

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\
 Data File : VL040092.D
 Acq On : 16 Jan 2023 10:58
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/17/2023
 Supervised By : Mahesh Dadoda 01/17/2023

Quant Time: Jan 16 11:28:58 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Mon Jan 16 11:28:27 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1109946	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2986030	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2829554	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2305611 10.667 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	332819	1.602	ppbv	98
3) Chlorodifluoromethane	2.661	51	282608	1.726	ppbv	97
4) Chloromethane	2.800	50	172502	1.681	ppbv	98
5) Vinyl Chloride	2.906	62	145904	1.757	ppbv	91
6) Bromomethane	3.108	94	52225m	1.712	ppbv	
7) Chloroethane	3.189	64	56238m	1.795	ppbv	
8) Dichlorotetrafluoroethane	2.845	85	369047	1.688	ppbv	98
9) Propene	2.681	41	115771	1.666	ppbv	98
10) Heptane	7.581	43	265619	1.566	ppbv	97
11) Trichlorofluoromethane	3.552	101	411552	1.823	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.057	101	308431	1.804	ppbv	100
13) Ethanol	3.240	45	12263m	1.875	ppbv	
14) Bromoethene	3.356	108	110414m	1.715	ppbv	
15) Acetone	3.462	43	285609	1.663	ppbv	100
16) 1,3-Butadiene	2.973	39	128645	1.724	ppbv	97
17) tert-Butyl alcohol	3.874	59	235411	1.391	ppbv	97
18) 1,1-Dichloroethene	3.870	96	131700	1.770	ppbv	98
19) Isopropyl Alcohol	3.578	45	132859m	1.570	ppbv	
20) Methylene Chloride	3.922	84	123348	1.690	ppbv	98
21) Allyl Chloride	3.989	41	185347m	1.796	ppbv	
22) trans-1,2-Dichloroethene	4.436	96	134799	1.817	ppbv	96
23) Vinyl Acetate	4.620	43	86498m	1.589	ppbv	
24) 1,1-Dichloroethane	4.558	63	267389	1.673	ppbv	98
25) Ethyl Acetate	5.202	43	497806	1.674	ppbv	98
26) Hexane	5.208	57	208344	1.667	ppbv	97
27) Carbon Disulfide	4.118	76	273963	1.738	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	240656	1.634	ppbv	98
29) Chloroform	5.269	83	333168	1.747	ppbv	94
30) Cyclohexane	6.600	84	169152	1.528	ppbv	97
31) cis-1,2-Dichloroethene	5.073	61	203960	1.714	ppbv	95
32) 1,1,1-Trichloroethane	5.999	97	363880	1.782	ppbv	98
34) 2-Butanone	4.784	43	284681	1.757	ppbv	97
35) Carbon Tetrachloride	6.494	117	371815	2.005	ppbv	98
36) Benzene	6.365	78	459678	1.724	ppbv	98
37) 1,2-Dichloroethane	5.803	62	292791	1.872	ppbv	98
38) Trichloroethene	7.291	130	260784	1.903	ppbv	94
39) 1,2-Dichloropropane	7.073	63	174733	1.748	ppbv	95
40) 1,4-Dioxane	7.295	88	67938m	1.508	ppbv	
41) Tetrahydrofuran	5.568	42	162650	1.609	ppbv	95
42) Bromodichloromethane	7.246	83	394746	1.842	ppbv	94
43) Methyl Methacrylate	7.478	69	165092	1.650	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	774510	1.764	ppbv	99
45) t-1,3-Dichloropropene	8.713	75	136248m	1.611	ppbv	

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Instrument :
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Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/17/2023
 Supervised By : Mahesh Dadoda 01/17/2023

Quant Time: Jan 16 11:28:58 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Mon Jan 16 11:28:27 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.144	75	200011	1.676	ppbv	98
47) 1,1,2-Trichloroethane	8.899	97	186807	1.706	ppbv	97
48) Dibromochloromethane	9.709	129	293339	1.762	ppbv	99
49) Bromoform	12.413	173	224140	1.765	ppbv	99
50) 4-Methyl-2-Pentanone	8.189	43	459913	1.738	ppbv	98
51) 2-Hexanone	9.561	43	348284	1.692	ppbv #	100
52) Tetrachloroethene	10.623	164	149386	1.648	ppbv	92
53) Toluene	9.224	91	484047	1.639	ppbv	100
54) 1,2-Dibromoethane	10.012	107	196649	1.668	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.513	131	225706	1.729	ppbv #	1
57) Chlorobenzene	11.532	112	394340	1.642	ppbv #	94
58) Ethyl Benzene	12.098	91	657778	1.636	ppbv	100
59) m/p-Xylene	12.365	91	1199620m	3.425	ppbv	
60) o-Xylene	13.066	91	571846	1.704	ppbv	99
61) Styrene	12.905	104	290892	1.616	ppbv	99
62) Isopropylbenzene	14.037	105	813570	1.682	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.057	83	201446	1.638	ppbv	97
64) n-propylbenzene	14.928	120	199825	1.635	ppbv	94
65) tert-Butylbenzene	16.098	119	707682	1.683	ppbv	96
66) Benzyl Chloride	16.339	91	38719m	1.579	ppbv	
67) sec-Butylbenzene	16.645	105	1017381	1.727	ppbv	99
69) p-Isopropyltoluene	17.002	119	805198	1.711	ppbv	99
70) n-Butylbenzene	17.899	91	887473	1.800	ppbv	98
71) 2-Chlorotoluene	14.809	91	627476	1.700	ppbv	98
72) 4-Ethyltoluene	15.201	105	621038	1.667	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	572113	1.703	ppbv	92
74) 1,2,4-Trimethylbenzene	16.114	105	648867	1.752	ppbv	94
75) 1,3-Dichlorobenzene	16.343	146	348196m	1.718	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	330496	1.670	ppbv	98
77) 1,2-Dichlorobenzene	17.156	146	331397	1.705	ppbv	98
78) Hexachloro-1,3-Butadiene	22.651	225	249969m	1.854	ppbv	
79) Naphthalene	21.407	128	423311	1.918	ppbv	98
80) Naphthalene,2-methyl-	24.387	142	135990	2.014	ppbv	91
81) 1,2,4-Trichlorobenzene	21.153	180	229945m	1.754	ppbv	

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

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Instrument :
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 ClientSampleId :
 VSTDIC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023

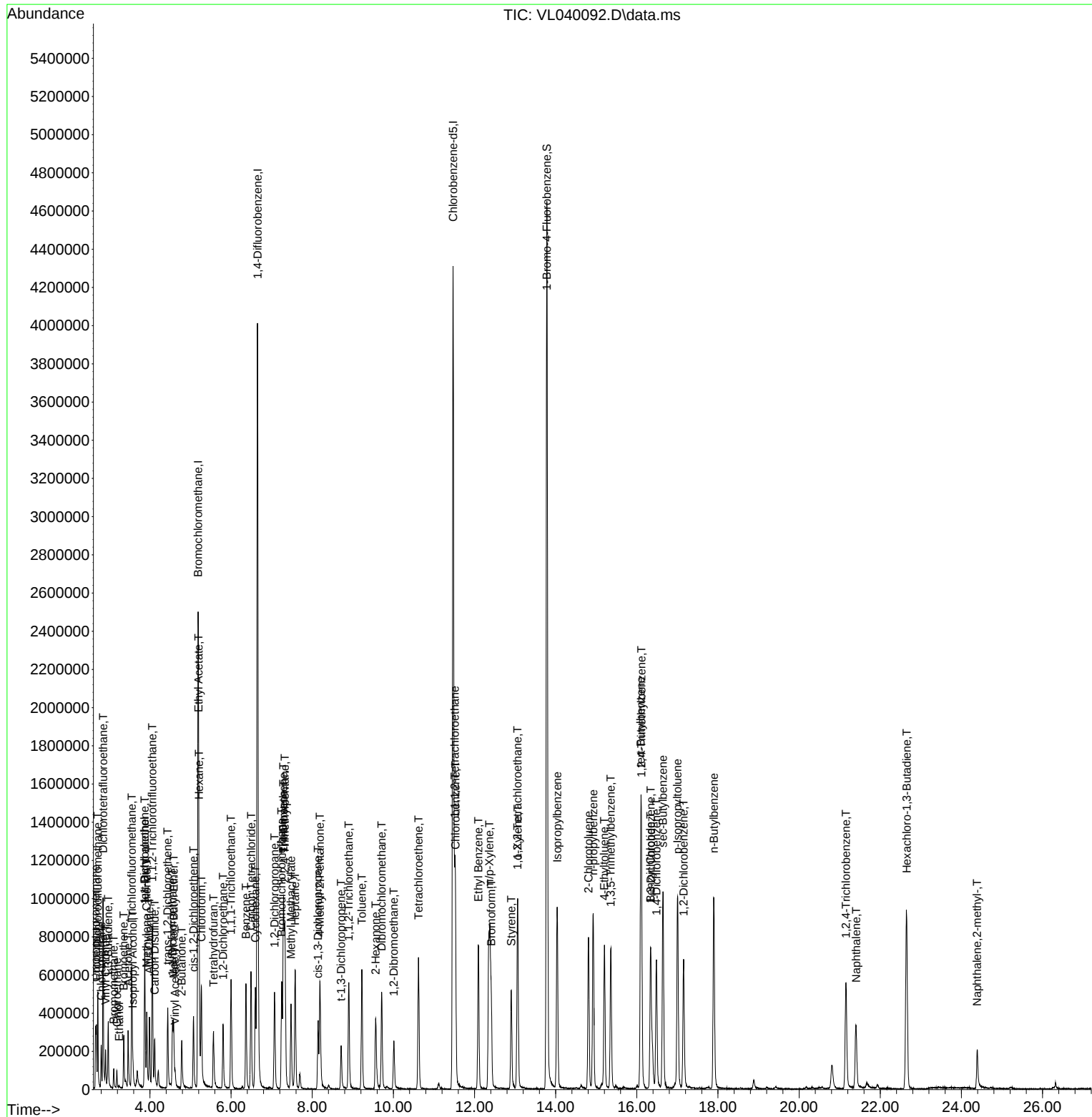
Quant Time: Jan 16 11:28:58 2023

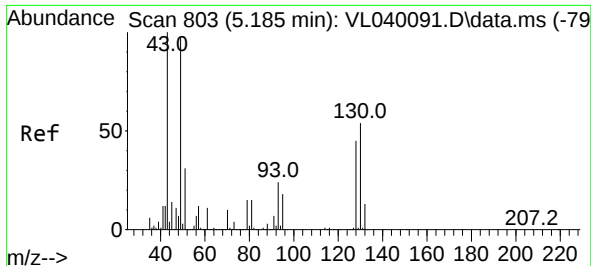
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Mon Jan 16 11:28:27 2023

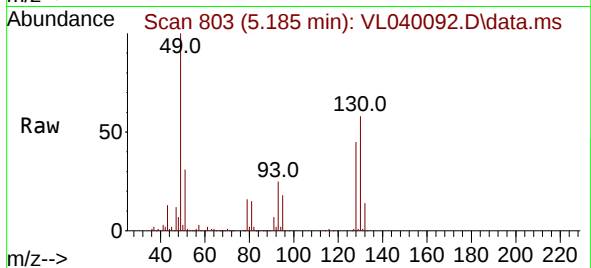
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 803
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

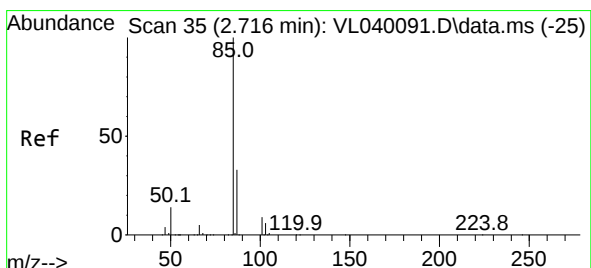
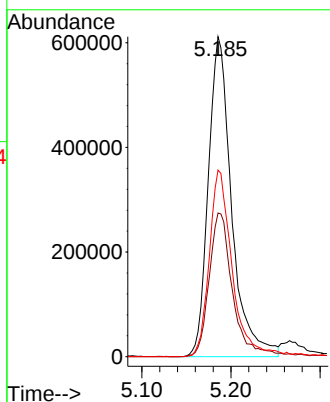
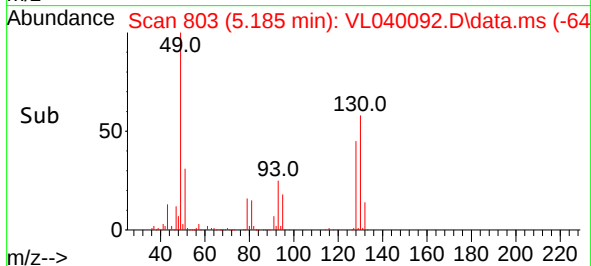
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



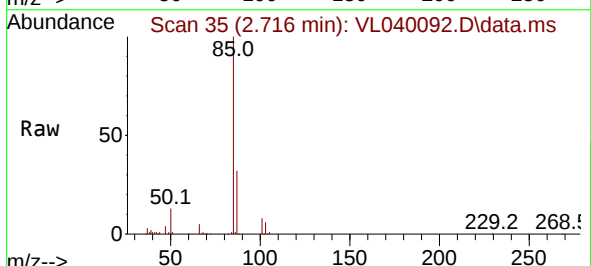
Tgt Ion: 49 Resp: 1109940
Ion Ratio Lower Upper
49 100
128 45.8 23.6 71.0
130 59.1 29.8 89.3

Manual Integrations
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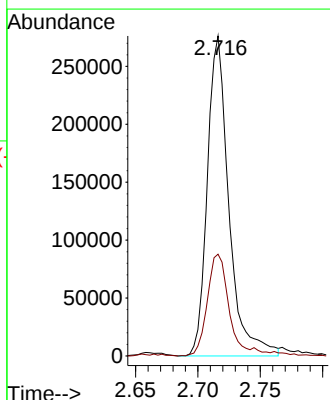
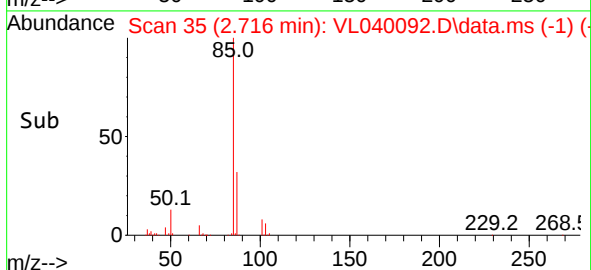
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

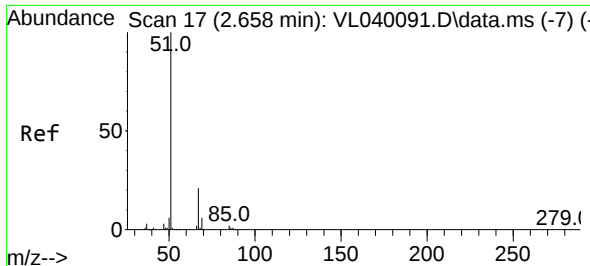


#2
Dichlorodifluoromethane
Concen: 1.602 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58



Tgt Ion: 85 Resp: 332819
Ion Ratio Lower Upper
85 100
87 31.8 26.5 39.7





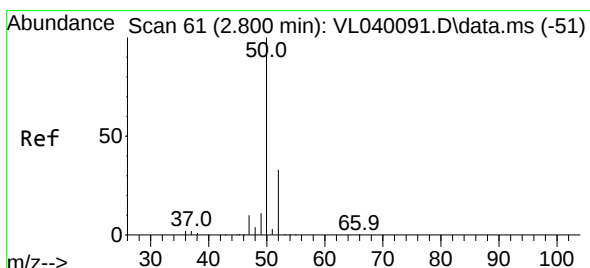
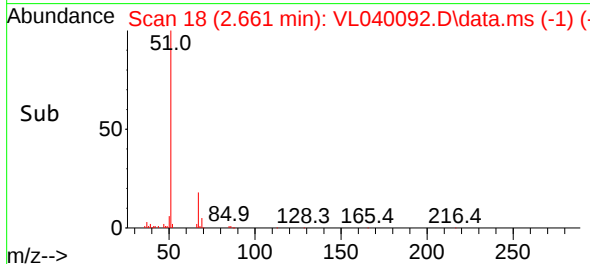
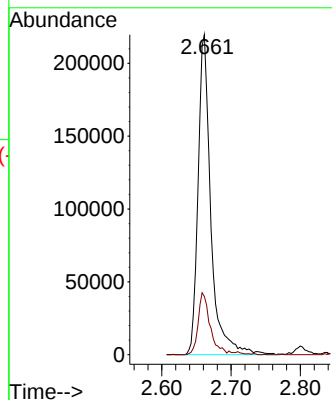
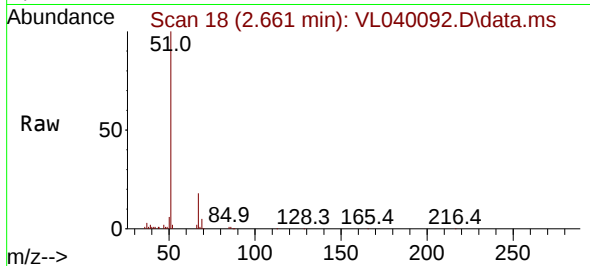
#3
Chlorodifluoromethane
Concen: 1.726 ppbv
RT: 2.661 min Scan# 18
Delta R.T. 0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 282608
Ion Ratio Lower Upper
51 100
67 19.0 16.4 24.6

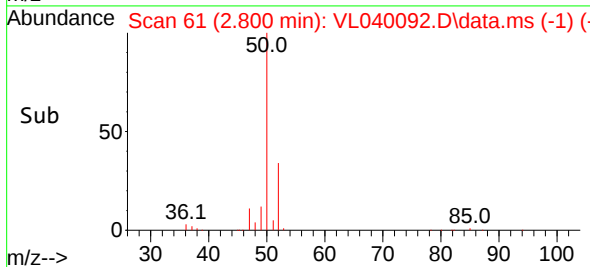
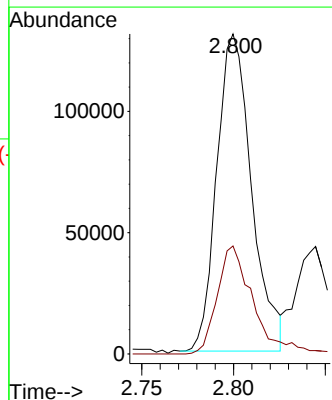
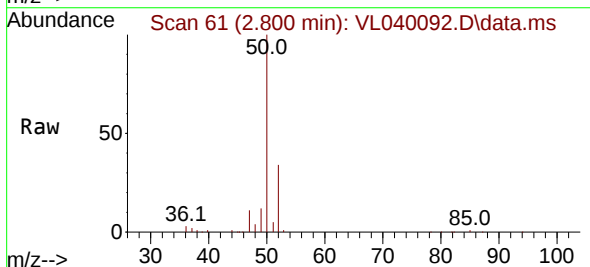
Manual Integrations
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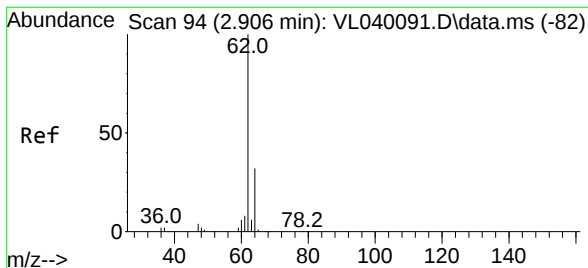
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#4
Chloromethane
Concen: 1.681 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

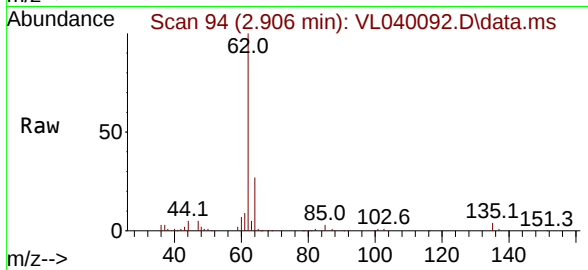
Tgt Ion: 50 Resp: 172502
Ion Ratio Lower Upper
50 100
52 34.1 26.5 39.7





#5
 Vinyl Chloride
 Concen: 1.757 ppbv
 RT: 2.906 min Scan# 94
 Delta R.T. 0.000 min
 Lab File: VL040092.D
 Acq: 16 Jan 2023 10:58

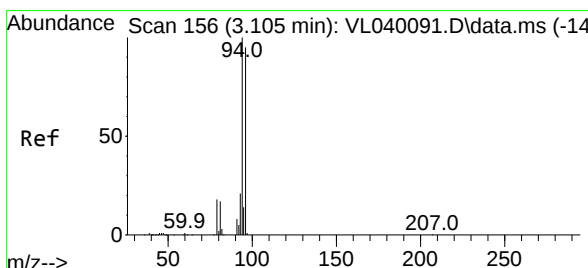
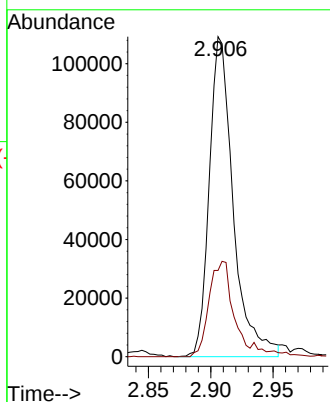
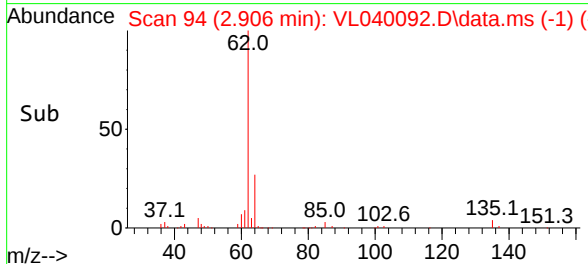
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 62 Resp: 145904
 Ion Ratio Lower Upper
 62 100
 64 27.0 25.8 38.6

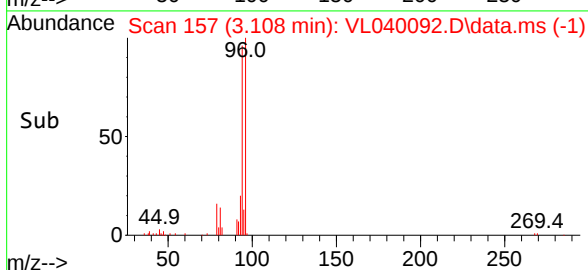
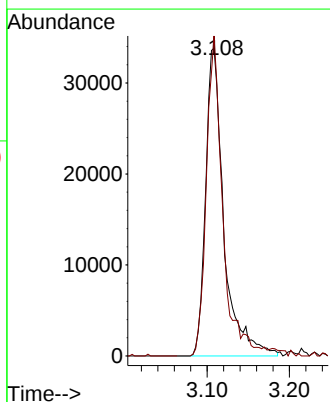
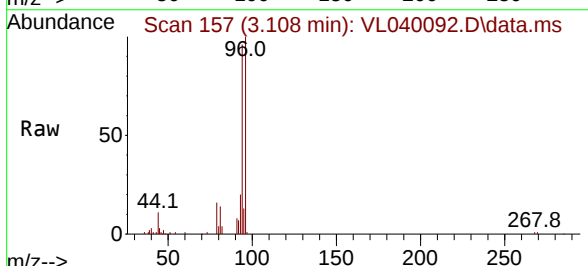
Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023



#6
 Bromomethane
 Concen: 1.712 ppbv m
 RT: 3.108 min Scan# 157
 Delta R.T. 0.003 min
 Lab File: VL040092.D
 Acq: 16 Jan 2023 10:58

Tgt Ion: 94 Resp: 52225
 Ion Ratio Lower Upper
 94 100
 96 104.0 76.2 114.2





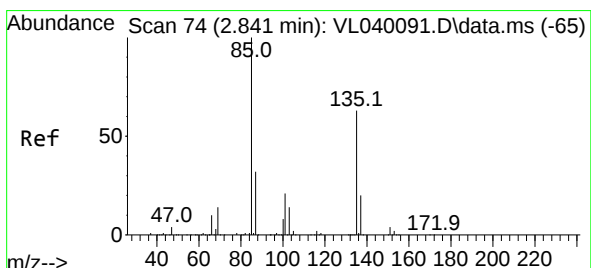
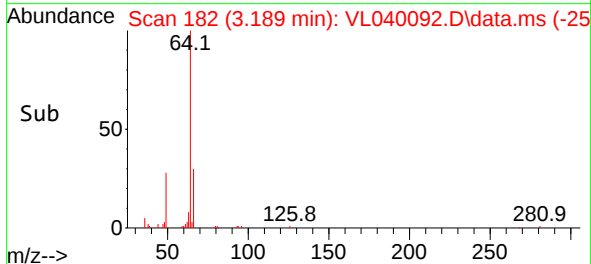
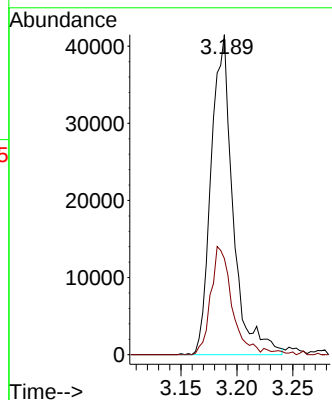
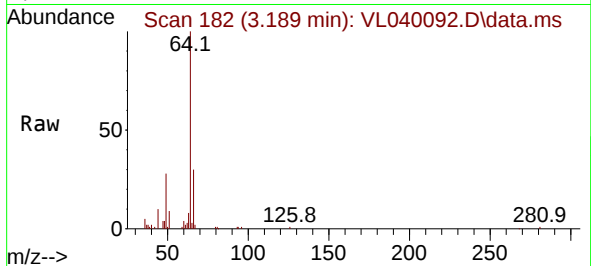
#7
Chloroethane
Concen: 1.795 ppbv m
RT: 3.189 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 56238
Ion Ratio Lower Upper
64 100
66 30.0 25.6 38.4

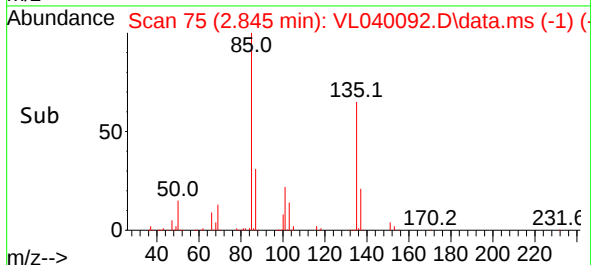
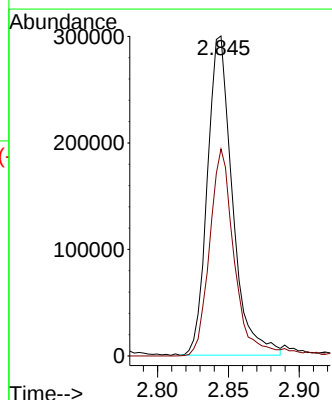
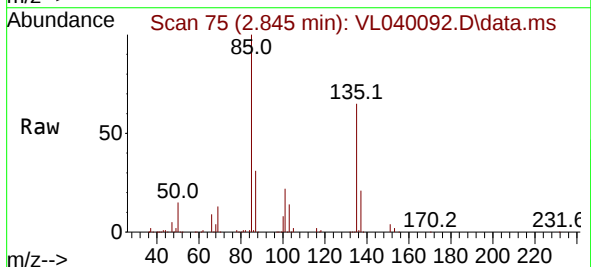
Manual Integrations
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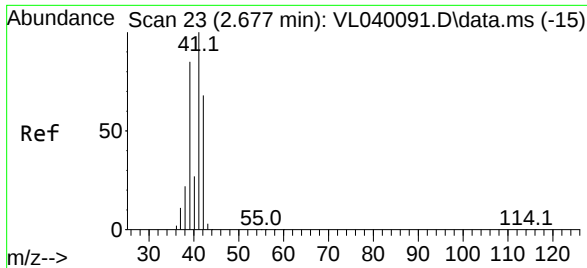
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#8
Dichlorotetrafluoroethane
Concen: 1.688 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

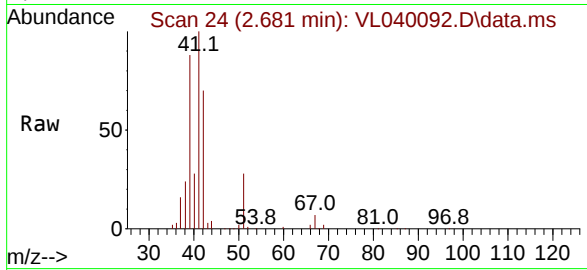
Tgt Ion: 85 Resp: 369047
Ion Ratio Lower Upper
85 100
135 65.9 51.4 77.2





#9
 Propene
 Concen: 1.666 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: VL040092.D
 Acq: 16 Jan 2023 10:58

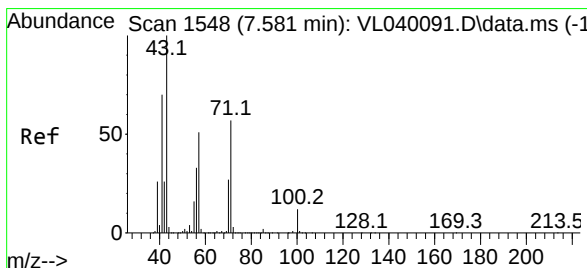
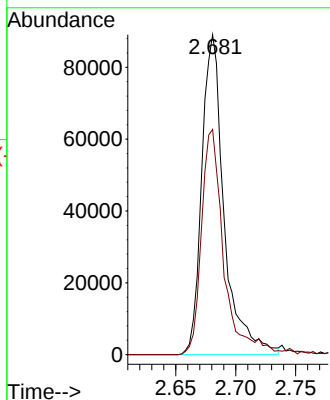
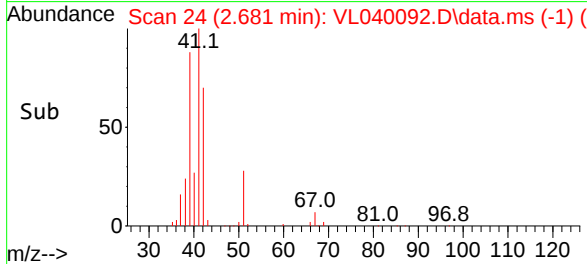
Instrument :
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Tgt Ion: 41 Resp: 11577
 Ion Ratio Lower Upper
 41 100
 42 71.3 55.6 83.4

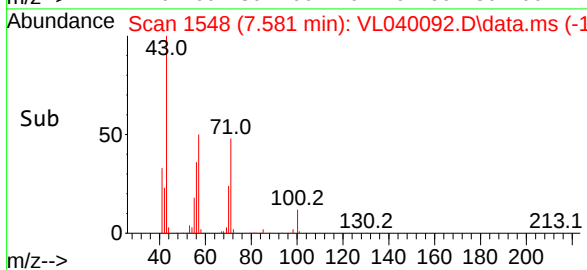
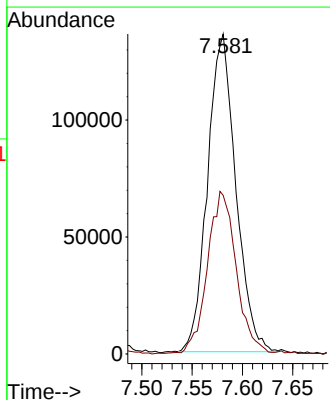
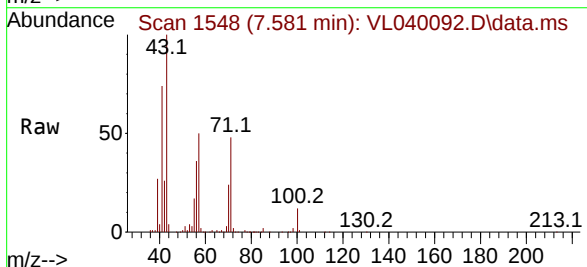
Manual Integrations
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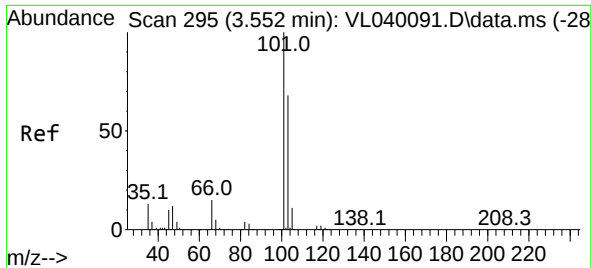
Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023



#10
 Heptane
 Concen: 1.566 ppbv
 RT: 7.581 min Scan# 1548
 Delta R.T. 0.000 min
 Lab File: VL040092.D
 Acq: 16 Jan 2023 10:58

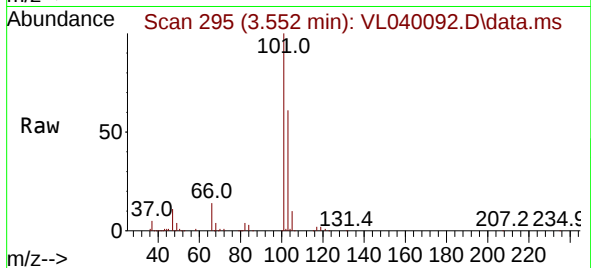
Tgt Ion: 43 Resp: 265619
 Ion Ratio Lower Upper
 43 100
 57 52.9 40.9 61.3





#11
 Trichlorofluoromethane
 Concen: 1.823 ppbv
 RT: 3.552 min Scan# 295
 Delta R.T. 0.000 min
 Lab File: VL040092.D
 Acq: 16 Jan 2023 10:58

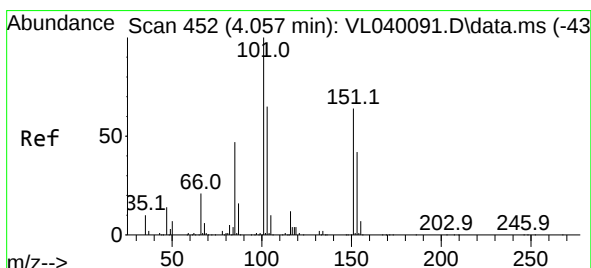
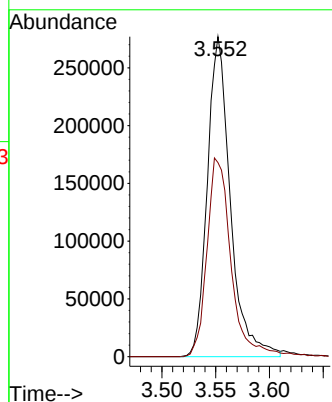
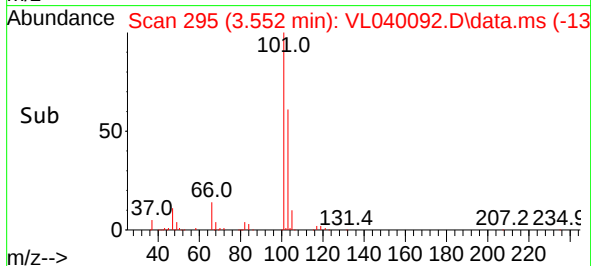
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



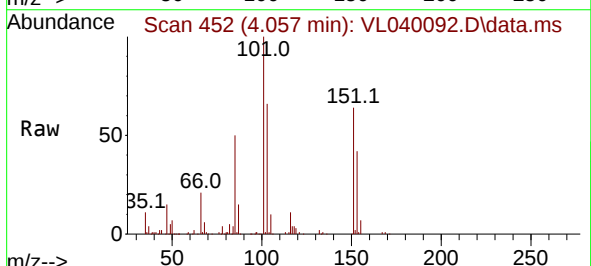
Tgt Ion:101 Resp: 411552
 Ion Ratio Lower Upper
 101 100
 103 60.7 54.0 81.0

Manual Integrations
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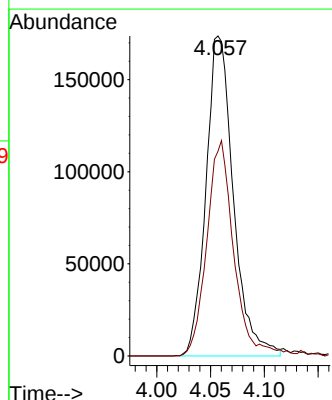
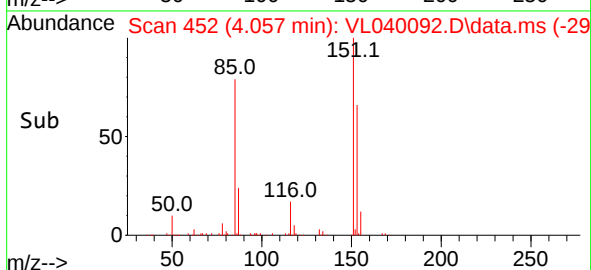
Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023

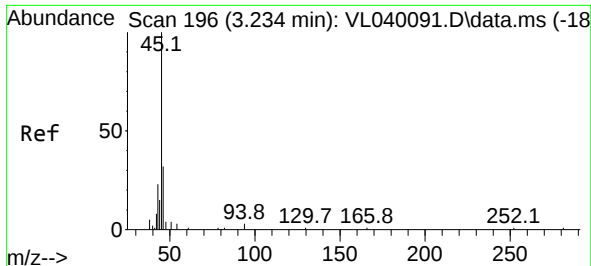


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.804 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. 0.000 min
 Lab File: VL040092.D
 Acq: 16 Jan 2023 10:58



Tgt Ion:101 Resp: 308431
 Ion Ratio Lower Upper
 101 100
 151 66.9 53.2 79.8





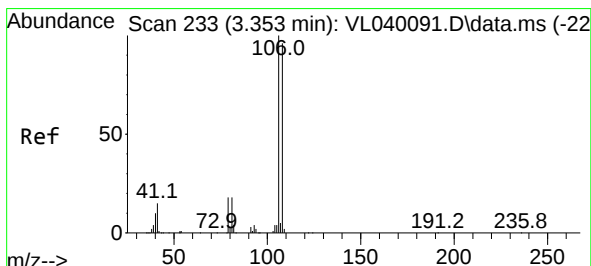
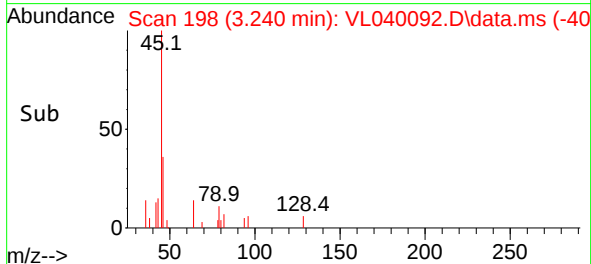
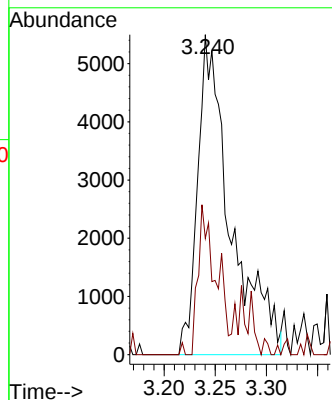
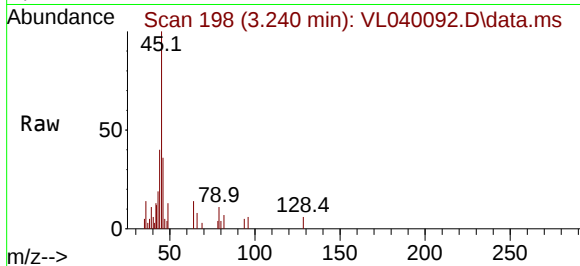
#13
Ethanol
Concen: 1.875 ppbv m
RT: 3.240 min Scan# 196
Delta R.T. 0.007 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 45 Resp: 1226
Ion Ratio Lower Upper
45 100
46 34.6 14.8 59.2

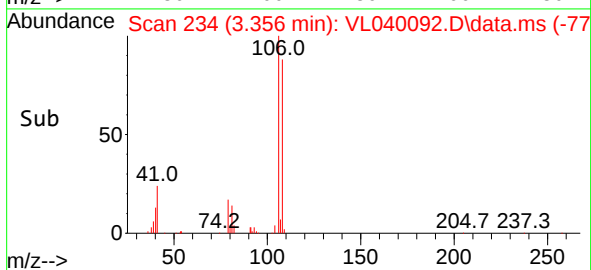
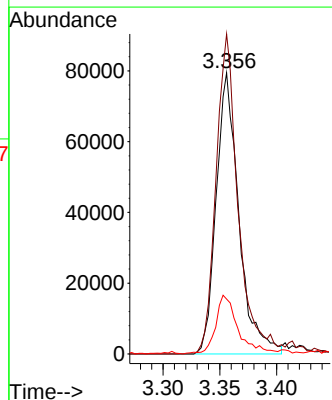
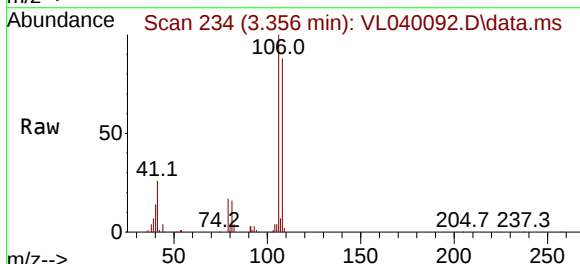
Manual Integrations
APPROVED

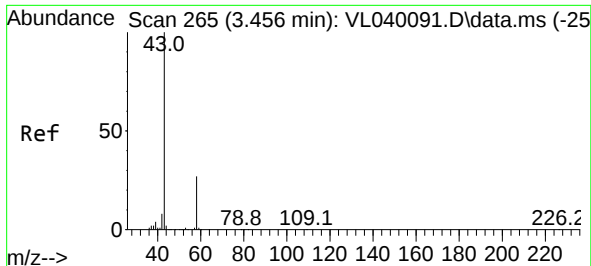
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#14
Bromoethene
Concen: 1.715 ppbv m
RT: 3.356 min Scan# 234
Delta R.T. 0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

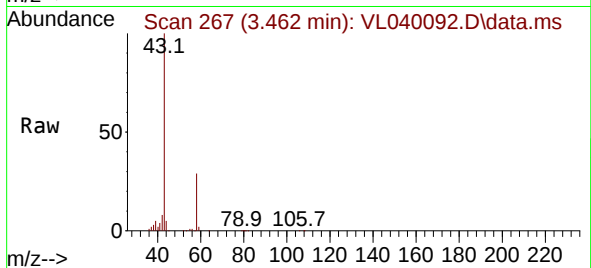
Tgt Ion:108 Resp: 110414
Ion Ratio Lower Upper
108 100
106 115.0 87.0 130.6
79 21.5 16.1 24.1





#15
Acetone
Concen: 1.663 ppbv
RT: 3.462 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

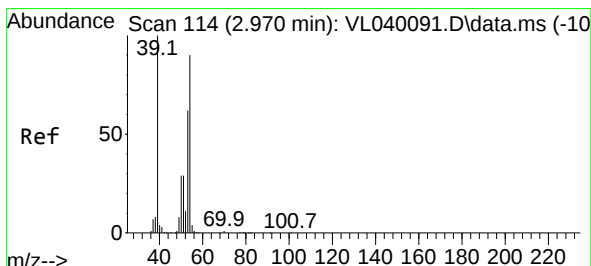
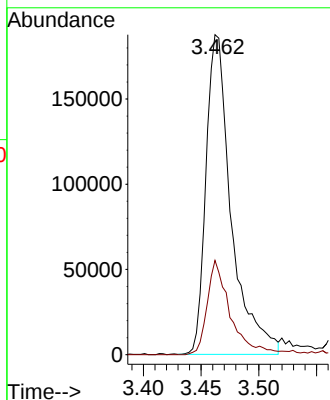
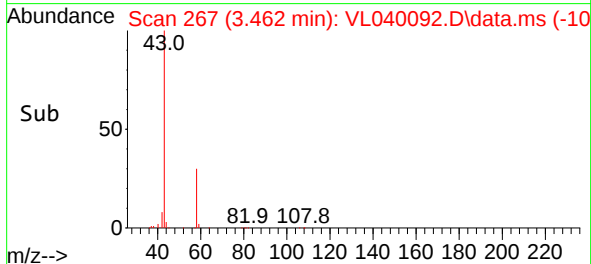
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 43 Resp: 285609
Ion Ratio Lower Upper
43 100
58 27.5 21.8 32.8

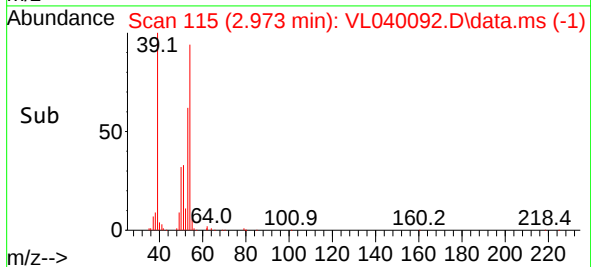
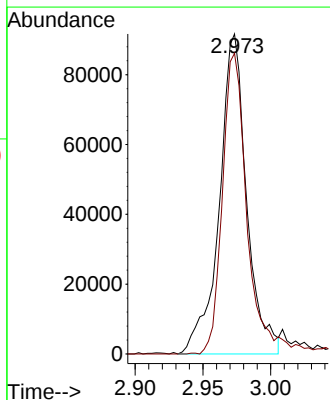
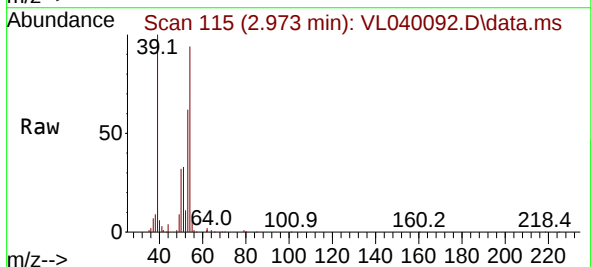
Manual Integrations
APPROVED

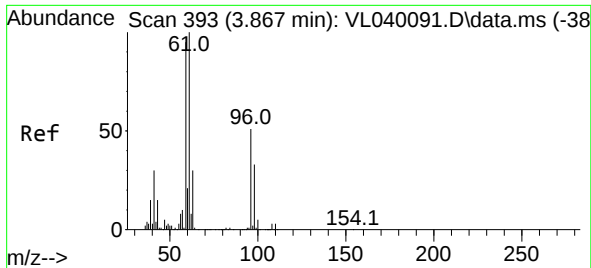
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#16
1,3-Butadiene
Concen: 1.724 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Tgt Ion: 39 Resp: 128645
Ion Ratio Lower Upper
39 100
54 87.2 67.9 101.9





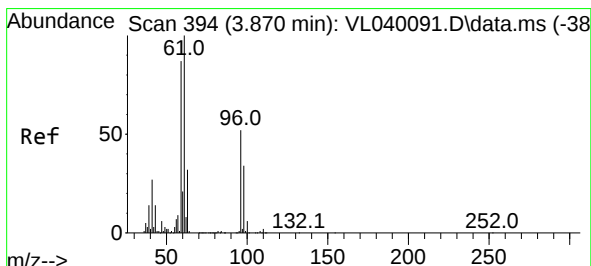
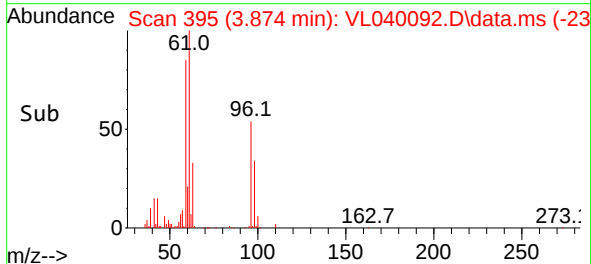
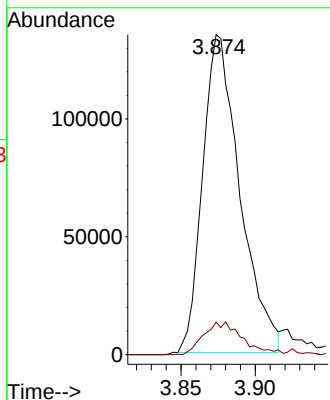
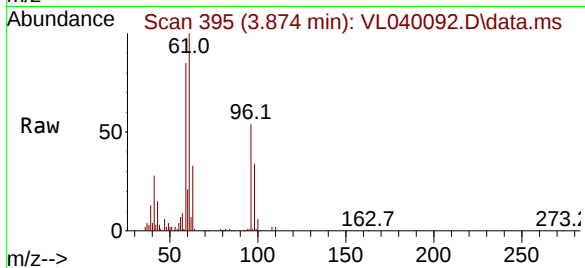
#17
tert-Butyl alcohol
Concen: 1.391 ppbv
RT: 3.874 min Scan# 393
Delta R.T. 0.007 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 23541
Ion Ratio Lower Upper
59 100
57 11.6 8.5 12.7

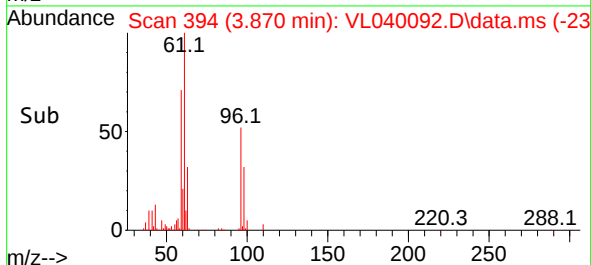
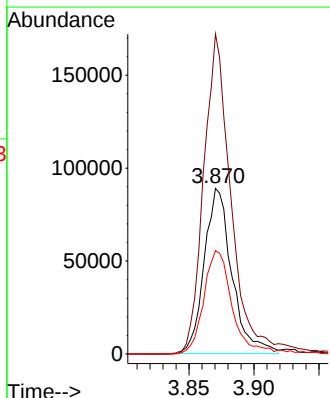
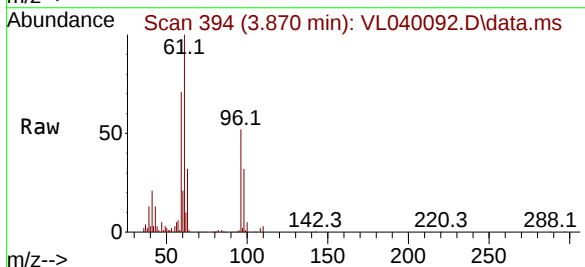
Manual Integrations
APPROVED

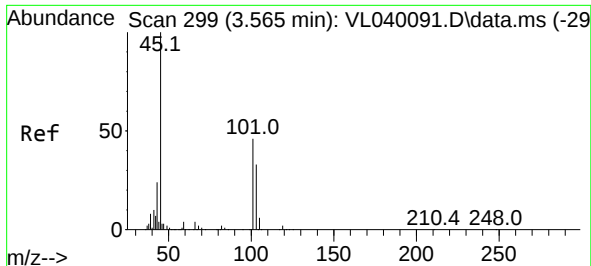
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#18
1,1-Dichloroethene
Concen: 1.770 ppbv
RT: 3.870 min Scan# 394
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Tgt Ion: 96 Resp: 131700
Ion Ratio Lower Upper
96 100
61 192.5 153.0 229.4
98 62.3 52.7 79.1





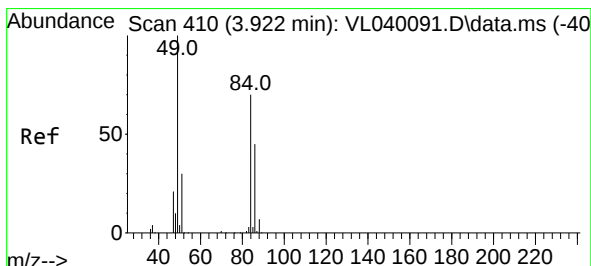
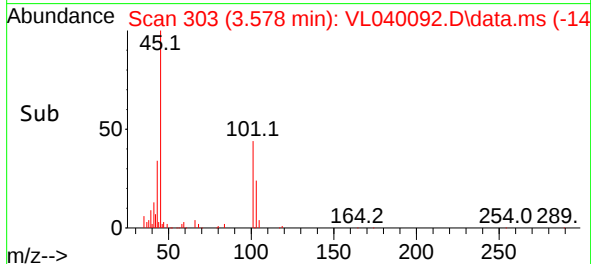
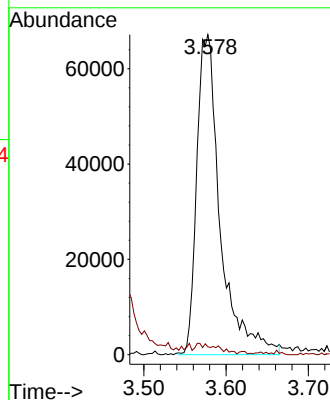
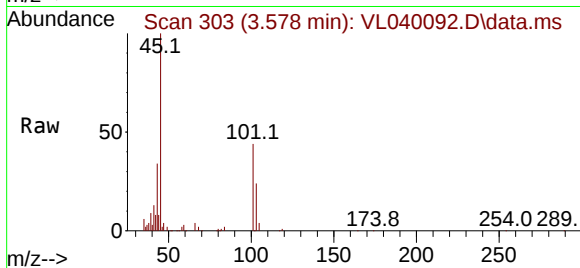
#19
Isopropyl Alcohol
Concen: 1.570 ppbv m
RT: 3.578 min Scan# 303
Delta R.T. 0.013 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 13285
Ion Ratio Lower Upper
45 100
58 3.2 2.6 4.0

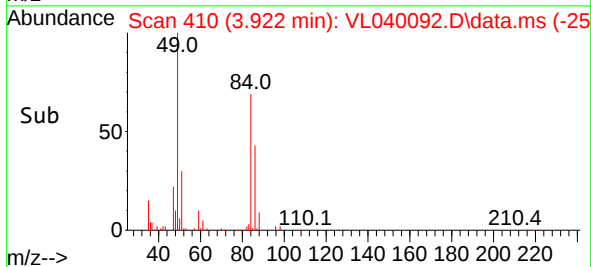
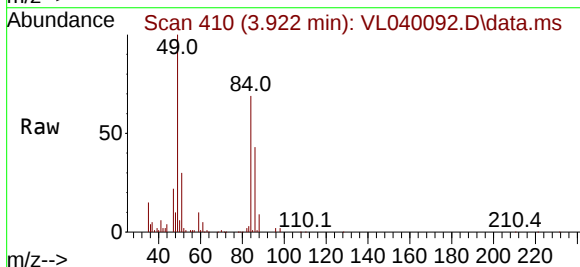
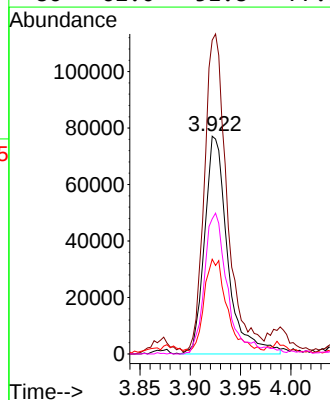
Manual Integrations
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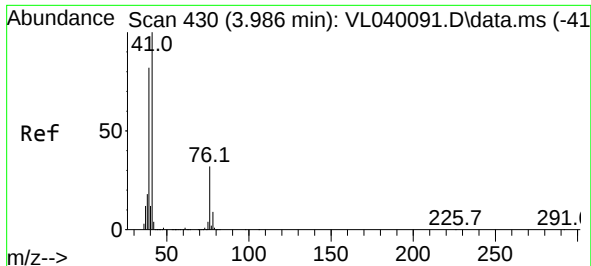
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#20
Methylene Chloride
Concen: 1.690 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

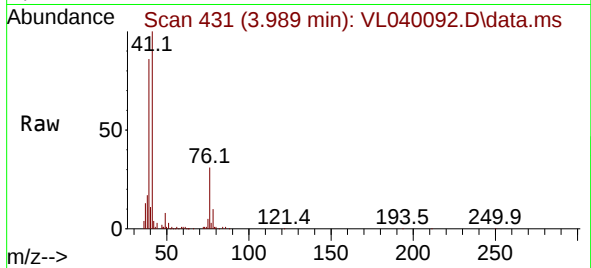
Tgt Ion: 84 Resp: 123348
Ion Ratio Lower Upper
84 100
49 141.4 114.6 171.8
51 41.1 34.3 51.5
86 62.0 51.8 77.8





#21
 Allyl Chloride
 Concen: 1.796 ppbv
 RT: 3.989 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040092.D
 Acq: 16 Jan 2023 10:58

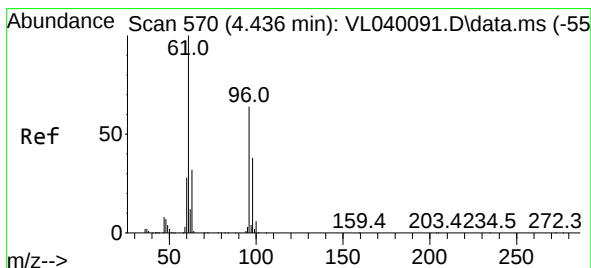
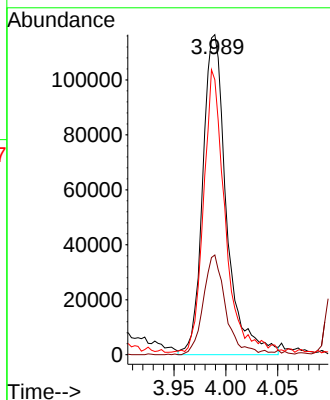
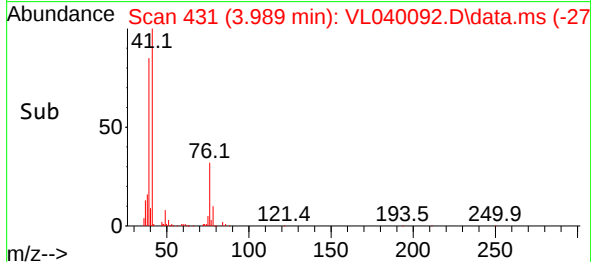
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 41 Resp: 18534
 Ion Ratio Lower Upper
 41 100
 76 30.2 25.9 38.9
 39 81.4 66.8 100.2

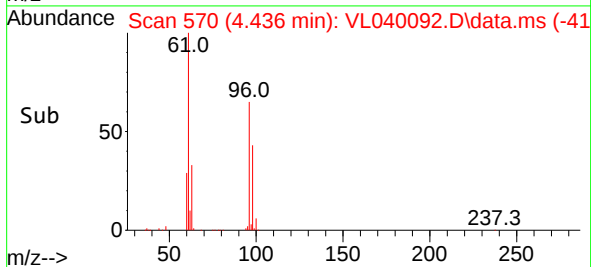
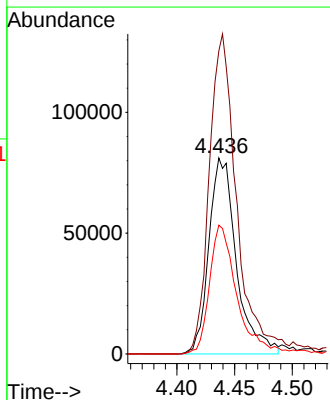
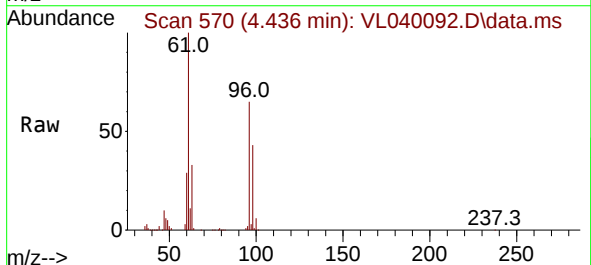
Manual Integrations
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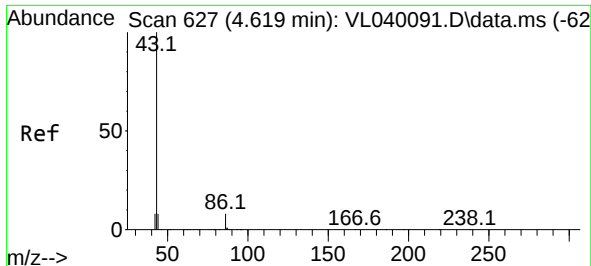
Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023



#22
 trans-1,2-Dichloroethene
 Concen: 1.817 ppbv
 RT: 4.436 min Scan# 570
 Delta R.T. 0.000 min
 Lab File: VL040092.D
 Acq: 16 Jan 2023 10:58

Tgt Ion: 96 Resp: 134799
 Ion Ratio Lower Upper
 96 100
 61 154.6 125.8 188.8
 98 65.7 47.4 71.2





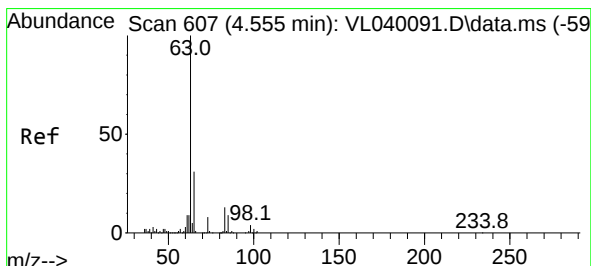
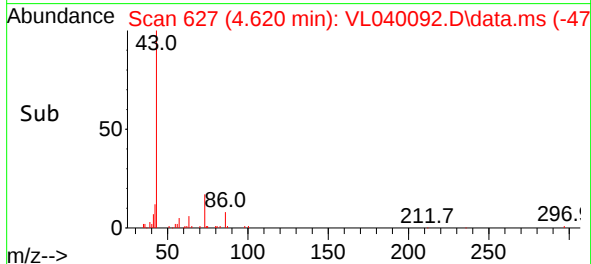
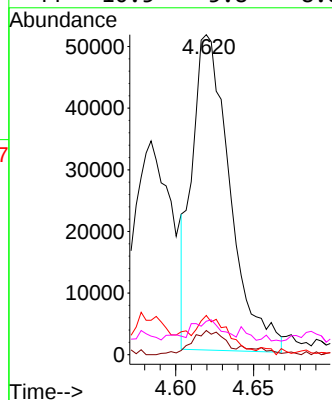
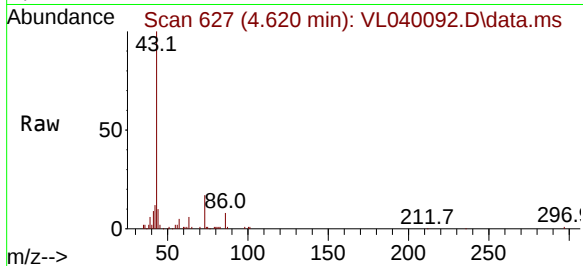
#23
 Vinyl Acetate
 Concen: 1.589 ppbv m
 RT: 4.620 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL040092.D
 Acq: 16 Jan 2023 10:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 43 Resp: 86498
 Ion Ratio Lower Upper
 43 100
 86 7.6 5.6 8.4
 42 12.3 7.7 11.5
 44 10.5 5.8 8.8#

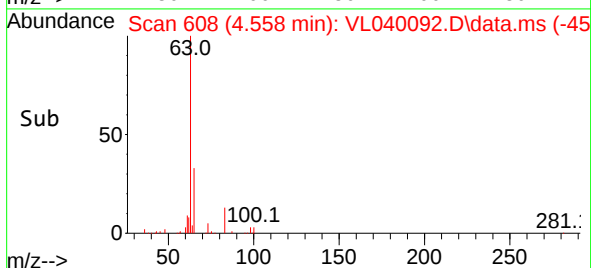
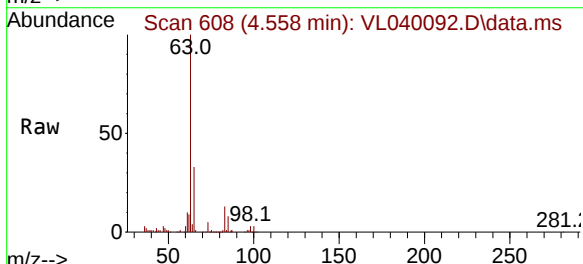
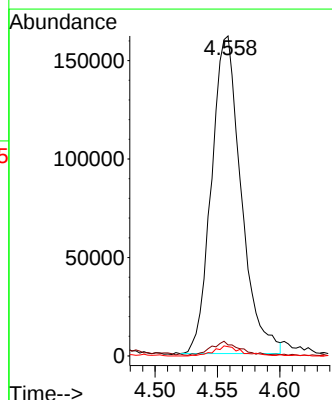
Manual Integrations
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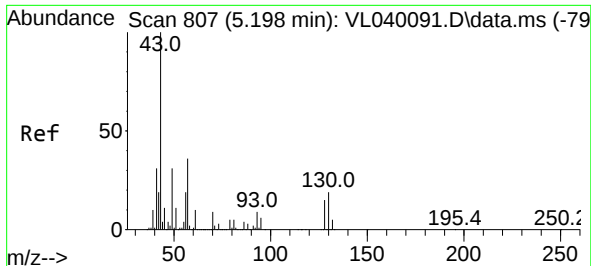
Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023



#24
 1,1-Dichloroethane
 Concen: 1.673 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.003 min
 Lab File: VL040092.D
 Acq: 16 Jan 2023 10:58

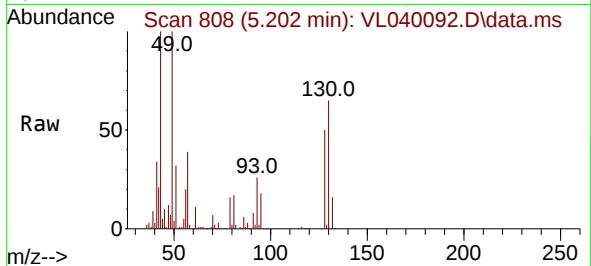
Tgt Ion: 63 Resp: 267389
 Ion Ratio Lower Upper
 63 100
 98 3.0 2.0 5.8
 100 2.9 1.1 3.5





#25
Ethyl Acetate
Concen: 1.674 ppbv
RT: 5.202 min Scan# 807
Delta R.T. 0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

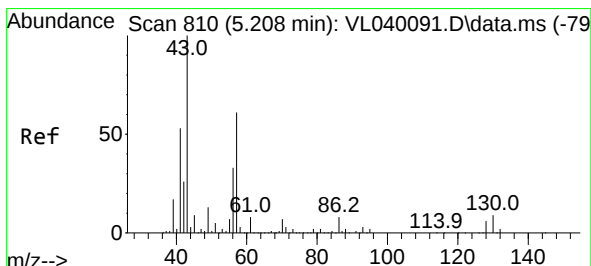
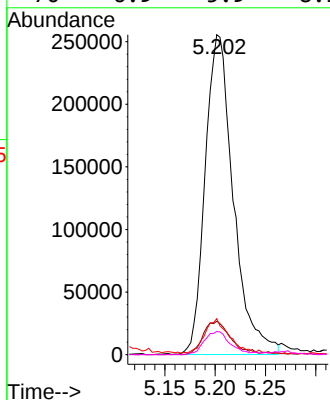
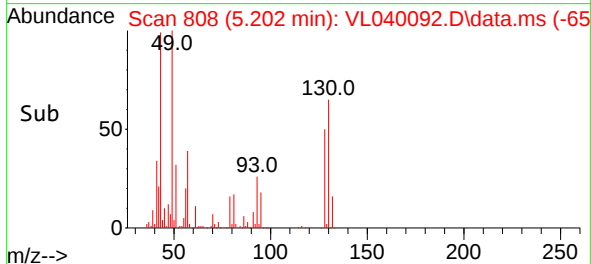
Instrument :
MSVOA_L
Client Sample Id :
VSTDIC002



Tgt Ion: 43 Resp: 497800
Ion Ratio Lower Upper
43 100
45 11.2 8.5 12.7
61 9.7 8.4 12.6
70 6.9 5.9 8.9

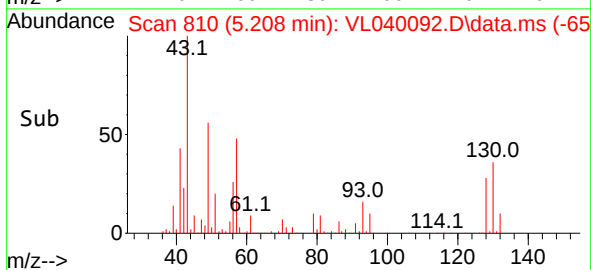
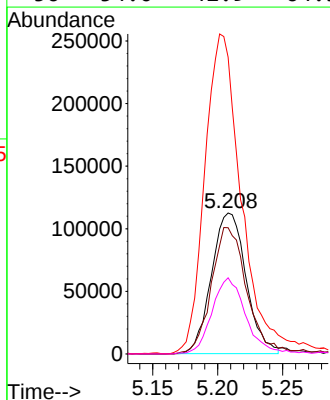
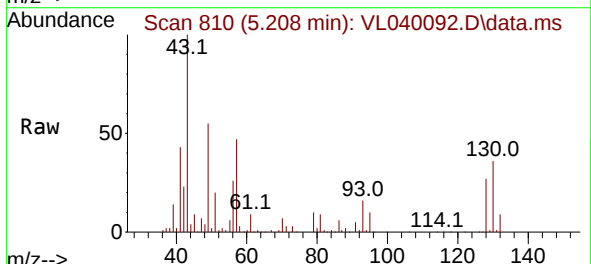
Manual Integrations
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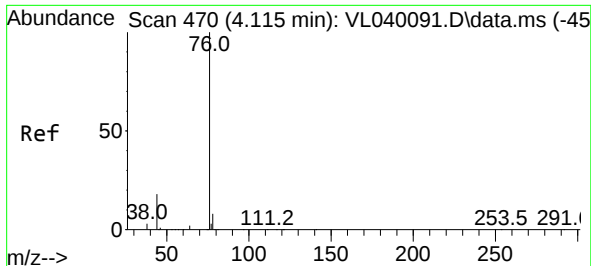
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#26
Hexane
Concen: 1.667 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

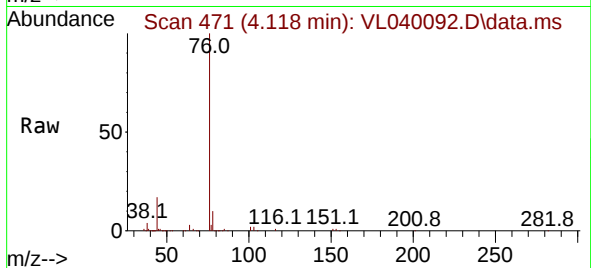
Tgt Ion: 57 Resp: 208344
Ion Ratio Lower Upper
57 100
41 94.6 72.2 108.4
43 245.7 192.1 288.1
56 54.0 42.9 64.3





#27
Carbon Disulfide
Concen: 1.738 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

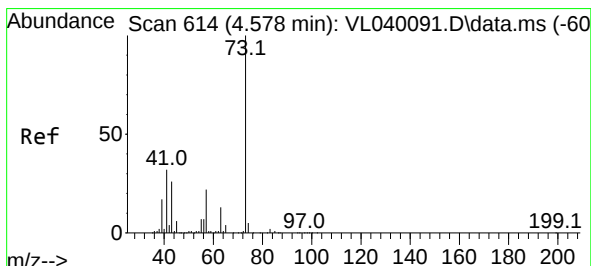
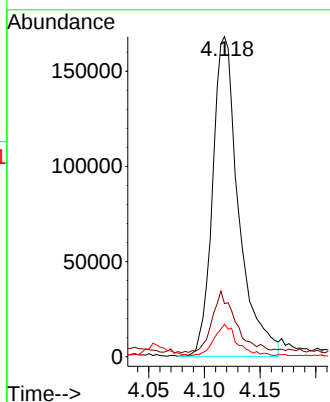
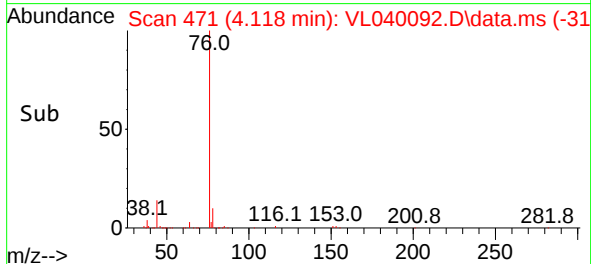
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 76 Resp: 27396
Ion Ratio Lower Upper
76 100
44 17.5 14.9 22.3
78 9.7 8.2 12.2

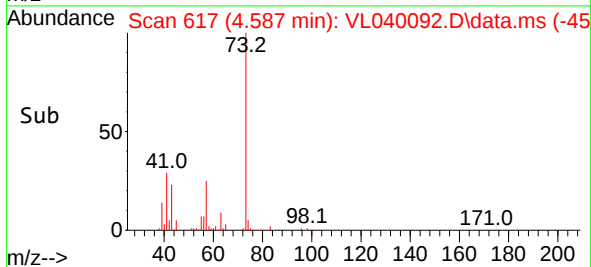
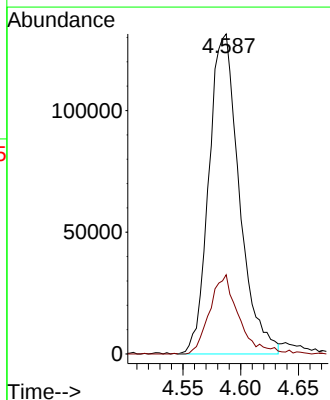
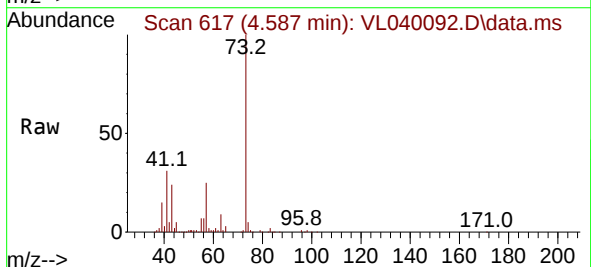
Manual Integrations
APPROVED

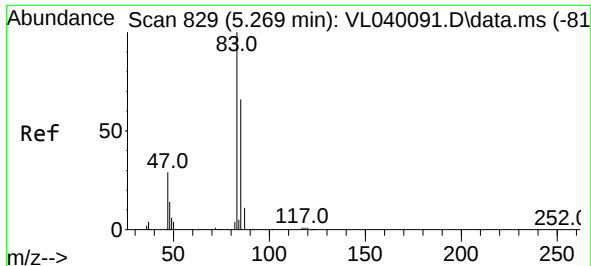
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#28
Methyl tert-Butyl Ether
Concen: 1.634 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.010 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Tgt Ion: 73 Resp: 240656
Ion Ratio Lower Upper
73 100
57 24.0 18.3 27.5





#29

Chloroform

Concen: 1.747 ppbv

RT: 5.269 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040092.D

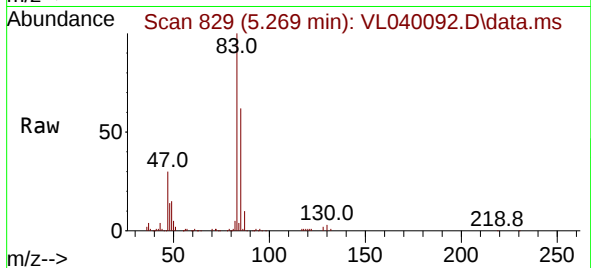
Acq: 16 Jan 2023 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002



Tgt Ion: 83 Resp: 33316

Ion Ratio Lower Upper

83 100

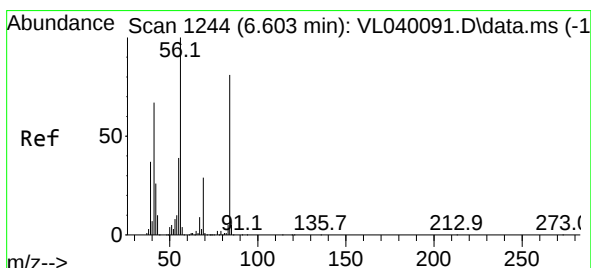
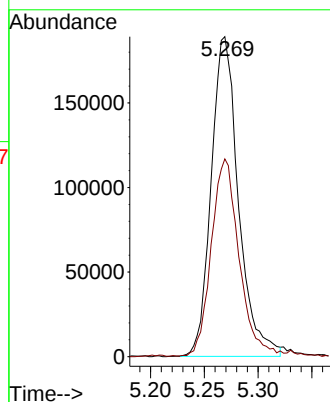
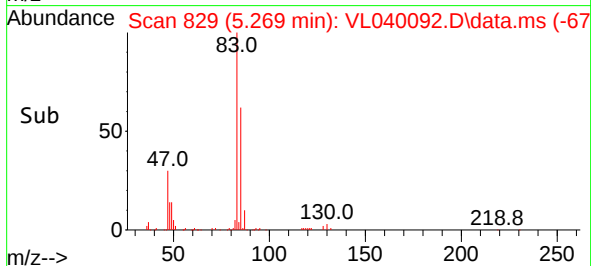
85 61.6 53.1 79.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#30

Cyclohexane

Concen: 1.528 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

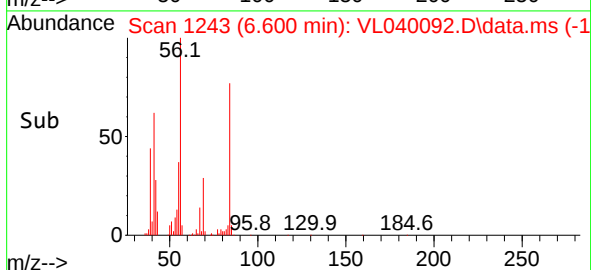
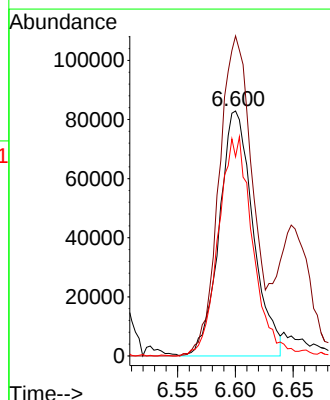
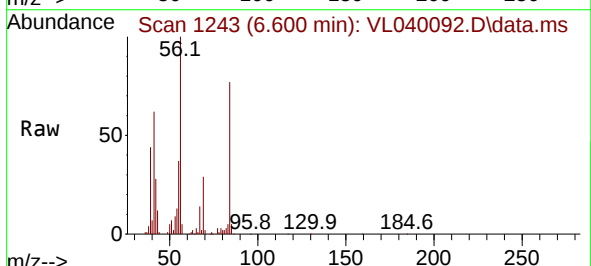
Tgt Ion: 84 Resp: 169152

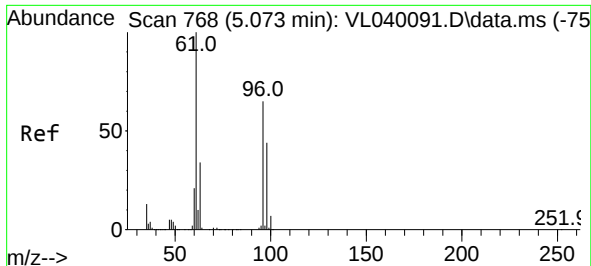
Ion Ratio Lower Upper

84 100

56 134.9 111.5 167.3

41 91.4 71.4 107.0





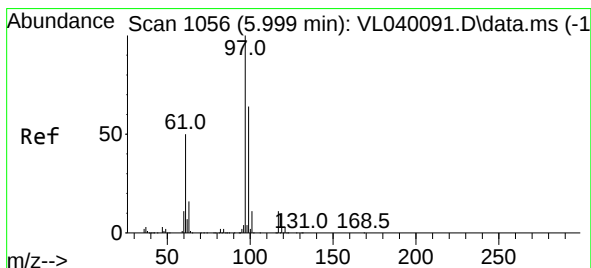
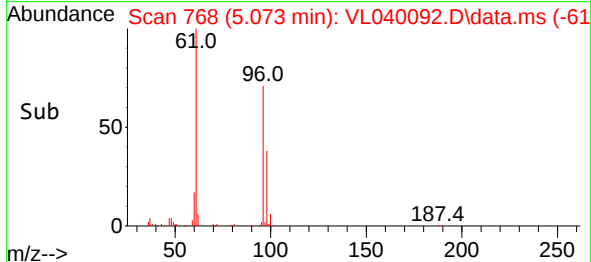
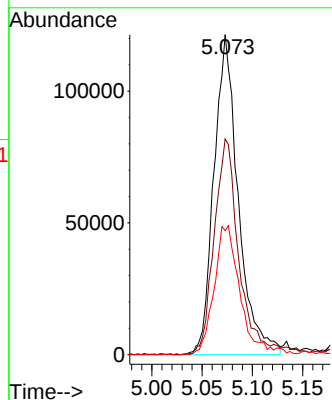
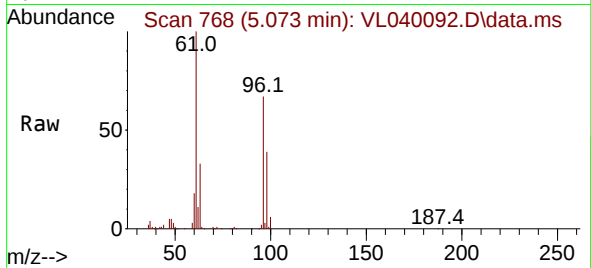
#31
 cis-1,2-Dichloroethene
 Concen: 1.714 ppbv
 RT: 5.073 min Scan# 768
 Delta R.T. 0.000 min
 Lab File: VL040092.D
 Acq: 16 Jan 2023 10:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 61 Resp: 203960
 Ion Ratio Lower Upper
 61 100
 96 67.5 52.0 78.0
 98 38.7 35.3 52.9

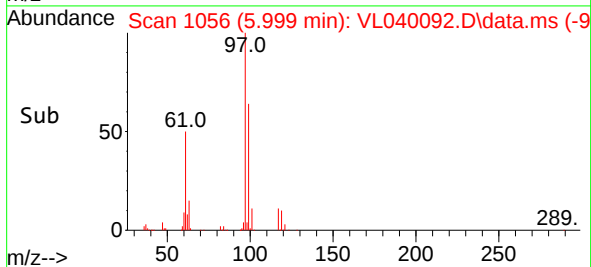
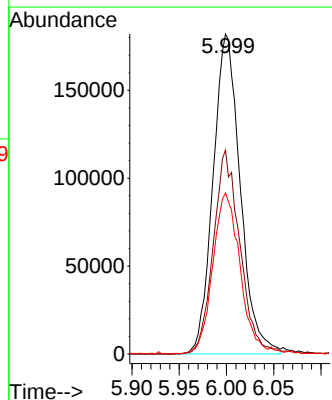
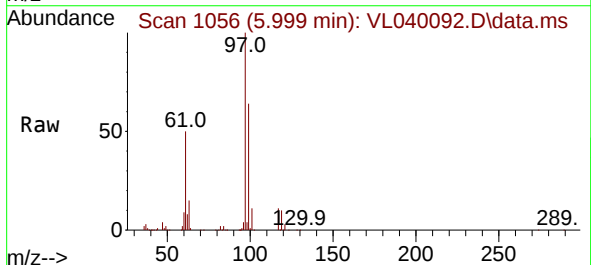
Manual Integrations
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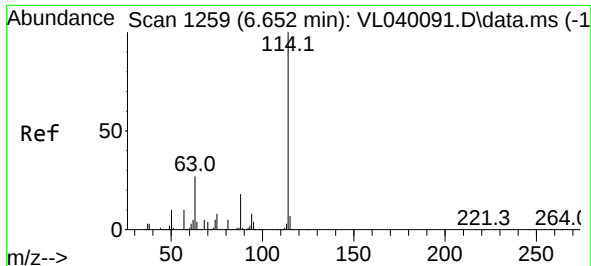
Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023



#32
 1,1,1-Trichloroethane
 Concen: 1.782 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. 0.000 min
 Lab File: VL040092.D
 Acq: 16 Jan 2023 10:58

Tgt Ion: 97 Resp: 363880
 Ion Ratio Lower Upper
 97 100
 99 62.8 51.8 77.6
 61 51.3 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VL040092.D

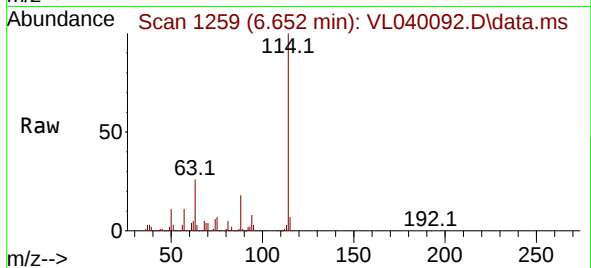
Acq: 16 Jan 2023 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002



Tgt Ion:114 Resp: 2986030

Ion Ratio Lower Upper

114 100

63 25.9 21.8 32.8

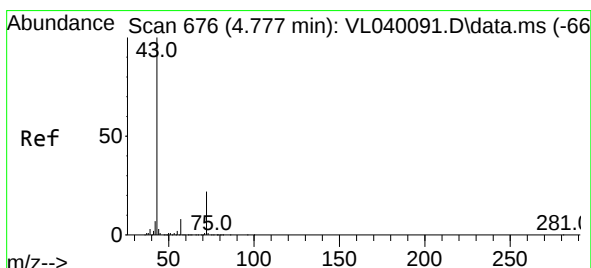
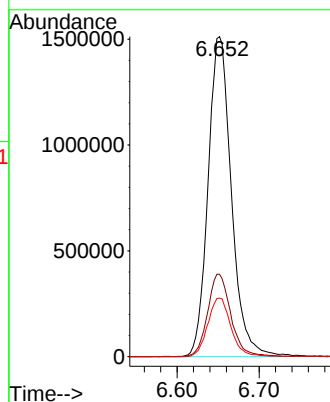
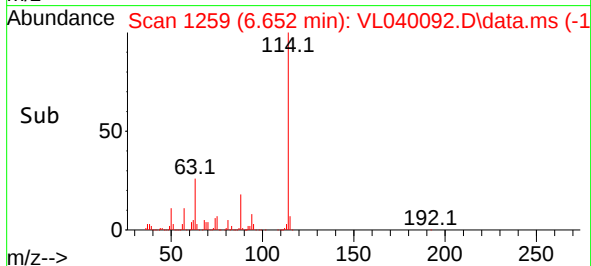
88 18.4 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#34

2-Butanone

Concen: 1.757 ppbv

RT: 4.784 min Scan# 678

Delta R.T. 0.006 min

Lab File: VL040092.D

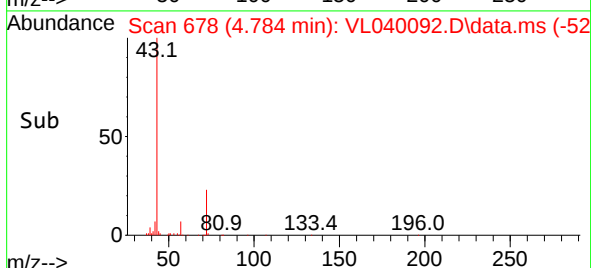
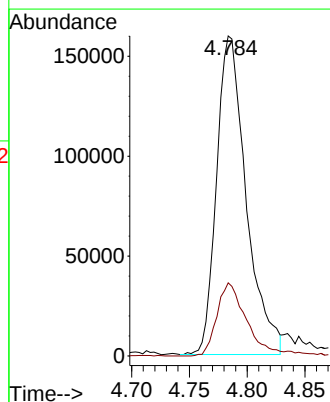
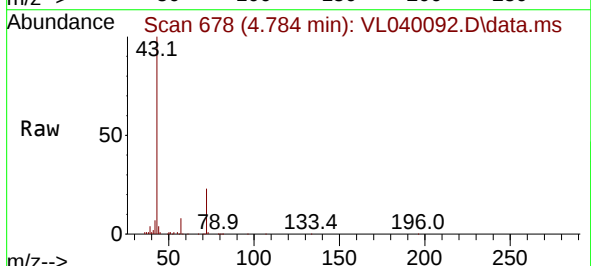
Acq: 16 Jan 2023 10:58

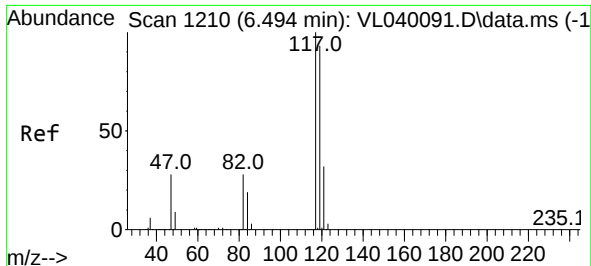
Tgt Ion: 43 Resp: 284681

Ion Ratio Lower Upper

43 100

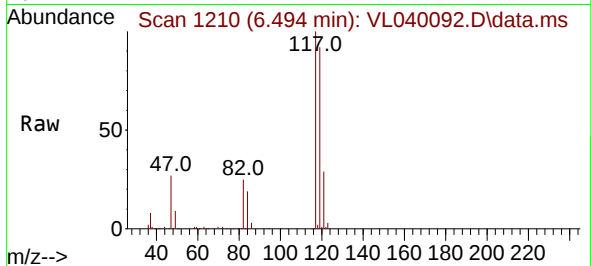
72 24.2 18.4 27.6





#35
Carbon Tetrachloride
Concen: 2.005 ppbv
RT: 6.494 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

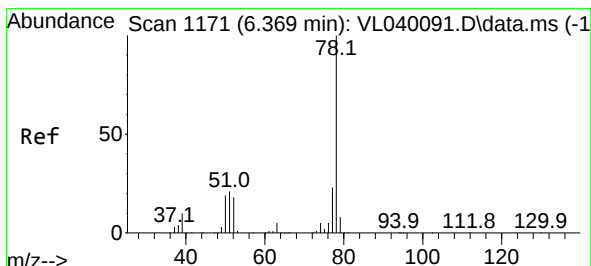
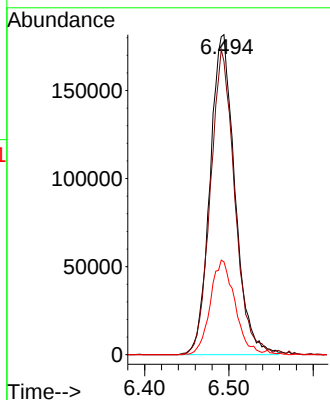
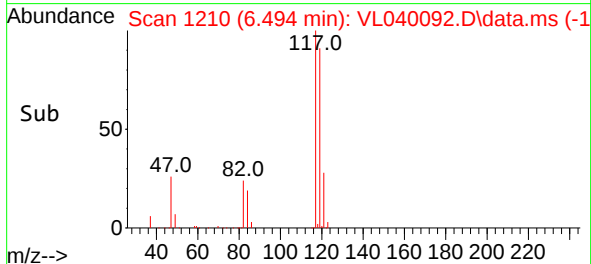
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 117 Resp: 371815
Ion Ratio Lower Upper
117 100
119 91.7 74.5 111.7
121 29.0 25.4 38.0

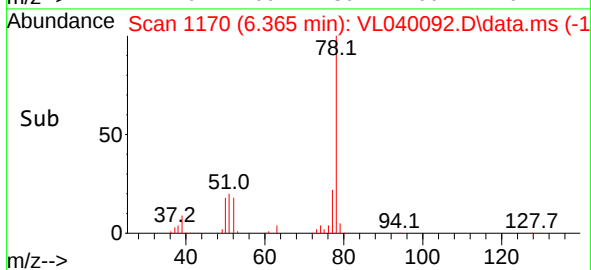
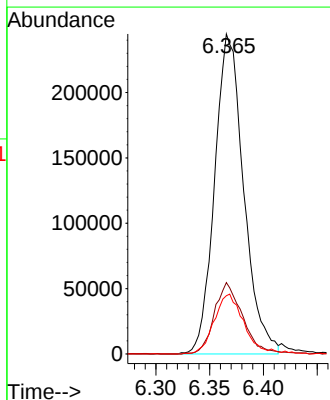
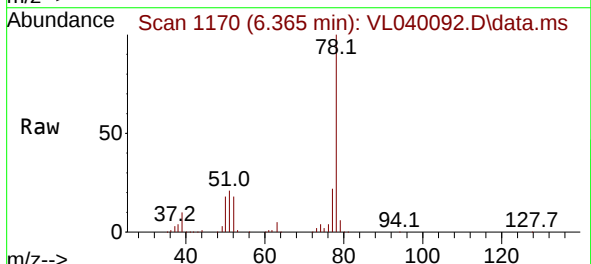
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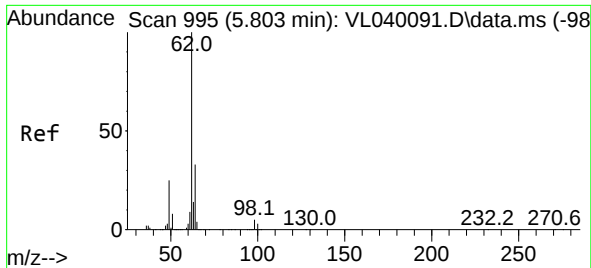
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#36
Benzene
Concen: 1.724 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Tgt Ion: 78 Resp: 459678
Ion Ratio Lower Upper
78 100
77 22.3 18.1 27.1
50 18.2 15.6 23.4





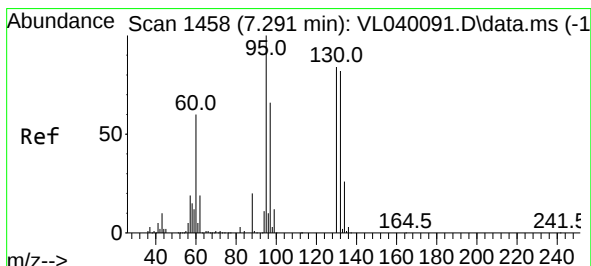
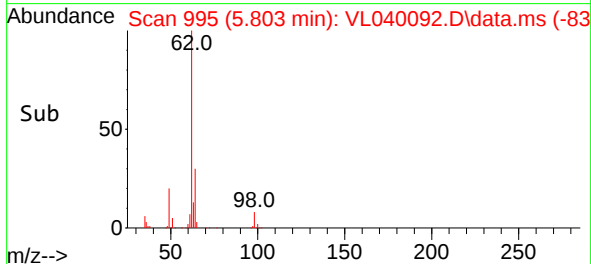
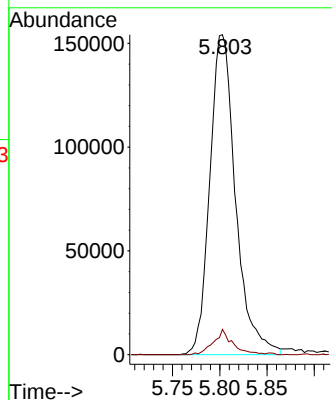
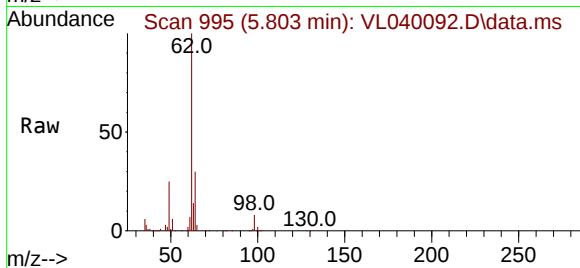
#37
1,2-Dichloroethane
Concen: 1.872 ppbv
RT: 5.803 min Scan# 995
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 62 Resp: 29279
Ion Ratio Lower Upper
62 100
98 6.0 4.4 6.6

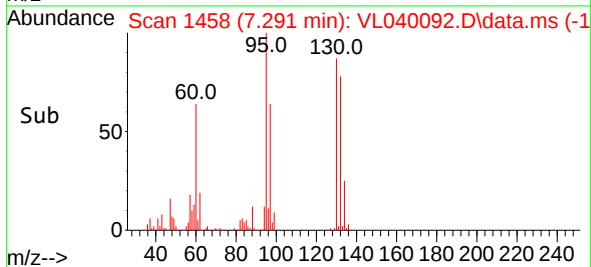
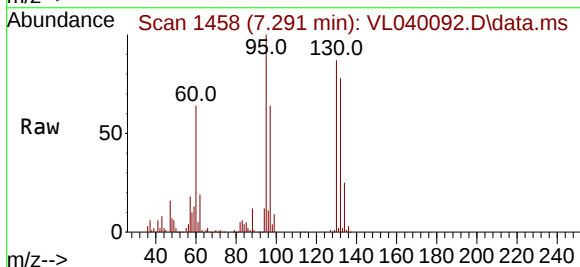
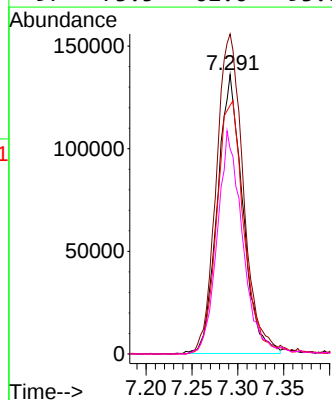
Manual Integrations
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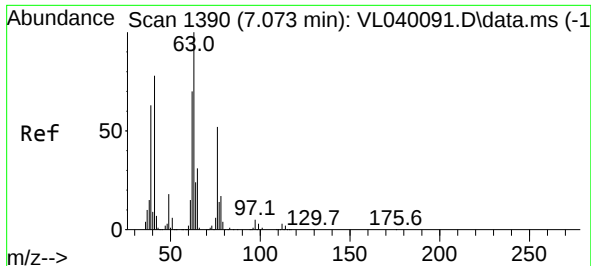
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#38
Trichloroethene
Concen: 1.903 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Tgt Ion:130 Resp: 260784
Ion Ratio Lower Upper
130 100
95 114.5 95.0 142.6
132 89.1 77.9 116.9
97 73.5 62.6 93.8





#39

1,2-Dichloropropane

Concen: 1.748 ppbv

RT: 7.073 min Scan# 1390

Delta R.T. 0.000 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 63 Resp: 17473

Ion Ratio Lower Upper

63 100

41 72.9 62.2 93.4

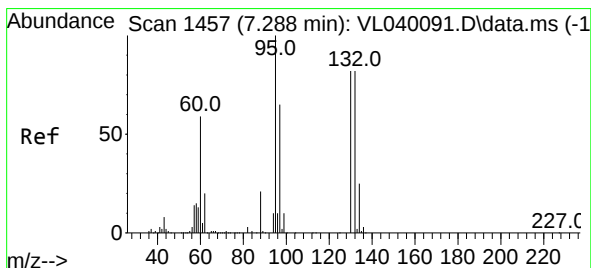
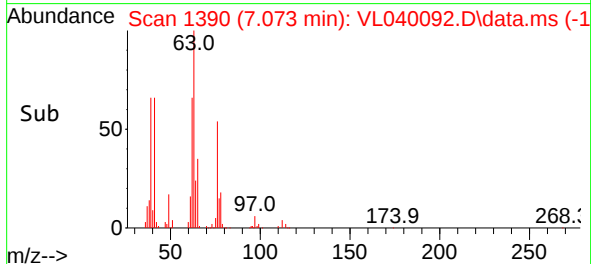
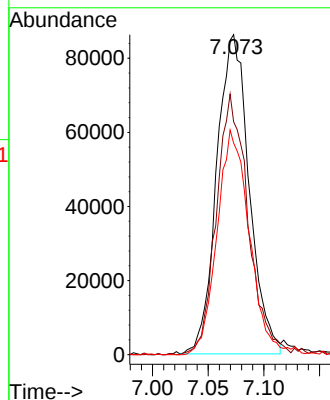
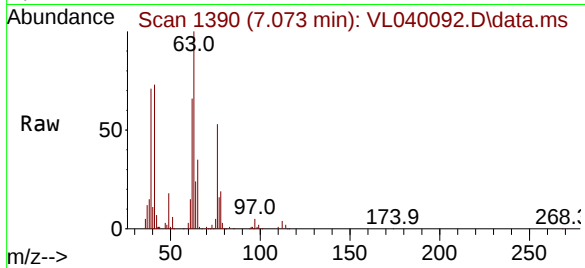
62 66.3 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#40

1,4-Dioxane

Concen: 1.508 ppbv m

RT: 7.295 min Scan# 1459

Delta R.T. 0.007 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

Tgt Ion: 88 Resp: 67938

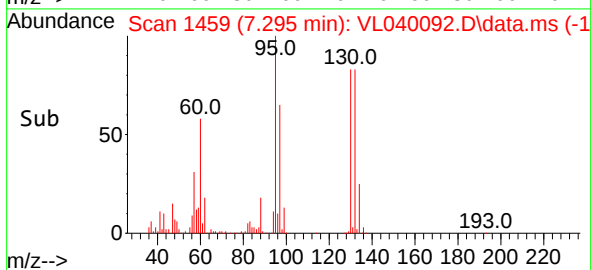
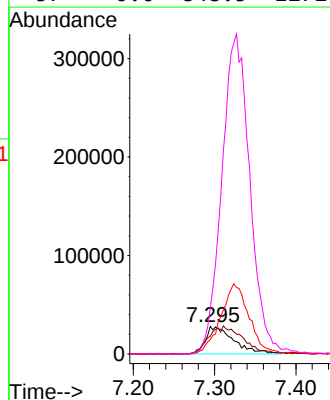
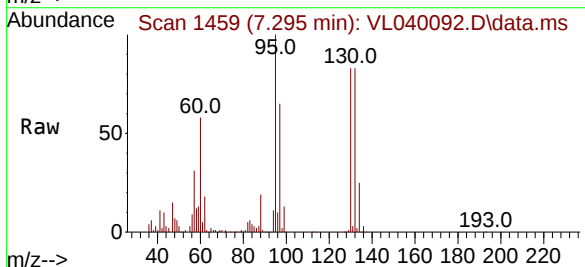
Ion Ratio Lower Upper

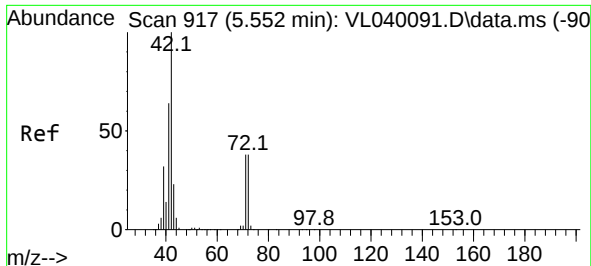
88 100

58 0.0 97.5 146.3#

43 0.0 195.0 292.4#

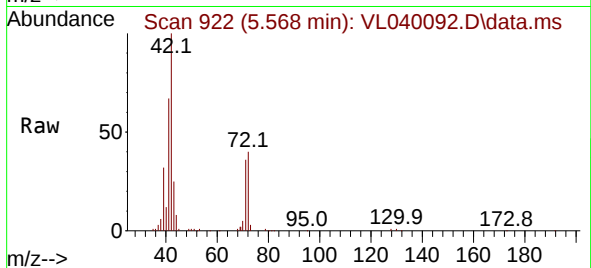
57 0.0 848.5 1272.7#





#41
Tetrahydrofuran
Concen: 1.609 ppbv
RT: 5.568 min Scan# 917
Delta R.T. 0.016 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

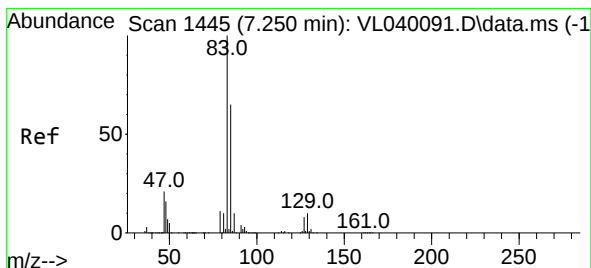
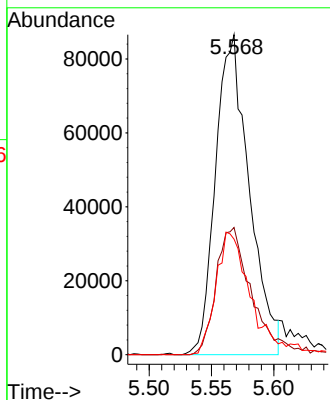
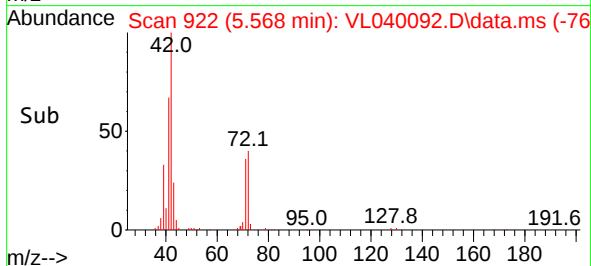
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



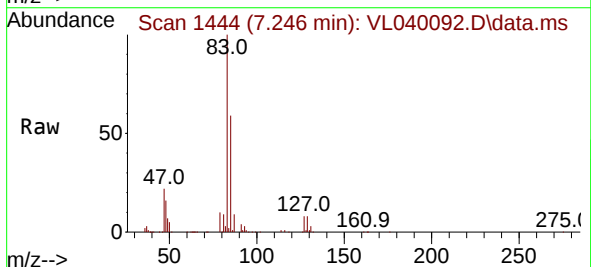
Tgt Ion: 42 Resp: 162650
Ion Ratio Lower Upper
42 100
72 43.6 31.9 47.9
71 41.2 31.4 47.2

Manual Integrations
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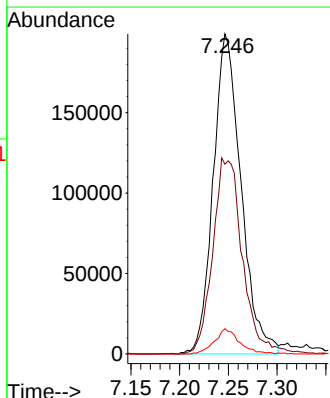
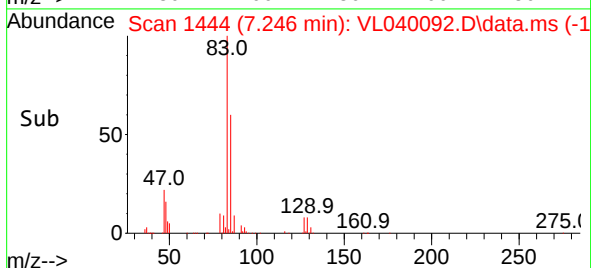
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

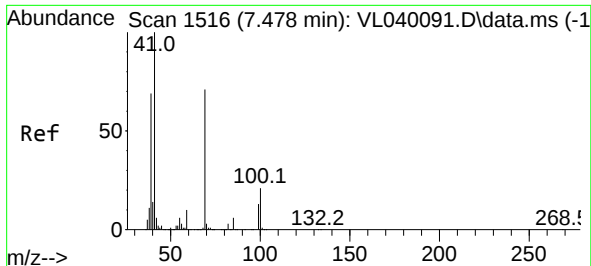


#42
Bromodichloromethane
Concen: 1.842 ppbv
RT: 7.246 min Scan# 1444
Delta R.T. -0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58



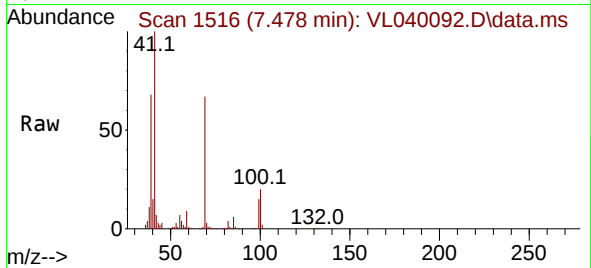
Tgt Ion: 83 Resp: 394746
Ion Ratio Lower Upper
83 100
85 59.3 51.7 77.5
127 7.9 6.2 9.2





#43
Methyl Methacrylate
Concen: 1.650 ppbv
RT: 7.478 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

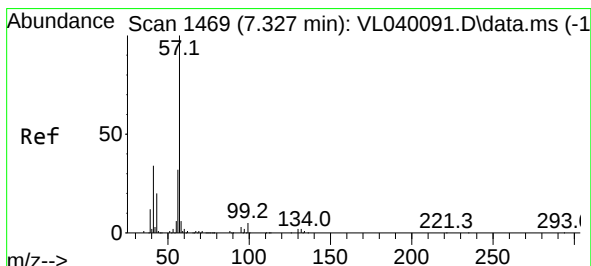
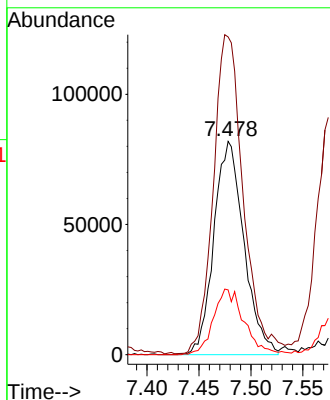
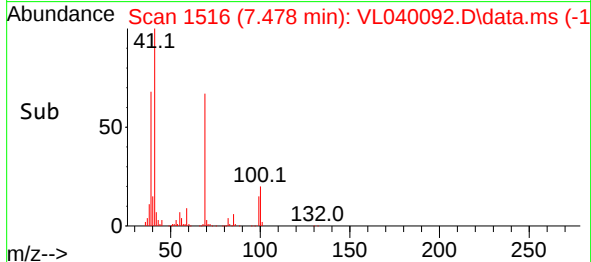
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



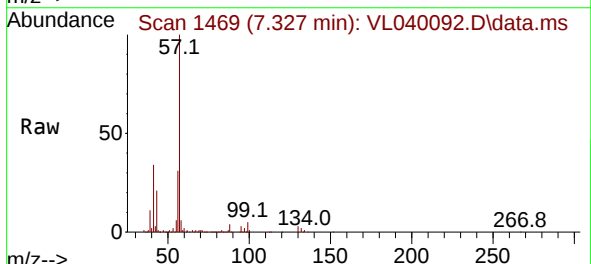
Tgt Ion: 69 Resp: 165092
Ion Ratio Lower Upper
69 100
41 149.1 118.2 177.2
100 31.4 24.2 36.4

Manual Integrations
APPROVED

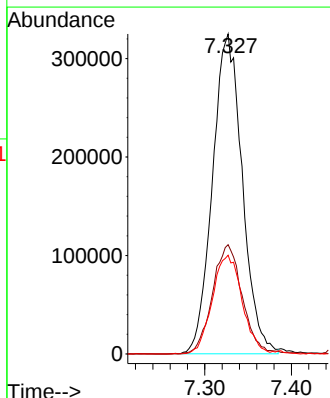
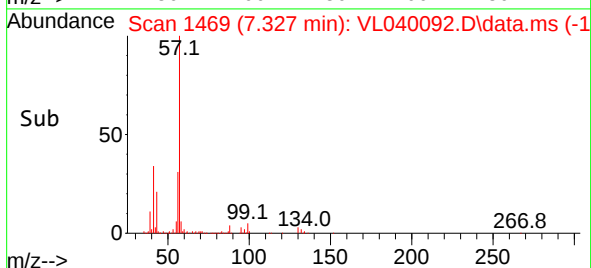
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

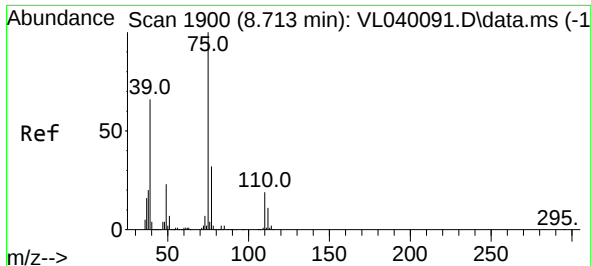


#44
2,2,4-Trimethylpentane
Concen: 1.764 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58



Tgt Ion: 57 Resp: 774510
Ion Ratio Lower Upper
57 100
41 34.6 27.1 40.7
56 31.5 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 1.611 ppbv m

RT: 8.713 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 75 Resp: 13624

Ion Ratio Lower Upper

75 100

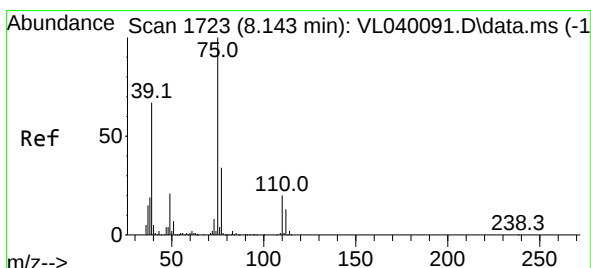
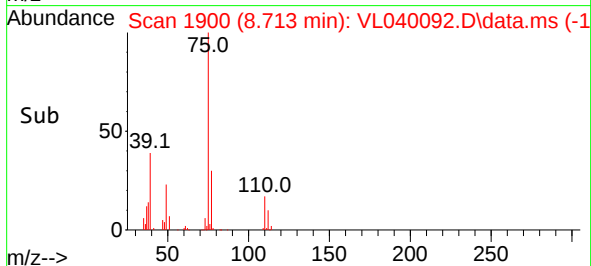
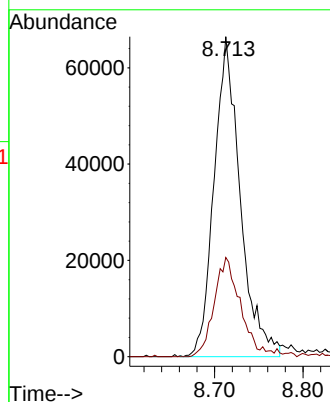
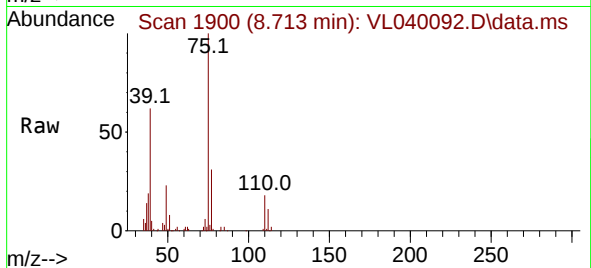
77 31.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#46

cis-1,3-Dichloropropene

Concen: 1.676 ppbv

RT: 8.144 min Scan# 1723

Delta R.T. 0.000 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

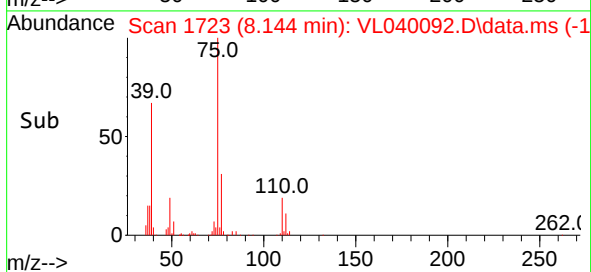
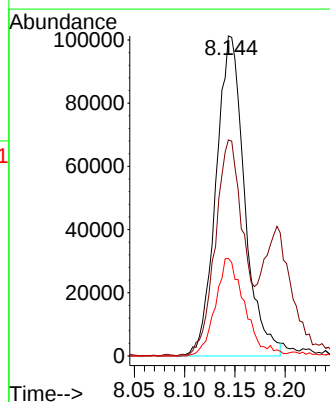
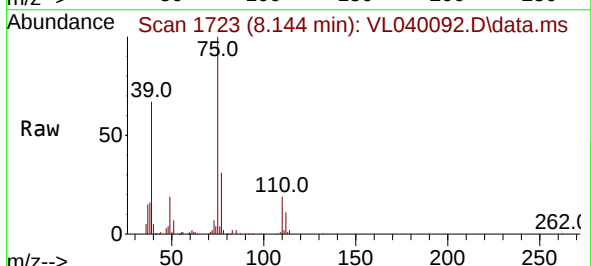
Tgt Ion: 75 Resp: 200011

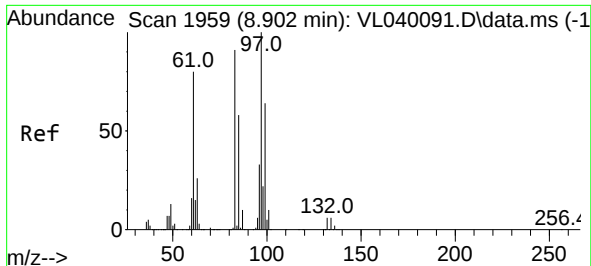
Ion Ratio Lower Upper

75 100

39 67.1 53.6 80.4

77 30.5 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 1.706 ppbv

RT: 8.899 min Scan# 1958

Delta R.T. -0.003 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 18680

Ion Ratio Lower Upper

97 100

83 86.8 72.9 109.3

85 55.9 46.0 69.0

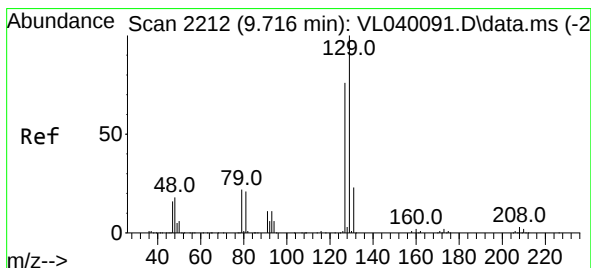
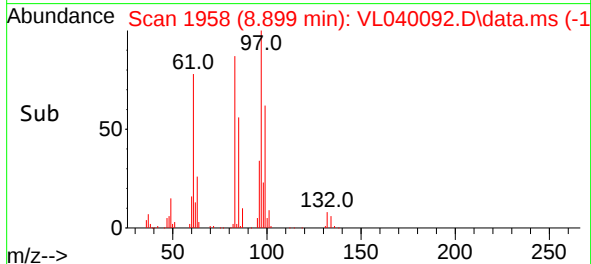
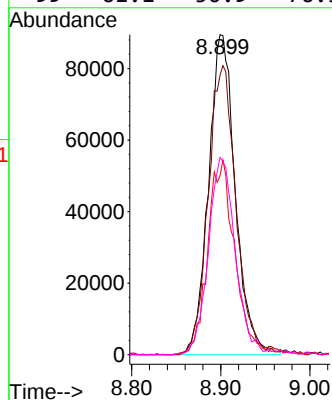
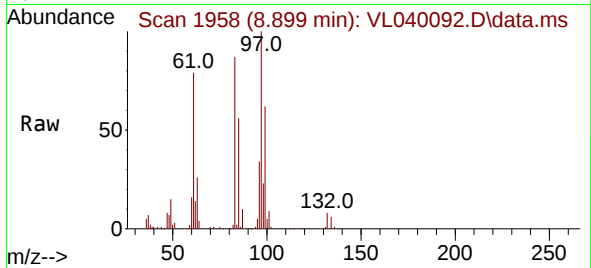
99 61.1 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#48

Dibromochloromethane

Concen: 1.762 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. -0.006 min

Lab File: VL040092.D

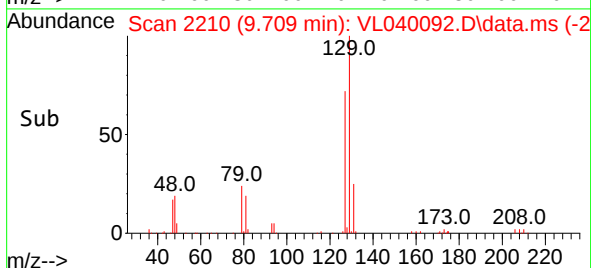
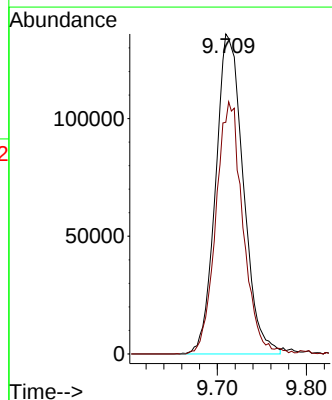
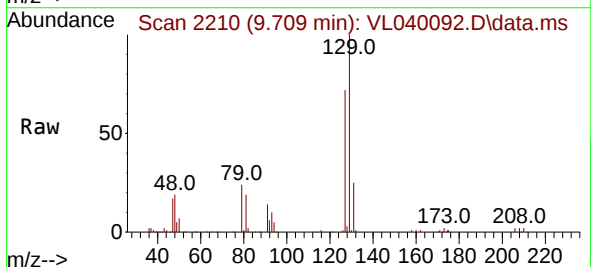
Acq: 16 Jan 2023 10:58

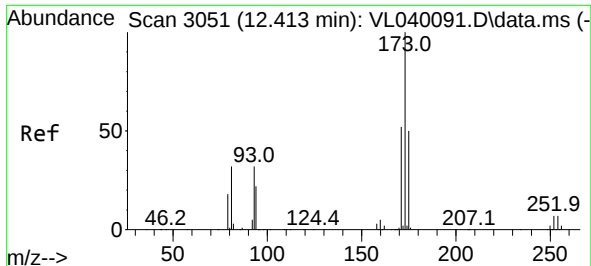
Tgt Ion:129 Resp: 293339

Ion Ratio Lower Upper

129 100

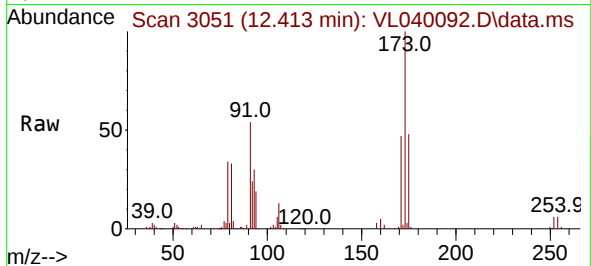
127 77.9 39.3 117.9





#49
Bromoform
Concen: 1.765 ppbv
RT: 12.413 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

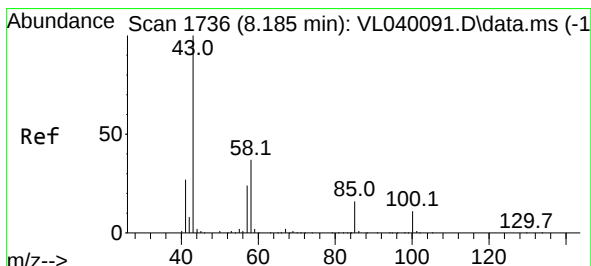
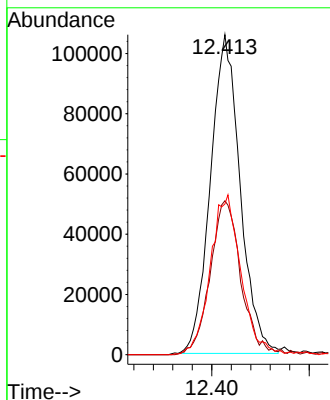
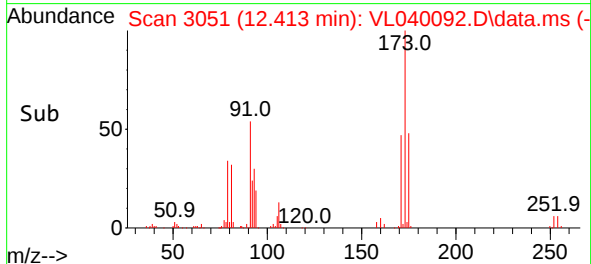
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 173 Resp: 224140
Ion Ratio Lower Upper
173 100
175 50.3 39.7 59.5
171 51.7 42.2 63.2

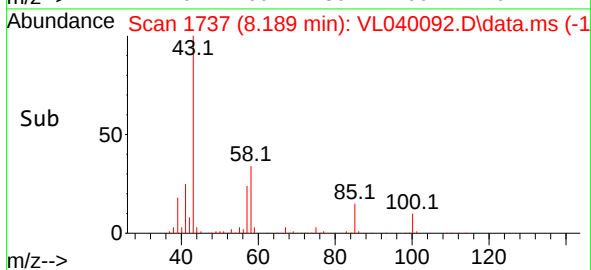
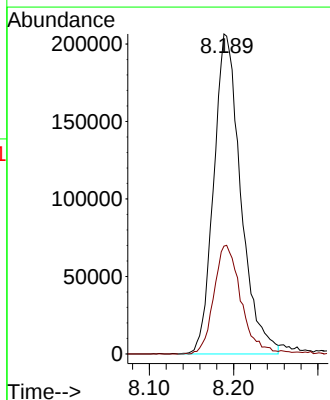
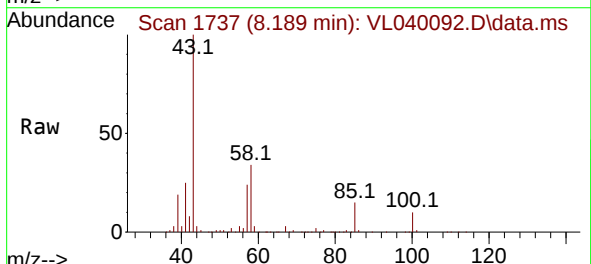
Manual Integrations
APPROVED

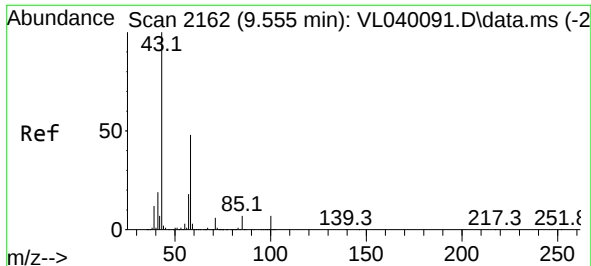
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#50
4-Methyl-2-Pentanone
Concen: 1.738 ppbv
RT: 8.189 min Scan# 1737
Delta R.T. 0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

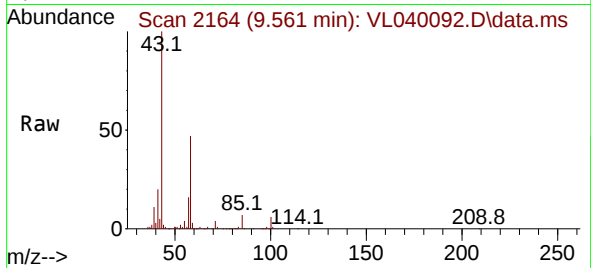
Tgt Ion: 43 Resp: 459913
Ion Ratio Lower Upper
43 100
58 34.7 28.8 43.2





#51
2-Hexanone
Concen: 1.692 ppbv
RT: 9.561 min Scan# 2162
Delta R.T. 0.006 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

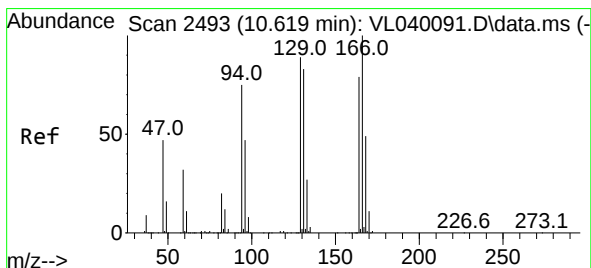
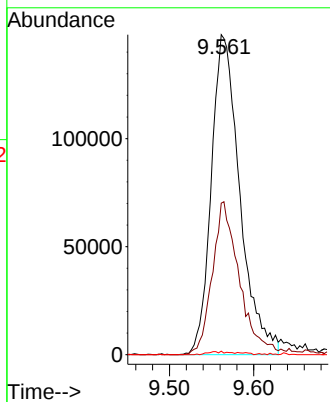
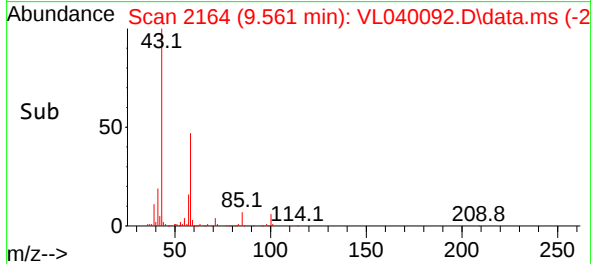
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 43 Resp: 348284
Ion Ratio Lower Upper
43 100
58 47.0 37.5 56.3
98 1.2 0.4 0.6

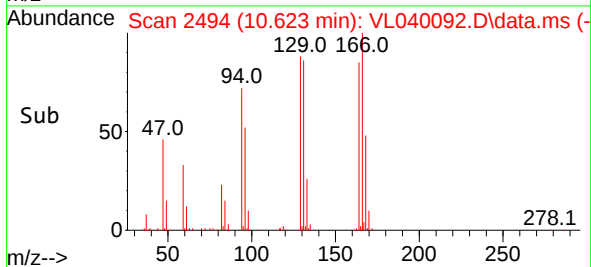
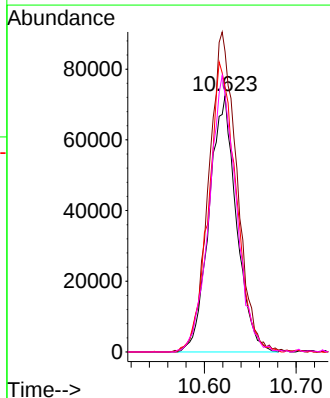
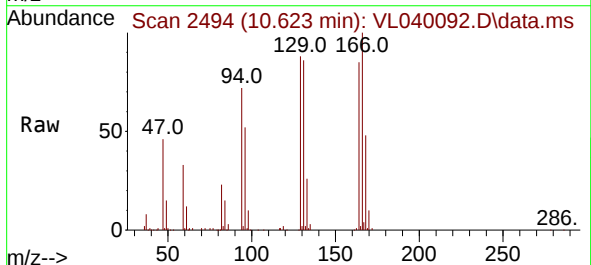
Manual Integrations
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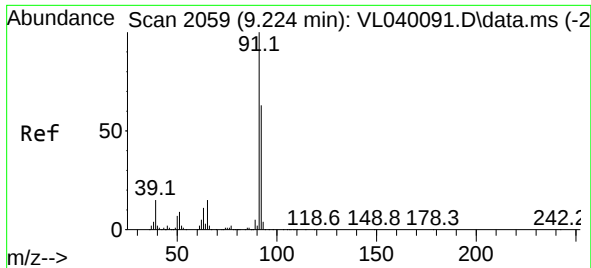
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#52
Tetrachloroethene
Concen: 1.648 ppbv
RT: 10.623 min Scan# 2494
Delta R.T. 0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

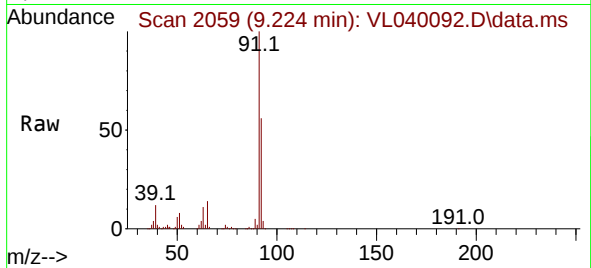
Tgt Ion:164 Resp: 149386
Ion Ratio Lower Upper
164 100
166 116.9 101.2 151.8
129 102.9 90.2 135.2
131 99.7 83.8 125.8





#53
Toluene
Concen: 1.639 ppbv
RT: 9.224 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

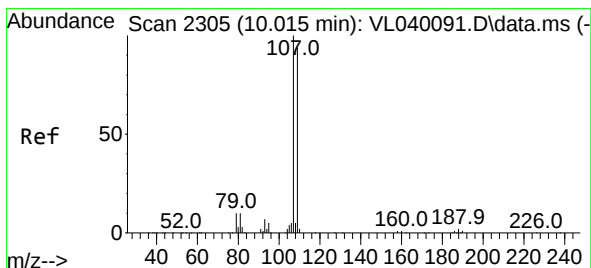
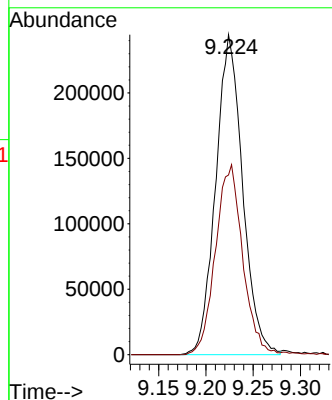
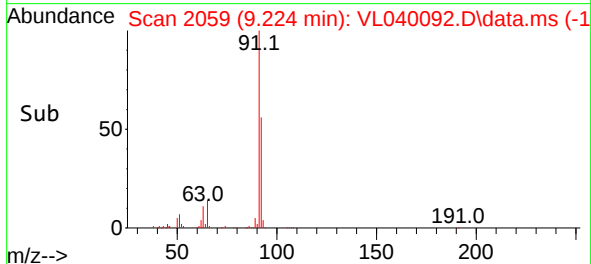
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



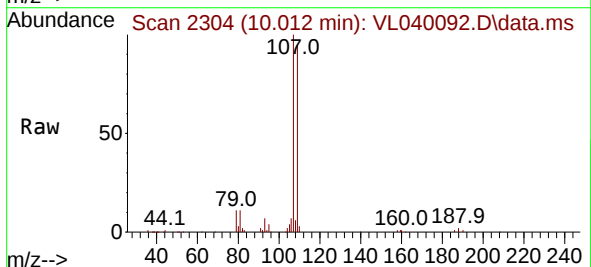
Tgt Ion: 91 Resp: 48404
Ion Ratio Lower Upper
91 100
92 60.5 48.3 72.5

Manual Integrations
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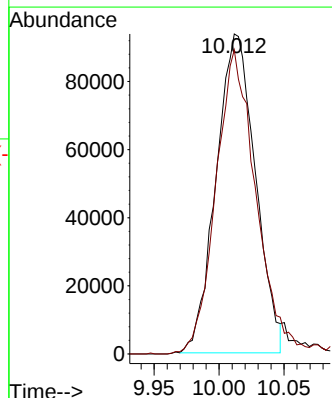
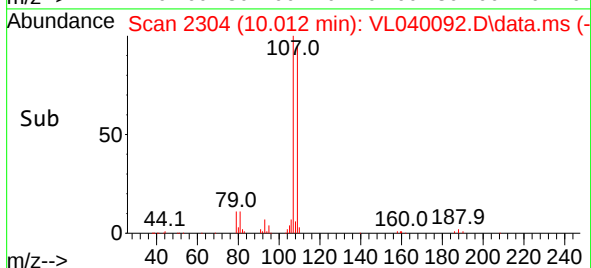
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

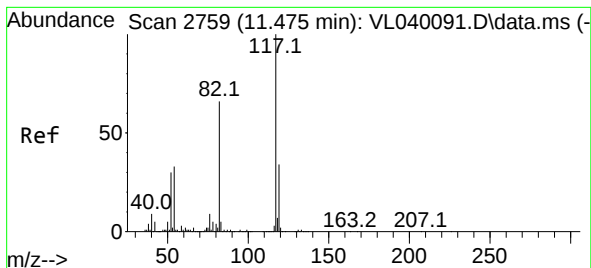


#54
1,2-Dibromoethane
Concen: 1.668 ppbv
RT: 10.012 min Scan# 2304
Delta R.T. -0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58



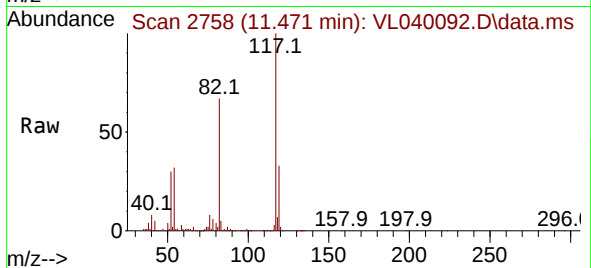
Tgt Ion:107 Resp: 196649
Ion Ratio Lower Upper
107 100
109 94.6 75.0 112.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2759
Delta R.T. -0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

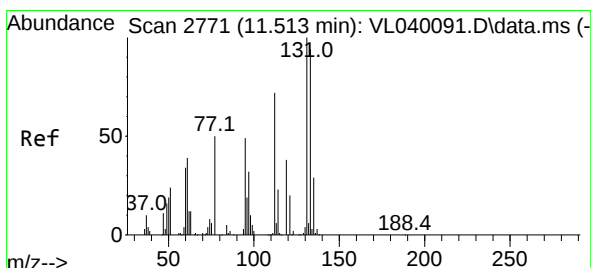
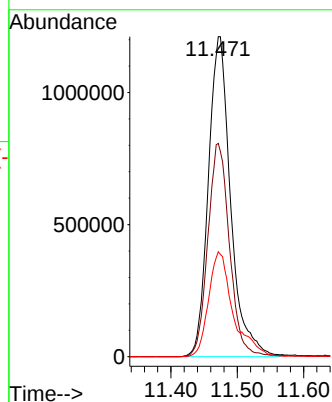
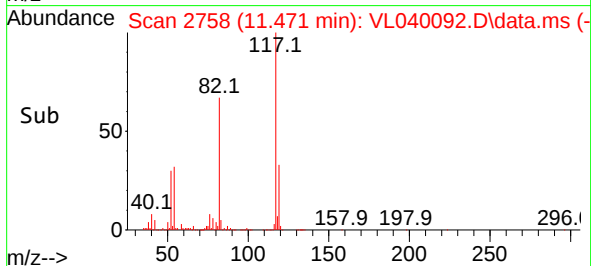
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



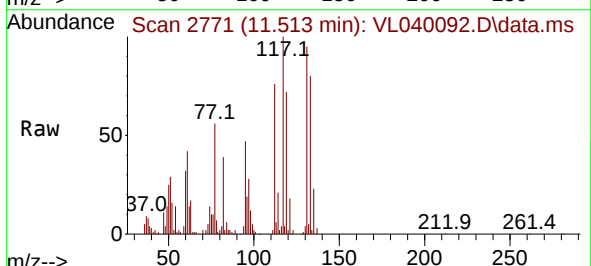
Tgt Ion:117 Resp: 2829554
Ion Ratio Lower Upper
117 100
82 65.2 54.4 81.6
119 35.9 26.8 40.2

Manual Integrations
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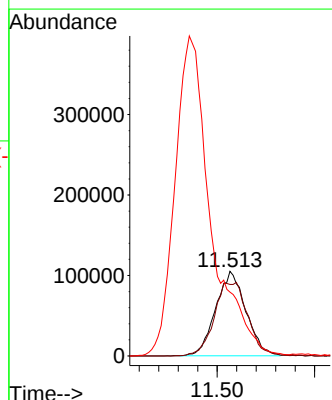
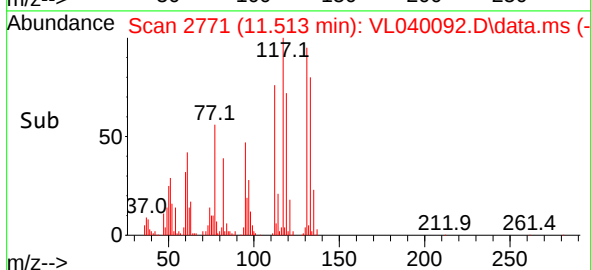
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

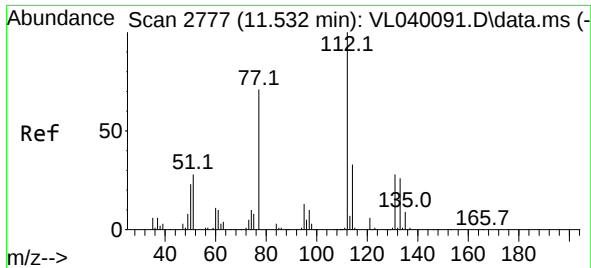


#56
1,1,1,2-Tetrachloroethane
Concen: 1.729 ppbv
RT: 11.513 min Scan# 2771
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58



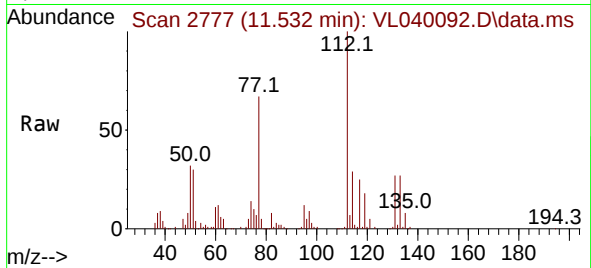
Tgt Ion:131 Resp: 225706
Ion Ratio Lower Upper
131 100
133 96.1 75.6 113.4
119 452.1 47.2 70.8#





#57
Chlorobenzene
Concen: 1.642 ppbv
RT: 11.532 min Scan# 2777
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

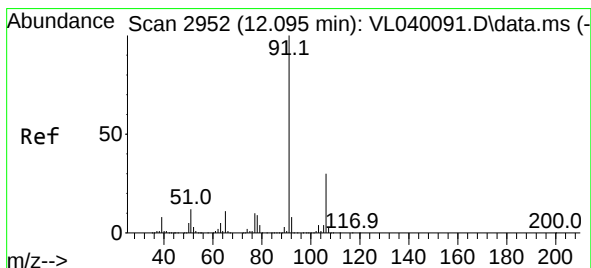
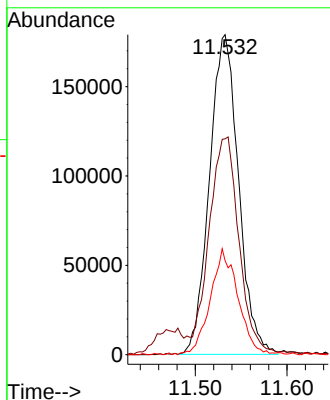
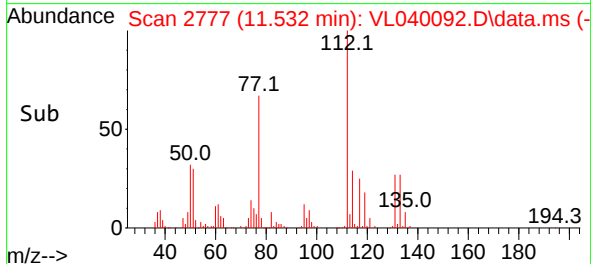
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion:112 Resp: 394340
Ion Ratio Lower Upper
112 100
77 66.8 57.3 85.9
114 29.4 29.6 36.2

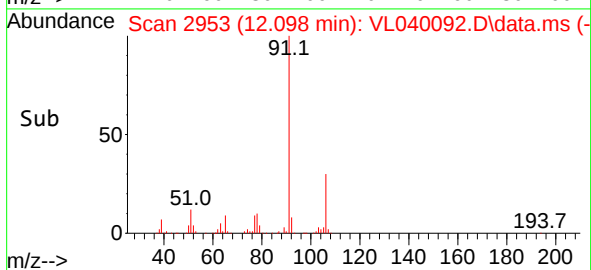
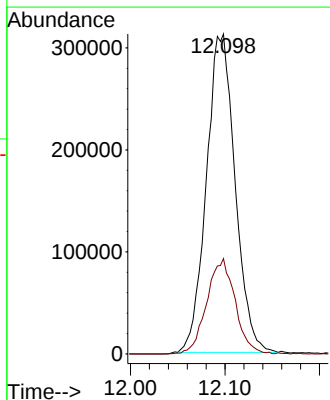
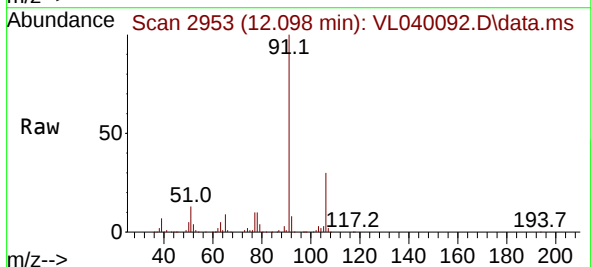
Manual Integrations
APPROVED

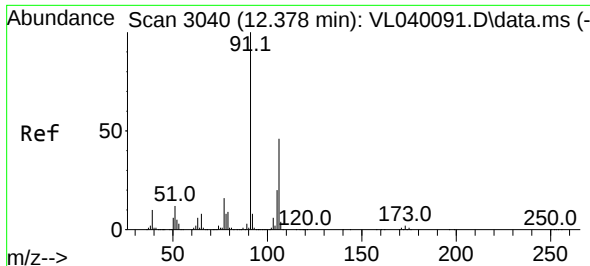
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#58
Ethyl Benzene
Concen: 1.636 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. 0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Tgt Ion: 91 Resp: 657778
Ion Ratio Lower Upper
91 100
106 29.7 23.7 35.5





#59

m/p-Xylene

Concen: 3.425 ppbv m

RT: 12.365 min Scan# 3040

Delta R.T. -0.013 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 91 Resp: 1199620

Ion Ratio Lower Upper

91 100

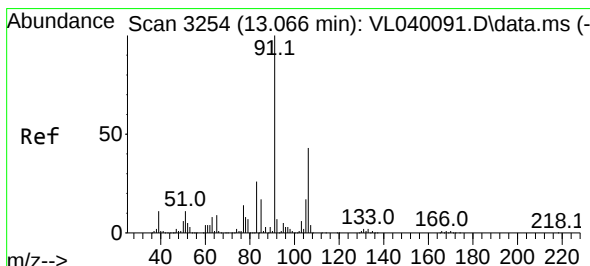
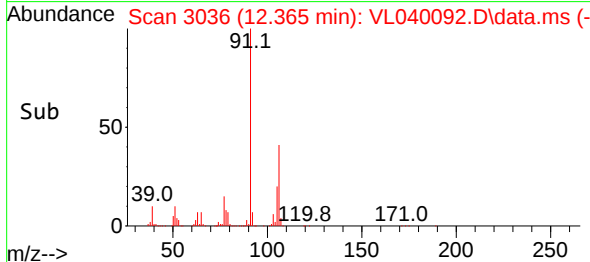
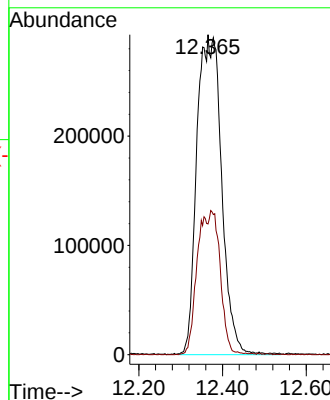
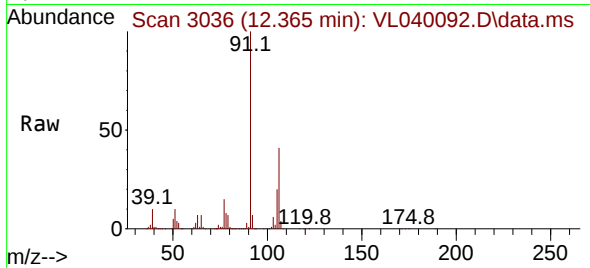
106 41.8 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#60

o-Xylene

Concen: 1.704 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. 0.000 min

Lab File: VL040092.D

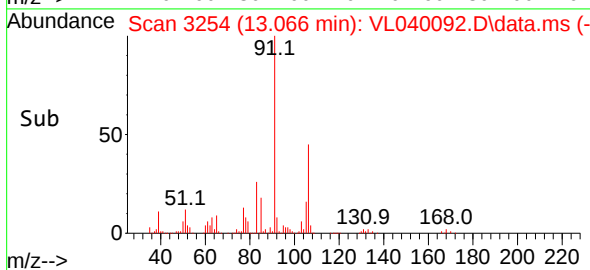
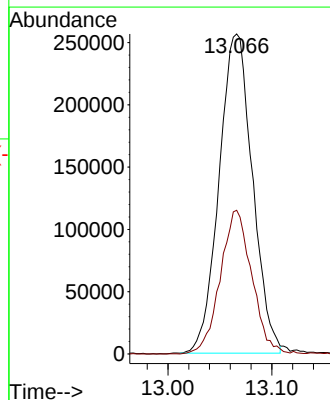
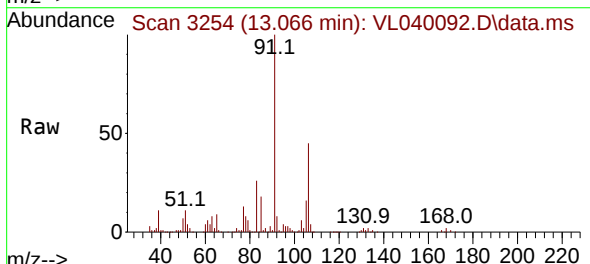
Acq: 16 Jan 2023 10:58

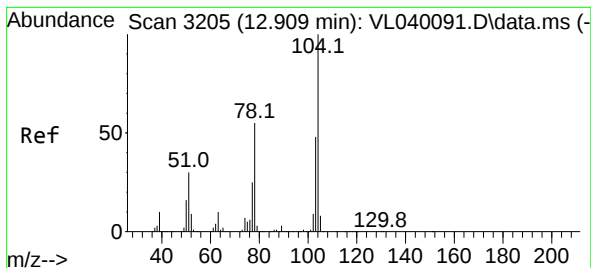
Tgt Ion: 91 Resp: 571846

Ion Ratio Lower Upper

91 100

106 42.9 21.6 64.8





#61

Styrene

Concen: 1.616 ppbv

RT: 12.905 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:104 Resp: 290892

Ion Ratio Lower Upper

104 100

78 56.4 44.0 66.0

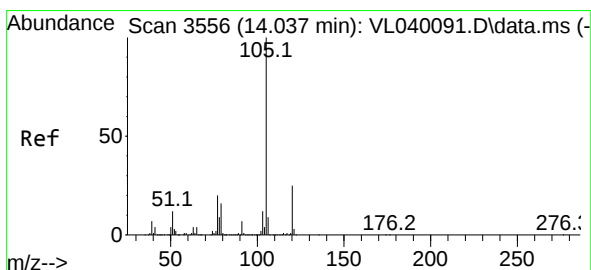
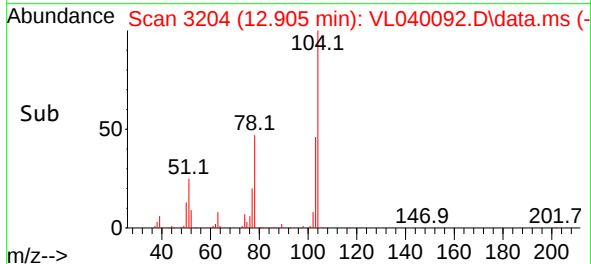
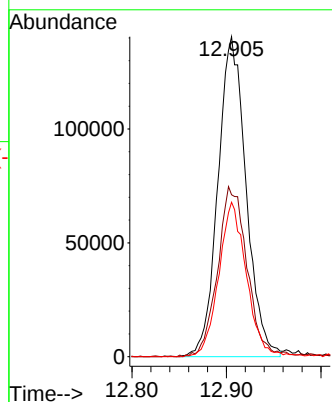
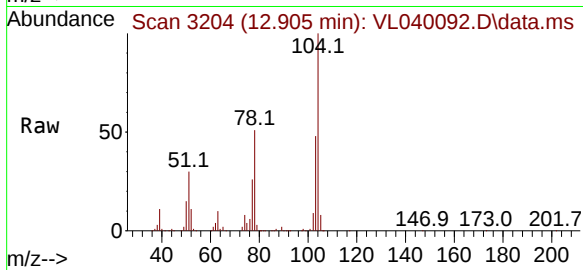
103 47.7 37.8 56.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#62

Isopropylbenzene

Concen: 1.682 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. 0.000 min

Lab File: VL040092.D

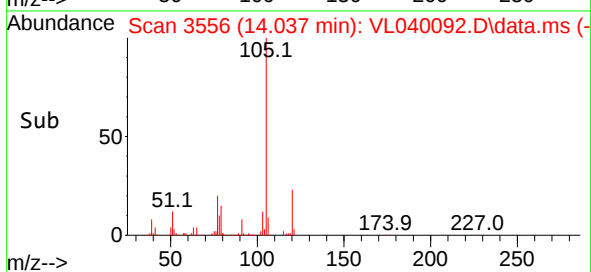
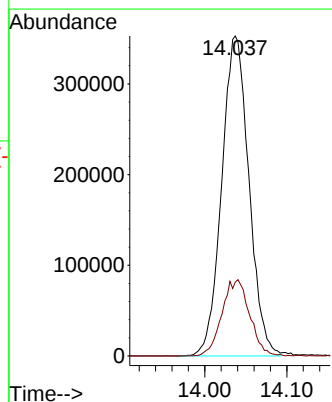
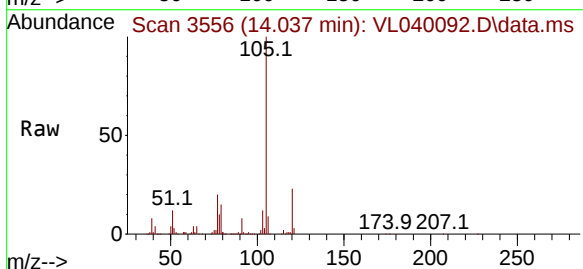
Acq: 16 Jan 2023 10:58

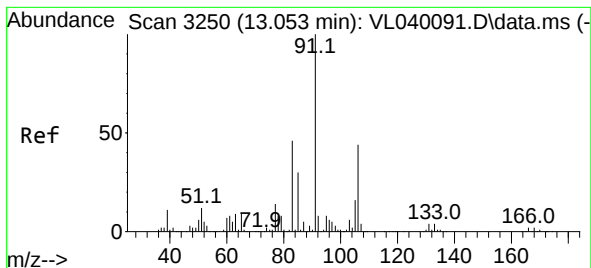
Tgt Ion:105 Resp: 813570

Ion Ratio Lower Upper

105 100

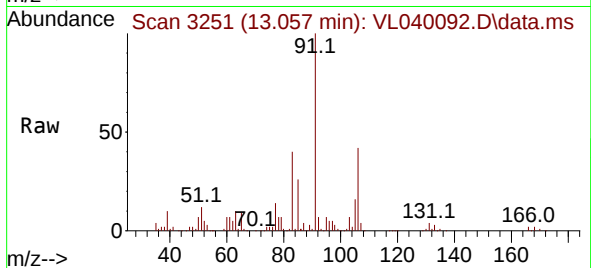
120 24.4 20.2 30.2





#63
1,1,2,2-Tetrachloroethane
Concen: 1.638 ppbv
RT: 13.057 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

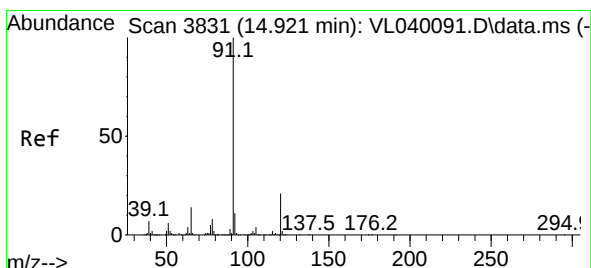
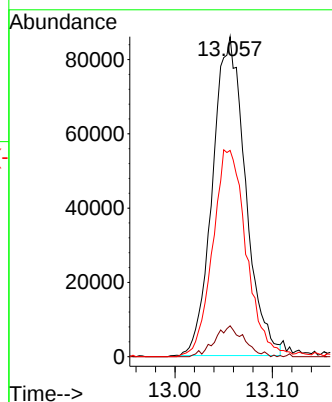
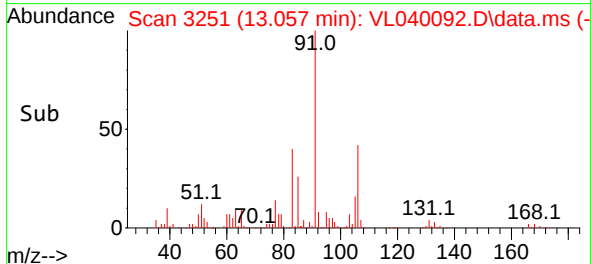
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



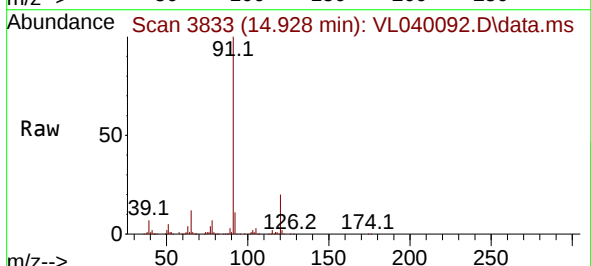
Tgt Ion: 83 Resp: 201440
Ion Ratio Lower Upper
83 100
131 8.7 4.3 13.1
85 67.5 32.5 97.5

Manual Integrations
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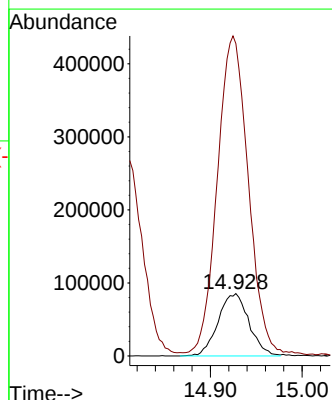
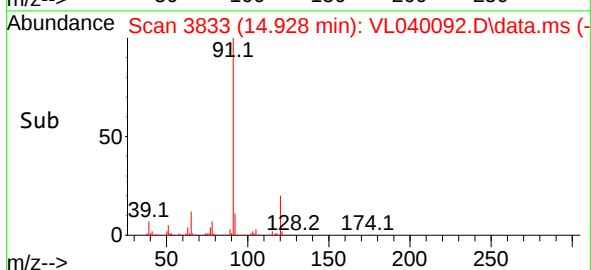
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

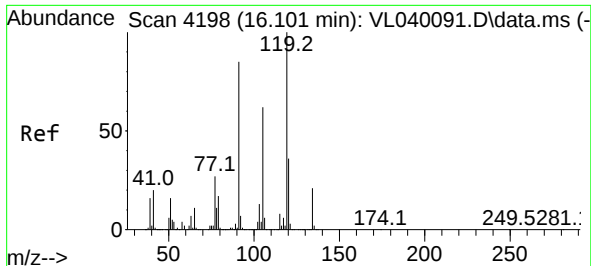


#64
n-propylbenzene
Concen: 1.635 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. 0.007 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58



Tgt Ion:120 Resp: 199825
Ion Ratio Lower Upper
120 100
91 514.0 397.0 595.4





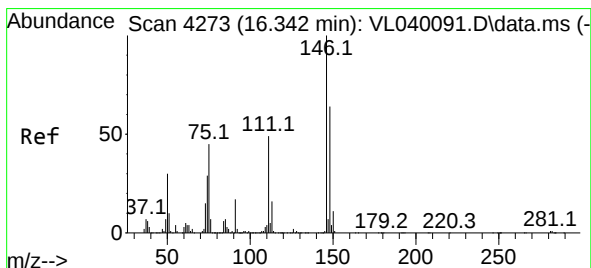
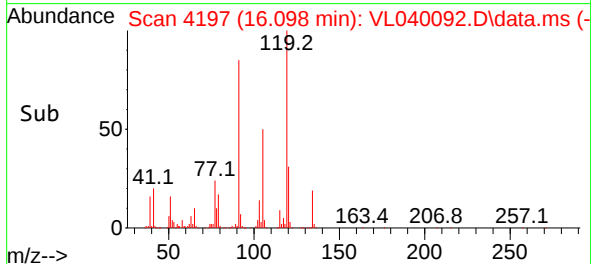
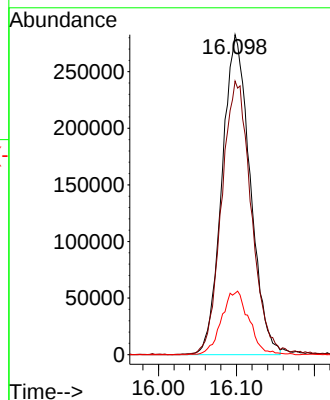
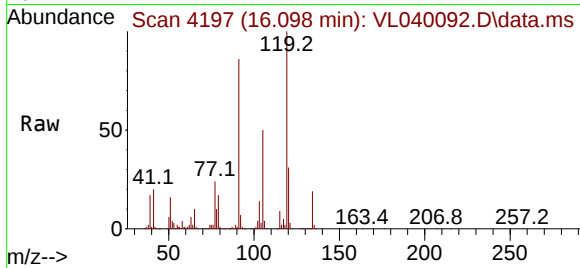
#65
tert-Butylbenzene
Concen: 1.683 ppbv
RT: 16.098 min Scan# 4198
Delta R.T. -0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:119 Resp: 70768
Ion Ratio Lower Upper
119 100
91 91.0 69.5 104.3
134 19.5 15.8 23.8

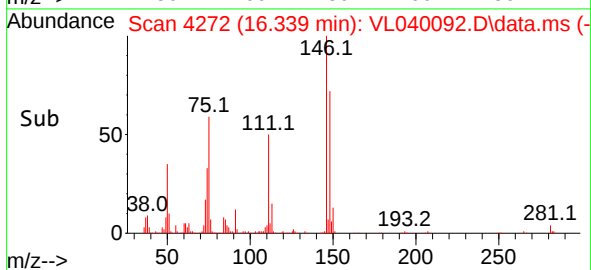
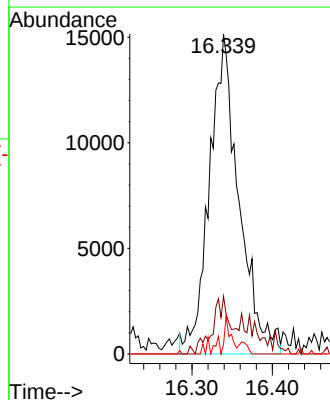
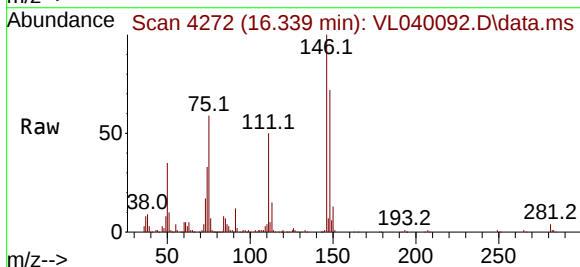
Manual Integrations
APPROVED

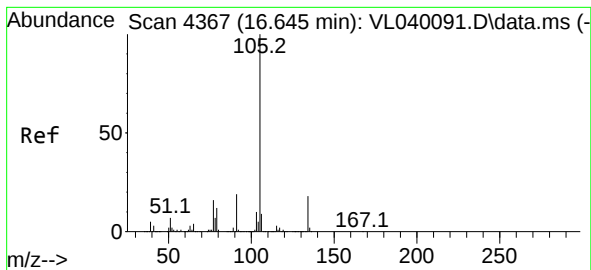
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#66
Benzyl Chloride
Concen: 1.579 ppbv m
RT: 16.339 min Scan# 4272
Delta R.T. -0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Tgt Ion: 91 Resp: 38719
Ion Ratio Lower Upper
91 100
126 13.5 11.5 17.3
128 4.9 0.0 0.0#





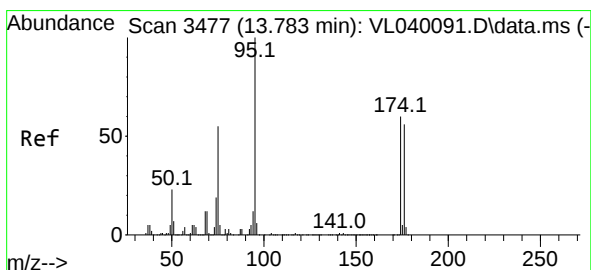
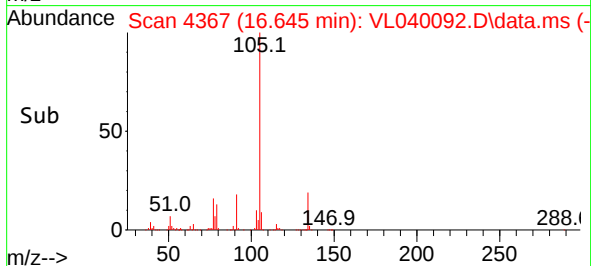
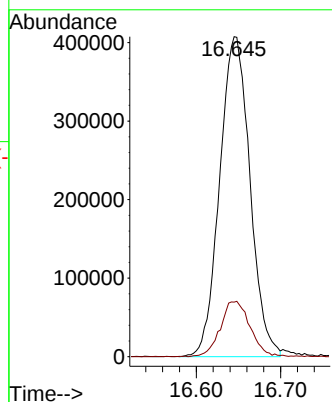
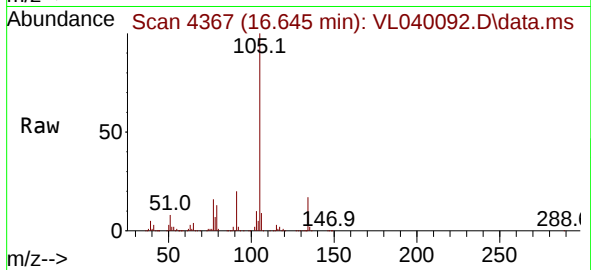
#67
 sec-Butylbenzene
 Concen: 1.727 ppbv
 RT: 16.645 min Scan# 4367
 Delta R.T. 0.000 min
 Lab File: VL040092.D
 Acq: 16 Jan 2023 10:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:105 Resp: 101738
 Ion Ratio Lower Upper
 105 100
 134 17.2 14.1 21.1

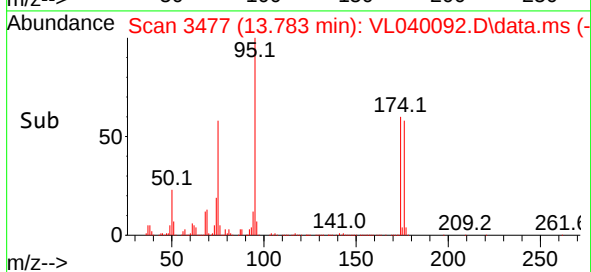
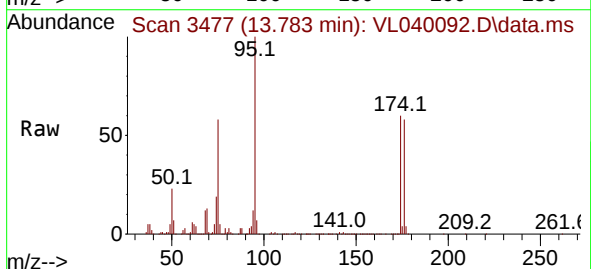
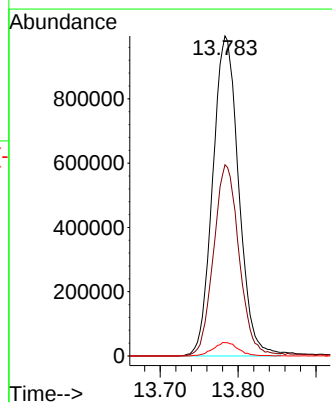
Manual Integrations
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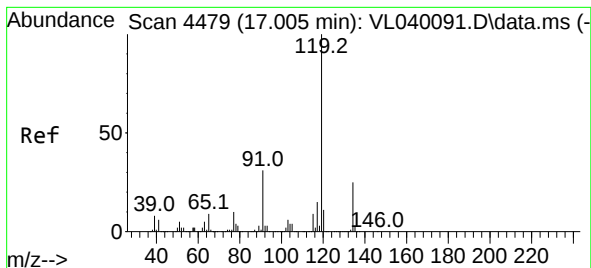
Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.667 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. 0.000 min
 Lab File: VL040092.D
 Acq: 16 Jan 2023 10:58

Tgt Ion: 95 Resp: 2305611
 Ion Ratio Lower Upper
 95 100
 174 59.8 47.7 71.5
 175 4.1 3.4 5.2





#69

p-Isopropyltoluene

Concen: 1.711 ppbv

RT: 17.002 min Scan# 4479

Delta R.T. -0.003 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

Instrument :

MSVOA_L

ClientSampleId :

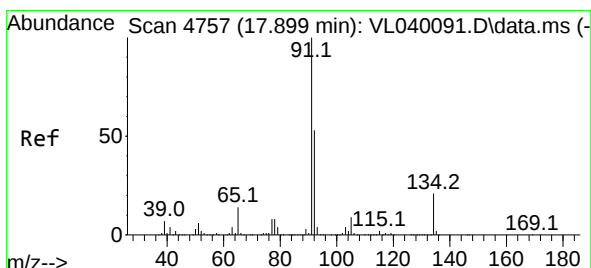
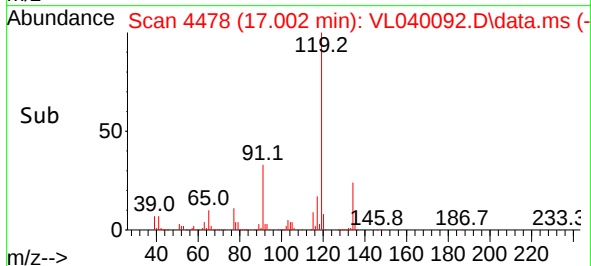
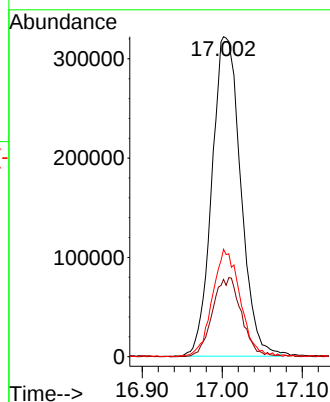
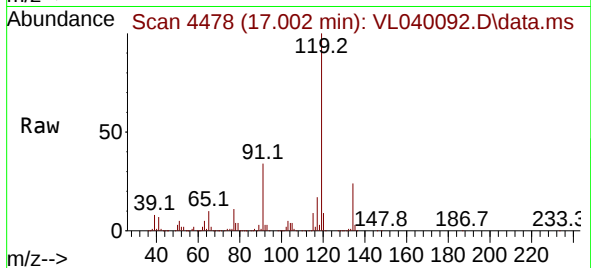
VSTDIC002

Tgt Ion:119 Resp: 805198
 Ion Ratio Lower Upper
 119 100
 134 25.1 20.1 30.1
 91 32.5 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023



#70

n-Butylbenzene

Concen: 1.800 ppbv

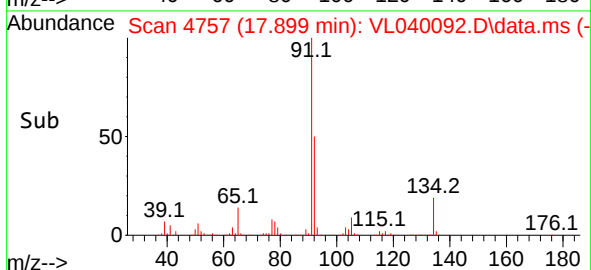
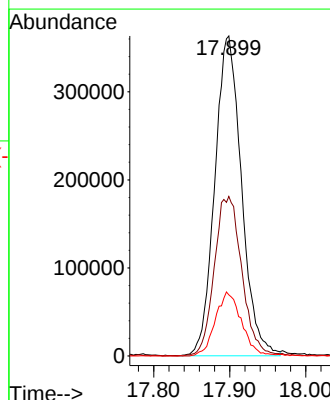
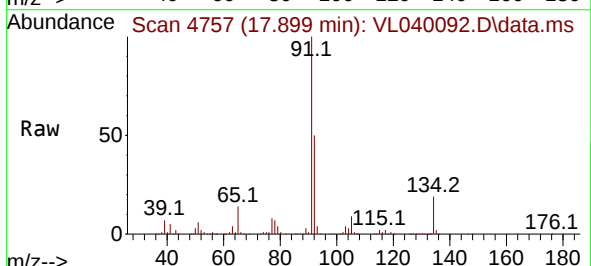
RT: 17.899 min Scan# 4757

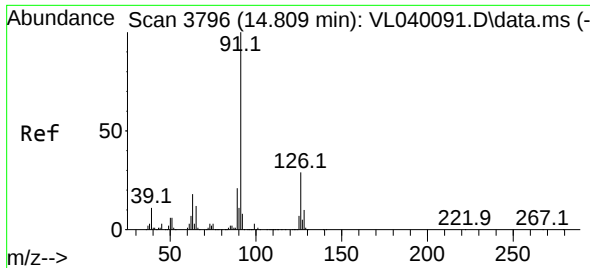
Delta R.T. 0.000 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

Tgt Ion: 91 Resp: 887473
 Ion Ratio Lower Upper
 91 100
 92 51.9 42.8 64.2
 134 19.8 16.9 25.3





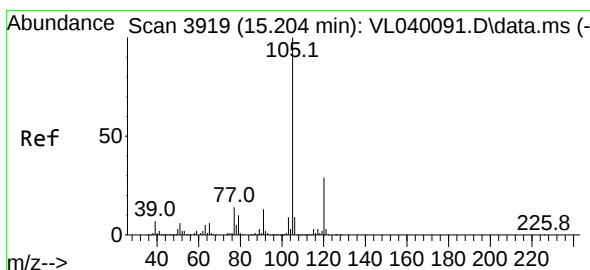
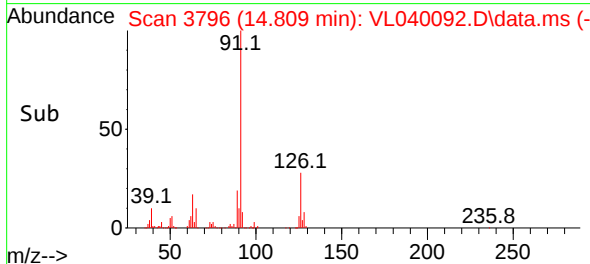
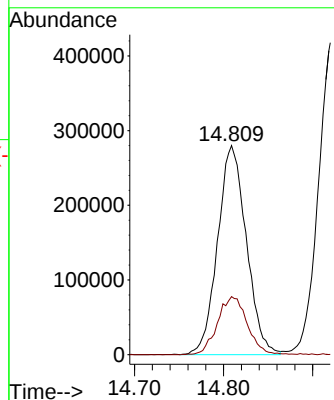
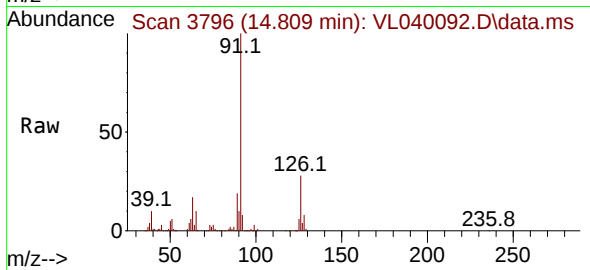
#71
2-Chlorotoluene
Concen: 1.700 ppbv
RT: 14.809 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 627470
Ion Ratio Lower Upper
91 100
126 28.7 11.9 47.5

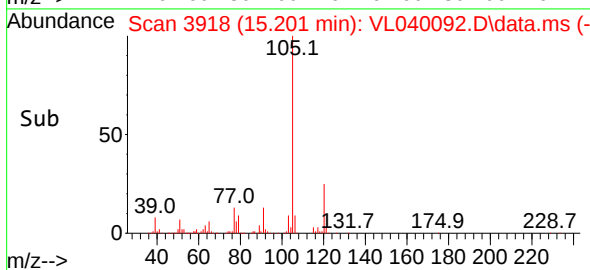
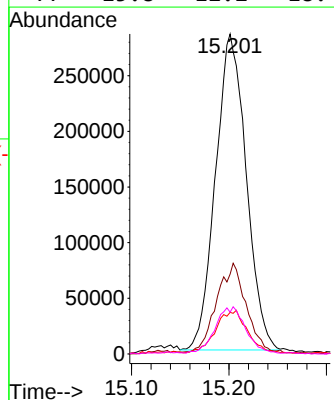
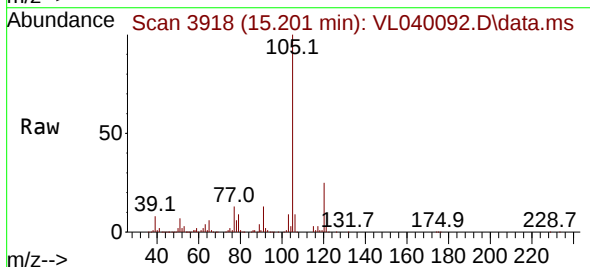
Manual Integrations
APPROVED

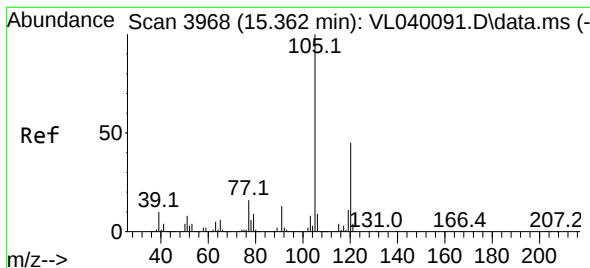
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#72
4-Ethyltoluene
Concen: 1.667 ppbv
RT: 15.201 min Scan# 3918
Delta R.T. -0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Tgt Ion:105 Resp: 621038
Ion Ratio Lower Upper
105 100
120 28.6 23.1 34.7
91 15.2 11.2 16.8
77 15.8 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 1.703 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. -0.006 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 57211

Ion Ratio Lower Upper

105 100

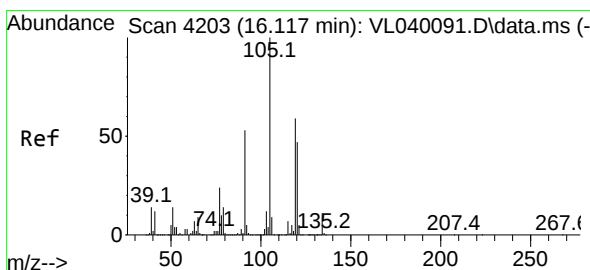
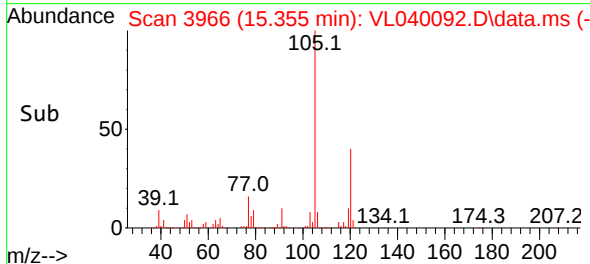
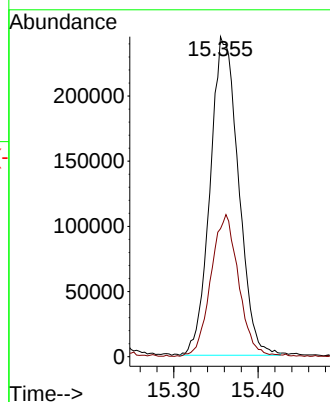
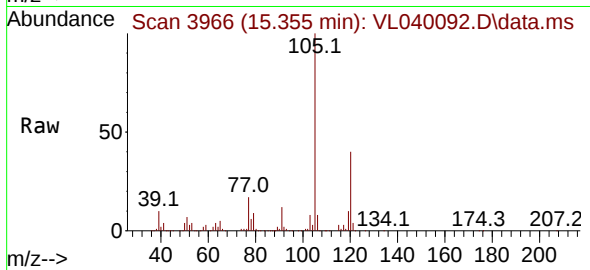
120 40.0 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#74

1,2,4-Trimethylbenzene

Concen: 1.752 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. -0.003 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

Tgt Ion:105 Resp: 648867

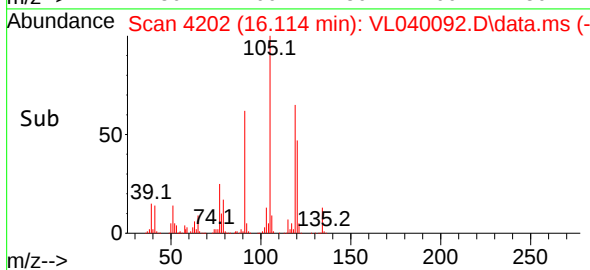
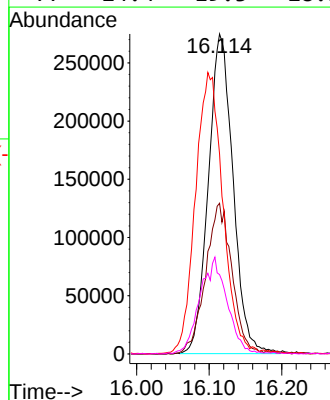
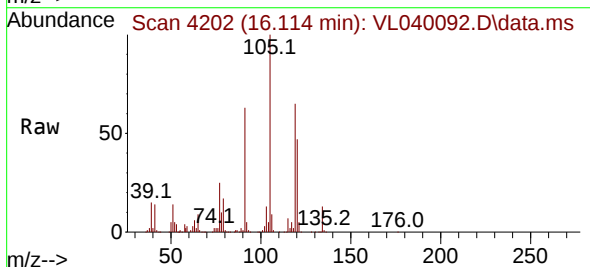
Ion Ratio Lower Upper

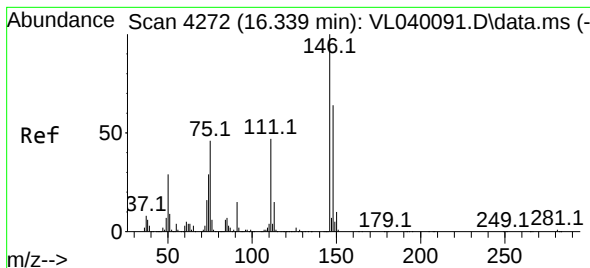
105 100

120 46.9 38.0 57.0

91 62.1 42.1 63.1

77 24.4 19.3 28.9





#75

1,3-Dichlorobenzene

Concen: 1.718 ppbv m

RT: 16.343 min Scan# 4272

Delta R.T. 0.003 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:146 Resp: 348190

Ion Ratio Lower Upper

146 100

111 49.2 24.3 73.0

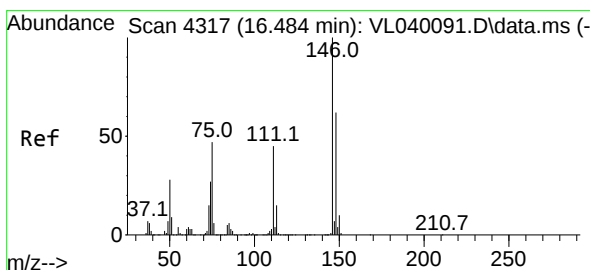
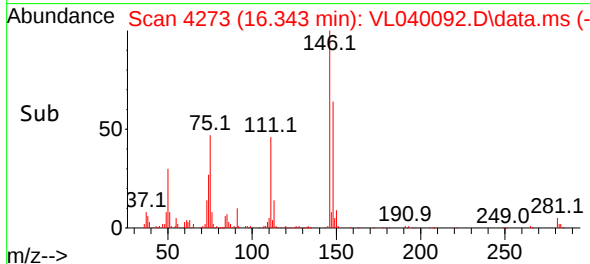
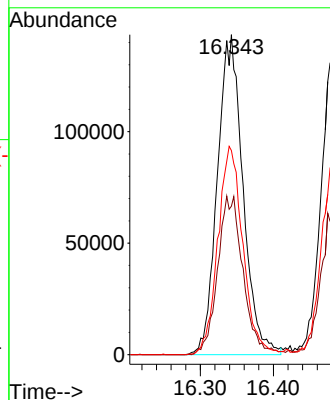
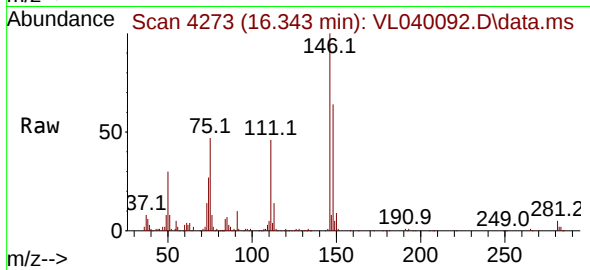
148 0.0 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#76

1,4-Dichlorobenzene

Concen: 1.670 ppbv

RT: 16.484 min Scan# 4317

Delta R.T. 0.000 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

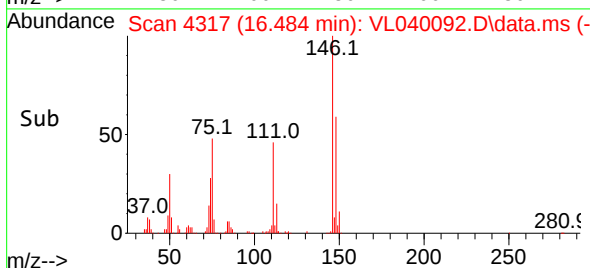
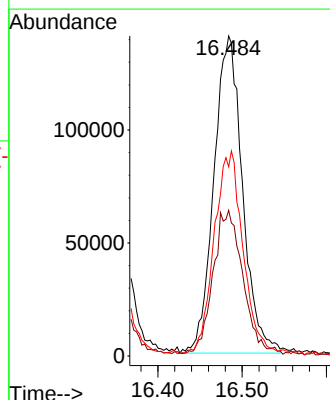
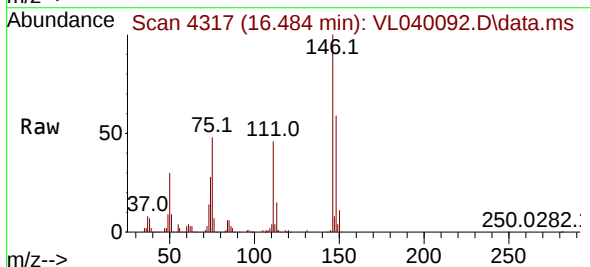
Tgt Ion:146 Resp: 330496

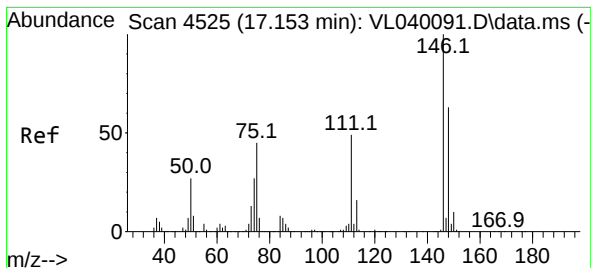
Ion Ratio Lower Upper

146 100

111 50.0 23.8 71.2

148 65.4 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 1.705 ppbv

RT: 17.156 min Scan# 4525

Delta R.T. 0.003 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

Instrument :

MSVOA_L

ClientSampleId :

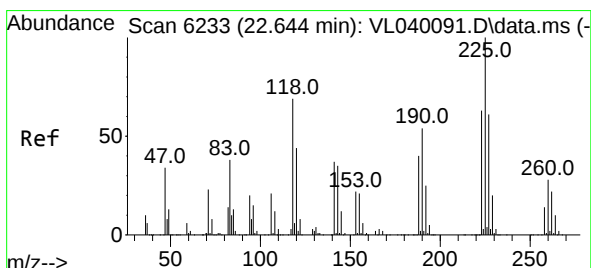
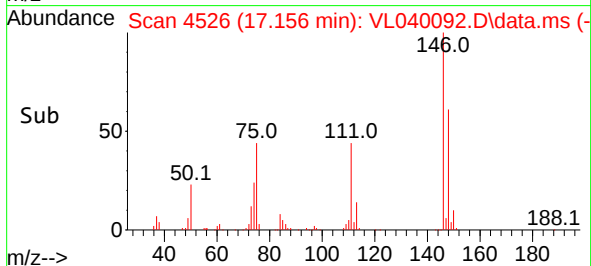
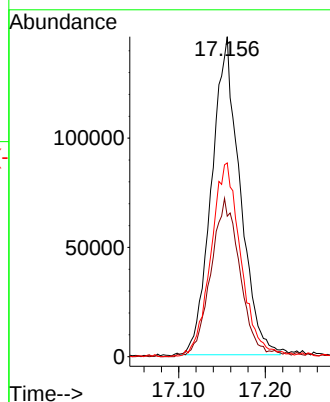
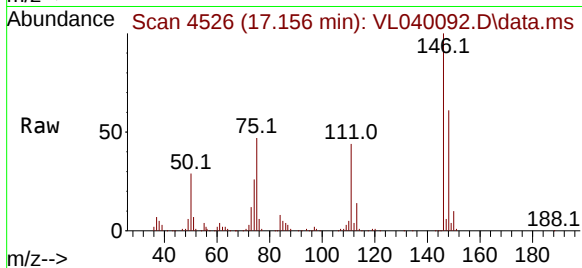
VSTDIC002

Tgt Ion:	146	Resp:	33139
Ion Ratio	Lower	Upper	
146	100		
111	52.9	25.1	75.2
148	65.4	32.4	97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#78

Hexachloro-1,3-Butadiene

Concen: 1.854 ppbv m

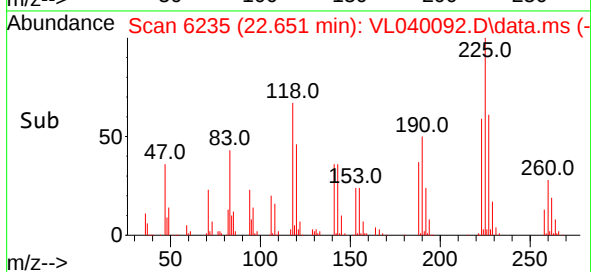
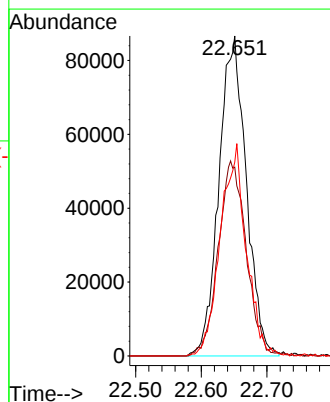
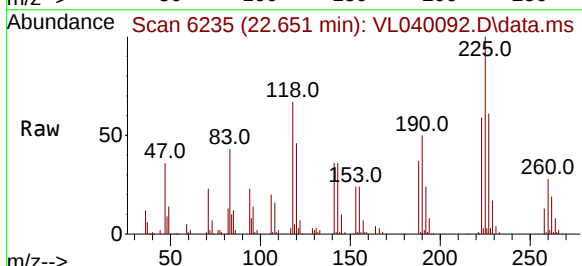
RT: 22.651 min Scan# 6235

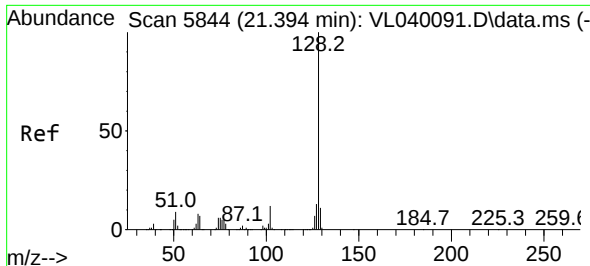
Delta R.T. 0.006 min

Lab File: VL040092.D

Acq: 16 Jan 2023 10:58

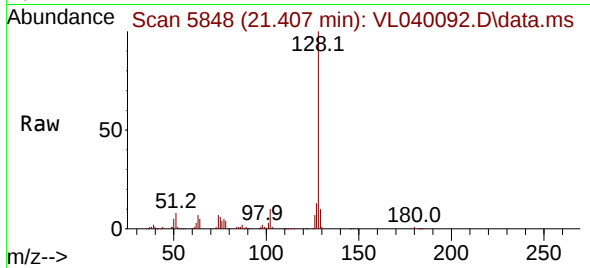
Tgt Ion:	225	Resp:	249969
Ion Ratio	Lower	Upper	
225	100		
223	62.7	51.5	77.3
227	62.7	50.6	76.0





#79
Naphthalene
Concen: 1.918 ppbv
RT: 21.407 min Scan# 5848
Delta R.T. 0.013 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

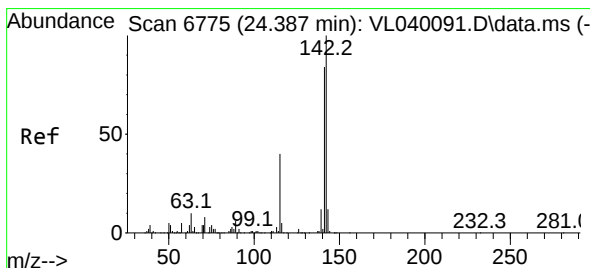
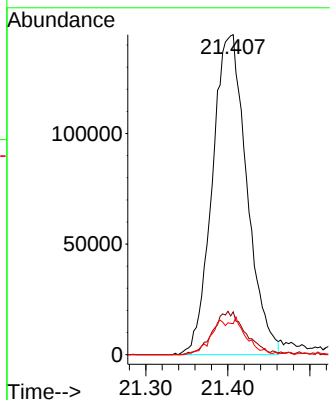
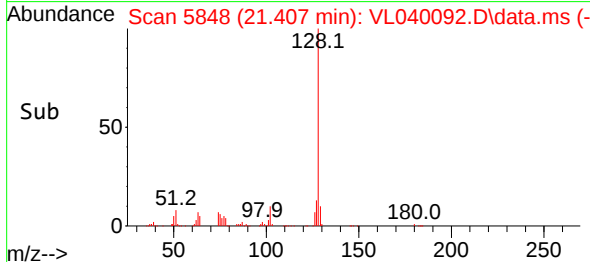
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



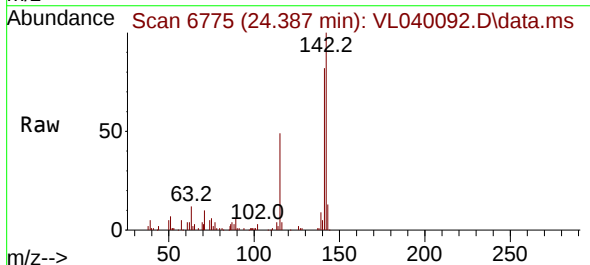
Tgt Ion:128 Resp: 42331
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 9.7 8.8 13.2

Manual Integrations
APPROVED

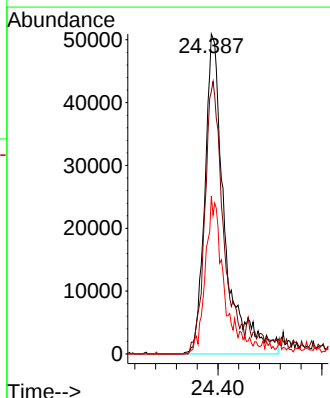
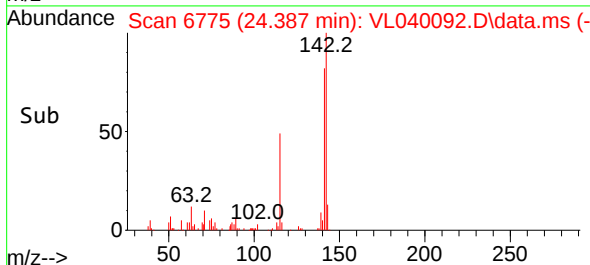
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

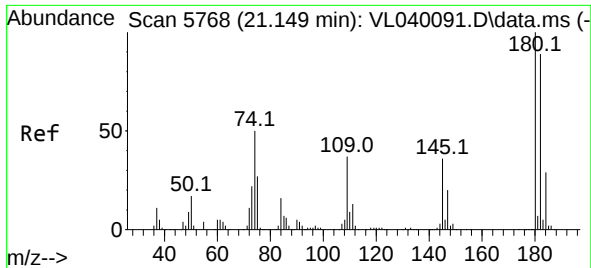


#80
Naphthalene,2-methyl-
Concen: 2.014 ppbv
RT: 24.387 min Scan# 6775
Delta R.T. 0.000 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58



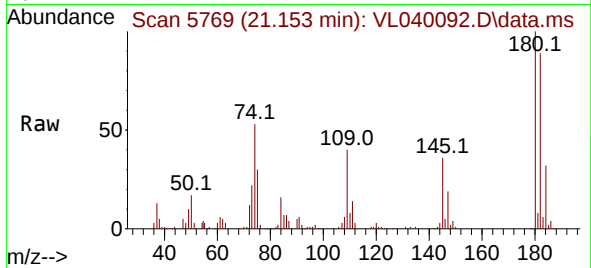
Tgt Ion:142 Resp: 135990
Ion Ratio Lower Upper
142 100
141 88.4 65.0 97.6
115 46.4 31.8 47.8





#81
1,2,4-Trichlorobenzene
Concen: 1.754 ppbv m
RT: 21.153 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL040092.D
Acq: 16 Jan 2023 10:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion:180 Resp: 22994
Ion Ratio Lower Upper
180 100
182 98.2 78.6 117.8
184 31.2 25.1 37.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

