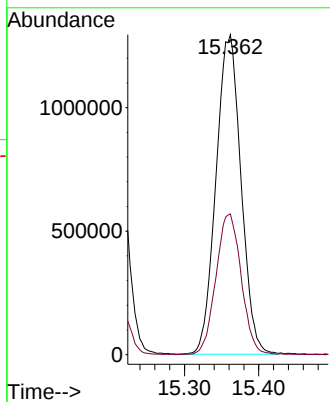
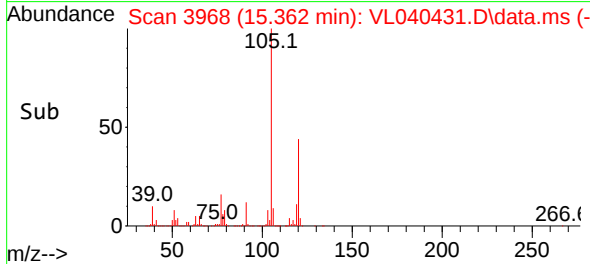
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion:105 Resp: 3027552
Ion Ratio Lower Upper
105 100
120 44.0 36.9 55.3

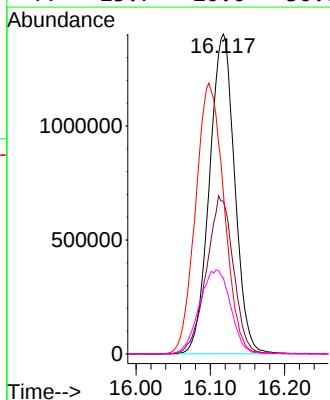
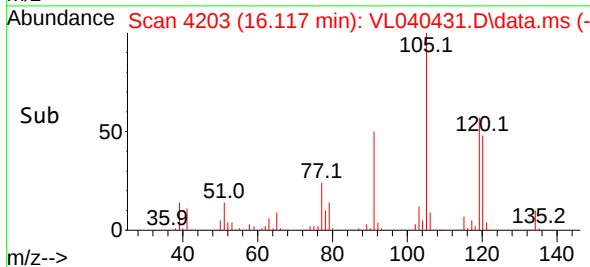
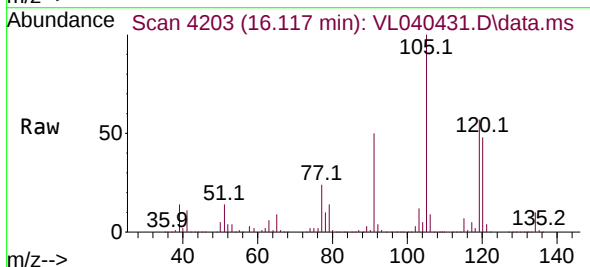
Manual Integrations
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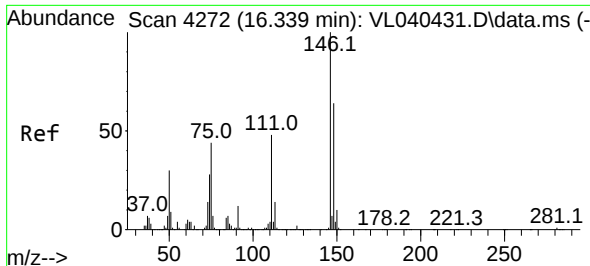
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#74
1,2,4-Trimethylbenzene
Concen: 9.776 ppbv
RT: 16.117 min Scan# 4203
Delta R.T. 0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

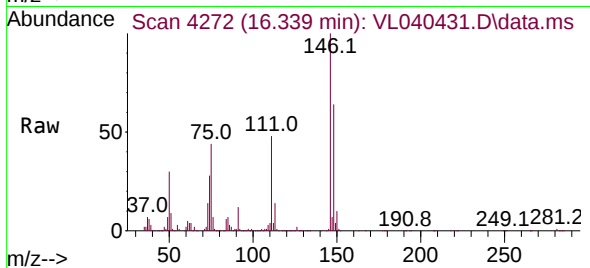
Tgt Ion:105 Resp: 3308085
Ion Ratio Lower Upper
105 100
120 47.6 38.9 58.3
91 50.2 46.0 69.0
77 23.7 20.0 30.0





#75
1,3-Dichlorobenzene
Concen: 9.833 ppbv
RT: 16.339 min Scan# 4272
Delta R.T. -0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

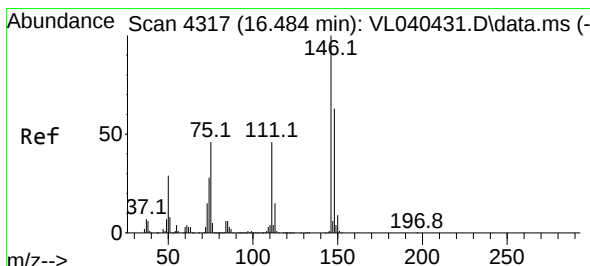
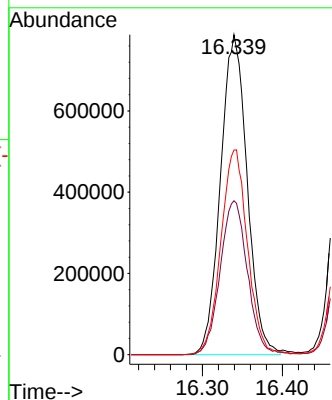
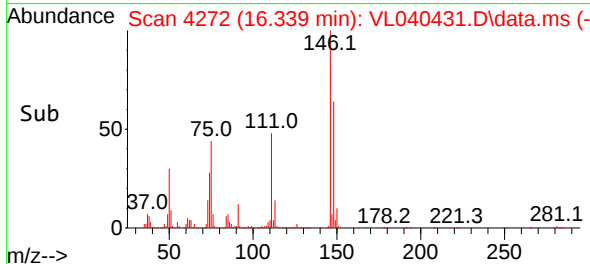
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



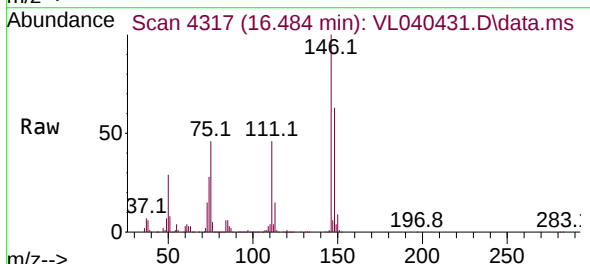
Tgt Ion:146 Resp: 1822389
Ion Ratio Lower Upper
146 100
111 49.3 24.6 74.0
148 64.2 32.1 96.3

Manual Integrations
APPROVED

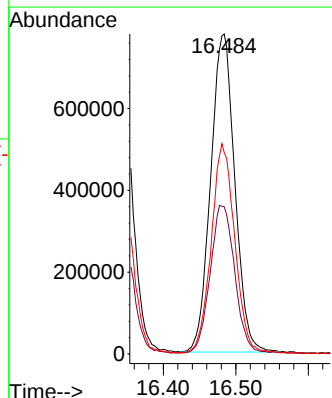
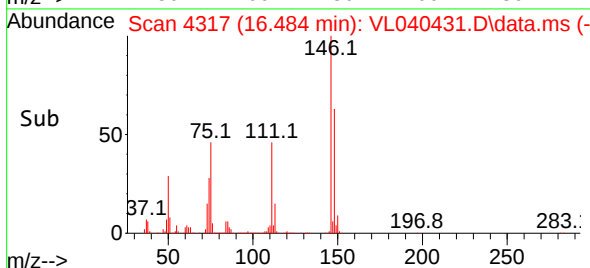
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

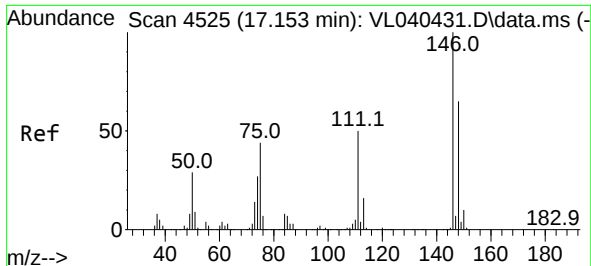


#76
1,4-Dichlorobenzene
Concen: 9.822 ppbv
RT: 16.484 min Scan# 4317
Delta R.T. -0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34



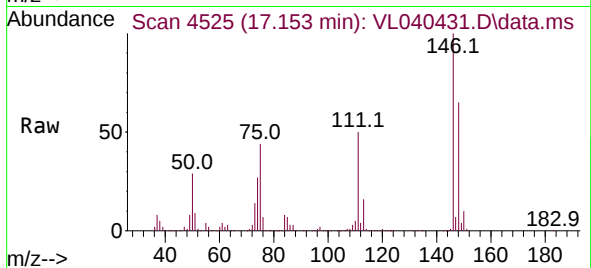
Tgt Ion:146 Resp: 1798505
Ion Ratio Lower Upper
146 100
111 48.0 23.8 71.4
148 64.9 32.4 97.2





#77
1,2-Dichlorobenzene
Concen: 9.601 ppbv
RT: 17.153 min Scan# 4525
Delta R.T. -0.003 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

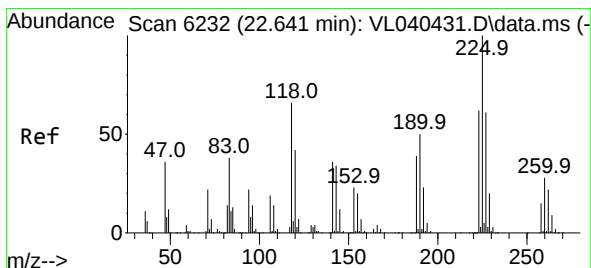
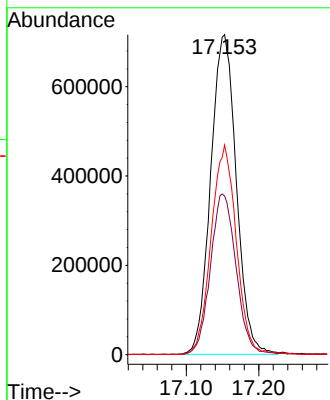
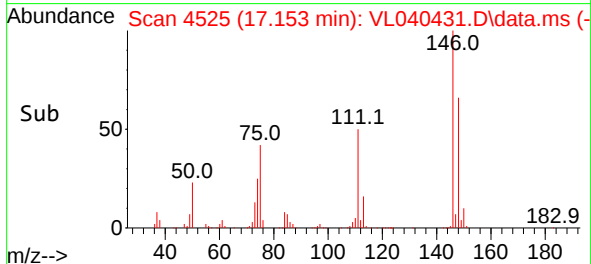
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



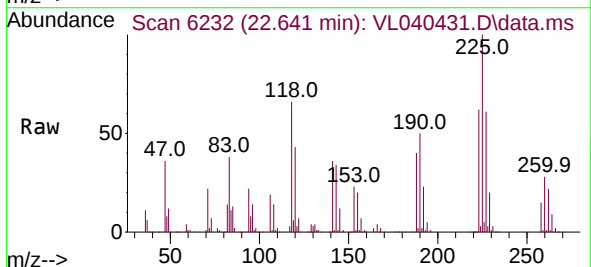
Tgt Ion:146 Resp: 175948
Ion Ratio Lower Upper
146 100
111 50.4 25.4 76.0
148 64.3 32.0 96.2

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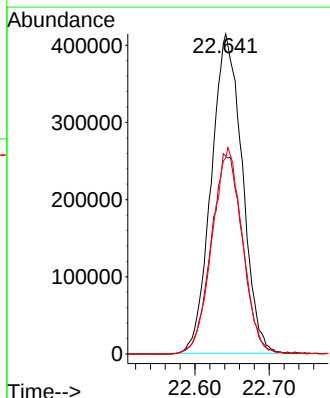
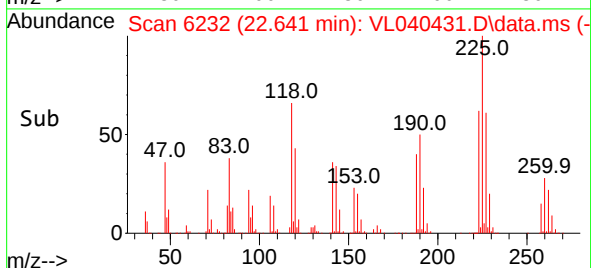
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

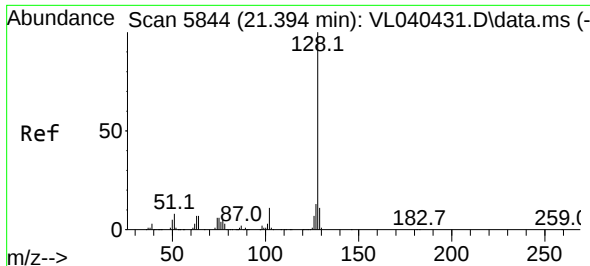


#78
Hexachloro-1,3-Butadiene
Concen: 8.149 ppbv
RT: 22.641 min Scan# 6232
Delta R.T. -0.007 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34



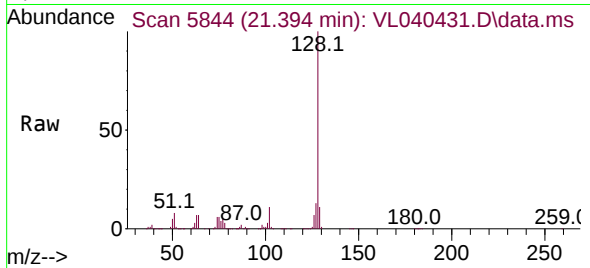
Tgt Ion:225 Resp: 1197286
Ion Ratio Lower Upper
225 100
223 64.0 50.7 76.1
227 63.8 51.0 76.4





#79
Naphthalene
Concen: 11.026 ppbv
RT: 21.394 min Scan# 5844
Delta R.T. -0.000 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

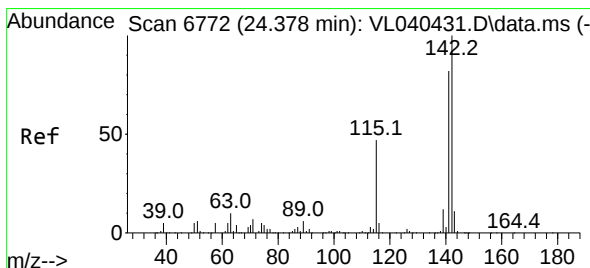
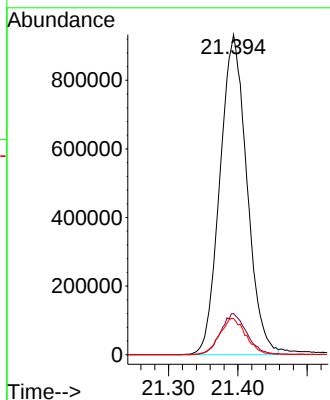
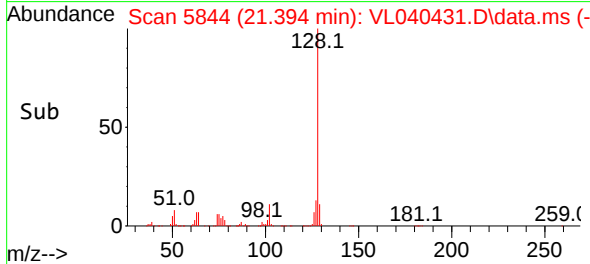
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion:128 Resp: 251841
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 11.3 9.4 14.0

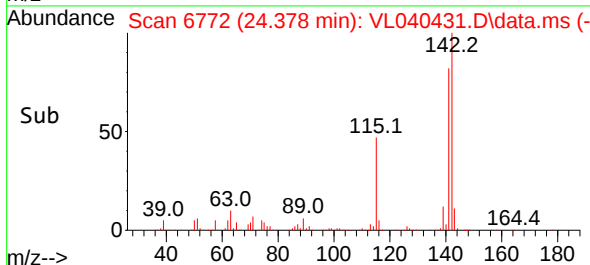
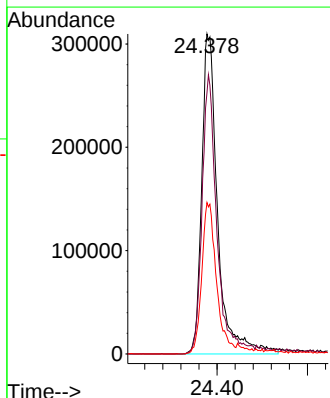
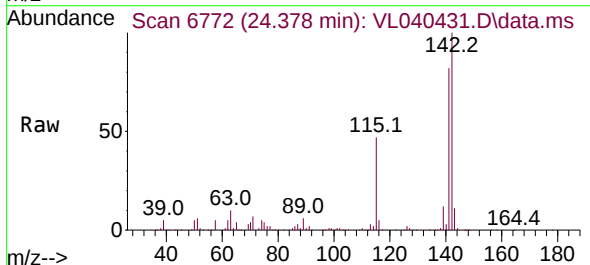
Manual Integrations
APPROVED

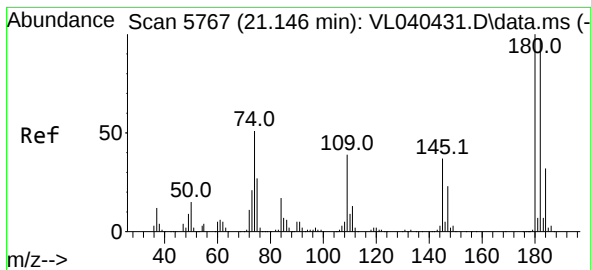
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#80
Naphthalene,2-methyl-
Concen: 11.183 ppbv
RT: 24.378 min Scan# 6772
Delta R.T. -0.006 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion:142 Resp: 760324
Ion Ratio Lower Upper
142 100
141 82.7 65.1 97.7
115 46.0 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 9.467 ppbv

RT: 21.146 min Scan# 51

Delta R.T. -0.010 min

Lab File: VL040431.D

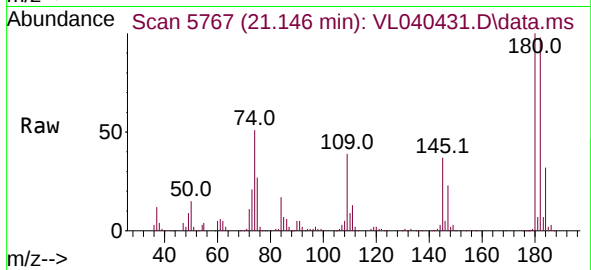
Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010



Tgt Ion:180 Resp: 132880

Ion Ratio Lower Upper

180 100

182 96.3 77.7 116.5

184 30.9 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023

