

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111721\
 Data File : VW020909.D
 Acq On : 17 Nov 2021 16:33
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 18 04:23:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 18 04:21:42 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Vimala Arumugam 11/18/2021
 Supervised By :Mahesh Dadoda 11/18/2021

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

Internal Standards						
1) Pentafluorobenzene	7.945	168	81809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	126752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	114202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	58380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	15016	16.740	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	33.480%#		
35) Dibromofluoromethane	7.884	113	15020	17.950	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	35.900%#		
50) Toluene-d8	10.323	98	56708	17.840	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	35.680%#		
62) 4-Bromofluorobenzene	12.615	95	20744	17.827	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	35.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	2183	10.373	ug/l	97
3) Chloromethane	2.209	50	8907	16.708	ug/l	98
4) Vinyl Chloride	2.355	62	16083	22.085	ug/l	98
5) Bromomethane	2.745	94	10228	22.938	ug/l	94
6) Chloroethane	2.904	64	5655	17.719	ug/l	100
7) Trichlorofluoromethane	3.245	101	6709	14.069	ug/l	95
8) Diethyl Ether	3.678	74	7417	19.001	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.050	101	14788	18.286	ug/l	99
10) Methyl Iodide	4.263	142	22197	21.494	ug/l	99
11) Tert butyl alcohol	5.178	59	7882	139.992	ug/l #	90
12) 1,1-Dichloroethene	4.038	96	14600	19.348	ug/l	92
13) Acrolein	3.897	56	1399	32.504	ug/l	97
14) Allyl chloride	4.659	41	20770	17.430	ug/l	98
15) Acrylonitrile	5.367	53	16236	84.135	ug/l	100
16) Acetone	4.123	43	15178	72.913	ug/l	99
17) Carbon Disulfide	4.379	76	38724	17.771	ug/l	99
18) Methyl Acetate	4.665	43	10954	16.594	ug/l	96
19) Methyl tert-butyl Ether	5.428	73	25561	19.828	ug/l	97
20) Methylene Chloride	4.909	84	17945	16.201	ug/l	93
21) trans-1,2-Dichloroethene	5.415	96	16639	19.652	ug/l	97
22) Diisopropyl ether	6.312	45	42680	18.150	ug/l	98
23) Vinyl Acetate	6.251	43	125095	91.733	ug/l	99
24) 1,1-Dichloroethane	6.214	63	26952	17.822	ug/l	98
25) 2-Butanone	7.171	43	22833	86.490	ug/l	95
26) 2,2-Dichloropropane	7.165	77	19095	19.240	ug/l	97
27) cis-1,2-Dichloroethene	7.165	96	18610	20.486	ug/l	99
28) Bromochloromethane	7.513	49	11299	18.027	ug/l	97
29) Tetrahydrofuran	7.531	42	14066	87.090	ug/l	99
30) Chloroform	7.677	83	29794	18.692	ug/l	99
31) Cyclohexane	7.952	56	25760	17.126	ug/l	90
32) 1,1,1-Trichloroethane	7.872	97	25499	18.971	ug/l	99
36) 1,1-Dichloropropene	8.080	75	22639	16.925	ug/l	100
37) Ethyl Acetate	7.250	43	10457	17.312	ug/l	99
38) Carbon Tetrachloride	8.067	117	24033	17.797	ug/l #	88
39) Methylcyclohexane	9.335	83	28436	18.065	ug/l	96
40) Benzene	8.323	78	64278	17.457	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	5988	17.029	ug/l	98
42) 1,2-Dichloroethane	8.397	62	19454	16.514	ug/l	99
43) Isopropyl Acetate	8.427	43	20162	17.659	ug/l	99
44) Trichloroethene	9.092	130	19425	19.129	ug/l	94
45) 1,2-Dichloropropane	9.366	63	15226	17.305	ug/l	97
46) Dibromomethane	9.457	93	9556	19.051	ug/l	98
47) Bromodichloromethane	9.640	83	22728	18.418	ug/l	98
48) Methyl methacrylate	9.439	41	9449	17.422	ug/l	95
49) 1,4-Dioxane	9.451	88	2907	436.937	ug/l	97
51) 4-Methyl-2-Pentanone	10.207	43	51128	83.847	ug/l	99
52) Toluene	10.384	92	42241	18.181	ug/l	99
53) t-1,3-Dichloropropene	10.603	75	21767	17.469	ug/l	97
54) cis-1,3-Dichloropropene	10.073	75	25381	17.962	ug/l	93
55) 1,1,2-Trichloroethane	10.786	97	12653	18.213	ug/l	93
56) Ethyl methacrylate	10.646	69	15962	18.162	ug/l	99
57) 1,3-Dichloropropane	10.933	76	21457	17.932	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.921	63	40069	99.527	ug/l	98
59) 2-Hexanone	10.969	43	34873	81.236	ug/l	99
60) Dibromochloromethane	11.128	129	16348	19.668	ug/l	99
61) 1,2-Dibromoethane	11.231	107	12889	19.006	ug/l	97
64) Tetrachloroethene	10.860	164	17460	19.552	ug/l #	82
65) Chlorobenzene	11.658	112	46918	19.061	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.731	131	17404	19.459	ug/l	98
67) Ethyl Benzene	11.731	91	82342	18.721	ug/l	95
68) m/p-Xylenes	11.835	106	67916	39.626	ug/l	97
69) o-Xylene	12.164	106	31143	19.590	ug/l	100
70) Styrene	12.182	104	52241	19.296	ug/l	99
71) Bromoform	12.347	173	9908	19.068	ug/l #	96
73) Isopropylbenzene	12.463	105	85094	20.512	ug/l	98
74) N-amyl acetate	12.268	43	19337	19.459	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	14517	18.910	ug/l	100
76) 1,2,3-Trichloropropane	12.768	75	11147m	17.869	ug/l	
77) Bromobenzene	12.743	156	20384	20.416	ug/l	98
78) n-propylbenzene	12.804	91	98940	19.537	ug/l	99
79) 2-Chlorotoluene	12.890	91	56138	19.177	ug/l	99
80) 1,3,5-Trimethylbenzene	12.938	105	70993	19.743	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	4536	18.652	ug/l	96
82) 4-Chlorotoluene	12.987	91	60763	19.703	ug/l	98
83) tert-Butylbenzene	13.207	119	63015	20.288	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	71514	20.056	ug/l	97
85) sec-Butylbenzene	13.383	105	93001	20.018	ug/l	99
86) p-Isopropyltoluene	13.493	119	78184	19.716	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	41074	19.979	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	41064	19.774	ug/l	97
89) n-Butylbenzene	13.822	91	72304	19.672	ug/l	99
90) Hexachloroethane	14.091	117	14840	21.072	ug/l	92
91) 1,2-Dichlorobenzene	13.871	146	34982	19.139	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.481	75	2498	18.100	ug/l	97
93) 1,2,4-Trichlorobenzene	15.127	180	26488	21.427	ug/l	98
94) Hexachlorobutadiene	15.231	225	15344	19.587	ug/l	89
95) Naphthalene	15.365	128	48124	22.010	ug/l	99
96) 1,2,3-Trichlorobenzene	15.548	180	21677	19.445	ug/l	92

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Instrument :
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Quant Title : SW846 8260
QLast Update : Thu Nov 18 04:21:42 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

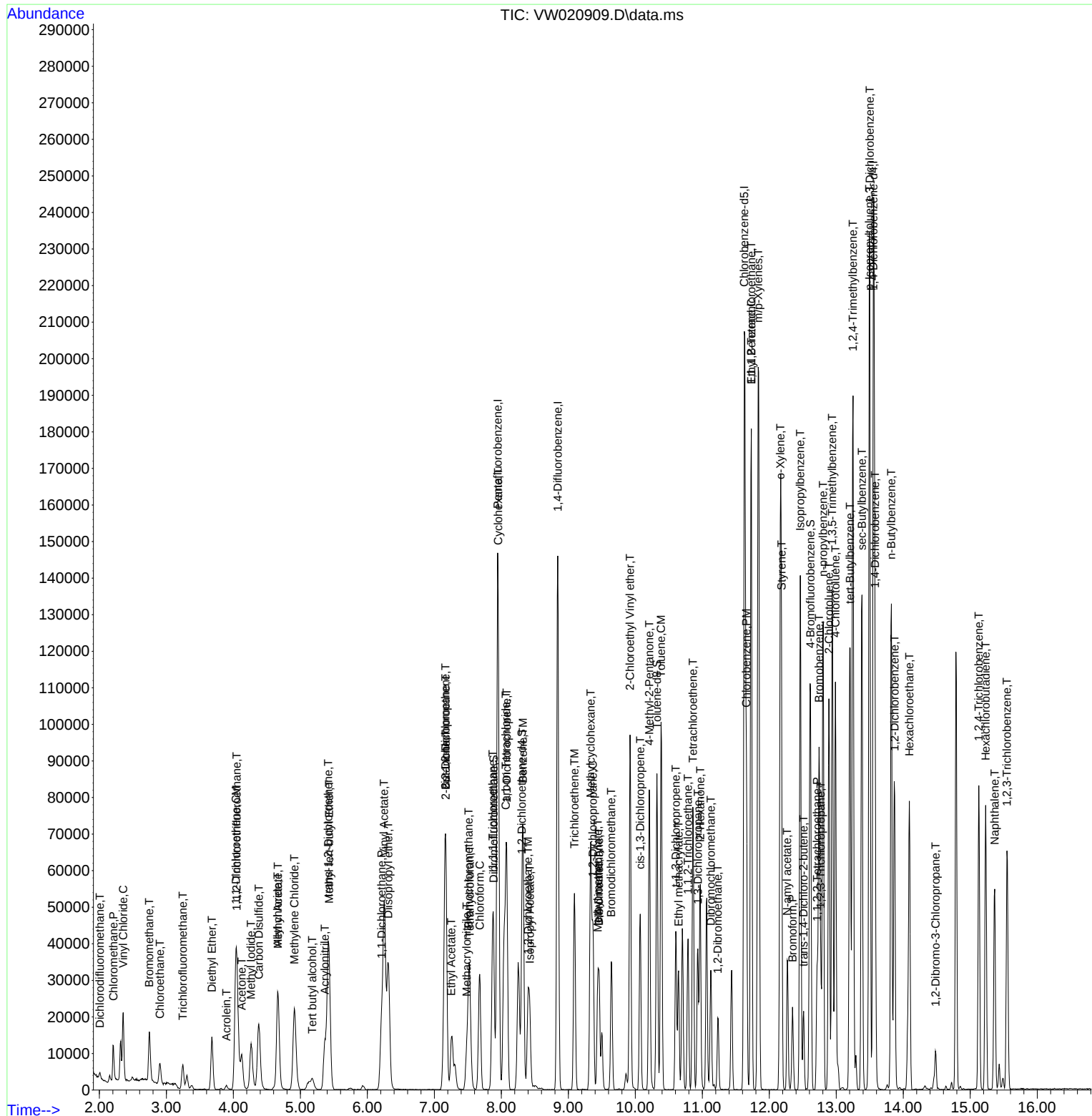
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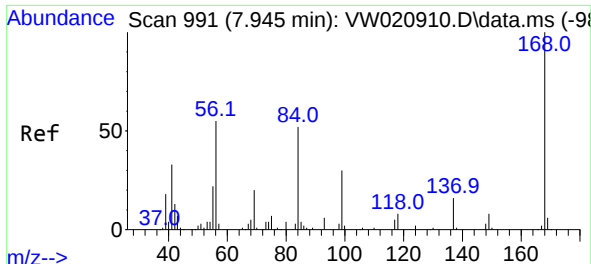
Instrument :
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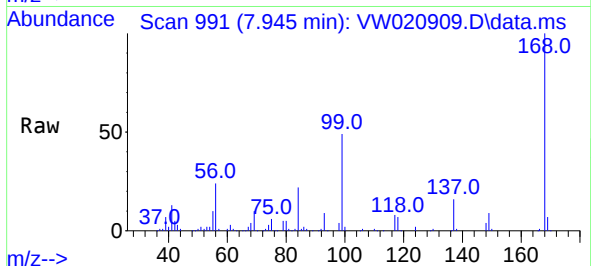
Reviewed By :Vimala Arumugam 11/18/2021
 Supervised By :Mahesh Dadoda 11/18/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.945 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

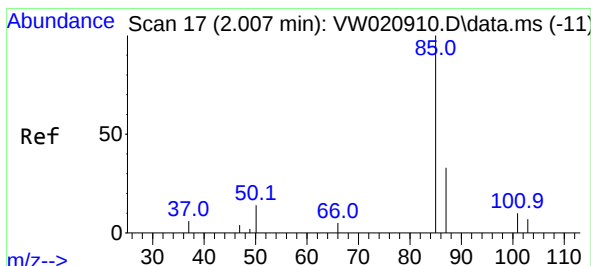
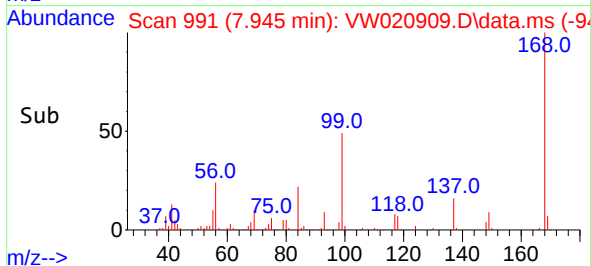
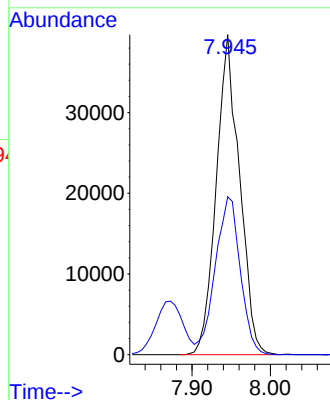
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion:168 Resp: 81809
Ion Ratio Lower Upper
168 100
99 49.4 41.6 62.4

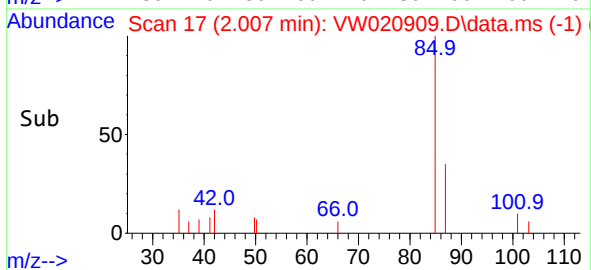
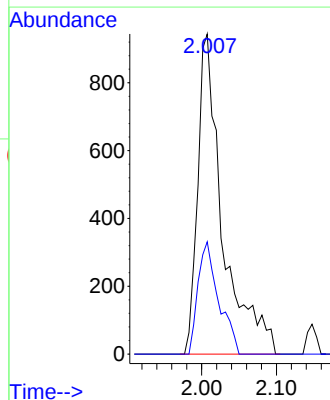
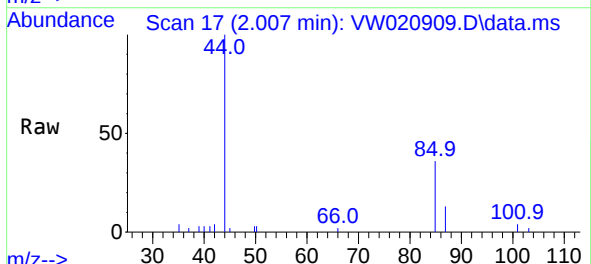
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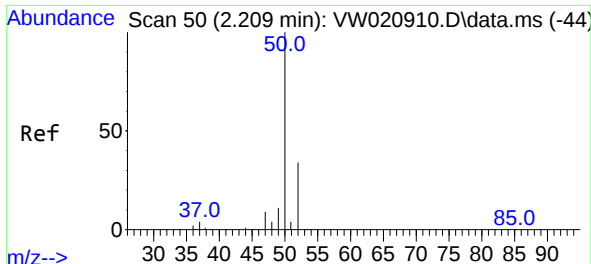
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#2
Dichlorodifluoromethane
Concen: 10.373 ug/l
RT: 2.007 min Scan# 17
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

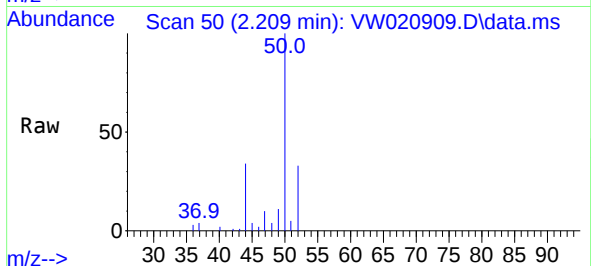
Tgt Ion: 85 Resp: 2183
Ion Ratio Lower Upper
85 100
87 35.1 16.8 50.3





#3
Chloromethane
Concen: 16.708 ug/l
RT: 2.209 min Scan# 50
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

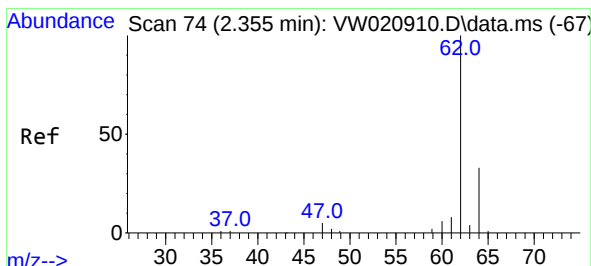
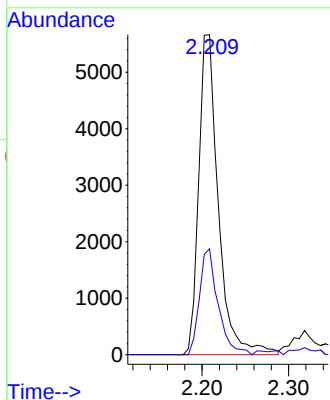
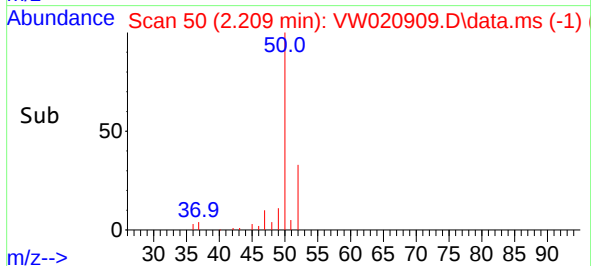
Instrument :
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VSTDICC020



Tgt Ion: 50 Resp: 890
Ion Ratio Lower Upper
50 100
52 33.1 27.2 40.8

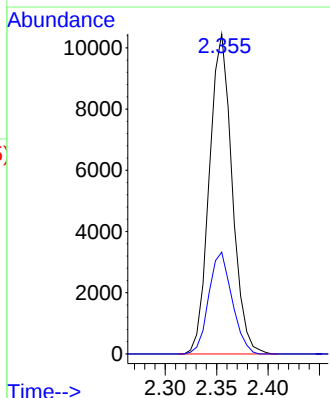
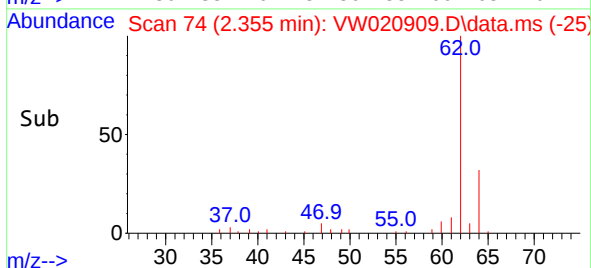
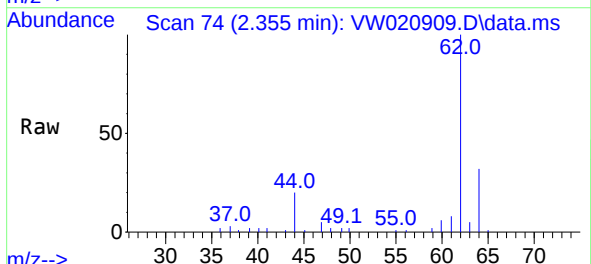
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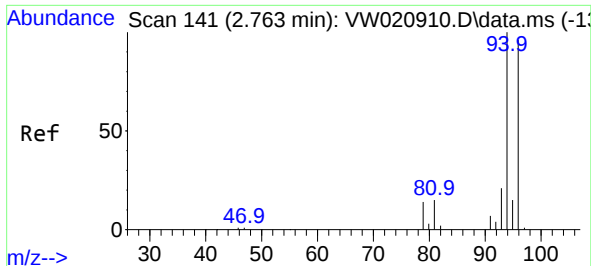
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#4
Vinyl Chloride
Concen: 22.085 ug/l
RT: 2.355 min Scan# 74
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Tgt Ion: 62 Resp: 16083
Ion Ratio Lower Upper
62 100
64 31.8 26.2 39.4





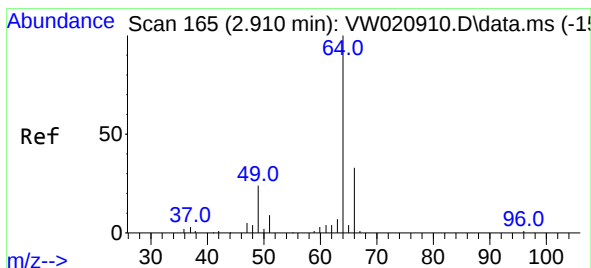
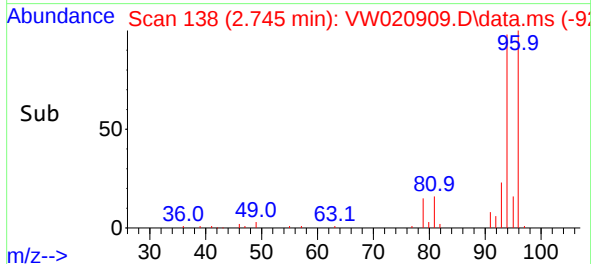
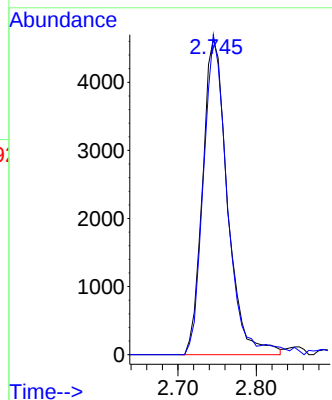
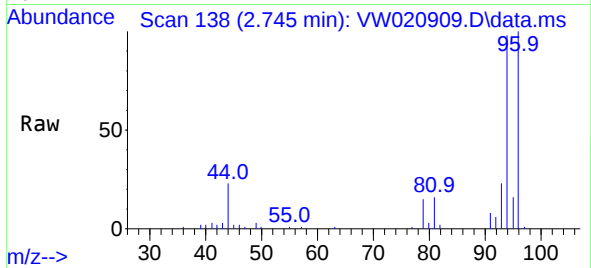
#5
Bromomethane
Concen: 22.938 ug/l
RT: 2.745 min Scan# 11
Delta R.T. -0.018 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
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ClientSampleId :
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Tgt Ion: 94 Resp: 10228
Ion Ratio Lower Upper
94 100
96 101.5 76.4 114.6

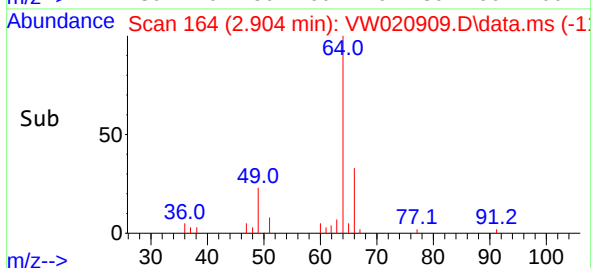
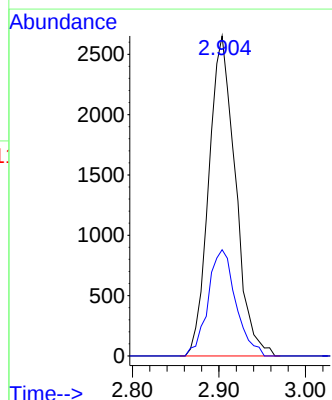
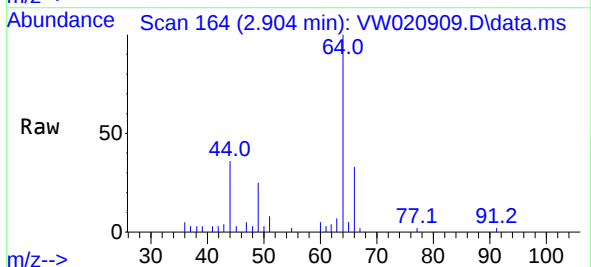
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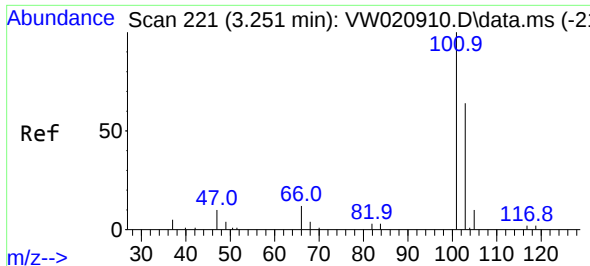
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#6
Chloroethane
Concen: 17.719 ug/l
RT: 2.904 min Scan# 164
Delta R.T. -0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Tgt Ion: 64 Resp: 5655
Ion Ratio Lower Upper
64 100
66 33.2 26.7 40.1





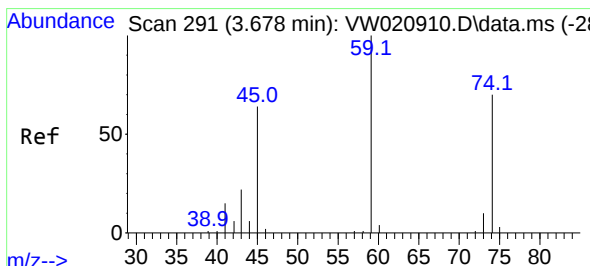
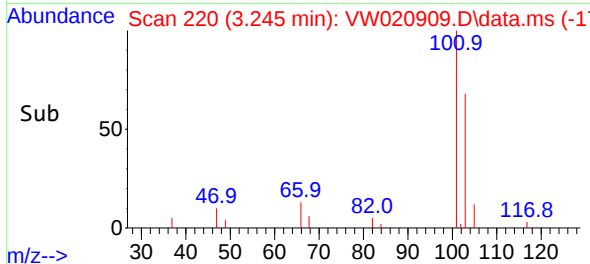
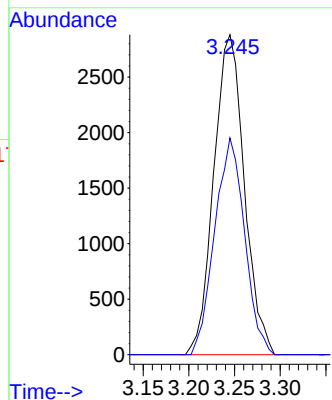
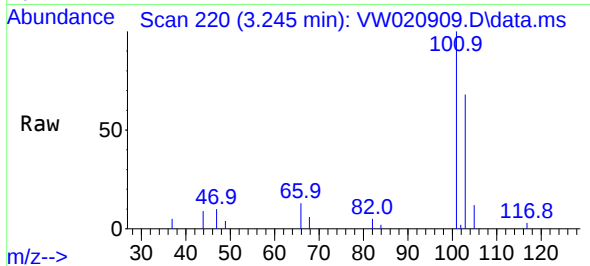
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 Trichlorofluoromethane
 Concen: 14.069 ug/l
 RT: 3.245 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW020909.D
 Acq: 17 Nov 2021 16:33

Instrument :
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Tgt Ion:101 Resp: 6709
 Ion Ratio Lower Upper
 101 100
 103 67.8 50.9 76.3

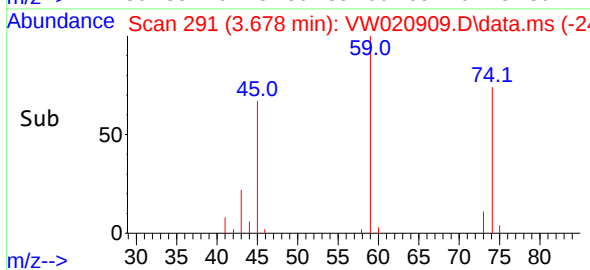
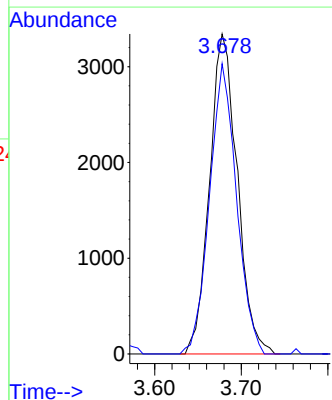
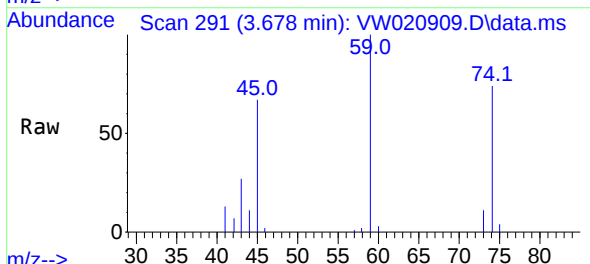
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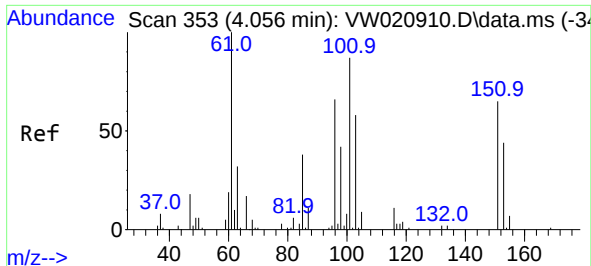
Reviewed By :Vimala Arumugam 11/18/2021
 Supervised By :Mahesh Dadoda 11/18/2021



#8
 Diethyl Ether
 Concen: 19.001 ug/l
 RT: 3.678 min Scan# 291
 Delta R.T. 0.000 min
 Lab File: VW020909.D
 Acq: 17 Nov 2021 16:33

Tgt Ion: 74 Resp: 7417
 Ion Ratio Lower Upper
 74 100
 45 88.4 45.3 135.8





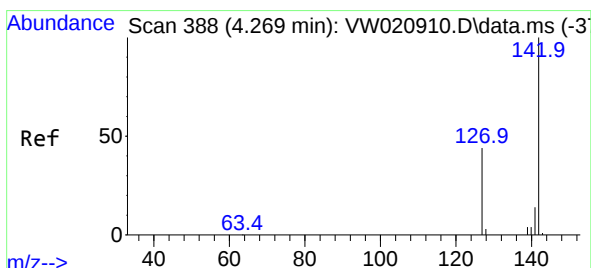
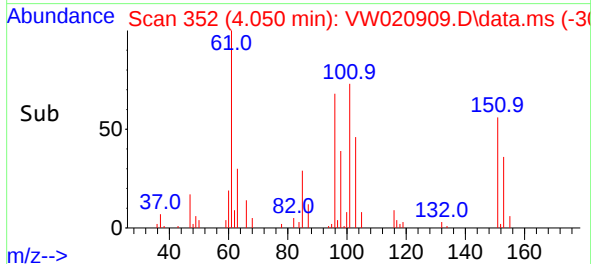
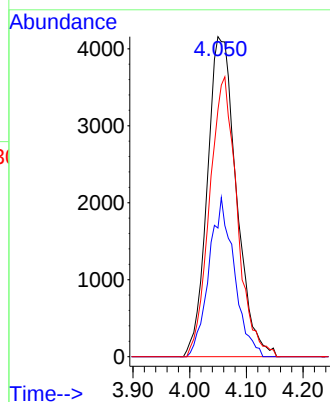
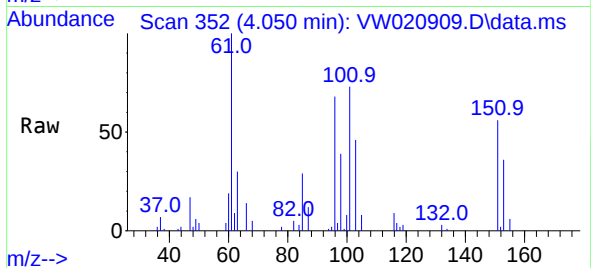
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.286 ug/l
RT: 4.050 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:101 Resp: 1478
Ion Ratio Lower Upper
101 100
85 43.2 36.6 54.8
151 82.9 66.3 99.5

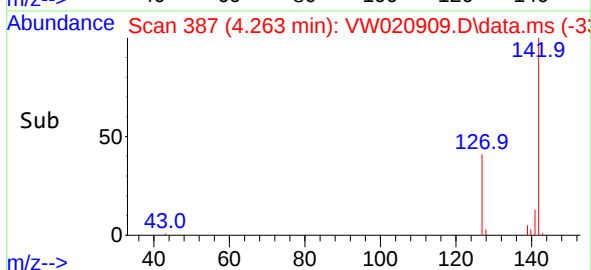
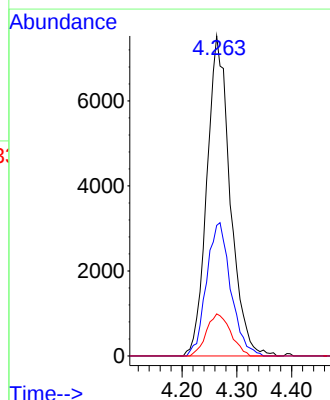
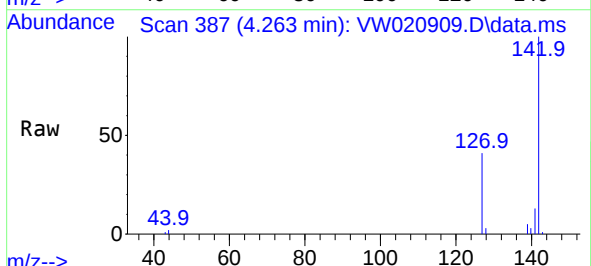
Manual Integrations
APPROVED

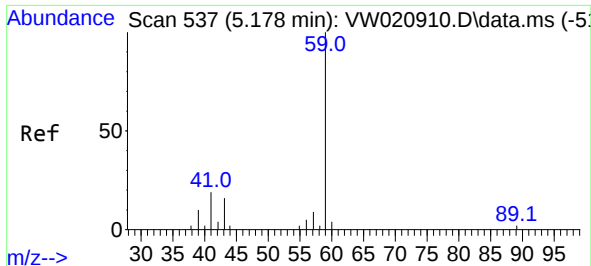
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#10
Methyl Iodide
Concen: 21.494 ug/l
RT: 4.263 min Scan# 387
Delta R.T. -0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

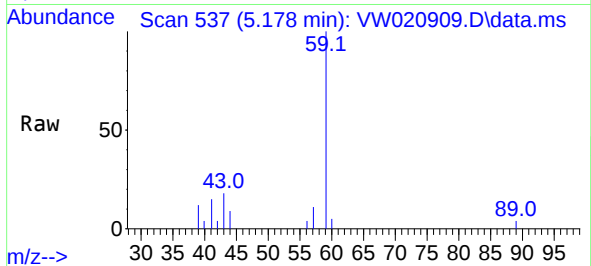
Tgt Ion:142 Resp: 22197
Ion Ratio Lower Upper
142 100
127 43.5 35.5 53.3
141 13.7 11.5 17.3





#11
Tert butyl alcohol
Concen: 139.992 ug/l
RT: 5.178 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

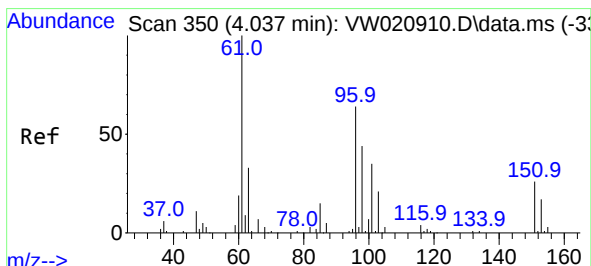
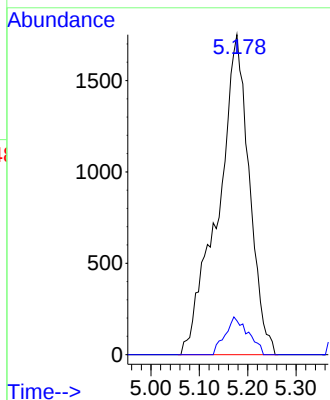
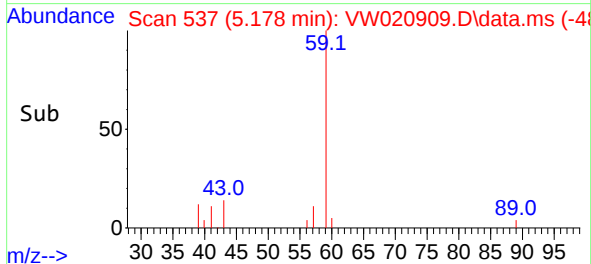
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



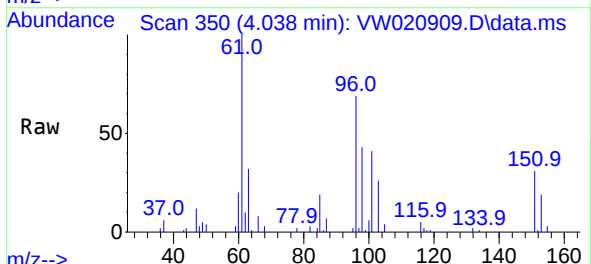
Tgt Ion: 59 Resp: 788
Ion Ratio Lower Upper
59 100
57 8.6 4.3 6.5

Manual Integrations
APPROVED

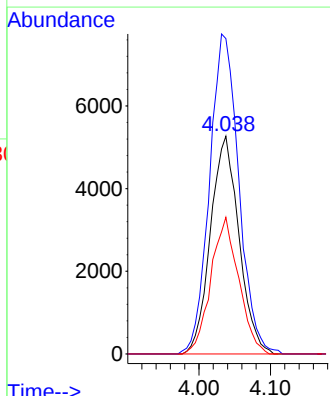
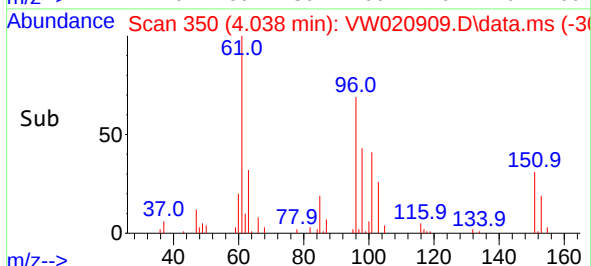
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

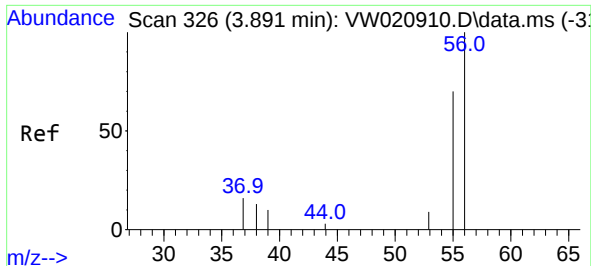


#12
1,1-Dichloroethene
Concen: 19.348 ug/l
RT: 4.038 min Scan# 350
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33



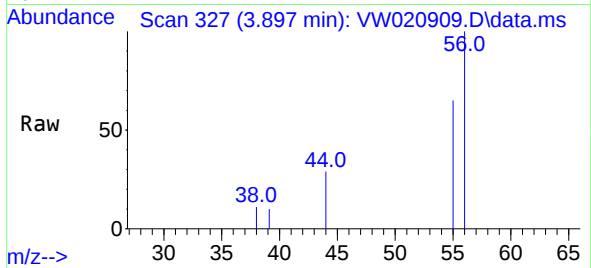
Tgt Ion: 96 Resp: 14600
Ion Ratio Lower Upper
96 100
61 144.8 124.4 186.6
98 62.8 54.2 81.2





#13
Acrolein
Concen: 32.504 ug/l
RT: 3.897 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

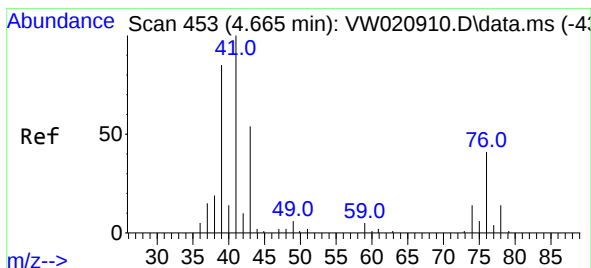
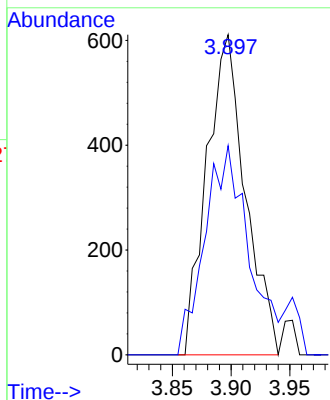
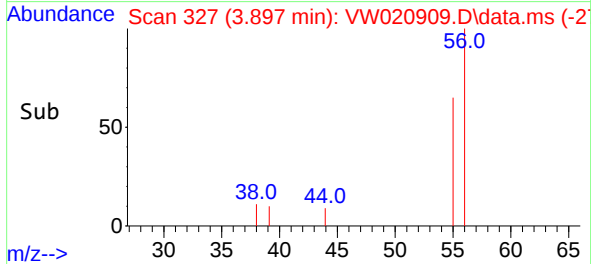
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



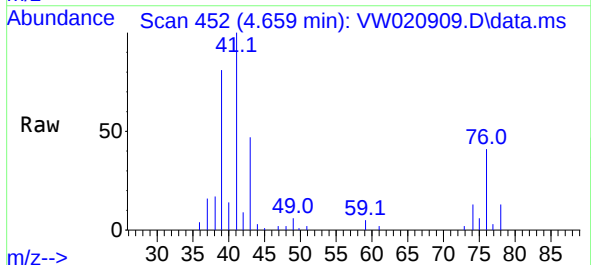
Tgt Ion: 56 Resp: 1399
Ion Ratio Lower Upper
56 100
55 73.8 61.2 91.8

Manual Integrations
APPROVED

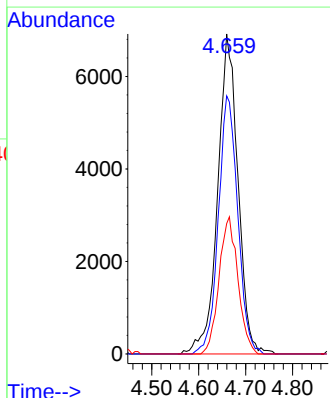
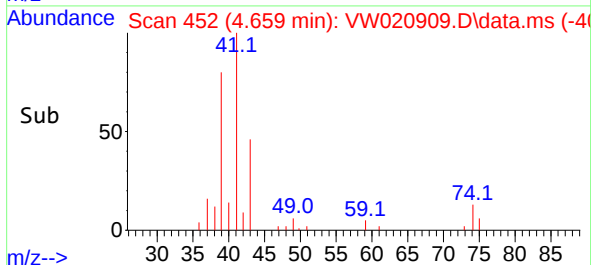
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

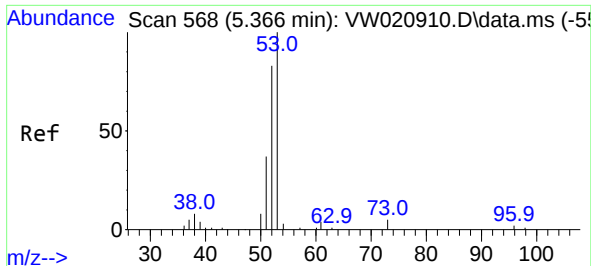


#14
Allyl chloride
Concen: 17.430 ug/l
RT: 4.659 min Scan# 452
Delta R.T. -0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33



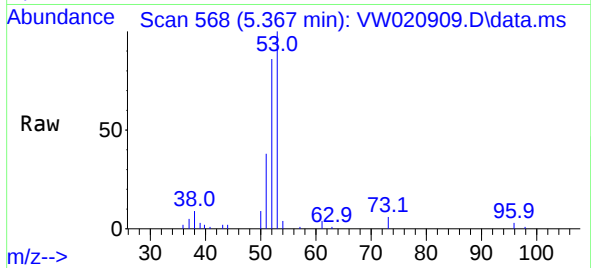
Tgt Ion: 41 Resp: 20770
Ion Ratio Lower Upper
41 100
39 77.2 63.4 95.2
76 39.9 32.2 48.4





#15
Acrylonitrile
Concen: 84.135 ug/l
RT: 5.367 min Scan# 568
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

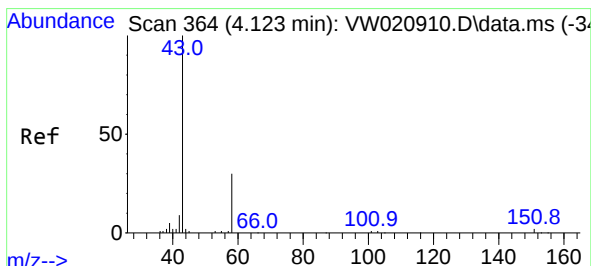
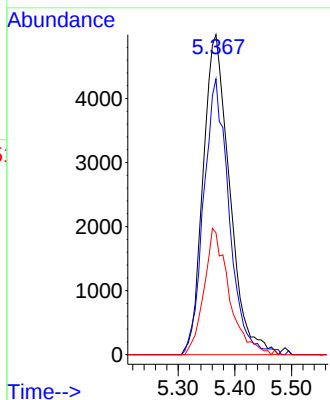
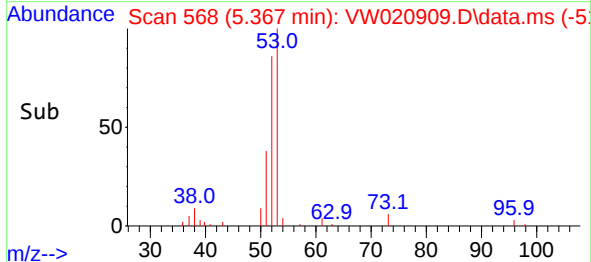
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion: 53 Resp: 16230
Ion Ratio Lower Upper
53 100
52 82.6 65.9 98.9
51 37.5 29.8 44.6

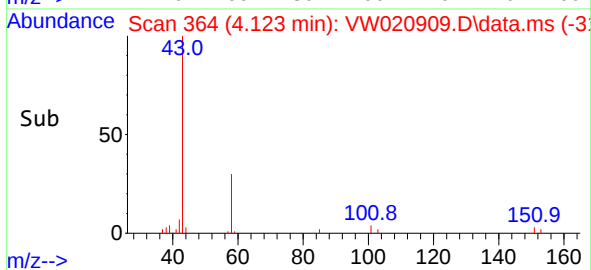
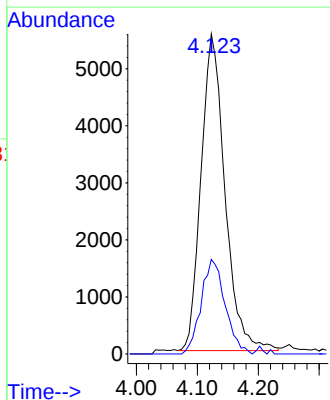
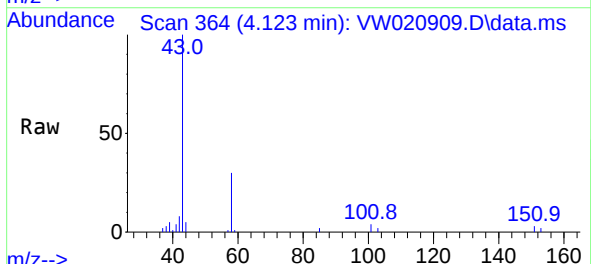
Manual Integrations
APPROVED

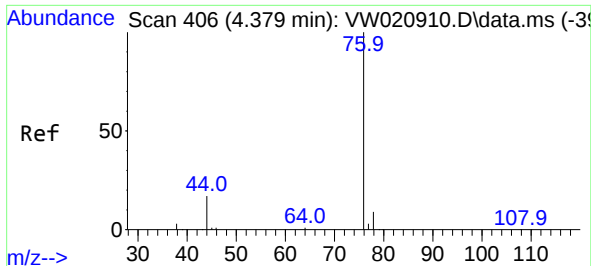
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#16
Acetone
Concen: 72.913 ug/l
RT: 4.123 min Scan# 364
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Tgt Ion: 43 Resp: 15178
Ion Ratio Lower Upper
43 100
58 29.9 24.2 36.2





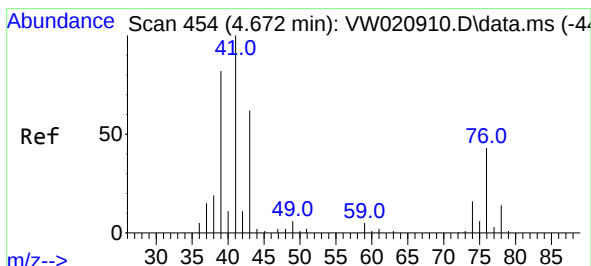
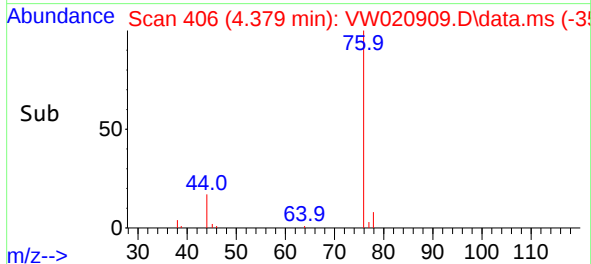
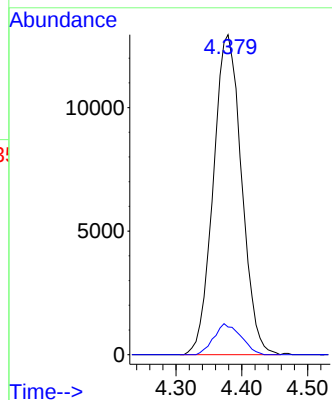
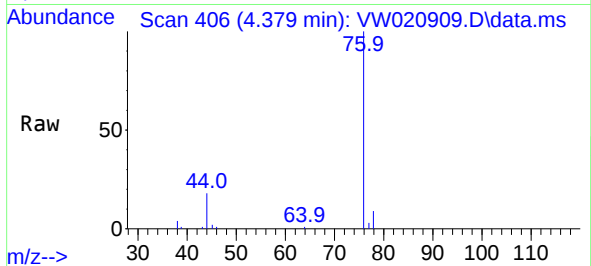
#17
Carbon Disulfide
Concen: 17.771 ug/l
RT: 4.379 min Scan# 406
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 38724
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9

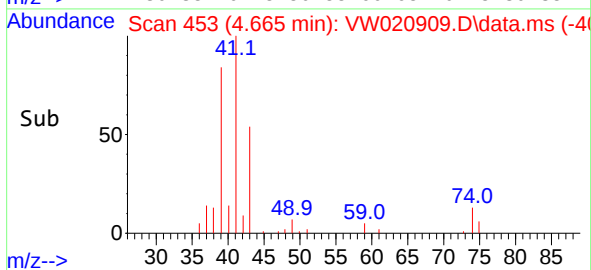
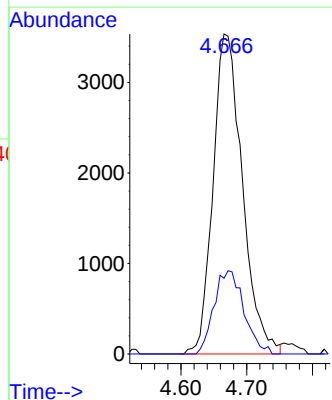
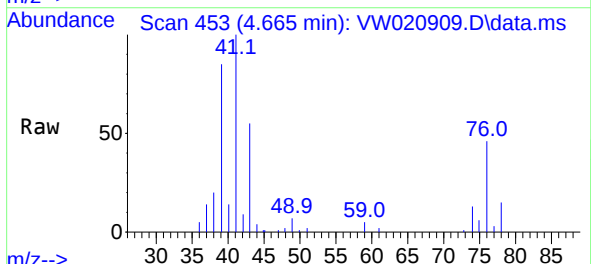
Manual Integrations
APPROVED

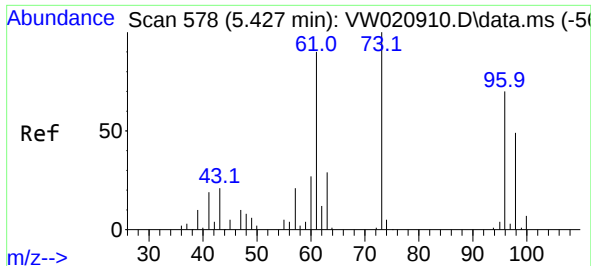
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#18
Methyl Acetate
Concen: 16.594 ug/l
RT: 4.665 min Scan# 453
Delta R.T. -0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Tgt Ion: 43 Resp: 10954
Ion Ratio Lower Upper
43 100
74 26.5 19.7 29.5





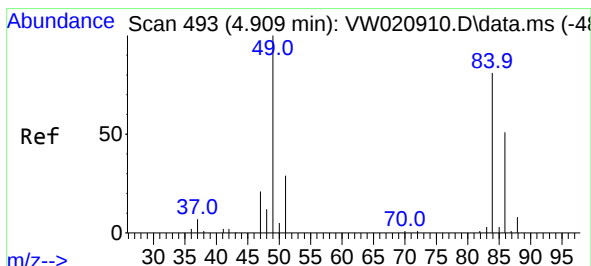
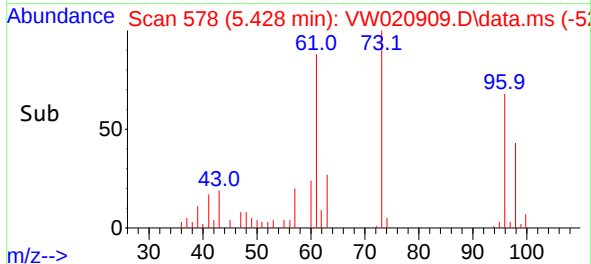
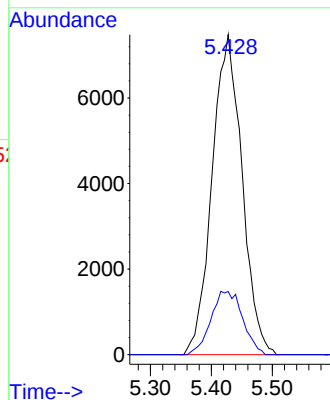
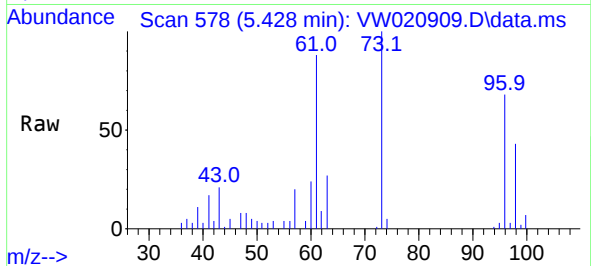
#19
Methyl tert-butyl Ether
Concen: 19.828 ug/l
RT: 5.428 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 2556
Ion Ratio Lower Upper
73 100
57 19.8 17.0 25.6

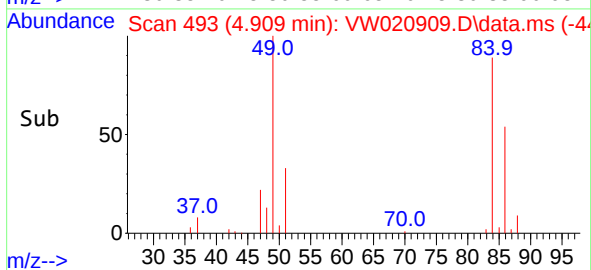
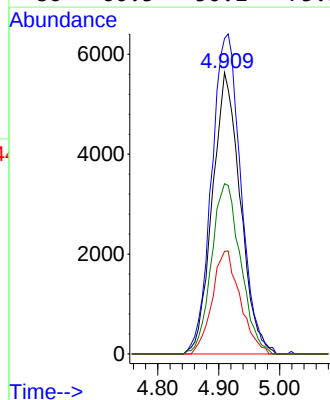
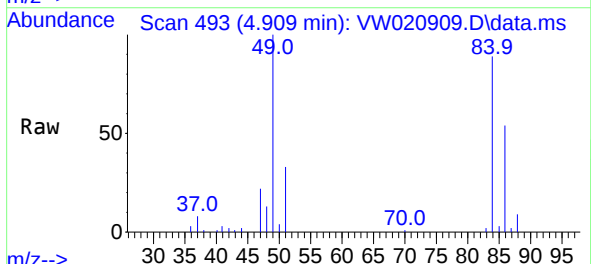
Manual Integrations
APPROVED

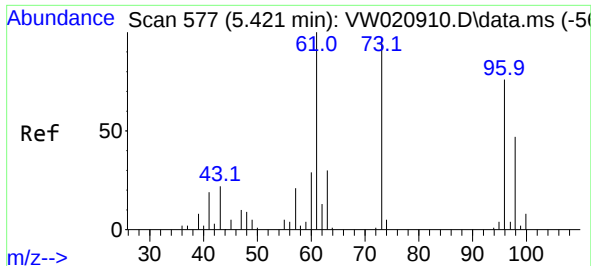
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#20
Methylene Chloride
Concen: 16.201 ug/l
RT: 4.909 min Scan# 493
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

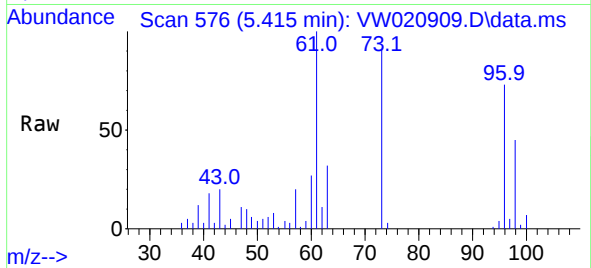
Tgt Ion: 84 Resp: 17945
Ion Ratio Lower Upper
84 100
49 112.1 99.1 148.7
51 36.5 28.8 43.2
86 60.5 50.1 75.1





#21
trans-1,2-Dichloroethene
Concen: 19.652 ug/l
RT: 5.415 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

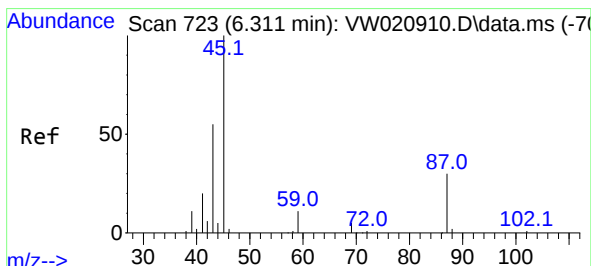
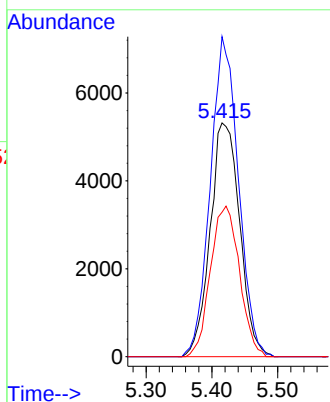
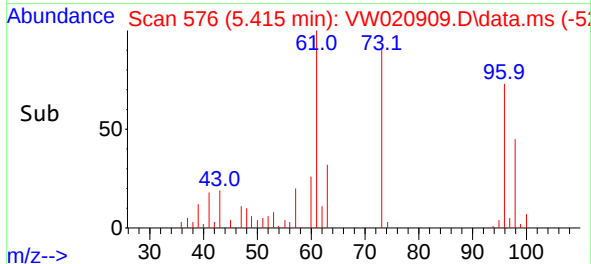
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020



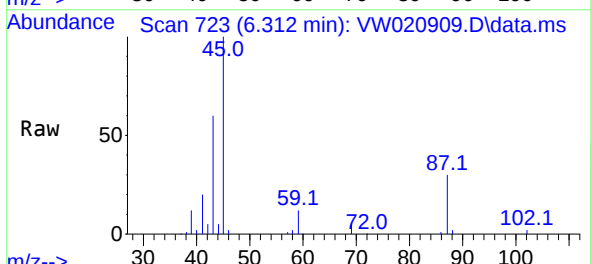
Tgt Ion: 96 Resp: 16639
Ion Ratio Lower Upper
96 100
61 136.9 105.7 158.5
98 61.8 49.7 74.5

Manual Integrations
APPROVED

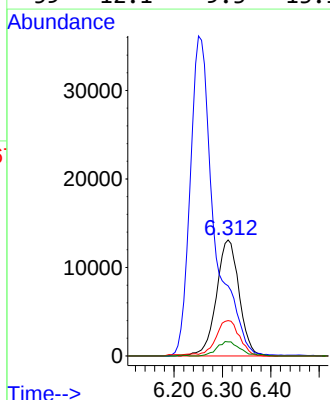
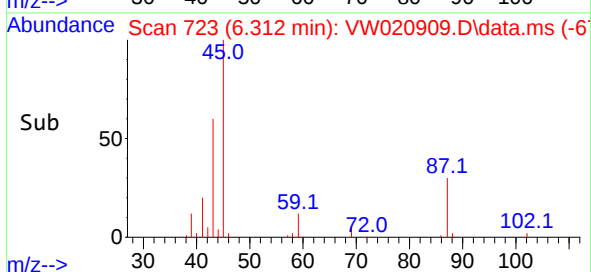
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

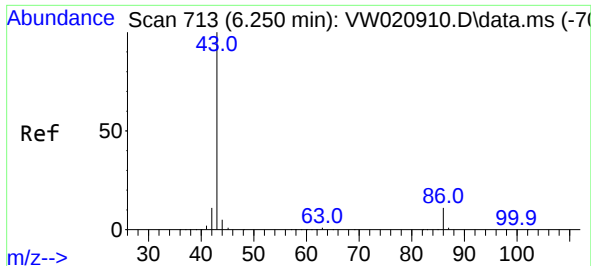


#22
Diisopropyl ether
Concen: 18.150 ug/l
RT: 6.312 min Scan# 723
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33



Tgt Ion: 45 Resp: 42680
Ion Ratio Lower Upper
45 100
43 59.7 46.2 69.4
87 30.4 25.0 37.6
59 12.1 9.3 13.9





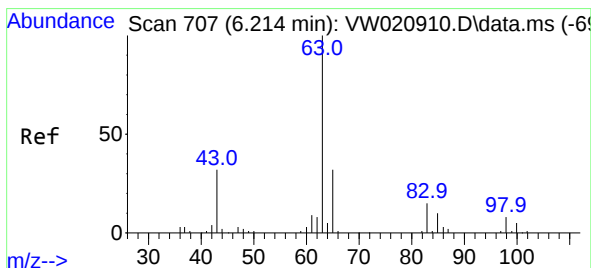
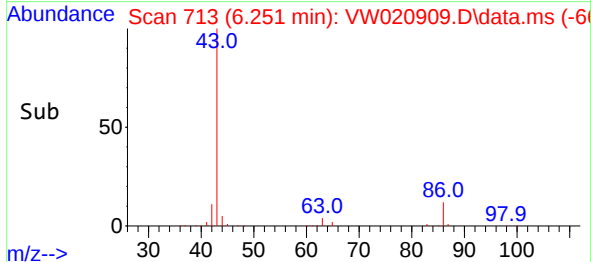
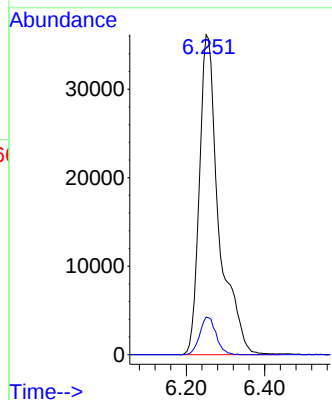
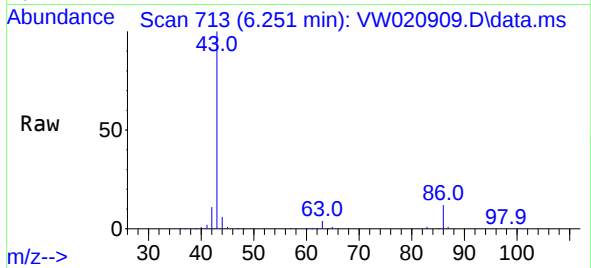
#23
 Vinyl Acetate
 Concen: 91.733 ug/l
 RT: 6.251 min Scan# 713
 Delta R.T. 0.000 min
 Lab File: VW020909.D
 Acq: 17 Nov 2021 16:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Tgt Ion: 43 Resp: 125095
 Ion Ratio Lower Upper
 43 100
 86 11.7 9.2 13.8

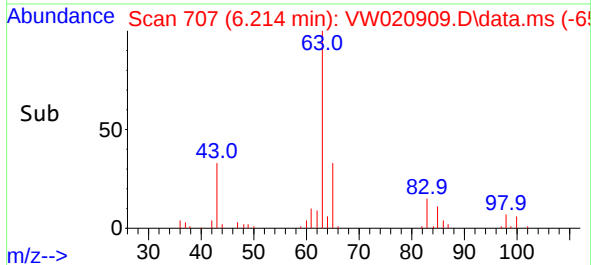
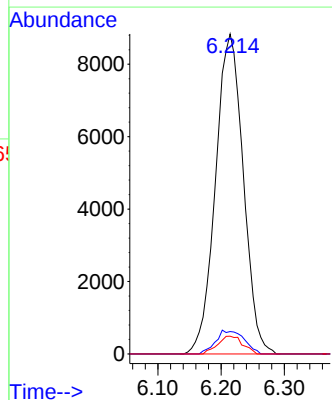
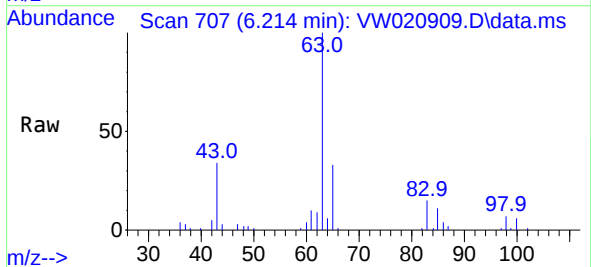
Manual Integrations
 APPROVED

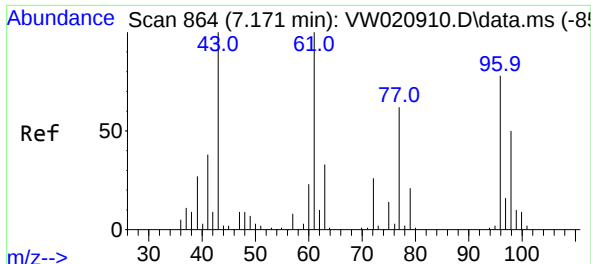
Reviewed By :Vimala Arumugam 11/18/2021
 Supervised By :Mahesh Dadoda 11/18/2021



#24
 1,1-Dichloroethane
 Concen: 17.822 ug/l
 RT: 6.214 min Scan# 707
 Delta R.T. 0.000 min
 Lab File: VW020909.D
 Acq: 17 Nov 2021 16:33

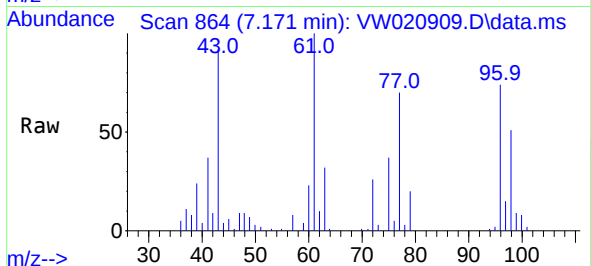
Tgt Ion: 63 Resp: 26952
 Ion Ratio Lower Upper
 63 100
 98 7.0 4.0 12.2
 100 5.6 2.6 8.0





#25
2-Butanone
Concen: 86.490 ug/l
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

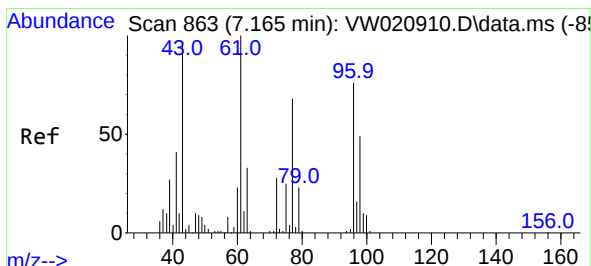
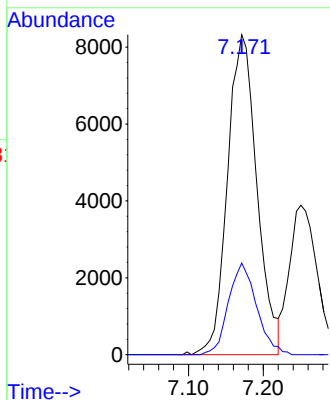
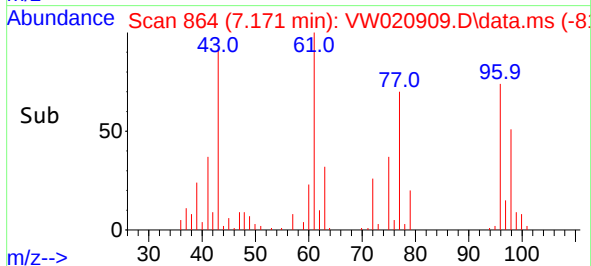
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020



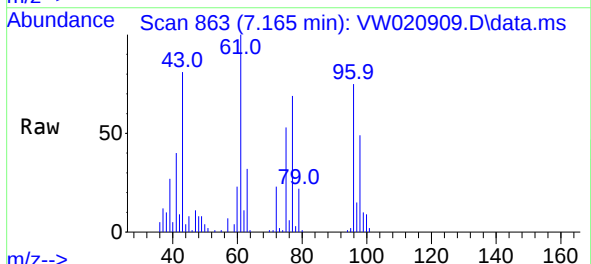
Tgt Ion: 43 Resp: 2283
Ion Ratio Lower Upper
43 100
72 28.6 20.7 31.1

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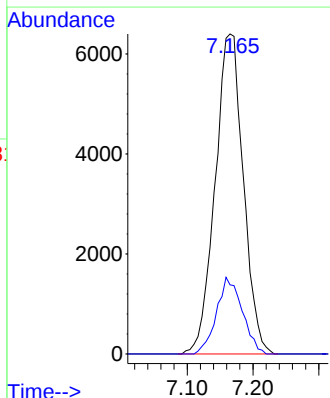
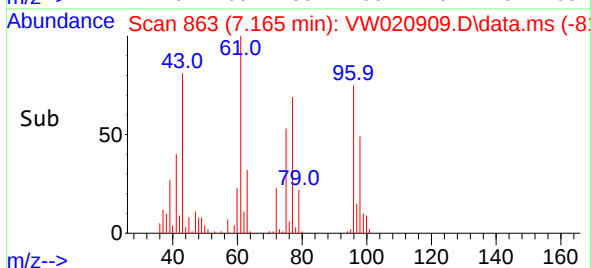
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

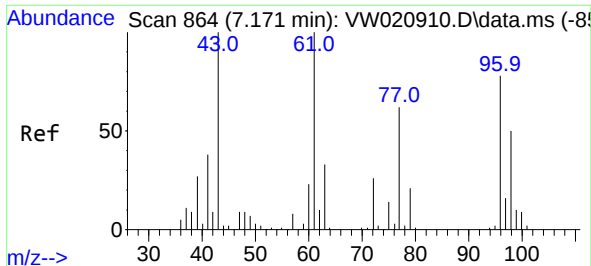


#26
2,2-Dichloropropane
Concen: 19.240 ug/l
RT: 7.165 min Scan# 863
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33



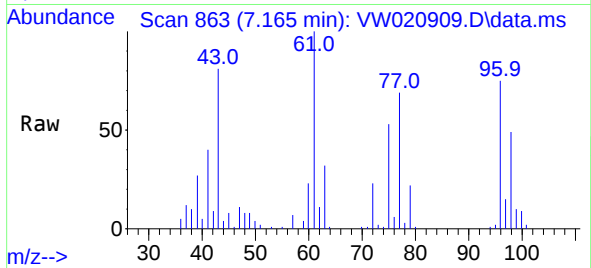
Tgt Ion: 77 Resp: 19095
Ion Ratio Lower Upper
77 100
97 21.8 11.7 35.1





#27
cis-1,2-Dichloroethene
Concen: 20.486 ug/l
RT: 7.165 min Scan# 864
Delta R.T. -0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

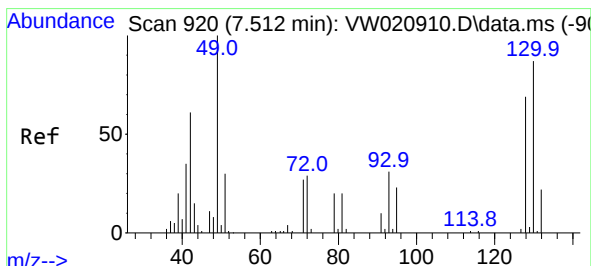
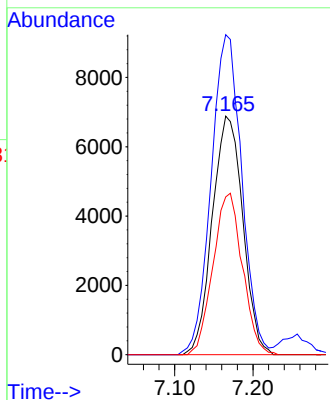
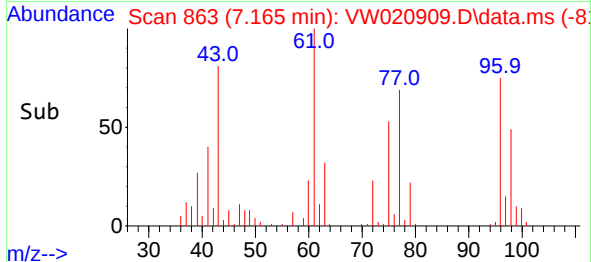
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 18610
Ion Ratio Lower Upper
96 100
61 134.8 0.0 266.6
98 65.3 0.0 129.4

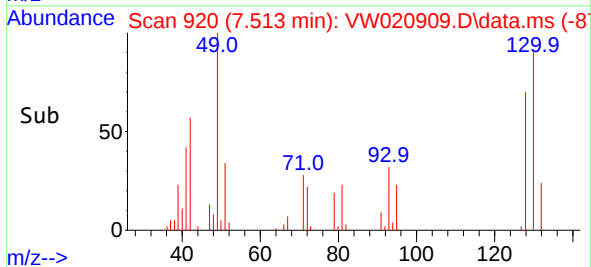
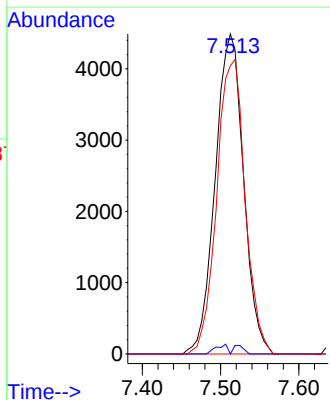
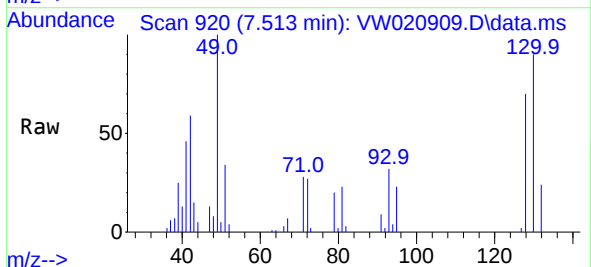
Manual Integrations
APPROVED

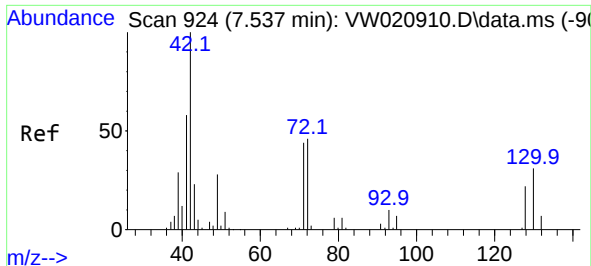
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#28
Bromochloromethane
Concen: 18.027 ug/l
RT: 7.513 min Scan# 920
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Tgt Ion: 49 Resp: 11299
Ion Ratio Lower Upper
49 100
129 1.0 0.0 4.4
130 91.7 70.8 106.2





#29

Tetrahydrofuran

Concen: 87.090 ug/l

RT: 7.531 min Scan# 91

Delta R.T. -0.006 min

Lab File: VW020909.D

Acq: 17 Nov 2021 16:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

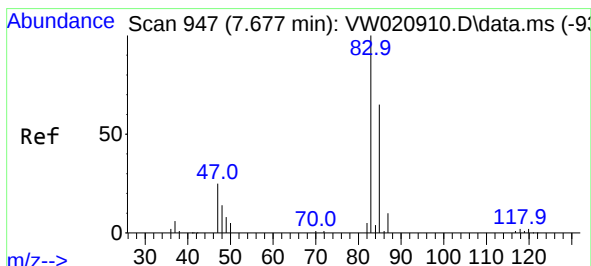
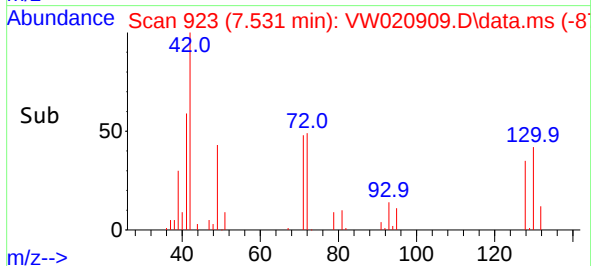
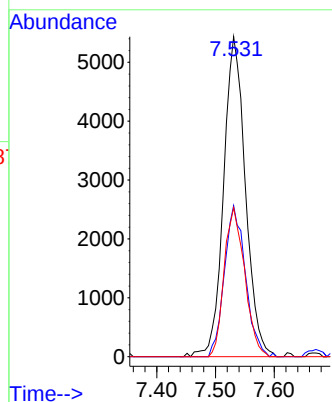
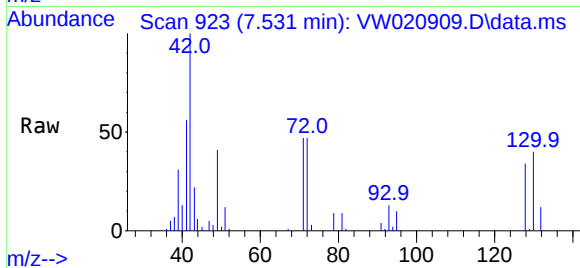
Tgt Ion: 42 Resp: 1406

Ion	Ratio	Lower	Upper
42	100		
72	45.4	37.4	56.0
71	43.6	34.7	52.1

Manual Integrations

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Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#30

Chloroform

Concen: 18.692 ug/l

RT: 7.677 min Scan# 947

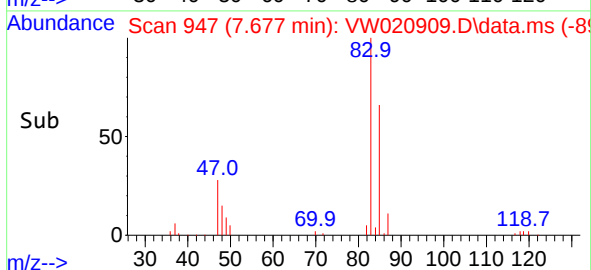
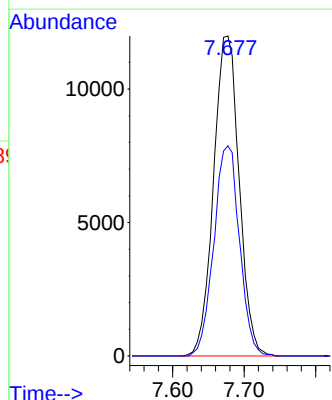
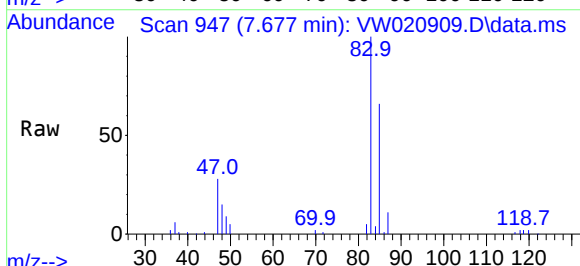
Delta R.T. 0.000 min

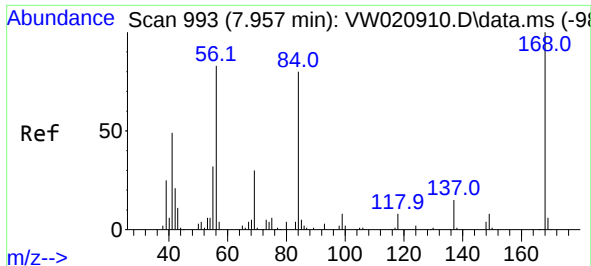
Lab File: VW020909.D

Acq: 17 Nov 2021 16:33

Tgt Ion: 83 Resp: 29794

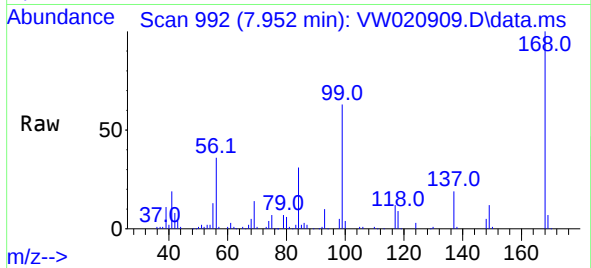
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.7	77.5





#31
Cyclohexane
Concen: 17.126 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

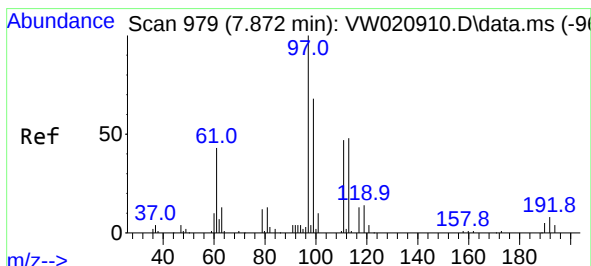
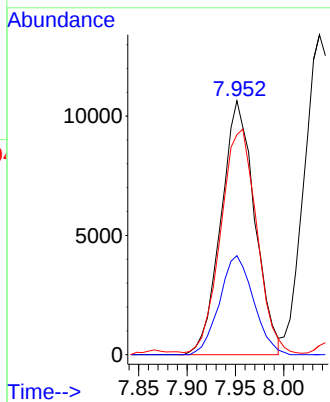
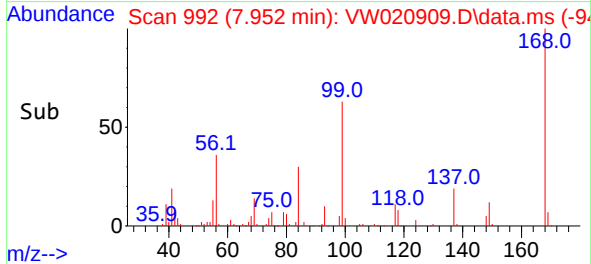
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020



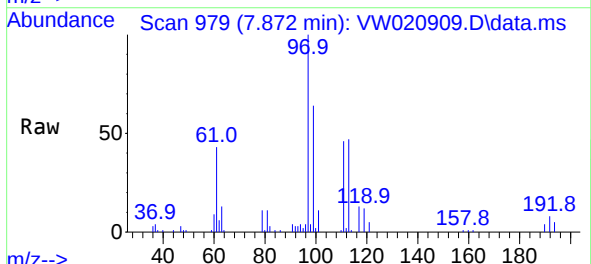
Tgt Ion: 56 Resp: 25760
Ion Ratio Lower Upper
56 100
69 39.0 28.7 43.1
84 85.5 77.6 116.4

Manual Integrations
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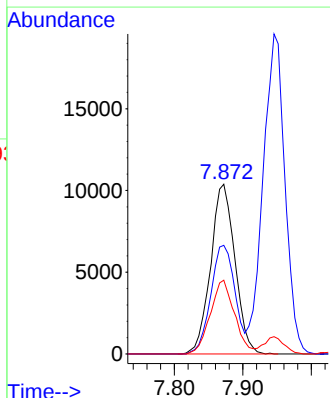
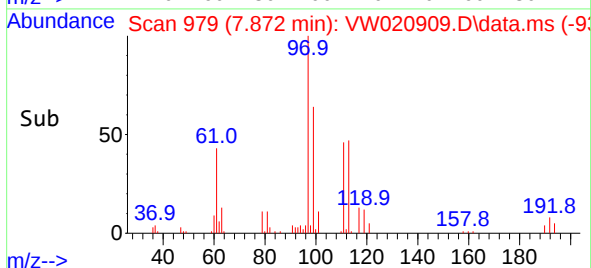
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

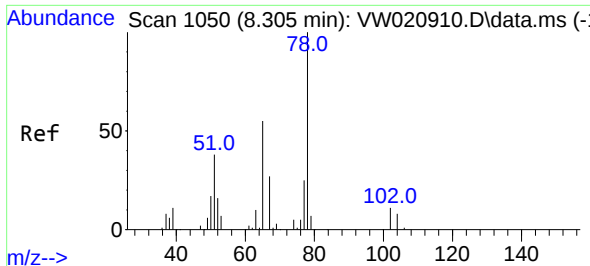


#32
1,1,1-Trichloroethane
Concen: 18.971 ug/l
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33



Tgt Ion: 97 Resp: 25499
Ion Ratio Lower Upper
97 100
99 63.9 52.0 78.0
61 43.3 34.2 51.2





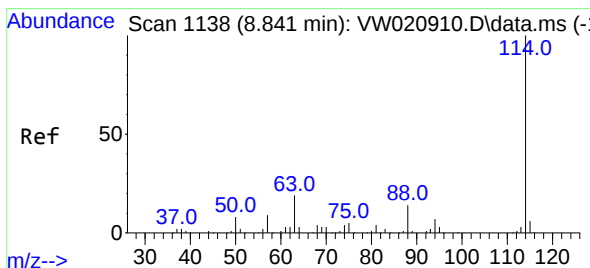
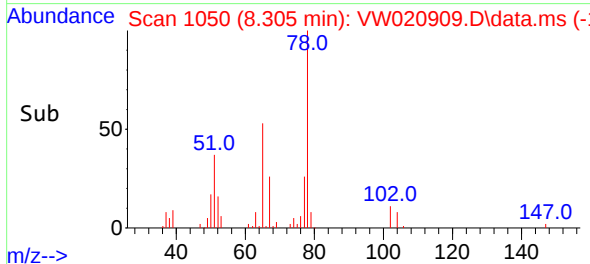
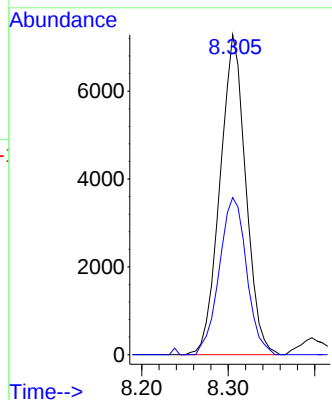
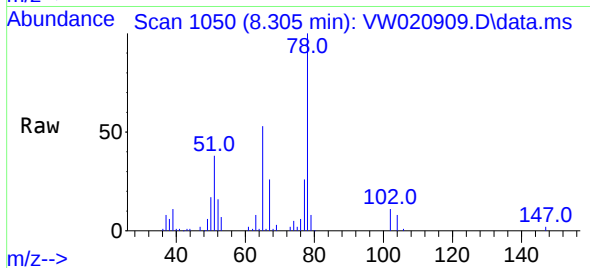
#33
1,2-Dichloroethane-d4
Concen: 16.740 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 65 Resp: 15010
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.2

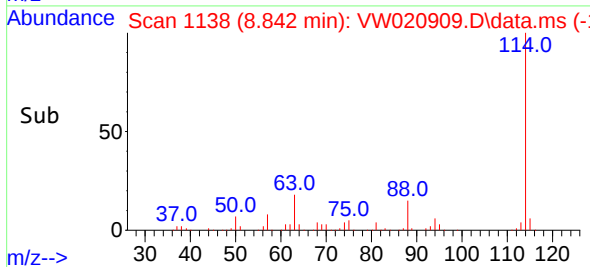
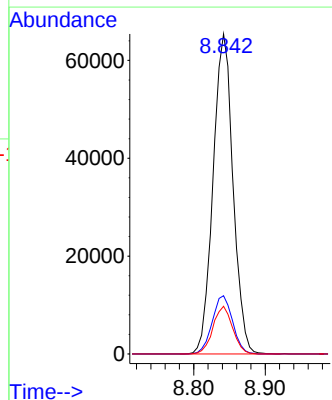
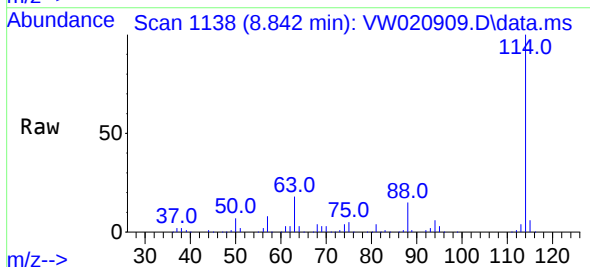
Manual Integrations
APPROVED

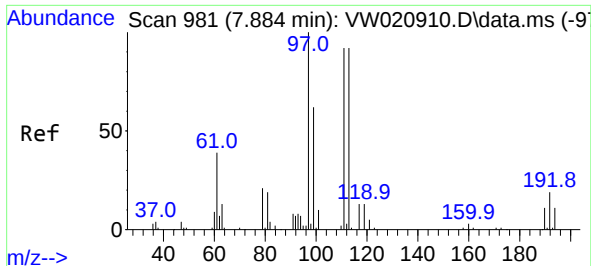
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

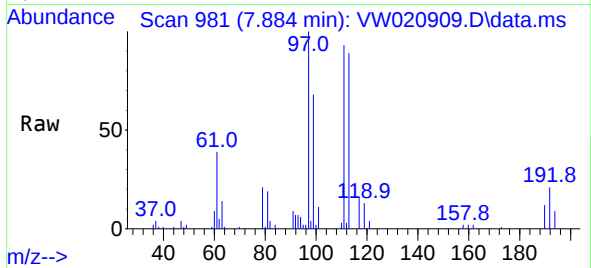
Tgt Ion:114 Resp: 126752
Ion Ratio Lower Upper
114 100
63 18.2 0.0 37.2
88 14.9 0.0 28.8





#35
Dibromofluoromethane
Concen: 17.950 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

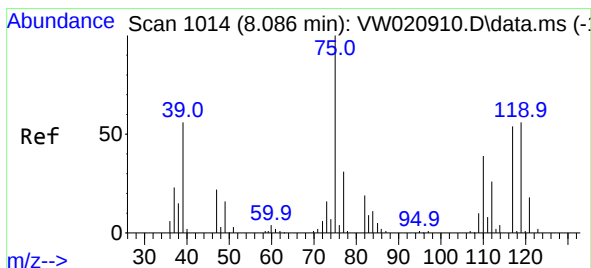
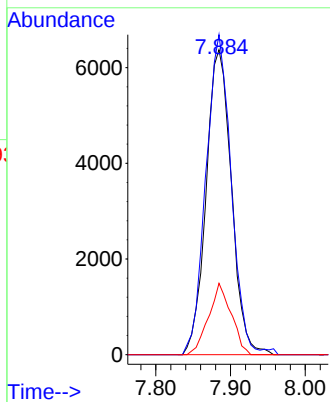
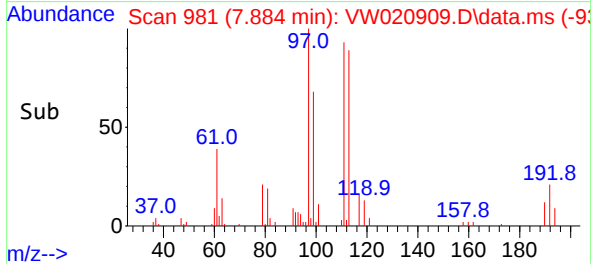
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020



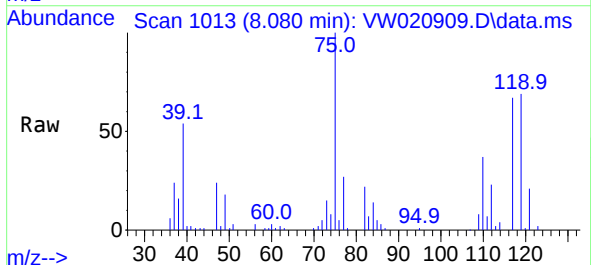
Tgt Ion: 113 Resp: 15020
Ion Ratio Lower Upper
113 100
111 104.0 81.2 121.8
192 20.9 16.8 25.2

Manual Integrations
APPROVED

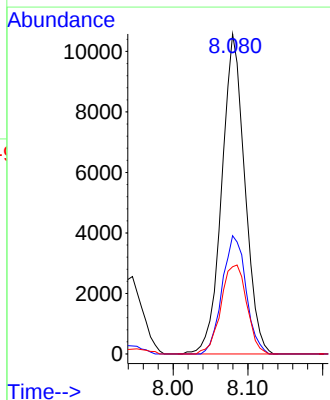
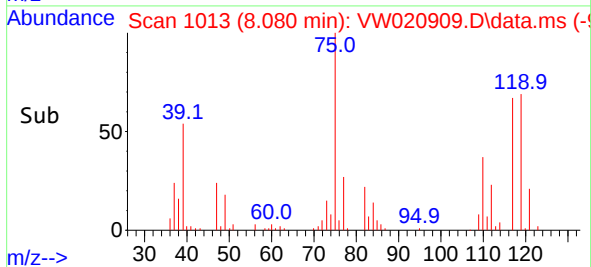
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

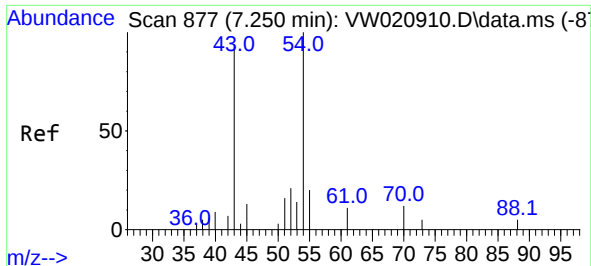


#36
1,1-Dichloropropene
Concen: 16.925 ug/l
RT: 8.080 min Scan# 1013
Delta R.T. -0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33



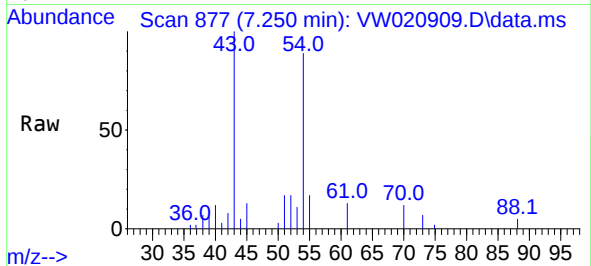
Tgt Ion: 75 Resp: 22639
Ion Ratio Lower Upper
75 100
110 38.2 19.1 57.5
77 31.1 24.8 37.2





#37
Ethyl Acetate
Concen: 17.312 ug/l
RT: 7.250 min Scan# 81
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

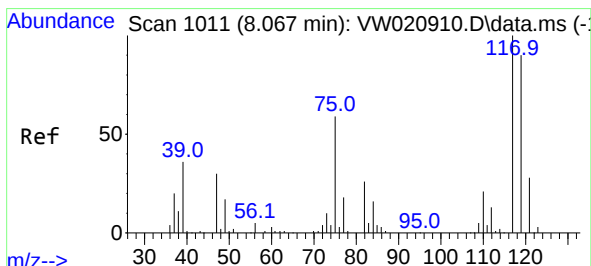
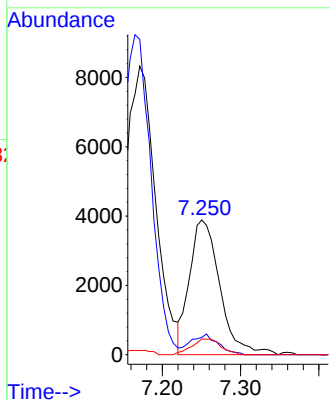
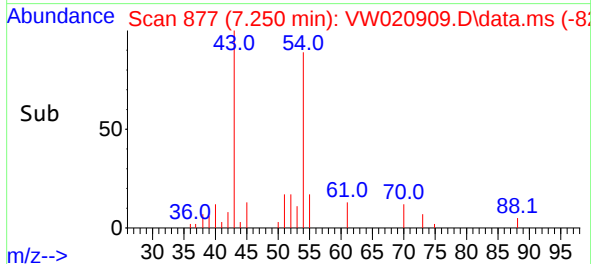
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020



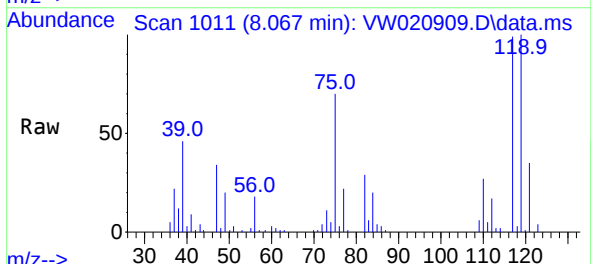
Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
61 13.8 11.3 16.9
70 11.2 9.2 13.8

Manual Integrations
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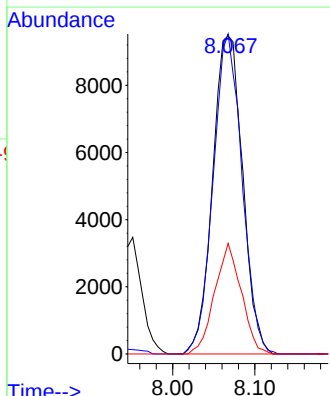
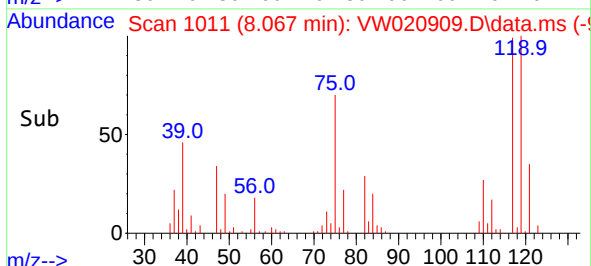
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

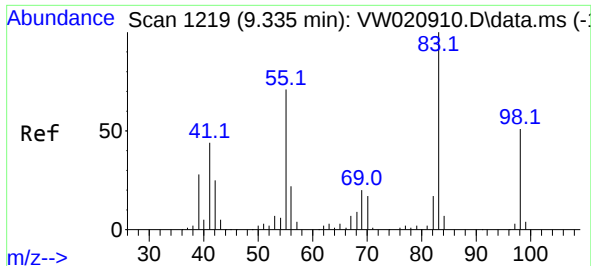


#38
Carbon Tetrachloride
Concen: 17.797 ug/l
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33



Tgt Ion:117 Resp: 24033
Ion Ratio Lower Upper
117 100
119 100.6 72.0 108.0
121 34.8 22.6 33.8#





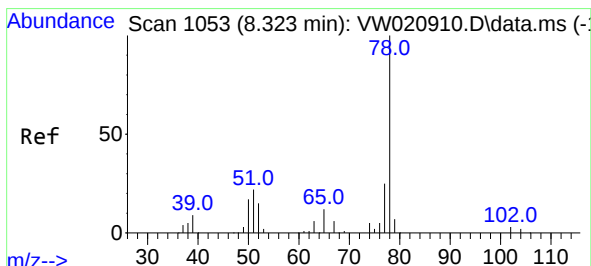
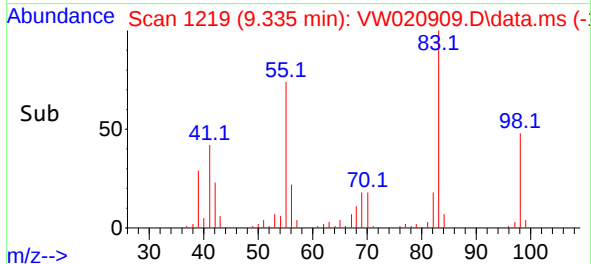
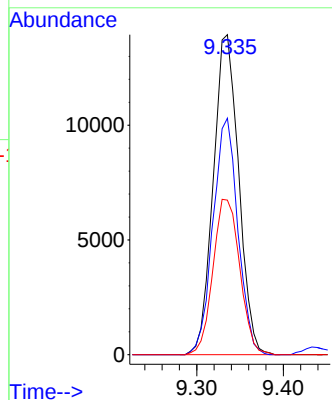
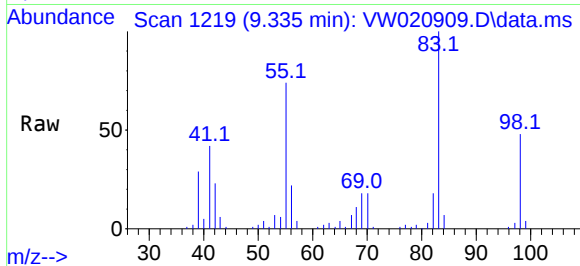
#39
Methylcyclohexane
Concen: 18.065 ug/l
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 28430
Ion Ratio Lower Upper
83 100
55 73.9 56.6 85.0
98 48.3 41.0 61.4

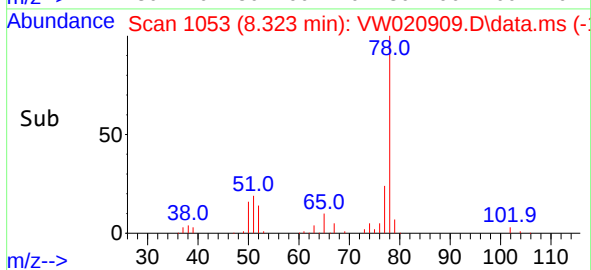
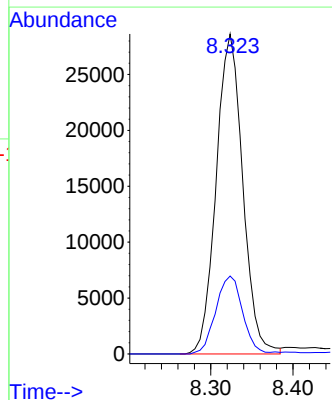
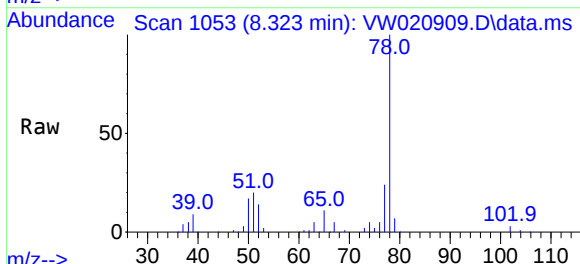
Manual Integrations
APPROVED

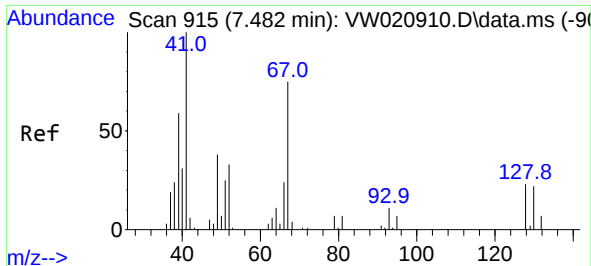
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#40
Benzene
Concen: 17.457 ug/l
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

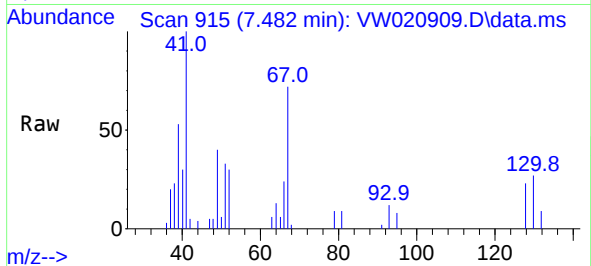
Tgt Ion: 78 Resp: 64278
Ion Ratio Lower Upper
78 100
77 24.3 20.0 30.0





#41
Methacrylonitrile
Concen: 17.029 ug/l
RT: 7.482 min Scan# 915
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

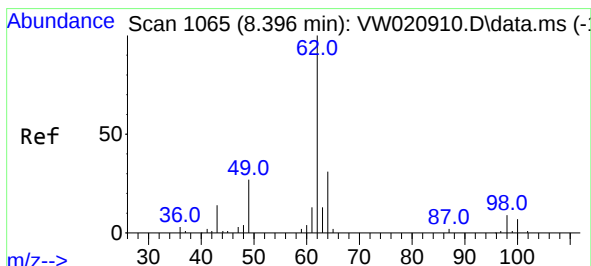
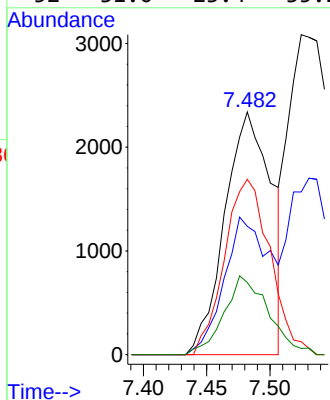
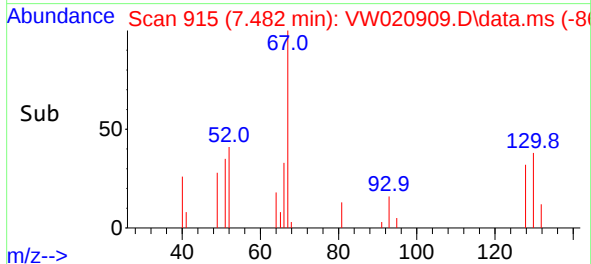
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020



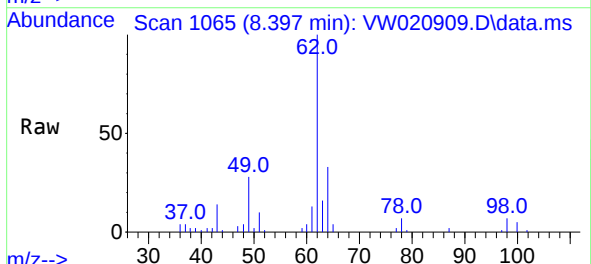
Tgt Ion: 41 Resp: 598
Ion Ratio Lower Upper
41 100
39 55.8 42.9 64.3
67 70.9 56.2 84.4
52 31.0 23.4 35.2

Manual Integrations
APPROVED

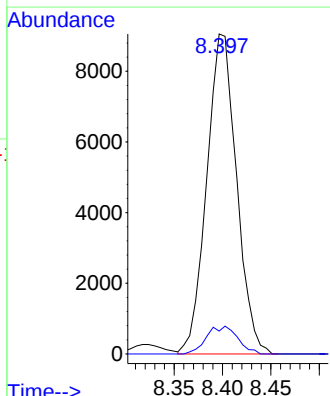
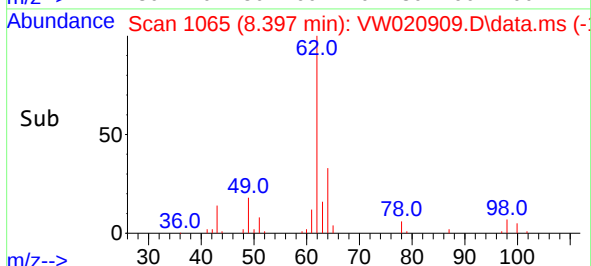
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

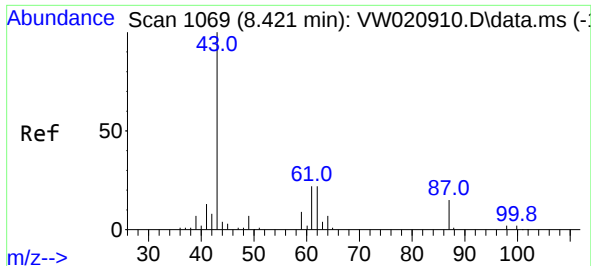


#42
1,2-Dichloroethane
Concen: 16.514 ug/l
RT: 8.397 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33



Tgt Ion: 62 Resp: 19454
Ion Ratio Lower Upper
62 100
98 9.1 0.0 19.0





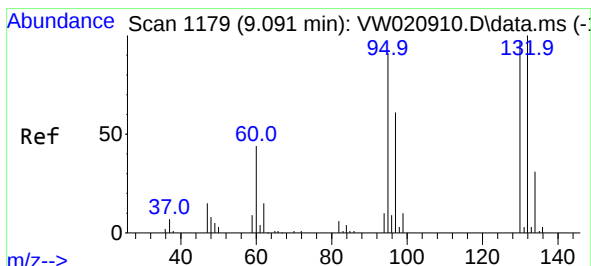
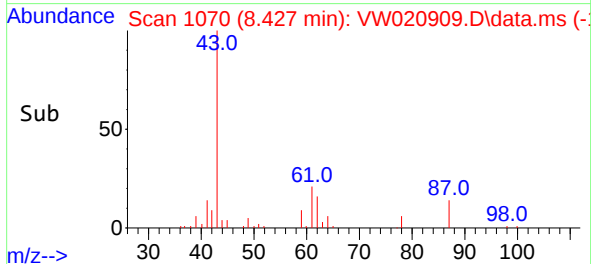
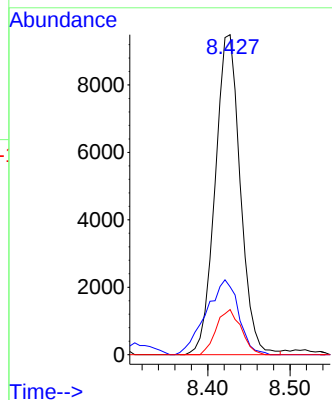
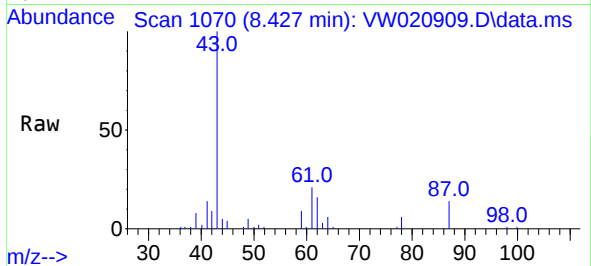
#43
Isopropyl Acetate
Concen: 17.659 ug/l
RT: 8.427 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 2016
Ion Ratio Lower Upper
43 100
61 30.4 23.7 35.5
87 13.9 11.5 17.3

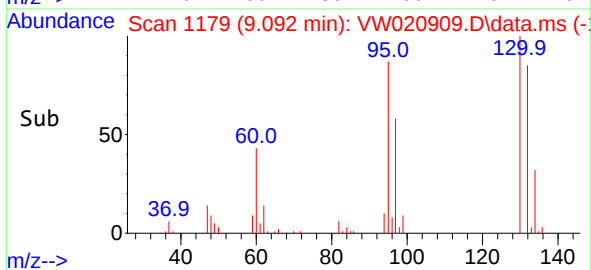
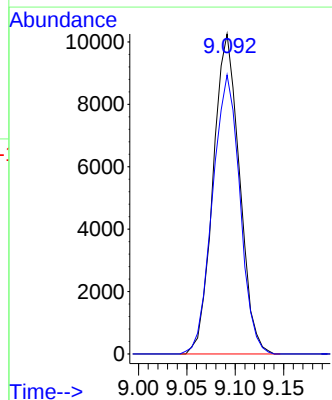
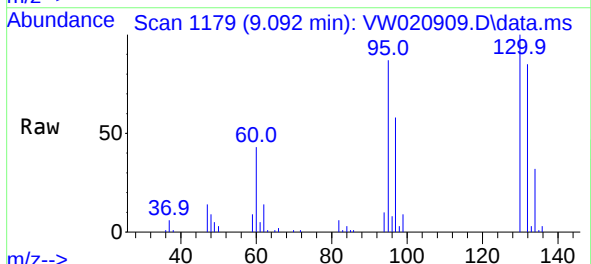
Manual Integrations
APPROVED

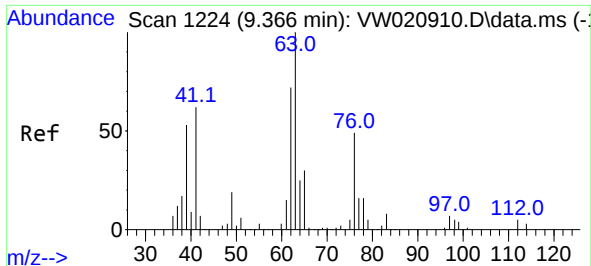
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#44
Trichloroethene
Concen: 19.129 ug/l
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Tgt Ion:130 Resp: 19425
Ion Ratio Lower Upper
130 100
95 87.2 0.0 186.6





#45

1,2-Dichloropropane

Concen: 17.305 ug/l

RT: 9.366 min Scan# 1224

Delta R.T. 0.000 min

Lab File: VW020909.D

Acq: 17 Nov 2021 16:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 63 Resp: 15220

Ion Ratio Lower Upper

63 100

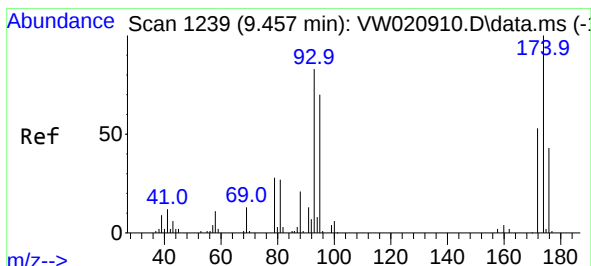
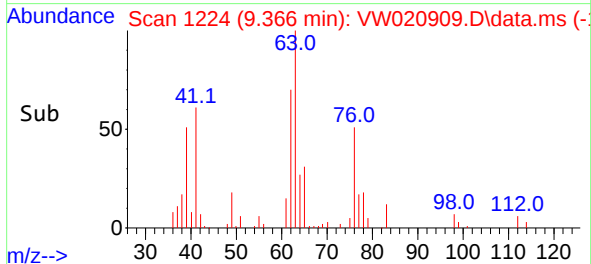
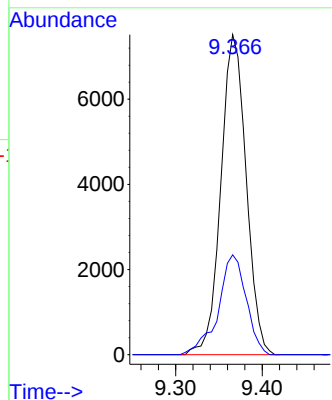
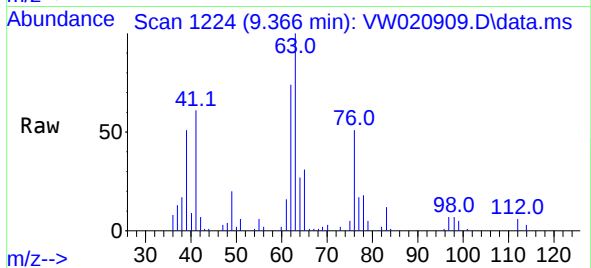
65 31.2 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/18/2021

Supervised By :Mahesh Dadoda 11/18/2021



#46

Dibromomethane

Concen: 19.051 ug/l

RT: 9.457 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VW020909.D

Acq: 17 Nov 2021 16:33

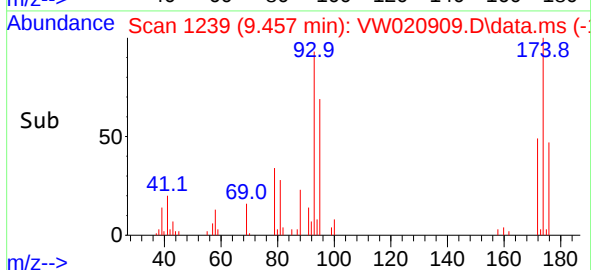
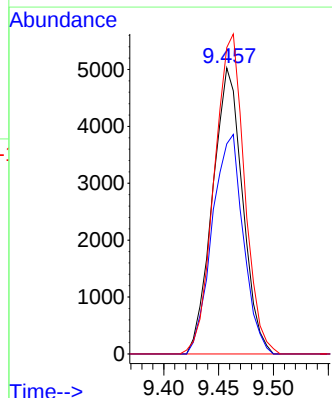
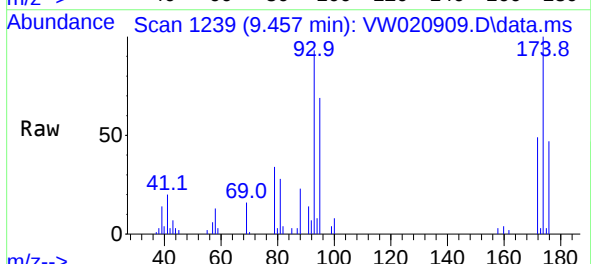
Tgt Ion: 93 Resp: 9556

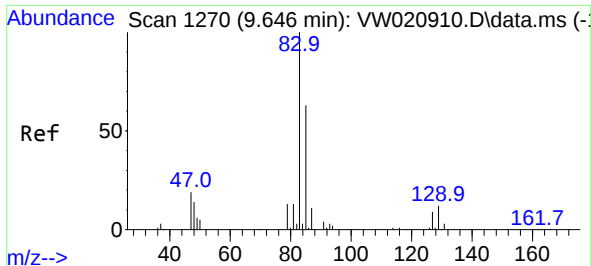
Ion Ratio Lower Upper

93 100

95 79.5 66.6 100.0

174 112.7 91.1 136.7





#47

Bromodichloromethane

Concen: 18.418 ug/l

RT: 9.640 min Scan# 1270

Delta R.T. -0.006 min

Lab File: VW020909.D

Acq: 17 Nov 2021 16:33

Instrument :

MSVOA_W

ClientSampleId :

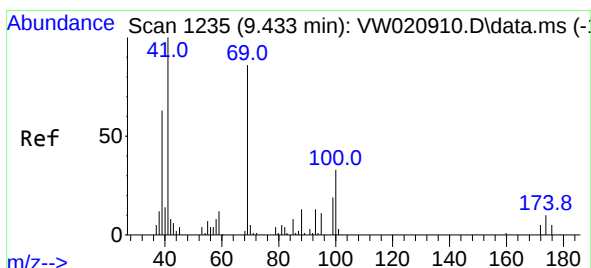
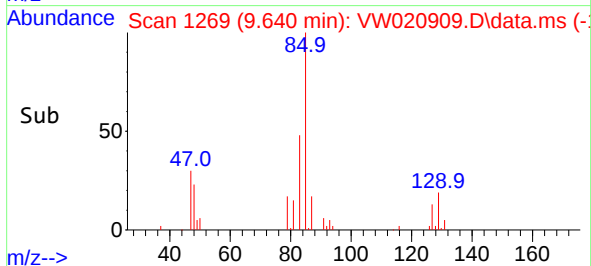
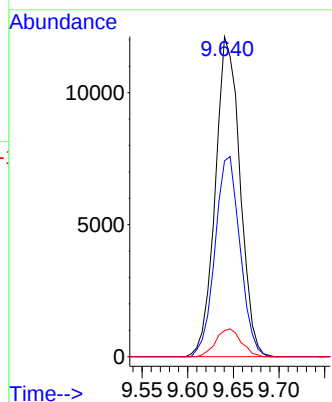
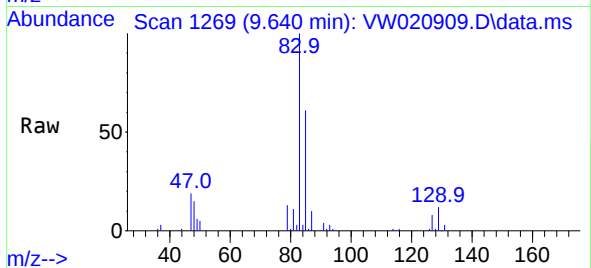
VSTDICC020

Tgt Ion:	83	Resp:	22728
Ion	Ratio	Lower	Upper
83	100		
85	61.2	50.3	75.5
127	8.1	7.1	10.7

Manual Integrations

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Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#48

Methyl methacrylate

Concen: 17.422 ug/l

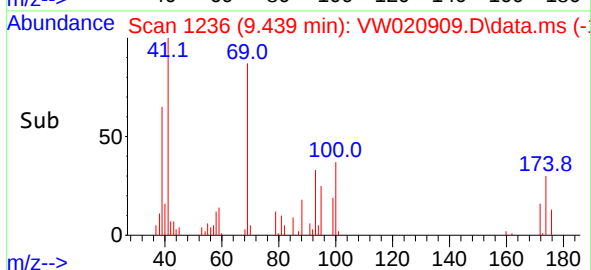
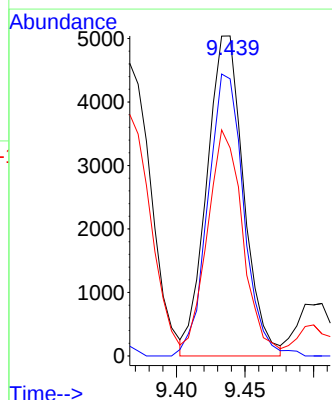
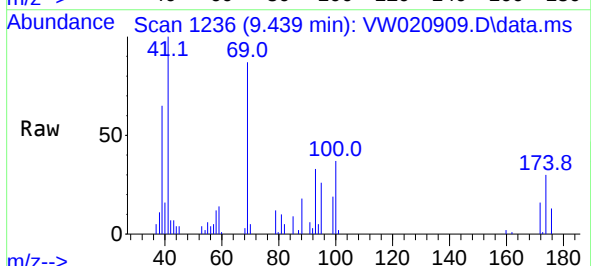
RT: 9.439 min Scan# 1236

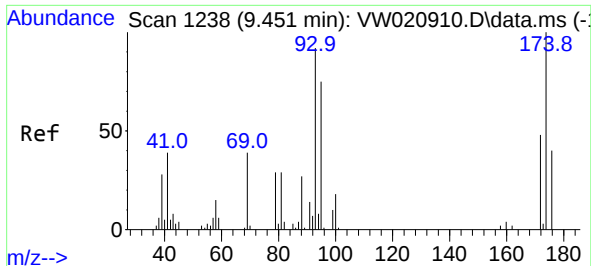
Delta R.T. 0.006 min

Lab File: VW020909.D

Acq: 17 Nov 2021 16:33

Tgt Ion:	41	Resp:	9449
Ion	Ratio	Lower	Upper
41	100		
69	85.6	72.9	109.3
39	63.7	54.2	81.4





#49

1,4-Dioxane

Concen: 436.937 ug/l

RT: 9.451 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VW020909.D

Acq: 17 Nov 2021 16:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 290

Ion Ratio Lower Upper

88 100

43 29.5 26.6 39.8

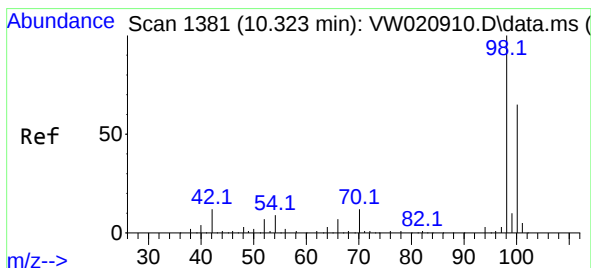
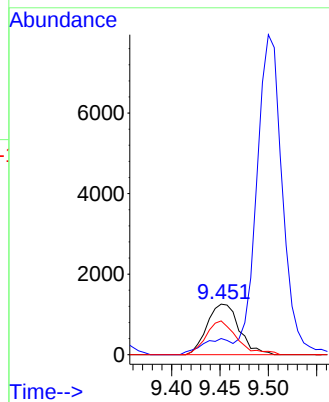
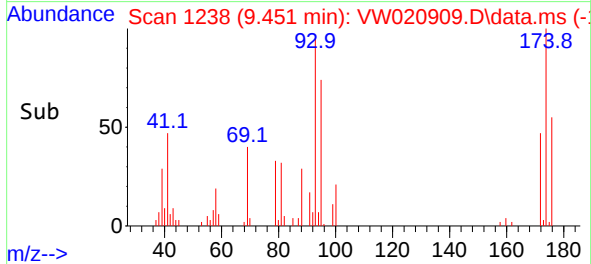
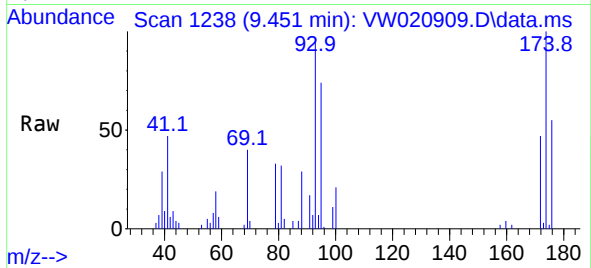
58 64.3 51.8 77.8

Manual Integrations

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Reviewed By :Vimala Arumugam 11/18/2021

Supervised By :Mahesh Dadoda 11/18/2021



#50

Toluene-d8

Concen: 17.840 ug/l

RT: 10.323 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VW020909.D

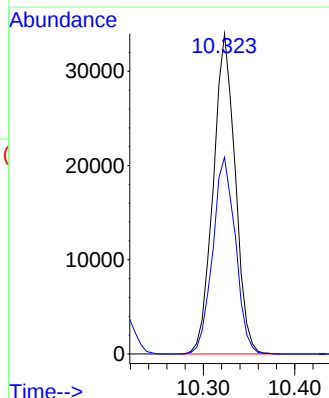
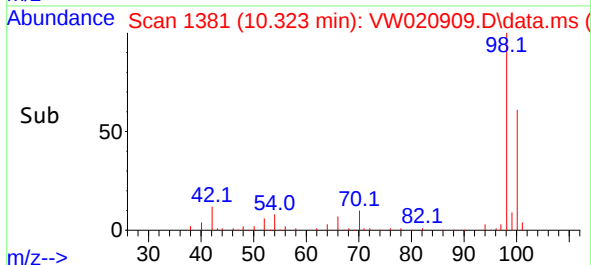
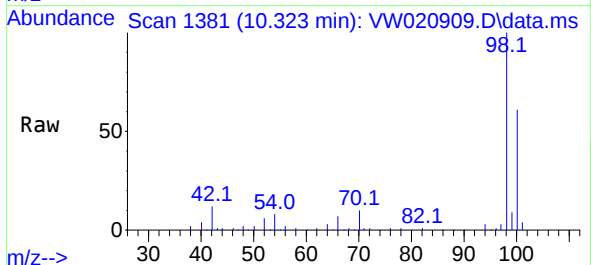
Acq: 17 Nov 2021 16:33

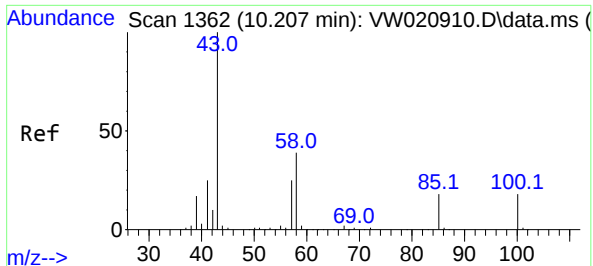
Tgt Ion: 98 Resp: 56708

Ion Ratio Lower Upper

98 100

100 63.4 52.6 79.0





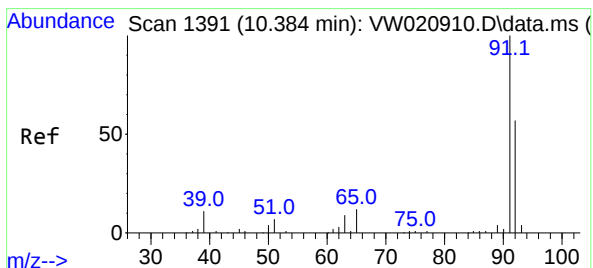
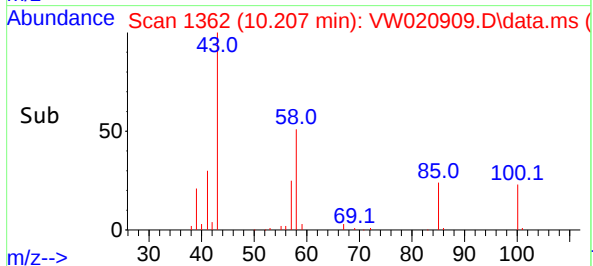
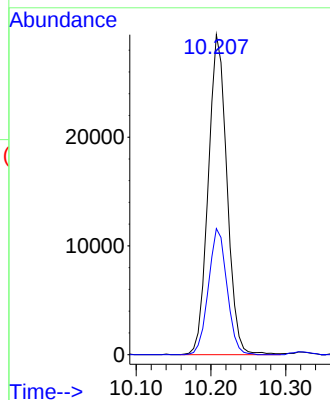
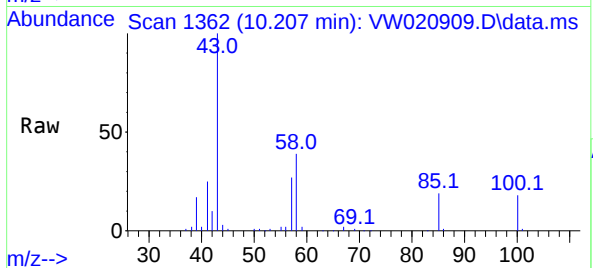
#51
4-Methyl-2-Pentanone
Concen: 83.847 ug/l
RT: 10.207 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 51128
Ion Ratio Lower Upper
43 100
58 39.0 30.9 46.3

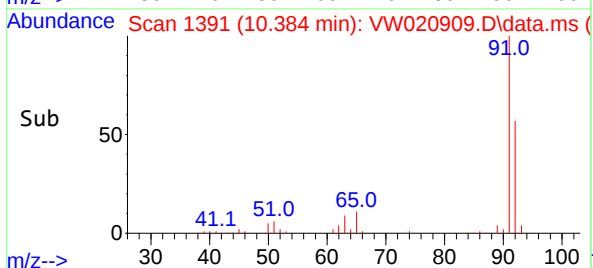
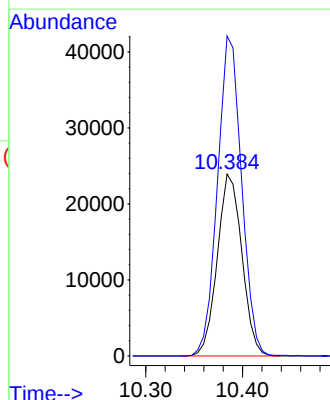
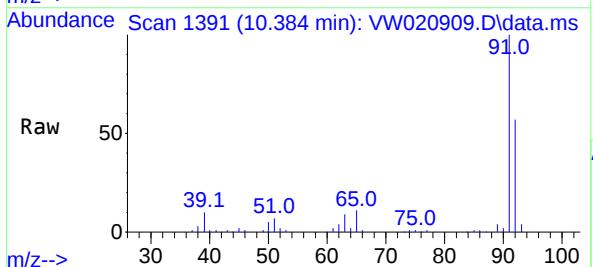
Manual Integrations
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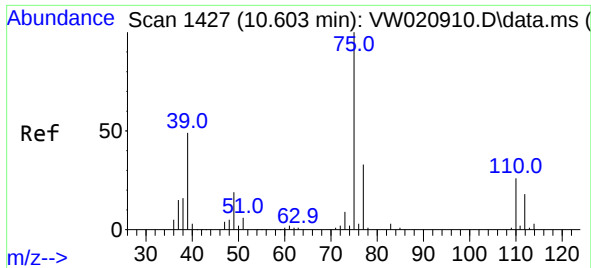
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#52
Toluene
Concen: 18.181 ug/l
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Tgt Ion: 92 Resp: 42241
Ion Ratio Lower Upper
92 100
91 172.6 137.1 205.7





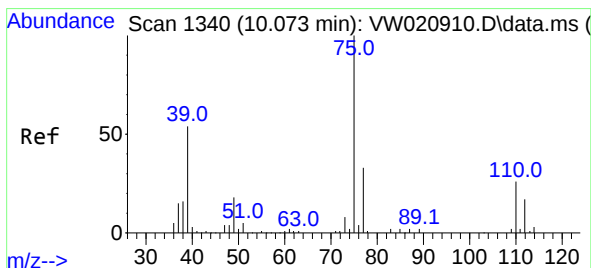
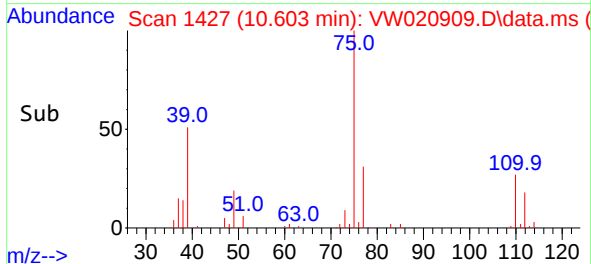
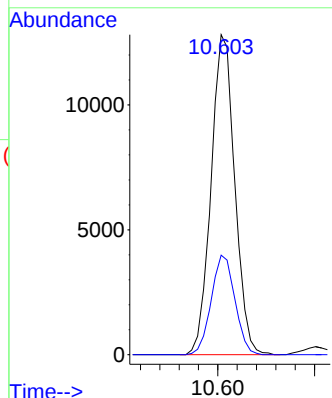
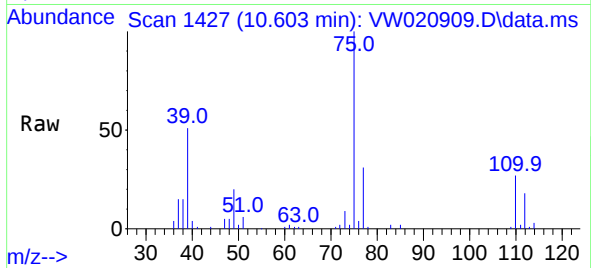
#53
t-1,3-Dichloropropene
Concen: 17.469 ug/l
RT: 10.603 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 2176
Ion Ratio Lower Upper
75 100
77 31.1 26.1 39.1

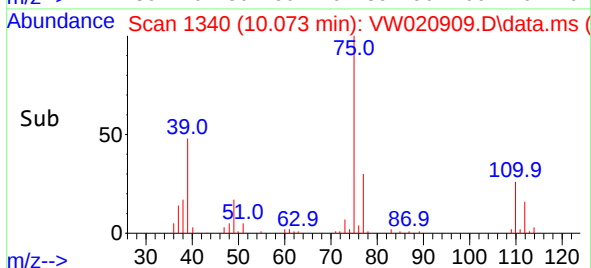
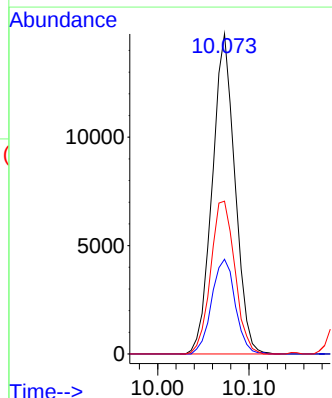
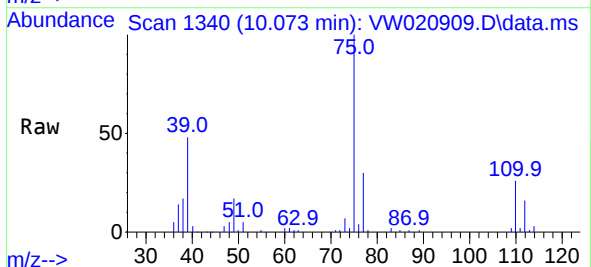
Manual Integrations
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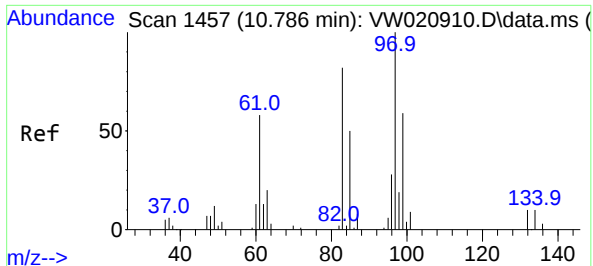
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#54
cis-1,3-Dichloropropene
Concen: 17.962 ug/l
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

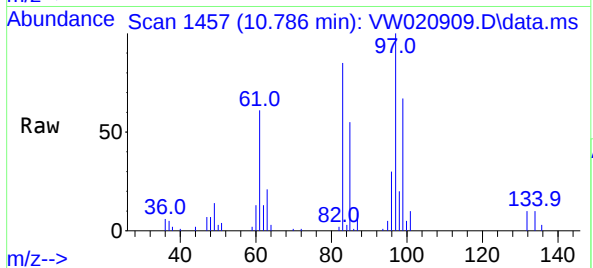
Tgt Ion: 75 Resp: 25381
Ion Ratio Lower Upper
75 100
77 29.6 26.2 39.4
39 47.7 43.0 64.6





#55
1,1,2-Trichloroethane
Concen: 18.213 ug/l
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

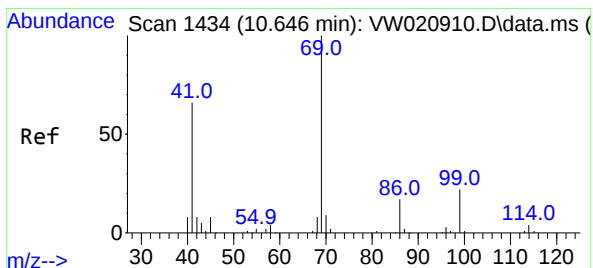
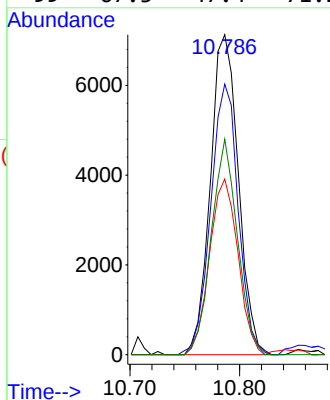
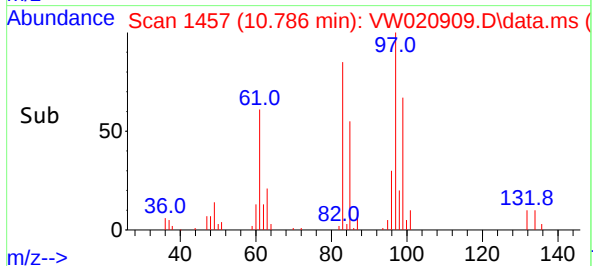


Tgt Ion: 97 Resp: 1265

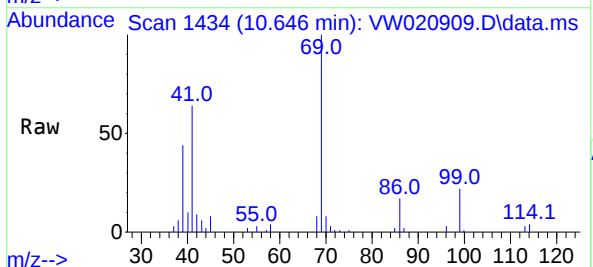
Ion	Ratio	Lower	Upper
97	100		
83	84.6	65.4	98.2
85	54.9	39.9	59.9
99	67.3	47.4	71.2

Manual Integrations
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Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

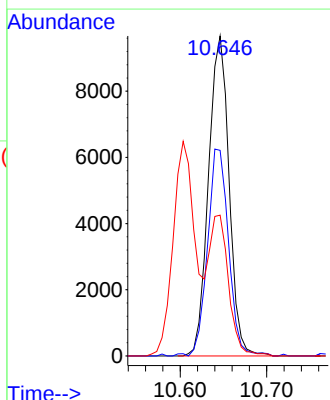
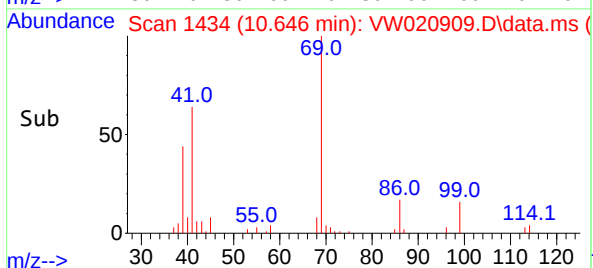


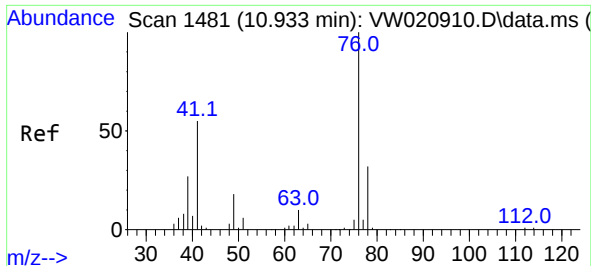
#56
Ethyl methacrylate
Concen: 18.162 ug/l
RT: 10.646 min Scan# 1434
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33



Tgt Ion: 69 Resp: 15962

Ion	Ratio	Lower	Upper
69	100		
41	66.3	52.9	79.3
39	41.1	33.7	50.5





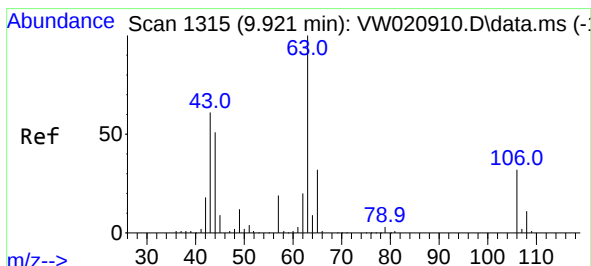
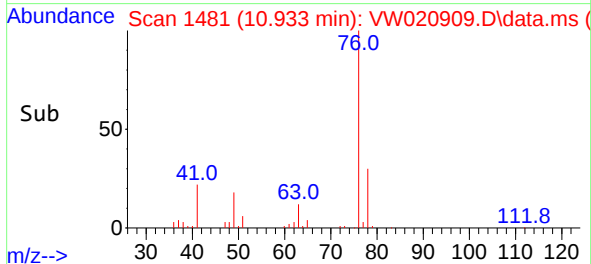
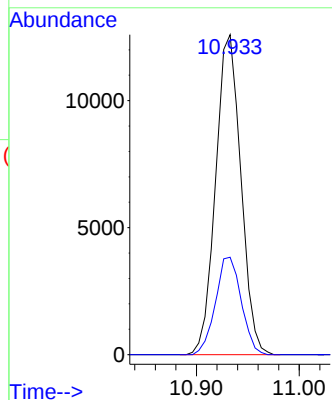
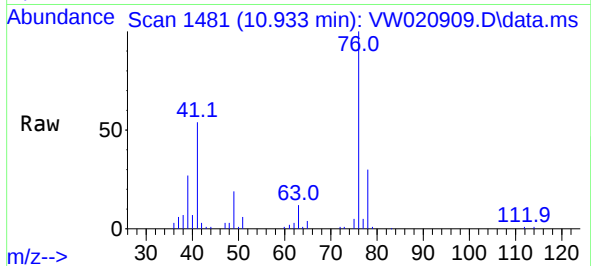
#57
1,3-Dichloropropane
Concen: 17.932 ug/l
RT: 10.933 min Scan# 1481
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 2145
Ion Ratio Lower Upper
76 100
78 31.1 26.0 39.0

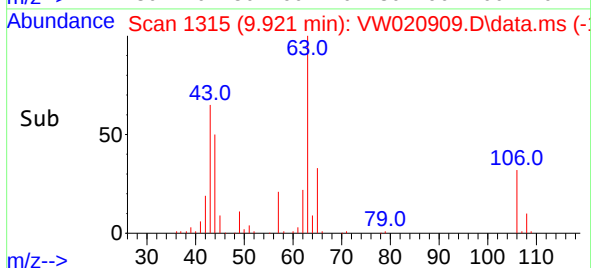
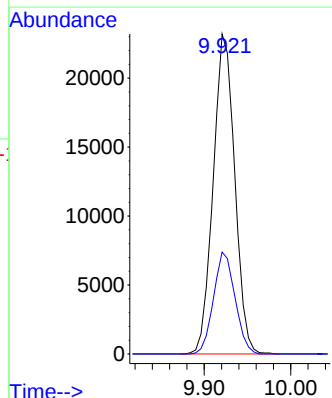
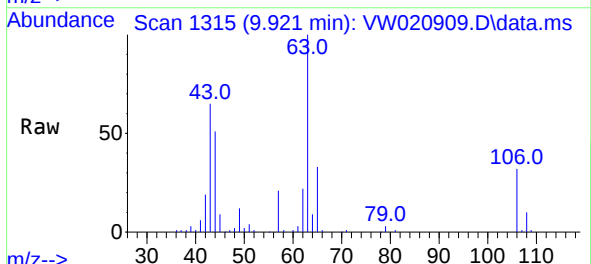
Manual Integrations
APPROVED

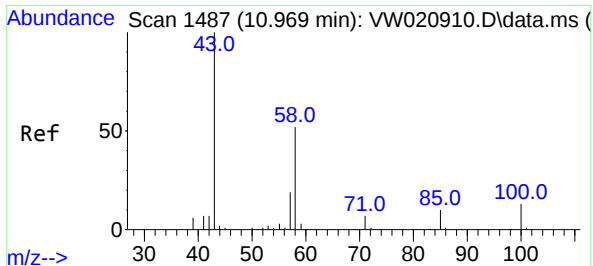
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#58
2-Chloroethyl Vinyl ether
Concen: 99.527 ug/l
RT: 9.921 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

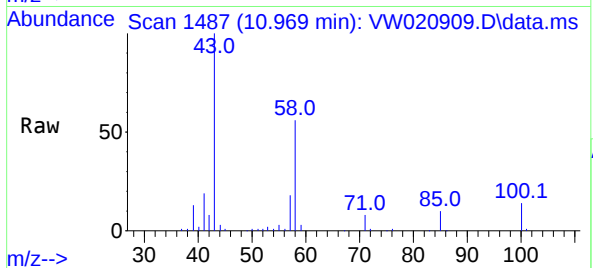
Tgt Ion: 63 Resp: 40069
Ion Ratio Lower Upper
63 100
106 31.8 26.3 39.5





#59
2-Hexanone
Concen: 81.236 ug/l
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

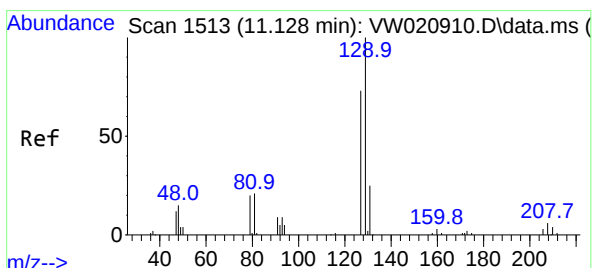
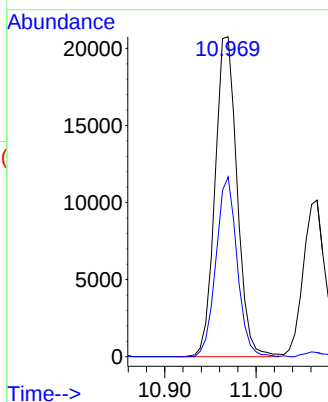
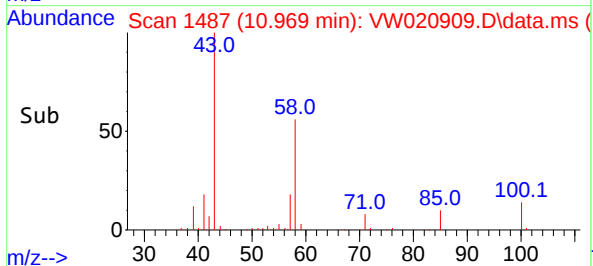
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



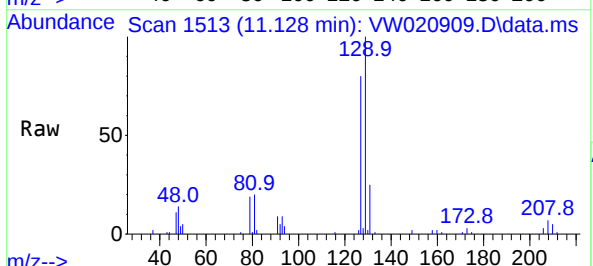
Tgt Ion: 43 Resp: 3487
Ion Ratio Lower Upper
43 100
58 53.7 26.7 80.0

Manual Integrations
APPROVED

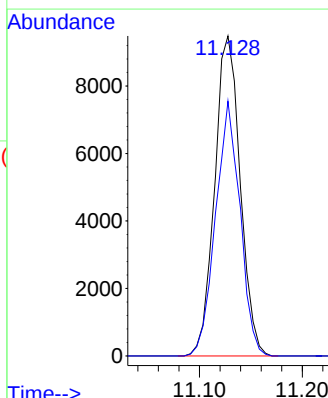
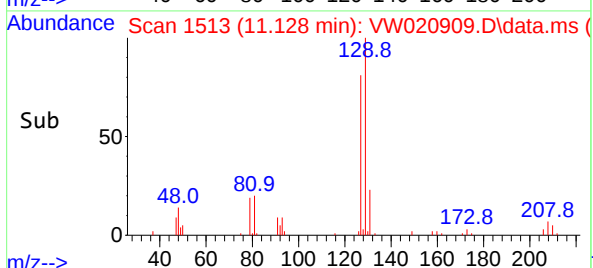
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

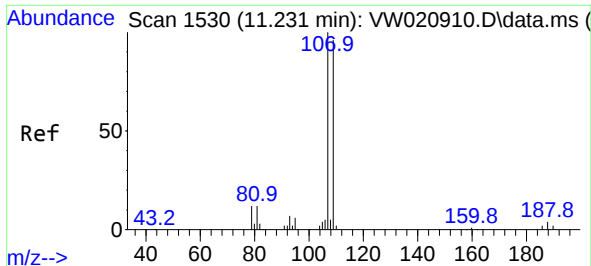


#60
Dibromochloromethane
Concen: 19.668 ug/l
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33



Tgt Ion:129 Resp: 16348
Ion Ratio Lower Upper
129 100
127 76.2 38.4 115.1





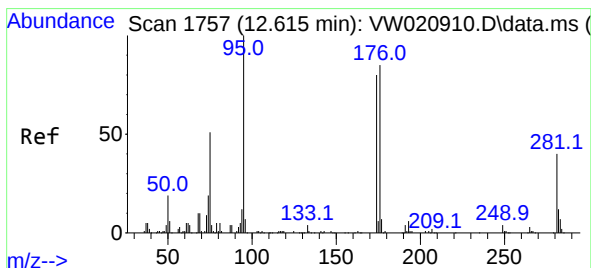
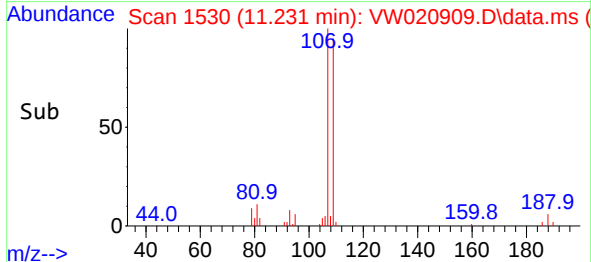
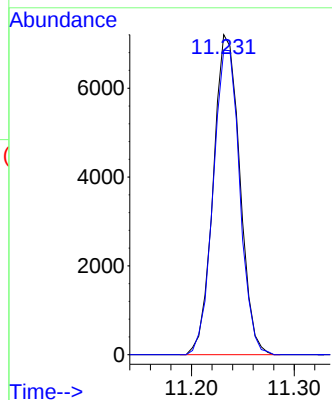
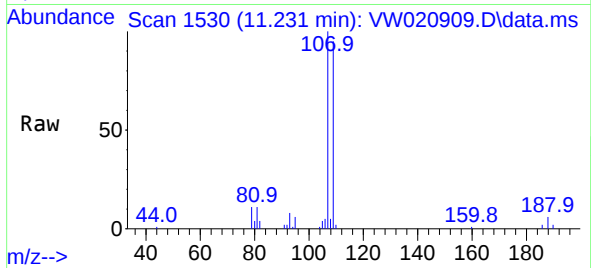
#61
1,2-Dibromoethane
Concen: 19.006 ug/l
RT: 11.231 min Scan# 1530
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:107 Resp: 12889
Ion Ratio Lower Upper
107 100
109 95.5 74.1 111.1

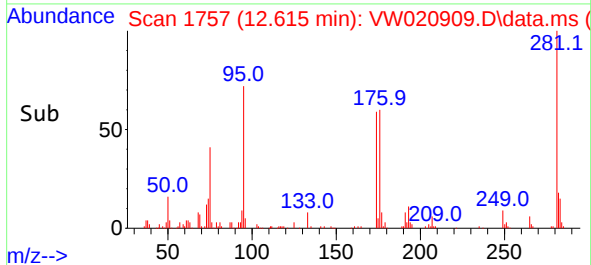
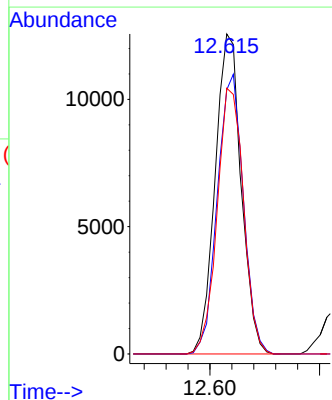
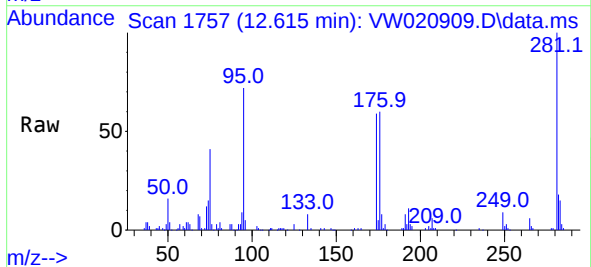
Manual Integrations
APPROVED

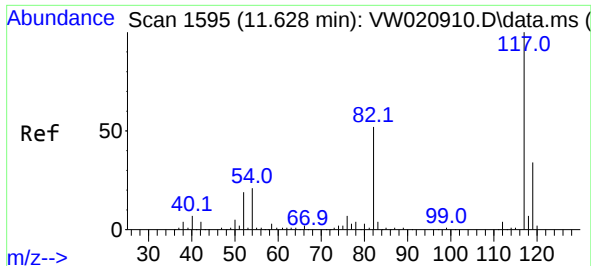
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#62
4-Bromofluorobenzene
Concen: 17.827 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

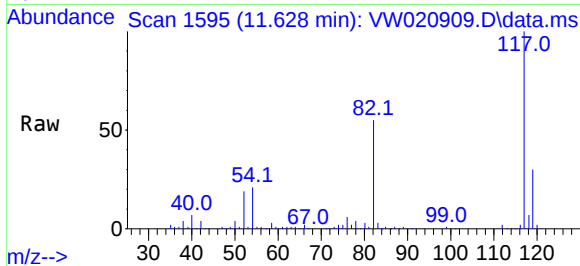
Tgt Ion: 95 Resp: 20744
Ion Ratio Lower Upper
95 100
174 87.1 0.0 171.2
176 84.1 0.0 175.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.628 min Scan# 11595
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

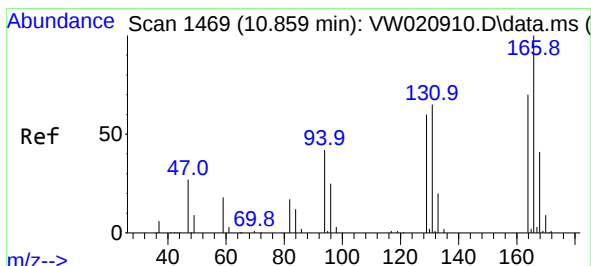
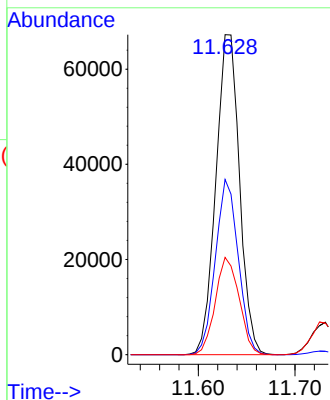
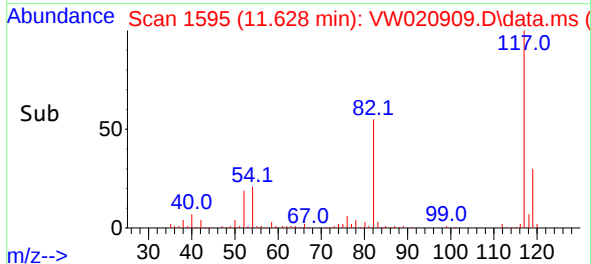
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



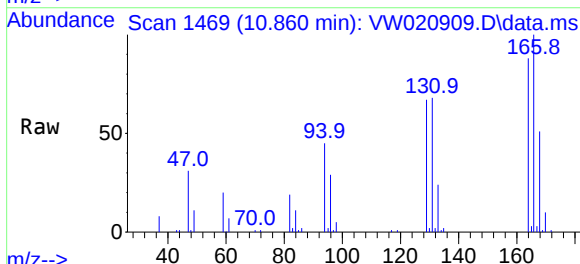
Tgt Ion:117 Resp: 11420
Ion Ratio Lower Upper
117 100
82 54.8 41.4 62.2
119 30.4 27.2 40.8

Manual Integrations
APPROVED

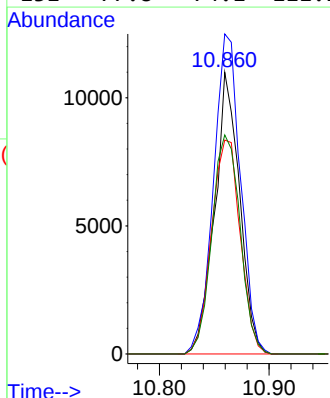
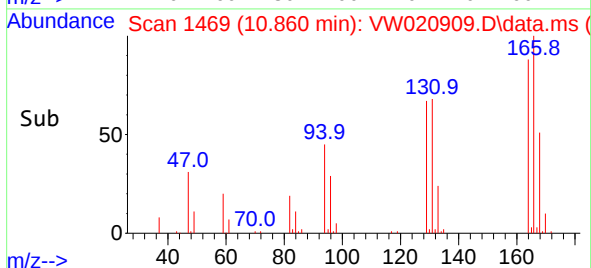
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

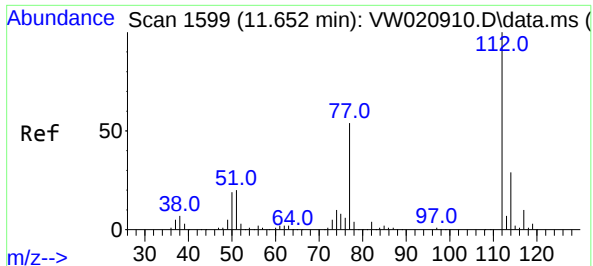


#64
Tetrachloroethene
Concen: 19.552 ug/l
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33



Tgt Ion:164 Resp: 17460
Ion Ratio Lower Upper
164 100
166 113.6 114.4 171.6#
129 75.9 68.3 102.5
131 77.8 74.1 111.1





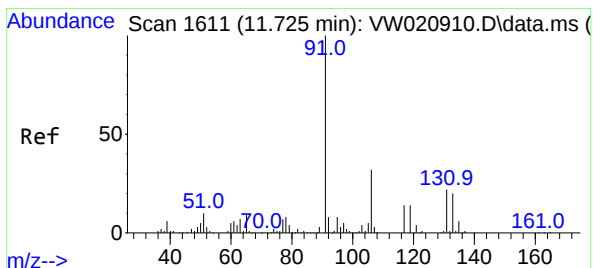
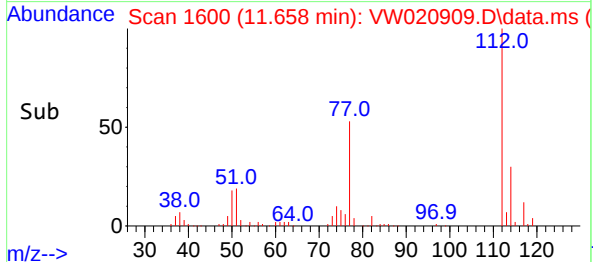
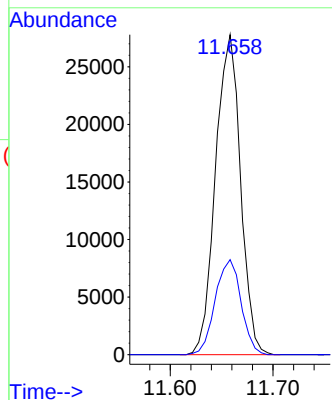
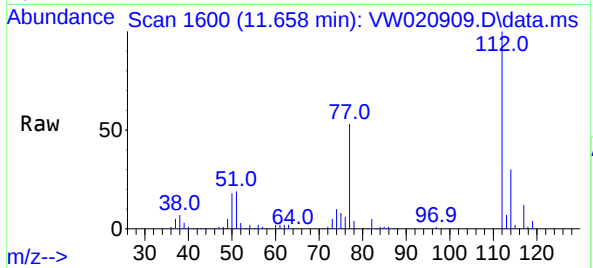
#65
Chlorobenzene
Concen: 19.061 ug/l
RT: 11.658 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 46918
Ion Ratio Lower Upper
112 100
114 29.7 23.0 34.6

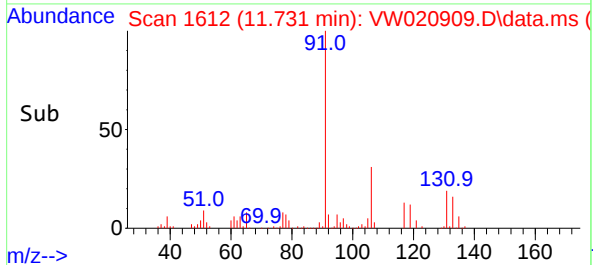
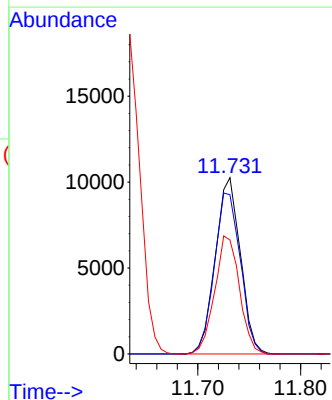
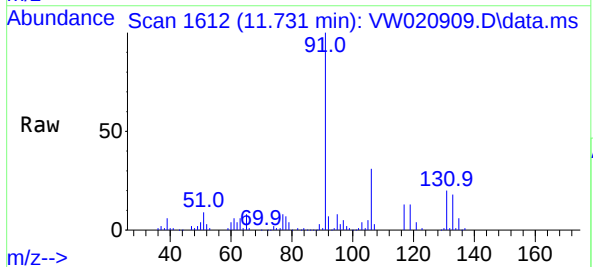
Manual Integrations
APPROVED

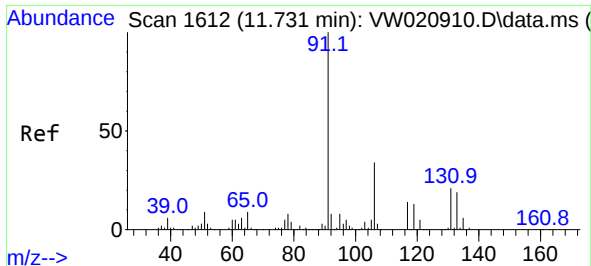
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#66
1,1,1,2-Tetrachloroethane
Concen: 19.459 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Tgt Ion:131 Resp: 17404
Ion Ratio Lower Upper
131 100
133 94.5 46.6 139.7
119 66.0 32.2 96.6





#67

Ethyl Benzene

Concen: 18.721 ug/l

RT: 11.731 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW020909.D

Acq: 17 Nov 2021 16:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 8234

Ion Ratio Lower Upper

91 100

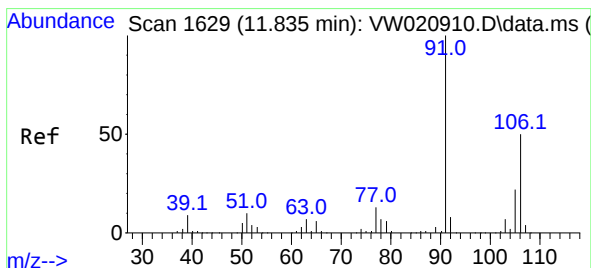
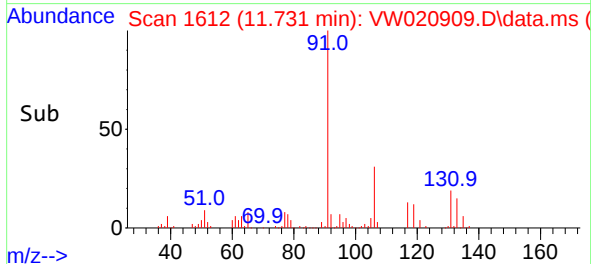
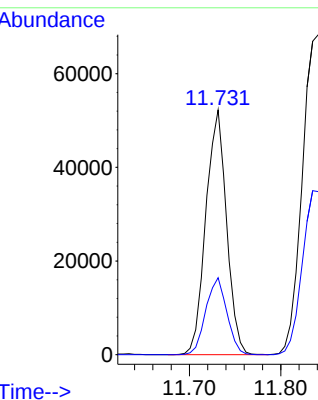
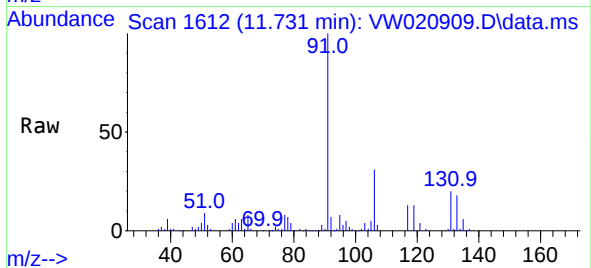
106 31.4 27.3 40.9

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/18/2021

Supervised By :Mahesh Dadoda 11/18/2021



#68

m/p-Xylenes

Concen: 39.626 ug/l

RT: 11.835 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VW020909.D

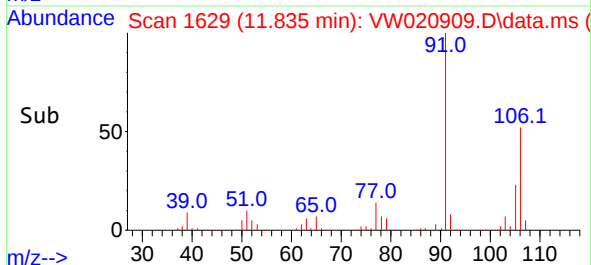
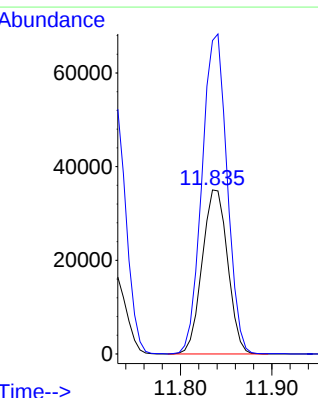
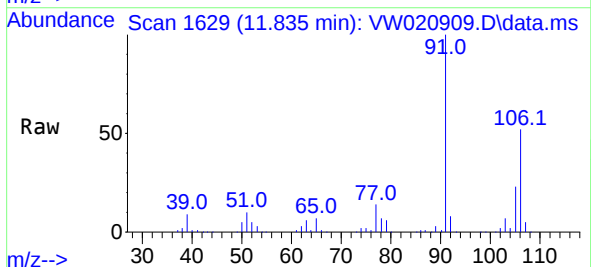
Acq: 17 Nov 2021 16:33

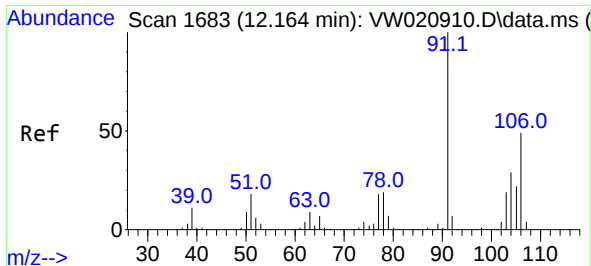
Tgt Ion:106 Resp: 67916

Ion Ratio Lower Upper

106 100

91 192.4 157.8 236.8





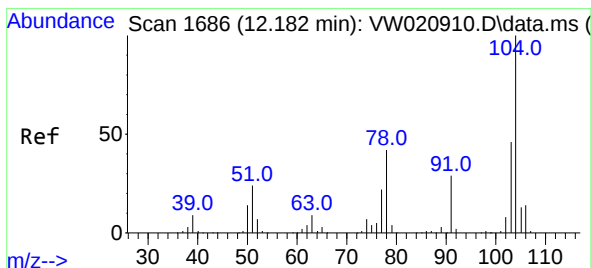
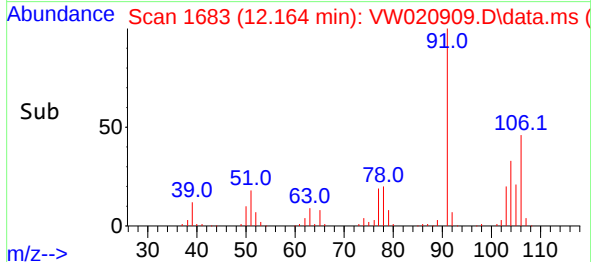
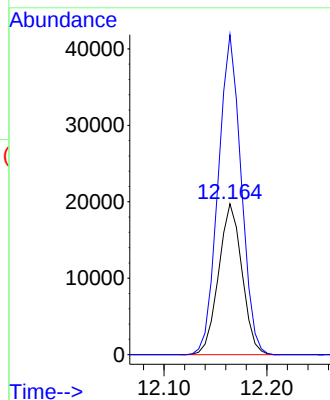
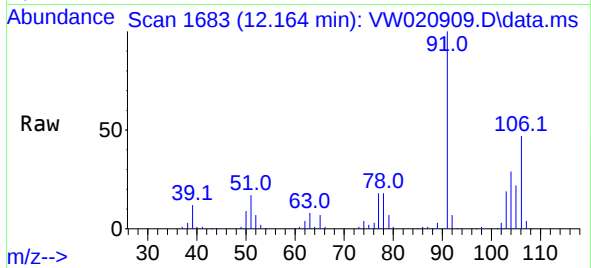
#69
o-Xylene
Concen: 19.590 ug/l
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 3114
Ion Ratio Lower Upper
106 100
91 208.5 104.3 312.9

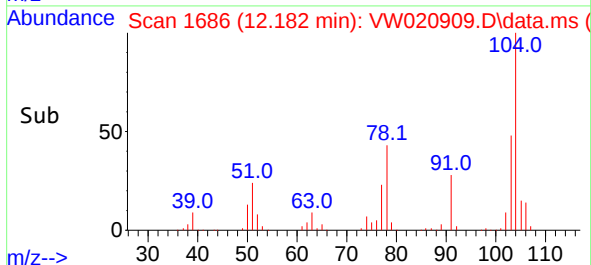
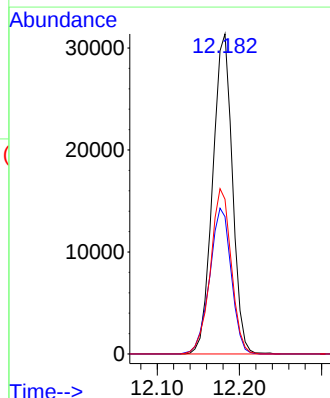
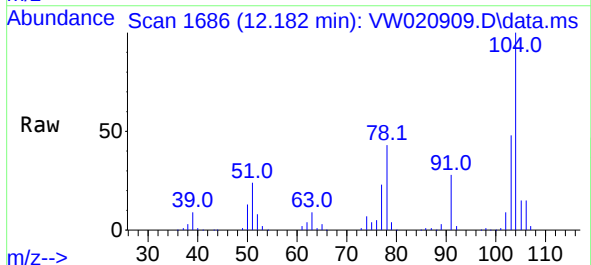
Manual Integrations
APPROVED

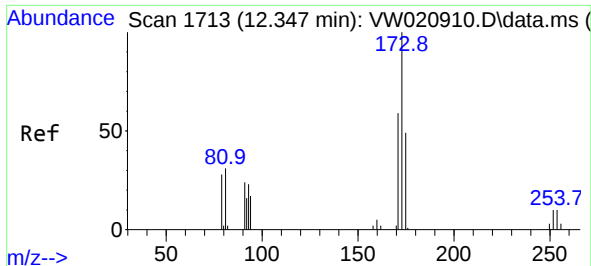
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#70
Styrene
Concen: 19.296 ug/l
RT: 12.182 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Tgt Ion:104 Resp: 52241
Ion Ratio Lower Upper
104 100
78 49.8 39.4 59.2
103 54.5 42.6 63.8





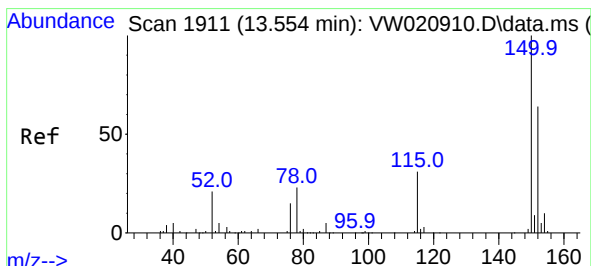
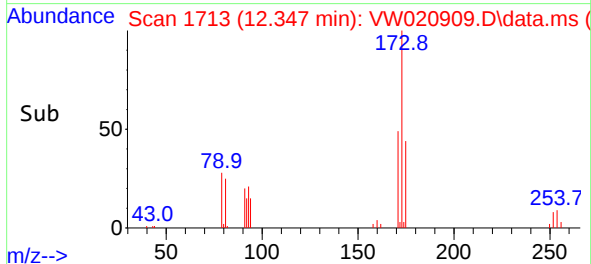
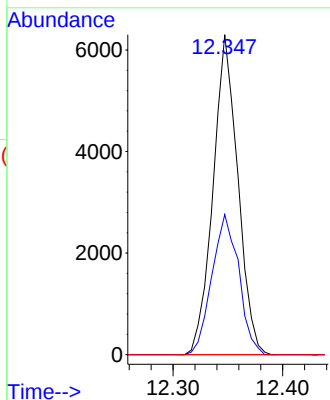
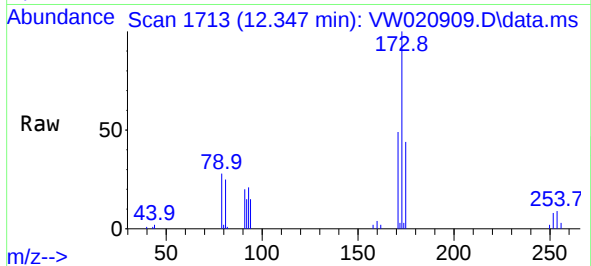
#71
Bromoform
Concen: 19.068 ug/l
RT: 12.347 min Scan# 1713
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 9908
Ion Ratio Lower Upper
173 100
175 47.5 25.1 75.3
254 0.0 0.0 0.0

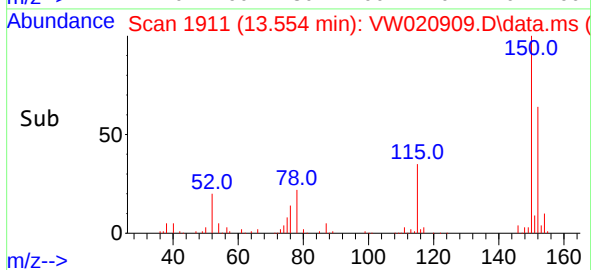
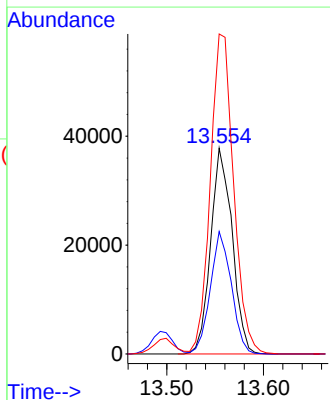
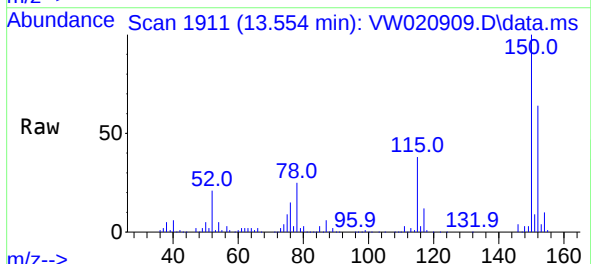
Manual Integrations
APPROVED

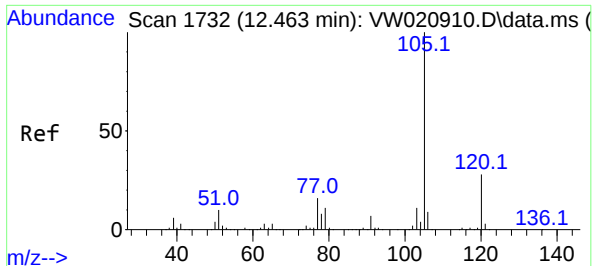
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.554 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Tgt Ion:152 Resp: 58380
Ion Ratio Lower Upper
152 100
115 58.1 27.8 83.3
150 168.4 0.0 348.4





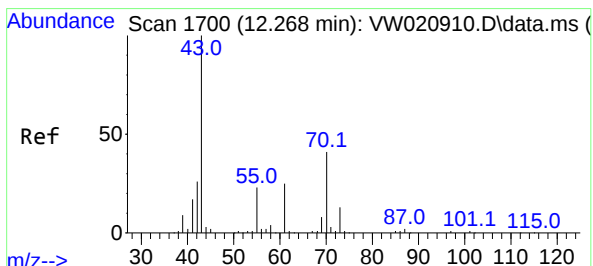
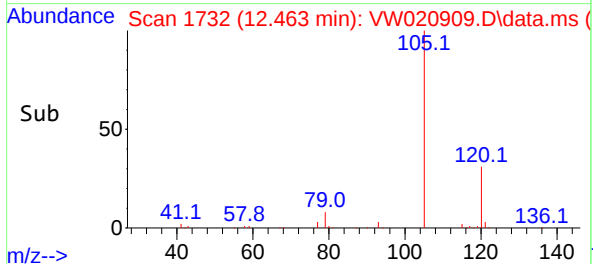
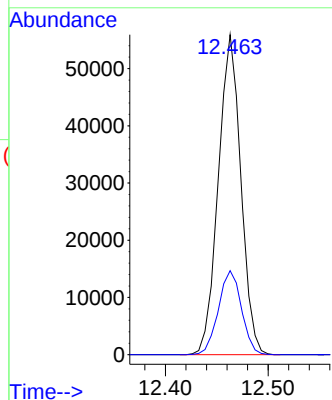
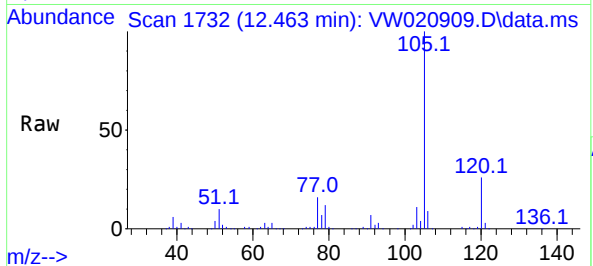
#73
Isopropylbenzene
Concen: 20.512 ug/l
RT: 12.463 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 85094
Ion Ratio Lower Upper
105 100
120 26.9 13.9 41.7

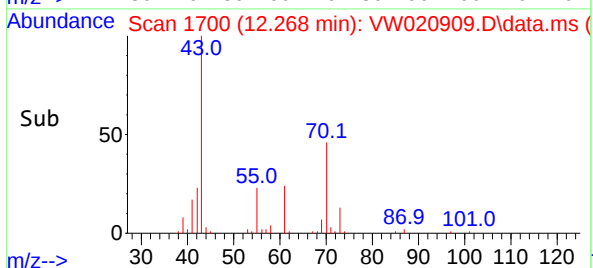
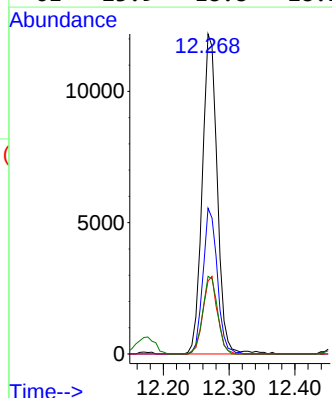
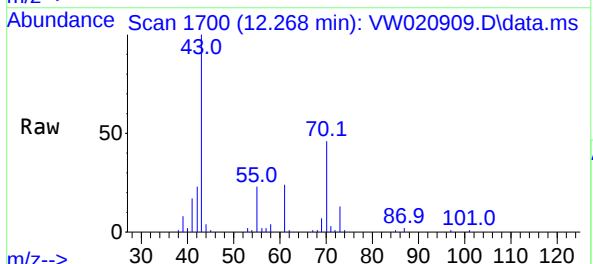
Manual Integrations
APPROVED

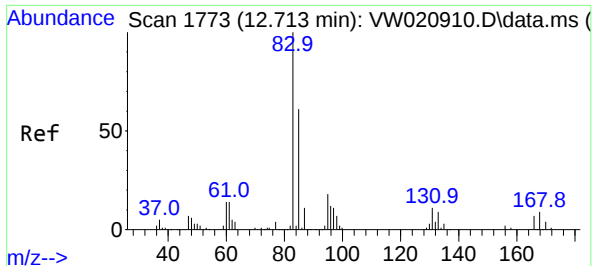
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#74
N-ethyl acetate
Concen: 19.459 ug/l
RT: 12.268 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

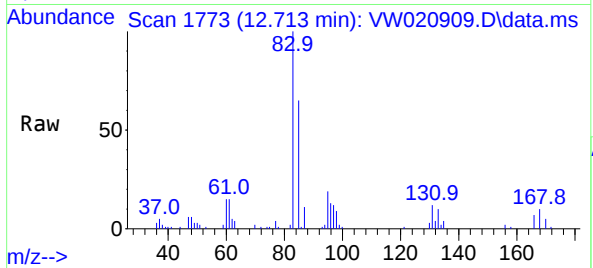
Tgt Ion: 43 Resp: 19337
Ion Ratio Lower Upper
43 100
70 43.3 33.7 50.5
55 23.2 18.5 27.7
61 23.9 18.8 28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 18.910 ug/l
RT: 12.713 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

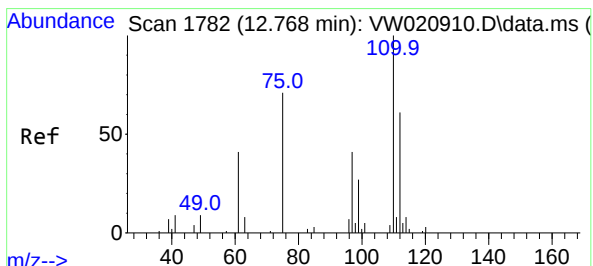
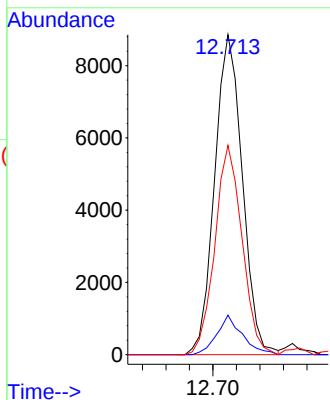
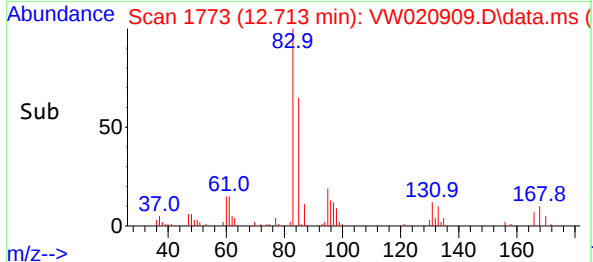
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



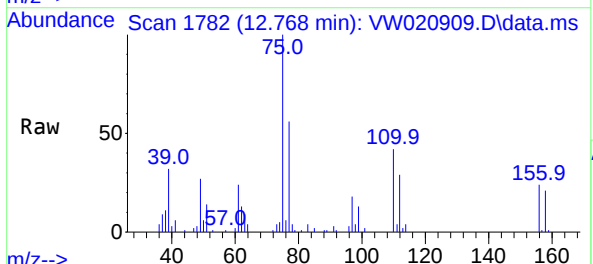
Tgt Ion: 83 Resp: 1451
Ion Ratio Lower Upper
83 100
131 11.4 5.9 17.6
85 64.2 32.0 96.0

Manual Integrations
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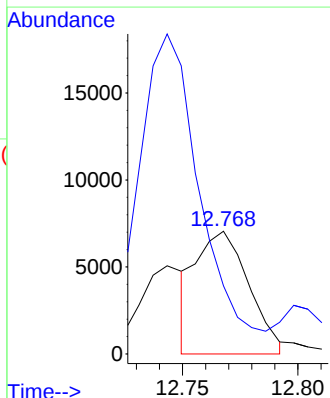
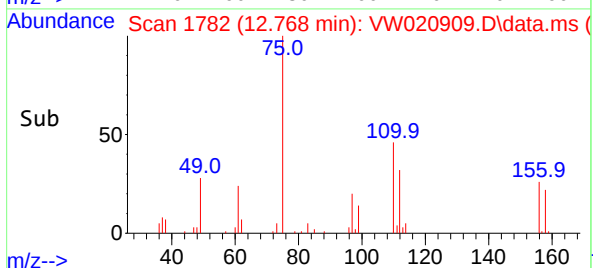
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

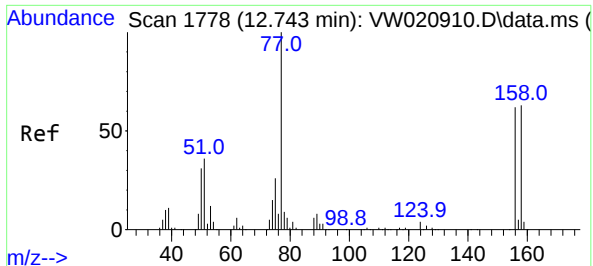


#76
1,2,3-Trichloropropane
Concen: 17.869 ug/l m
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33



Tgt Ion: 75 Resp: 11147
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





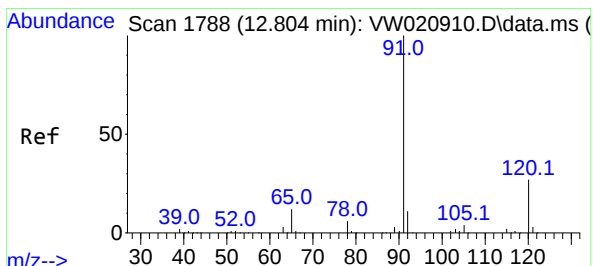
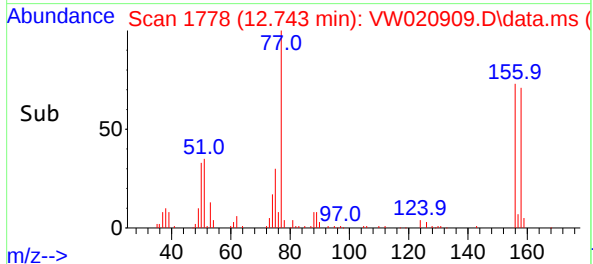
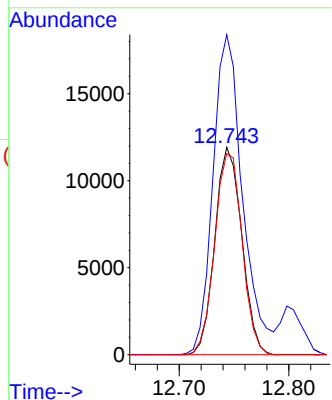
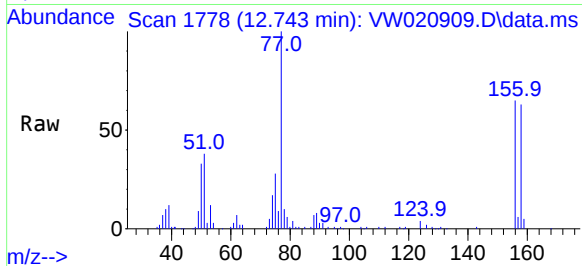
#77
Bromobenzene
Concen: 20.416 ug/l
RT: 12.743 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 20384
Ion Ratio Lower Upper
156 100
77 169.5 87.0 261.0
158 98.7 49.8 149.4

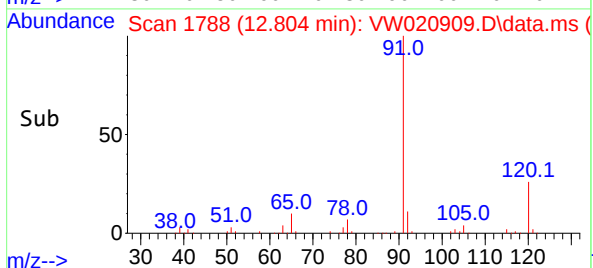
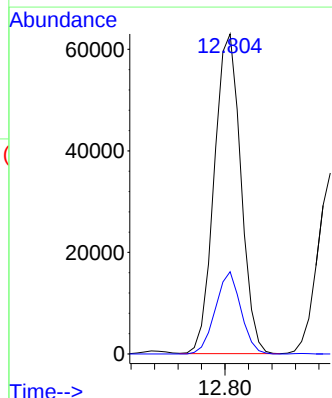
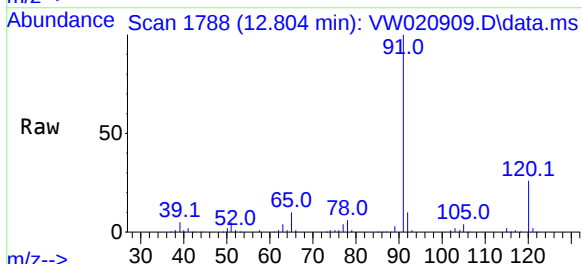
Manual Integrations
APPROVED

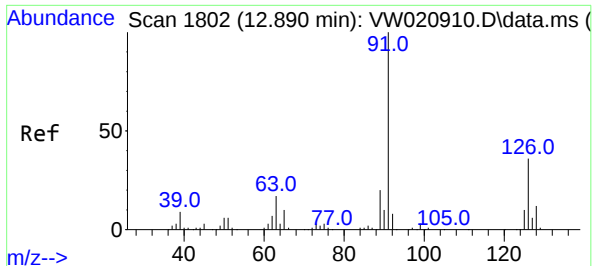
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#78
n-propylbenzene
Concen: 19.537 ug/l
RT: 12.804 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Tgt Ion: 91 Resp: 98940
Ion Ratio Lower Upper
91 100
120 24.6 12.4 37.4





#79

2-Chlorotoluene

Concen: 19.177 ug/l

RT: 12.890 min Scan# 1802

Delta R.T. 0.000 min

Lab File: VW020909.D

Acq: 17 Nov 2021 16:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 56138

Ion Ratio Lower Upper

91 100

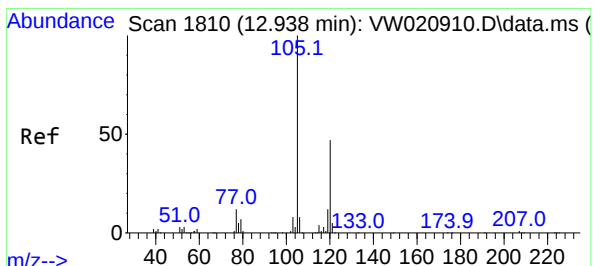
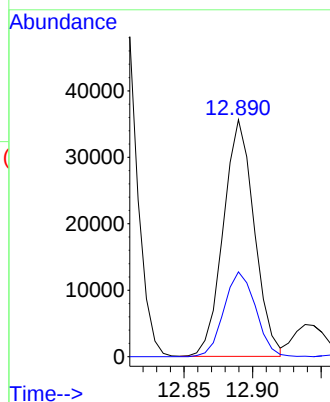
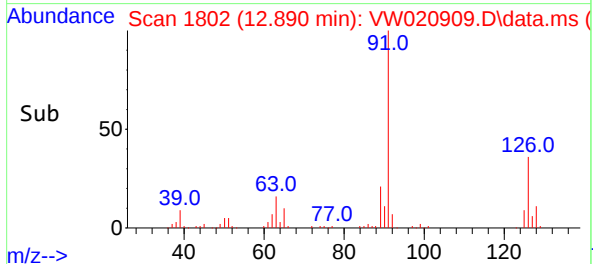
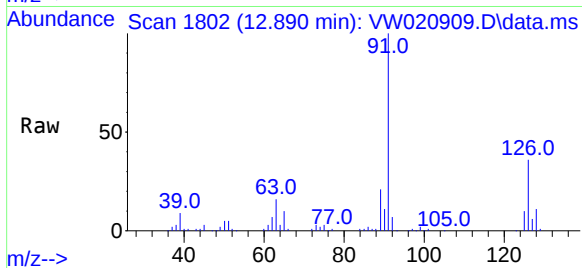
126 36.6 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/18/2021

Supervised By :Mahesh Dadoda 11/18/2021



#80

1,3,5-Trimethylbenzene

Concen: 19.743 ug/l

RT: 12.938 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW020909.D

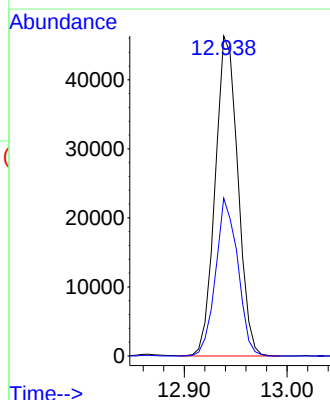
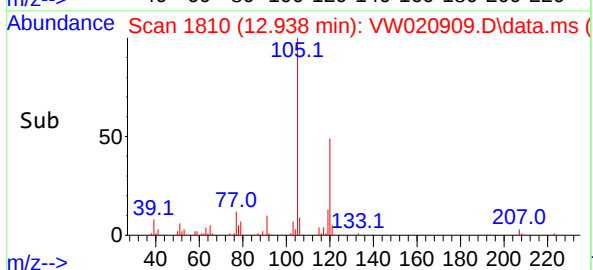
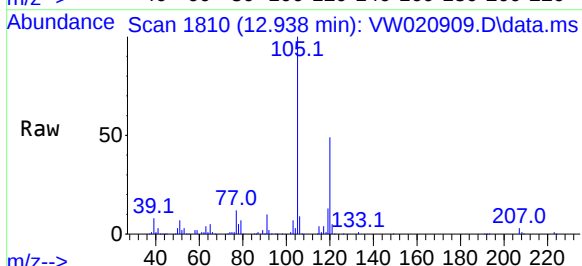
Acq: 17 Nov 2021 16:33

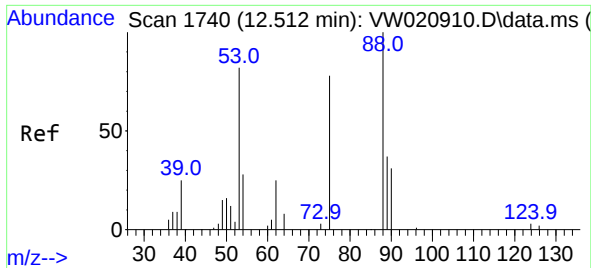
Tgt Ion:105 Resp: 70993

Ion Ratio Lower Upper

105 100

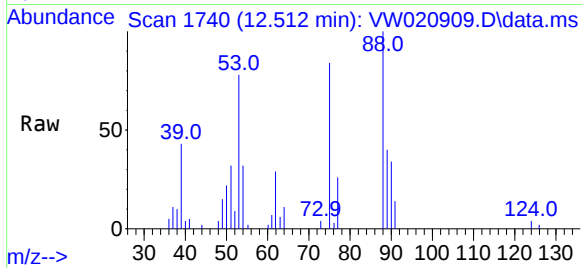
120 48.0 24.7 74.1





#81
trans-1,4-Dichloro-2-butene
Concen: 18.652 ug/l
RT: 12.512 min Scan# 1740
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

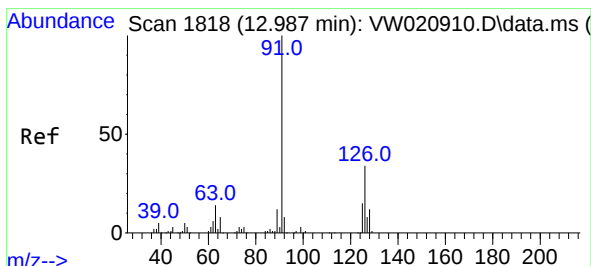
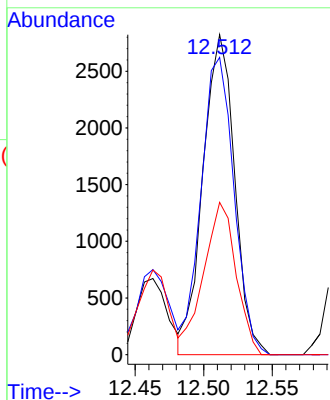
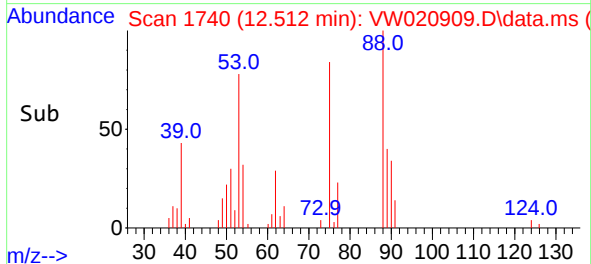
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



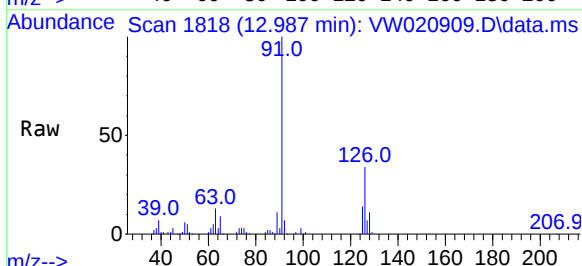
Tgt Ion: 75 Resp: 4530
Ion Ratio Lower Upper
75 100
53 96.5 81.8 122.8
89 48.9 38.6 57.8

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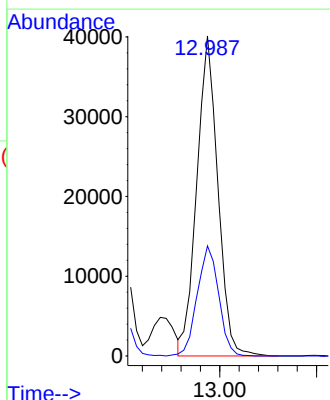
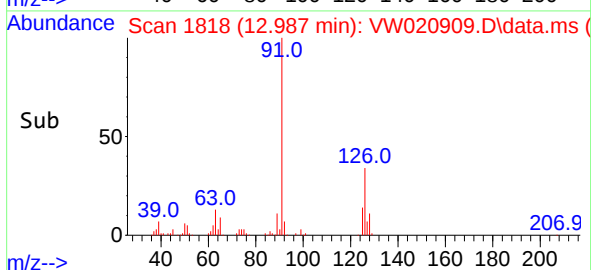
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

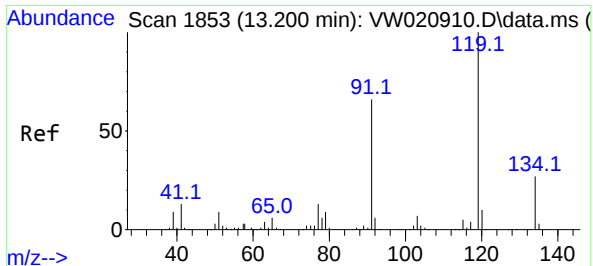


#82
4-Chlorotoluene
Concen: 19.703 ug/l
RT: 12.987 min Scan# 1818
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33



Tgt Ion: 91 Resp: 60763
Ion Ratio Lower Upper
91 100
126 35.0 17.1 51.2





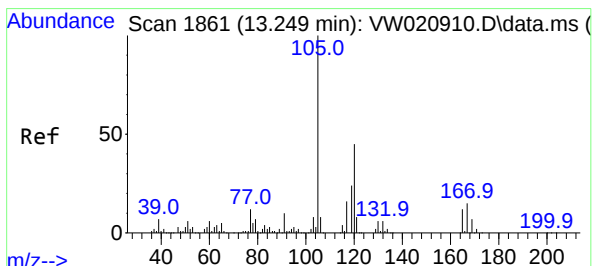
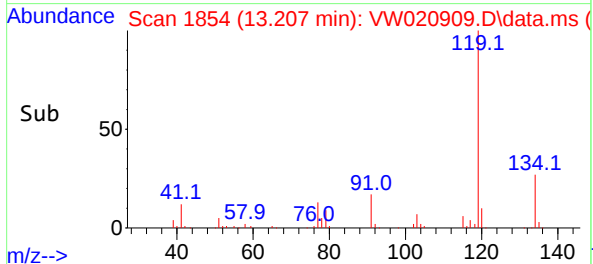
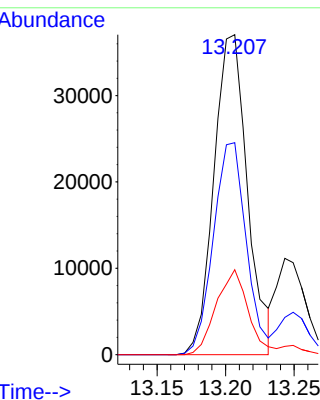
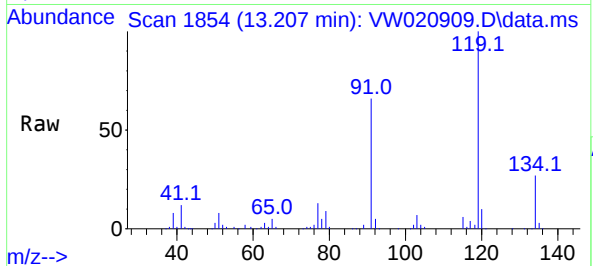
#83
tert-Butylbenzene
Concen: 20.288 ug/l
RT: 13.207 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:119 Resp: 63015
Ion Ratio Lower Upper
119 100
91 65.0 32.6 97.8
134 25.4 13.2 39.5

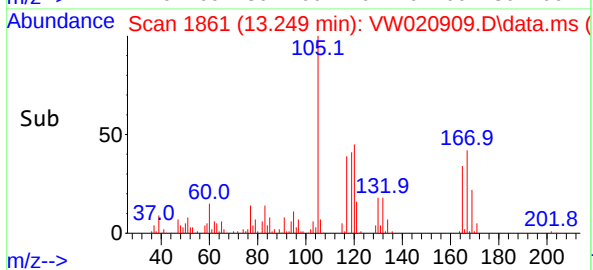
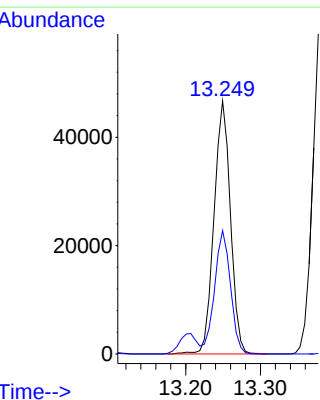
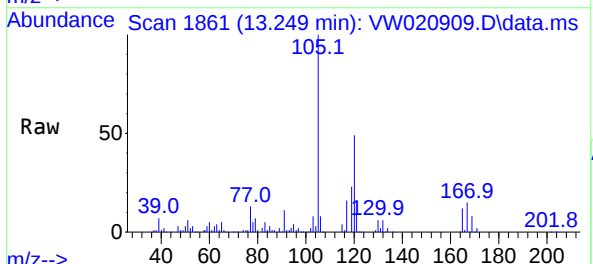
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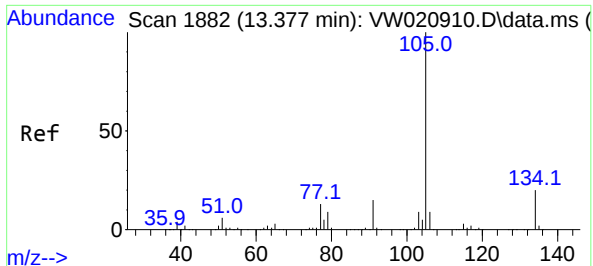
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#84
1,2,4-Trimethylbenzene
Concen: 20.056 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Tgt Ion:105 Resp: 71514
Ion Ratio Lower Upper
105 100
120 47.3 22.7 68.1





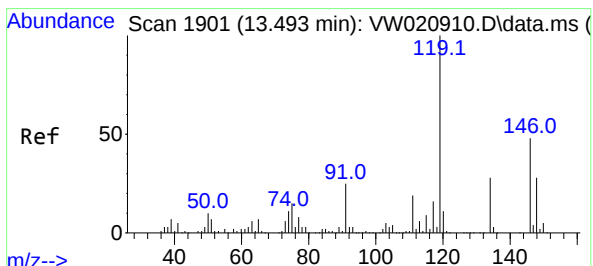
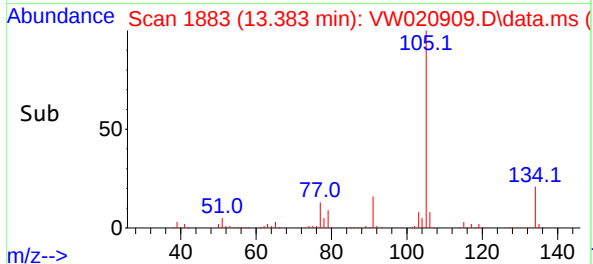
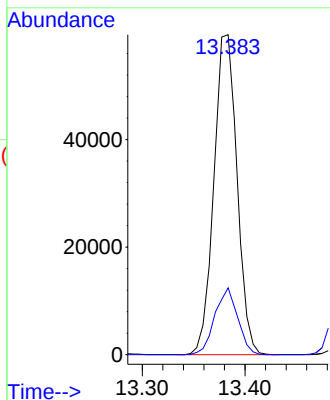
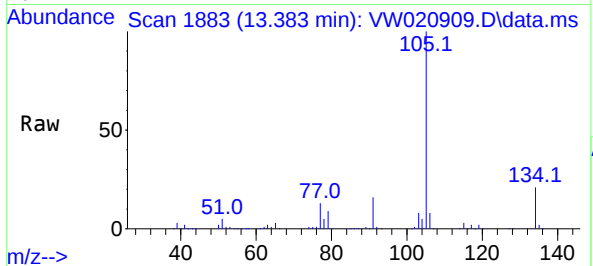
#85
 sec-Butylbenzene
 Concen: 20.018 ug/l
 RT: 13.383 min Scan# 1883
 Delta R.T. 0.006 min
 Lab File: VW020909.D
 Acq: 17 Nov 2021 16:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:105 Resp: 9300
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.4

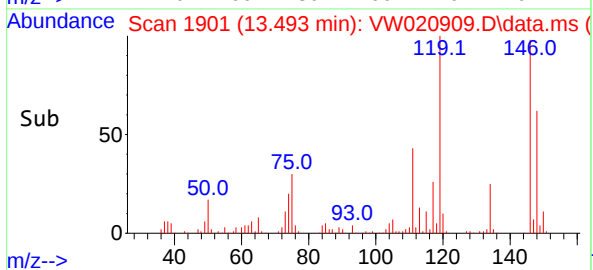
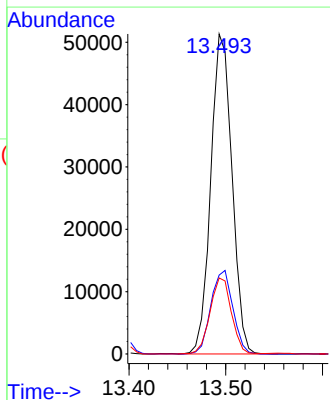
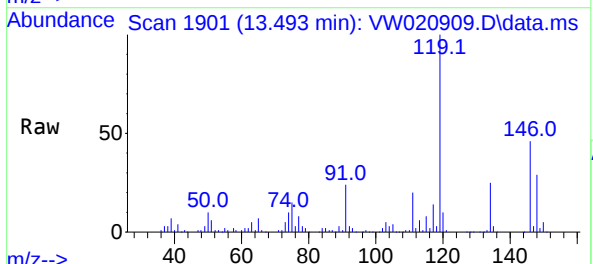
Manual Integrations
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Reviewed By :Vimala Arumugam 11/18/2021
 Supervised By :Mahesh Dadoda 11/18/2021

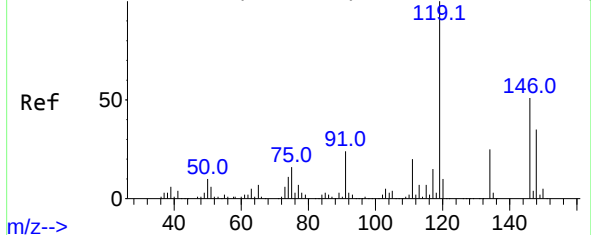


#86
 p-Isopropyltoluene
 Concen: 19.716 ug/l
 RT: 13.493 min Scan# 1901
 Delta R.T. 0.000 min
 Lab File: VW020909.D
 Acq: 17 Nov 2021 16:33

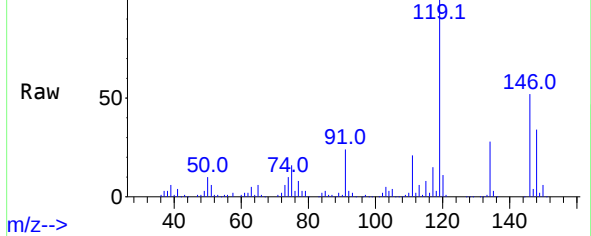
Tgt Ion:119 Resp: 78184
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.2 39.5
 91 24.0 11.9 35.9



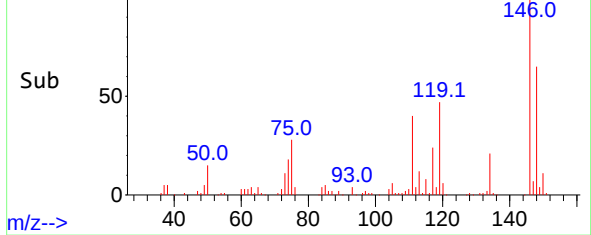
Abundance Scan 1902 (13.499 min): VW020910.D\data.ms (



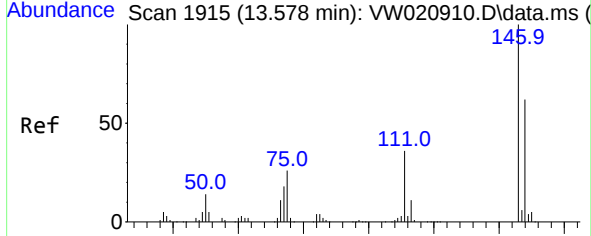
m/z--> Abundance Scan 1902 (13.499 min): VW020909.D\data.ms



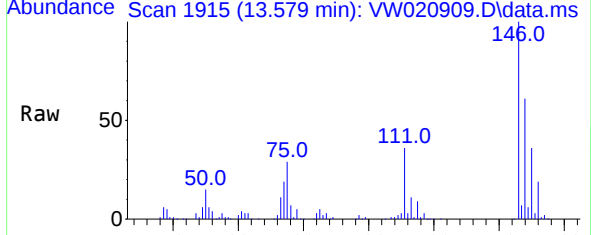
m/z--> Abundance Scan 1902 (13.499 min): VW020909.D\data.ms (



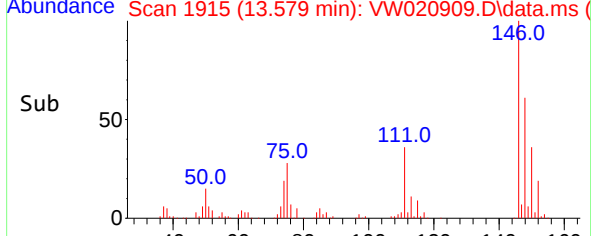
m/z--> Abundance Scan 1915 (13.578 min): VW020910.D\data.ms (



m/z--> Abundance Scan 1915 (13.579 min): VW020909.D\data.ms



m/z--> Abundance Scan 1915 (13.579 min): VW020909.D\data.ms (



m/z--> Abundance Scan 1915 (13.579 min): VW020909.D\data.ms (



m/z--> Abundance Scan 1915 (13.579 min): VW020909.D\data.ms (

m/z--> Abundance Scan 1915 (13.579 min): VW020909.D\data.ms (

m/z--> Abundance Scan 1915 (13.579 min): VW020909.D\data.ms (

m/z--> Abundance Scan 1915 (13.579 min): VW020909.D\data.ms (

m/z--> Abundance Scan 1915 (13.579 min): VW020909.D\data.ms (

m/z--> Abundance Scan 1915 (13.579 min): VW020909.D\data.ms (

m/z--> Abundance Scan 1915 (13.579 min): VW020909.D\data.ms (

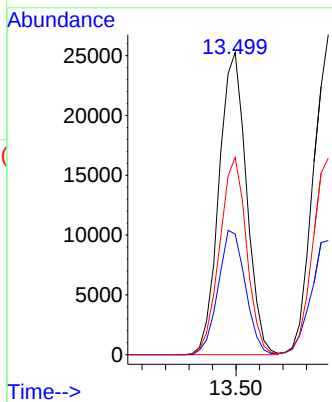
#87
1,3-Dichlorobenzene
Concen: 19.979 ug/l
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Tgt Ion:146 Resp: 41074
Ion Ratio Lower Upper
146 100
111 40.7 20.0 59.9
148 64.0 31.7 95.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

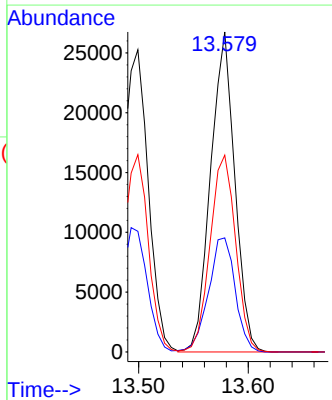
Manual Integrations
APPROVED

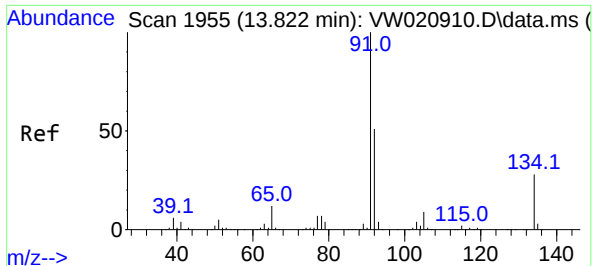
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#88
1,4-Dichlorobenzene
Concen: 19.774 ug/l
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Tgt Ion:146 Resp: 41064
Ion Ratio Lower Upper
146 100
111 39.3 18.8 56.4
148 65.1 31.1 93.2





#89
n-Butylbenzene
Concen: 19.672 ug/l
RT: 13.822 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

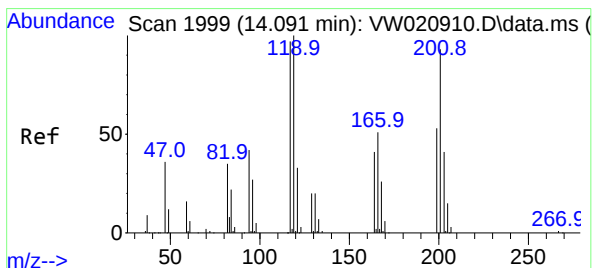
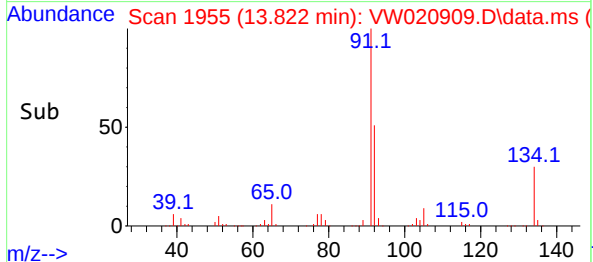
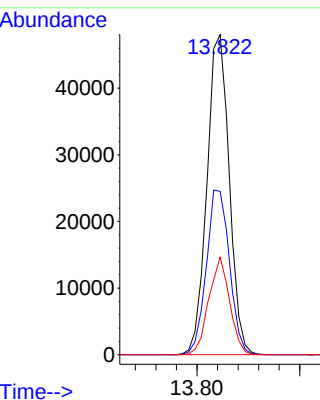
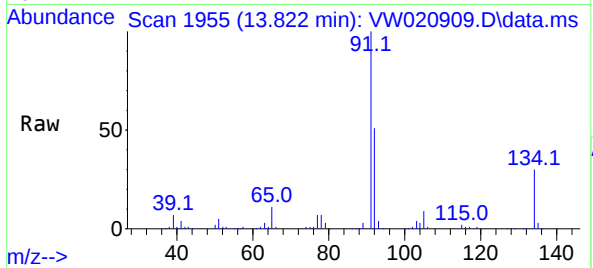
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 72304

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.5	79.4
134	28.4	13.6	40.8

Manual Integrations
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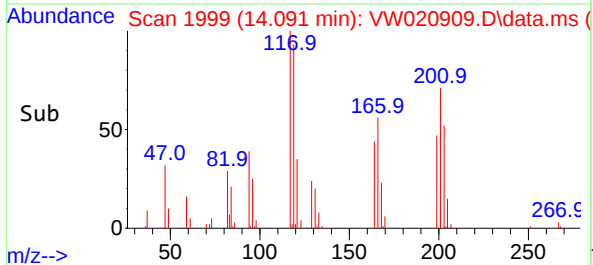
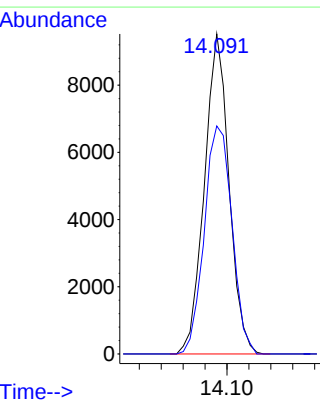
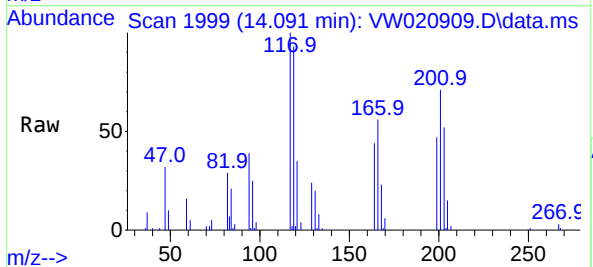
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

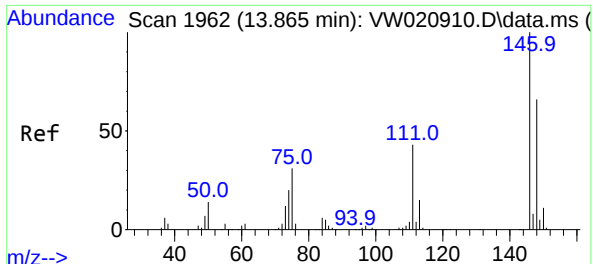


#90
Hexachloroethane
Concen: 21.072 ug/l
RT: 14.091 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Tgt Ion:117 Resp: 14840

Ion	Ratio	Lower	Upper
117	100		
201	80.1	43.8	131.4





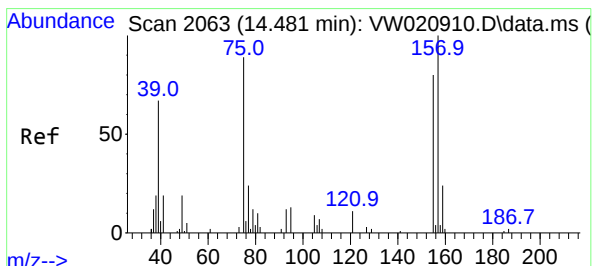
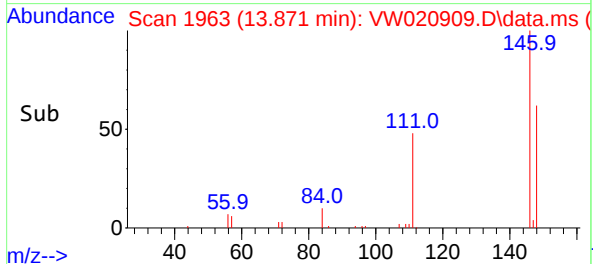
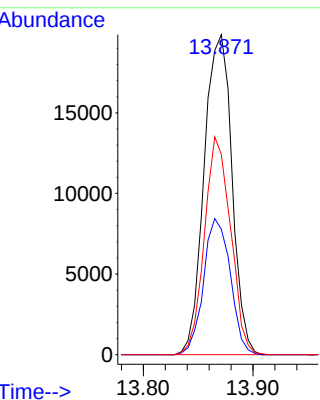
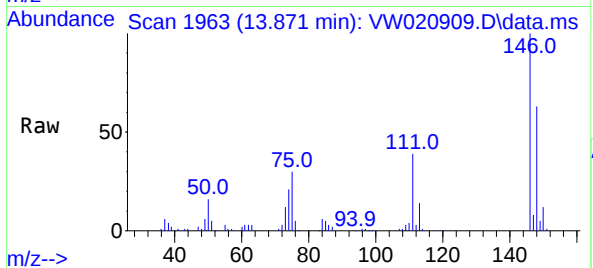
#91
1,2-Dichlorobenzene
Concen: 19.139 ug/l
RT: 13.871 min Scan# 1962
Delta R.T. 0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 3498
Ion Ratio Lower Upper
146 100
111 40.9 21.1 63.3
148 64.2 32.6 97.8

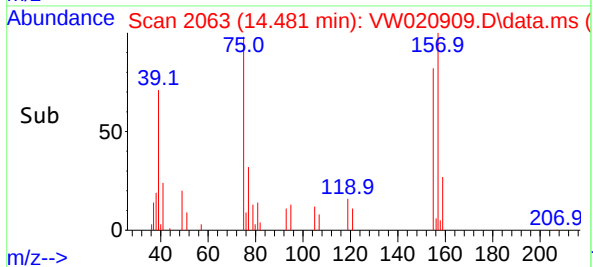
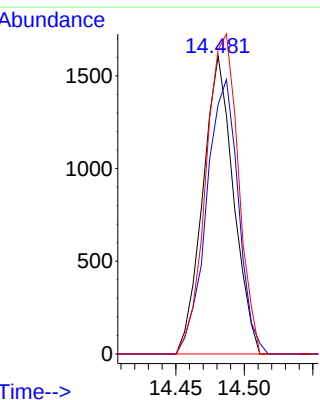
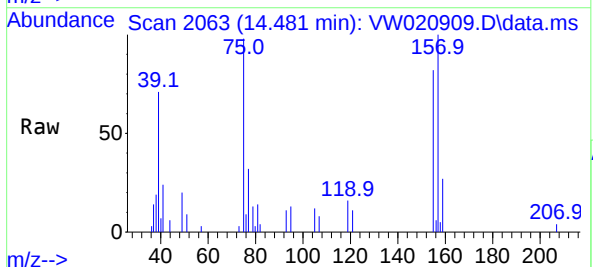
Manual Integrations
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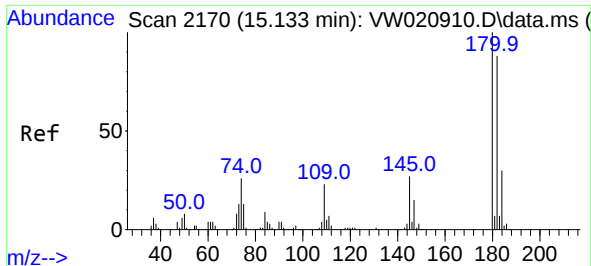
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.100 ug/l
RT: 14.481 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

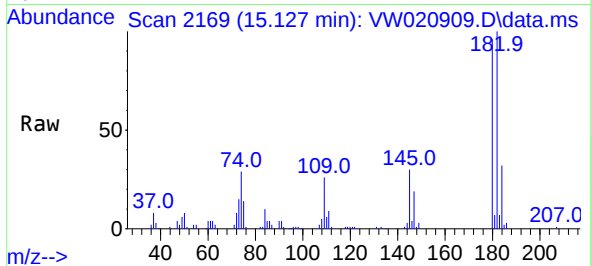
Tgt Ion: 75 Resp: 2498
Ion Ratio Lower Upper
75 100
155 95.4 45.9 137.6
157 113.3 57.8 173.4





#93
1,2,4-Trichlorobenzene
Concen: 21.427 ug/l
RT: 15.127 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

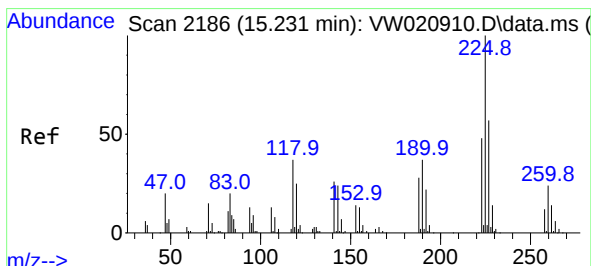
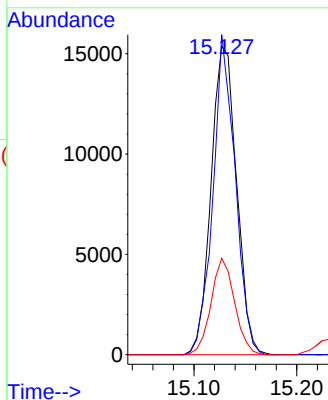
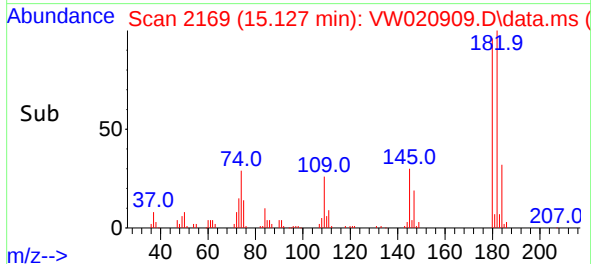
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020



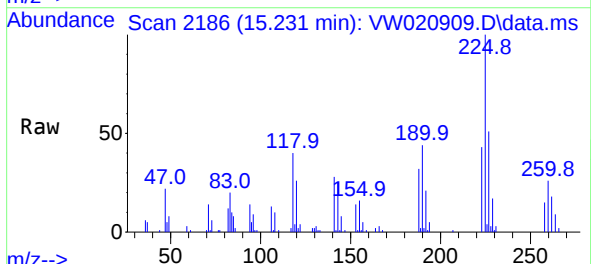
Tgt Ion:180 Resp: 2648
Ion Ratio Lower Upper
180 100
182 90.5 46.5 139.3
145 28.9 15.0 45.1

Manual Integrations
APPROVED

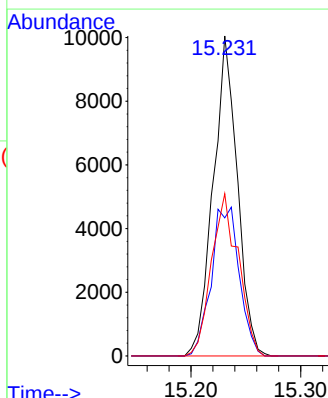
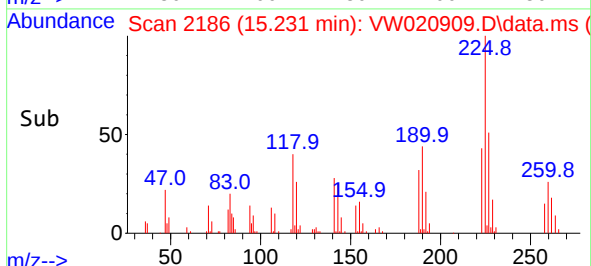
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

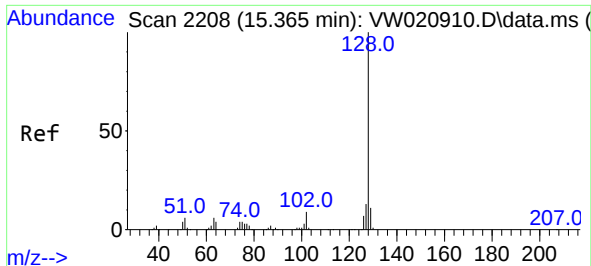


#94
Hexachlorobutadiene
Concen: 19.587 ug/l
RT: 15.231 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33



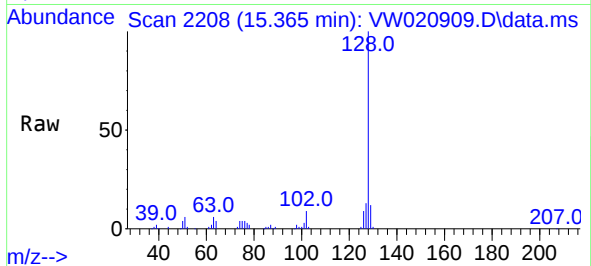
Tgt Ion:225 Resp: 15344
Ion Ratio Lower Upper
225 100
223 54.3 31.1 93.3
227 56.4 32.8 98.3





#95
Naphthalene
Concen: 22.010 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33

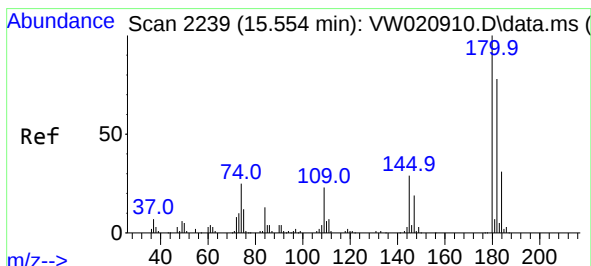
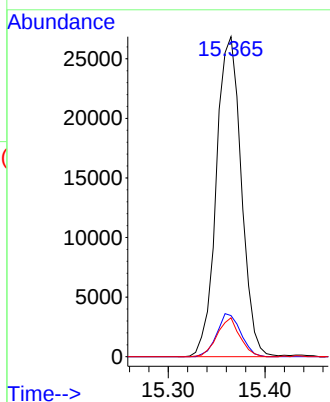
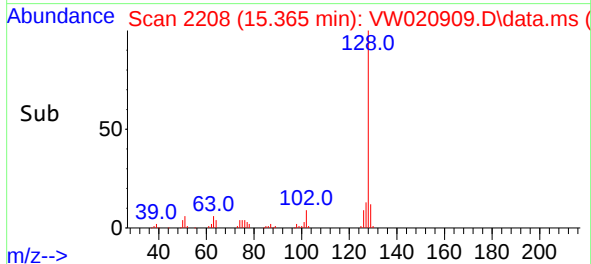
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020



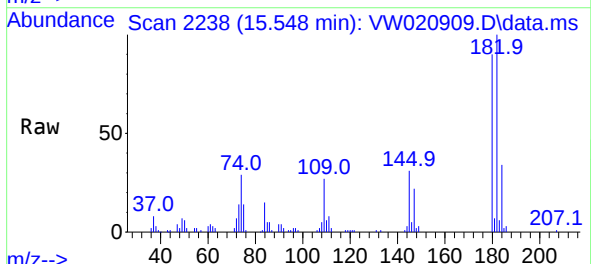
Tgt Ion:128 Resp: 48124
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 11.0 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#96
1,2,3-Trichlorobenzene
Concen: 19.445 ug/l
RT: 15.548 min Scan# 2238
Delta R.T. -0.006 min
Lab File: VW020909.D
Acq: 17 Nov 2021 16:33



Tgt Ion:180 Resp: 21677
Ion Ratio Lower Upper
180 100
182 101.2 46.2 138.6
145 33.0 14.9 44.5

