

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101923\
 Data File : VU055811.D
 Acq On : 19 Oct 2023 16:05
 Operator : MD/SY
 Sample : VU1019WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1019WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2023
 Supervised By : Mahesh Dadoda 10/25/2023

Quant Time: Oct 20 01:37:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 03:10:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	97756	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	36541	0.948	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	33037	0.924	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	70184	1.849	ug/l	97
3) Chloromethane	1.518	50	65465	2.018	ug/l	97
4) Vinyl Chloride	1.602	62	69500	2.090	ug/l	100
5) Bromomethane	1.856	94	41891	2.289	ug/l	99
6) Chloroethane	1.933	64	38666	2.401	ug/l	100
7) Trichlorofluoromethane	2.136	101	90014	2.053	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	55408	1.896	ug/l	92
9) 1,1-Dichloroethene	2.576	96	51975	1.906	ug/l	93
10) Iodomethane	2.718	142	77198	1.900	ug/l	98
11) Allyl Chloride	2.920	41	70001	1.975	ug/l	96
12) Acrylonitrile	3.325	53	21718	4.239	ug/l	97
13) Acetone	2.647	43	102253	9.355	ug/l	97
14) Carbon Disulfide	2.789	76	164719	1.851	ug/l	100
15) Methylene Chloride	3.043	84	73157	2.275	ug/l	96
16) trans-1,2-Dichloroethene	3.351	96	56016	1.938	ug/l	96
17) 1,1-Dichloroethane	3.866	63	104976	1.953	ug/l	99
18) 2-Butanone	4.721	43	104519	8.875	ug/l	96
19) Cyclohexane	5.383	56	89661m	1.956	ug/l	
20) Methylcyclohexane	6.763	83	93097	1.954	ug/l	96
21) 2,2-Dichloropropane	4.660	77	85663	1.893	ug/l	100
22) cis-1,2-Dichloroethene	4.663	96	58782	1.908	ug/l	95
23) Diethyl Ether	2.374	59	39069	2.397	ug/l	97
24) tert-Butyl Alcohol	3.345	59	36972m	22.116	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	116552	1.986	ug/l	99
26) Bromochloromethane	4.972	128	25323	1.940	ug/l	98
27) Chloroform	5.084	83	108173	1.961	ug/l	98
28) 1,1,1-Trichloroethane	5.313	97	95264	1.927	ug/l	99
29) 1,1-Dichloropropene	5.525	75	77510	1.980	ug/l	99
30) Carbon Tetrachloride	5.522	117	84789	1.965	ug/l	95
31) Isopropyl Ether	3.988	45	147233	2.039	ug/l	94
32) Ethyl-t-butyl ether	4.496	59	137149	1.968	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	114851	1.923	ug/l	98
34) Propionitrile	4.798	54	19478	10.455	ug/l #	77
35) Benzene	5.772	78	227790	1.921	ug/l	97
36) 1,2-Dichloroethane	5.792	62	65225	2.025	ug/l	99
37) Trichloroethene	6.541	130	59703	1.935	ug/l	98
38) 1,2-Dichloropropane	6.785	63	61263	1.978	ug/l	98
39) Methacrylonitrile	4.985	41	14459	2.081	ug/l	96
40) Methyl acrylate	4.856	55	20035	1.882	ug/l #	97
41) Tetrahydrofuran	5.071	42	15491	3.935	ug/l	98
42) 1-Chlorobutane	5.454	56	102634	1.966	ug/l	100
43) Dibromomethane	6.917	93	28495	1.936	ug/l	99
44) Bromodichloromethane	7.103	83	76526	1.967	ug/l	98

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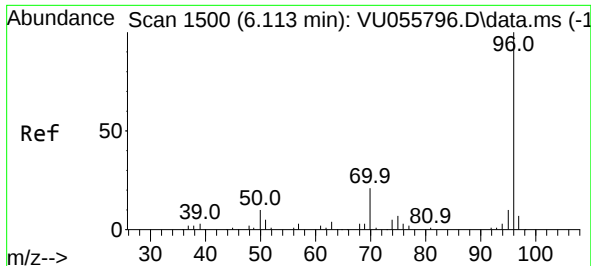
Manual Integrations
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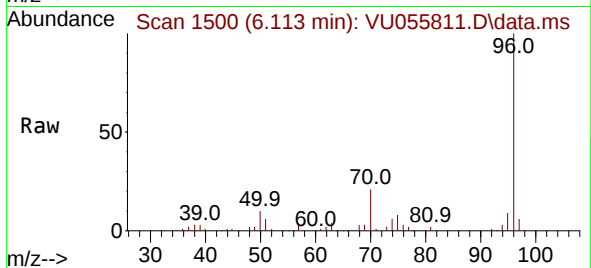
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	149339	9.810	ug/l	98
46) t-1,4-Dichloro-2-butene	10.830	75	21739m	3.590	ug/l	
47) Methyl methacrylate	6.962	69	48236	3.972	ug/l	98
48) Ethyl methacrylate	8.335	69	44490	2.021	ug/l	99
49) Toluene	7.968	92	139686	1.990	ug/l	94
50) t-1,3-Dichloropropene	8.210	75	65963	1.916	ug/l	97
51) cis-1,3-Dichloropropene	7.605	75	81954	1.945	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	40263	1.915	ug/l	98
53) 1,3-Dichloropropane	8.573	76	67920	1.890	ug/l	96
54) 2-Hexanone	8.689	43	141608	8.303	ug/l	98
55) Dibromochloromethane	8.808	129	49506	1.951	ug/l	99
56) 1,2-Dibromoethane	8.923	107	38567	2.008	ug/l	100
58) Tetrachloroethene	8.550	164	63947	1.993	ug/l	98
59) Chlorobenzene	9.444	112	154388	1.992	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.531	131	53058	1.920	ug/l	97
61) Pentachloroethane	11.425	117	35451	1.896	ug/l	92
62) Hexachloroethane	12.470	117	36587	1.985	ug/l	96
63) Ethyl Benzene	9.570	91	261272	1.986	ug/l	99
64) m/p-Xylenes	9.692	106	199467	3.944	ug/l	100
65) o-Xylene	10.097	106	99313	2.001	ug/l	96
66) Styrene	10.113	104	151025	1.946	ug/l	97
67) Bromoform	10.290	173	24821	1.821	ug/l	99
69) Isopropylbenzene	10.483	105	255340	1.999	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.779	83	47740	1.942	ug/l	97
71) 1,2,3-Trichloropropane	10.820	75	36027m	1.768	ug/l	
72) Bromobenzene	10.782	156	61120	2.005	ug/l	100
73) n-propylbenzene	10.904	120	64136	1.970	ug/l	95
74) 2-Chlorotoluene	10.984	126	61469	2.007	ug/l	95
75) 1,3,5-Trimethylbenzene	11.084	105	219854	2.025	ug/l	100
76) 4-Chlorotoluene	11.097	126	62614	2.006	ug/l	94
77) tert-Butylbenzene	11.418	119	193368	1.991	ug/l	98
78) 1,2,4-Trimethylbenzene	11.467	105	211200	1.969	ug/l	99
79) sec-Butylbenzene	11.640	105	230271	1.895	ug/l	99
80) Nitrobenzene	13.216	77	5607m	9.197	ug/l	
81) p-Isopropyltoluene	11.791	119	181040	1.870	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	121246	1.949	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	118548	1.969	ug/l	96
84) n-Butylbenzene	12.206	91	154751	1.878	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	113085	1.989	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	6062	1.727	ug/l	98
87) 1,2,4-Trichlorobenzene	13.839	180	54900	1.843	ug/l	97
88) Hexachlorobutadiene	14.016	225	38855	1.811	ug/l	98
89) Naphthalene	14.087	128	79402	1.925	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	48855	1.903	ug/l	99

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1500
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

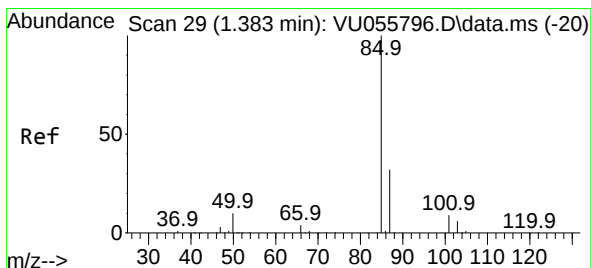
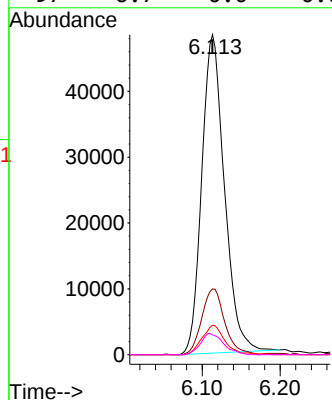
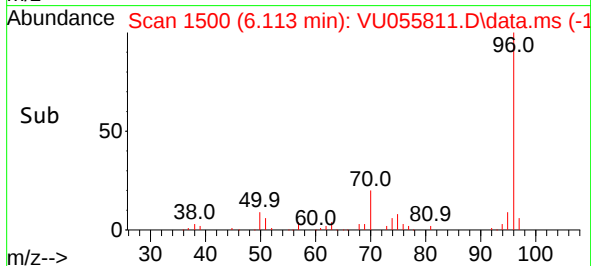
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



Tgt Ion: 96 Resp: 97750
Ion Ratio Lower Upper
96 100
70 20.9 16.5 24.7
95 9.0 7.4 11.0
97 6.7 0.0 0.0#

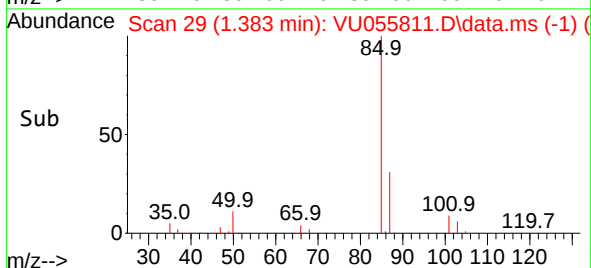
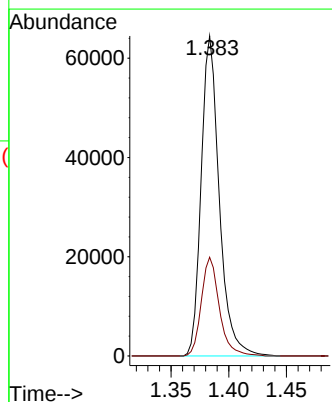
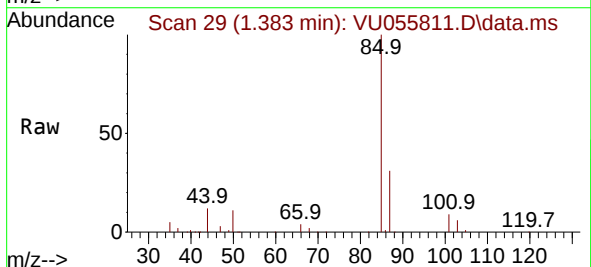
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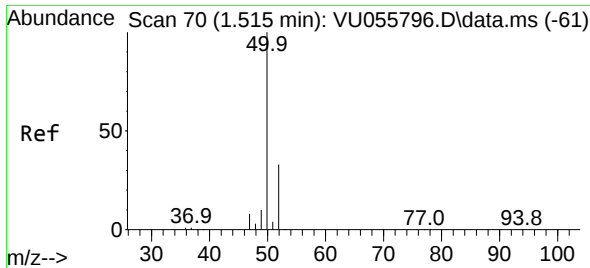
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#2
Dichlorodifluoromethane
Concen: 1.849 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Tgt Ion: 85 Resp: 70184
Ion Ratio Lower Upper
85 100
87 30.9 16.2 48.6





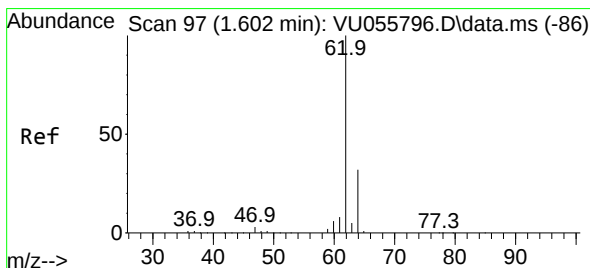
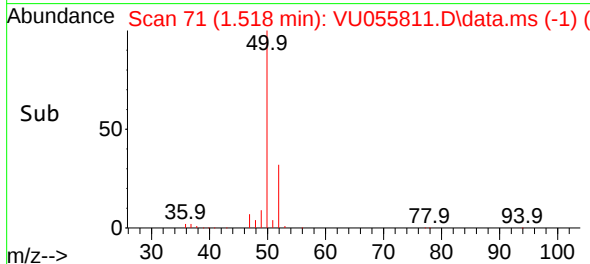
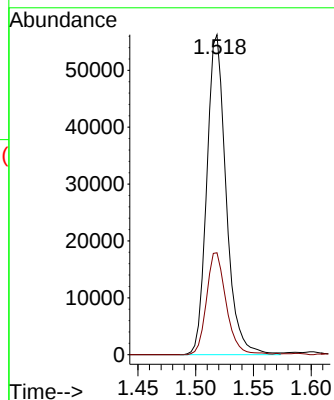
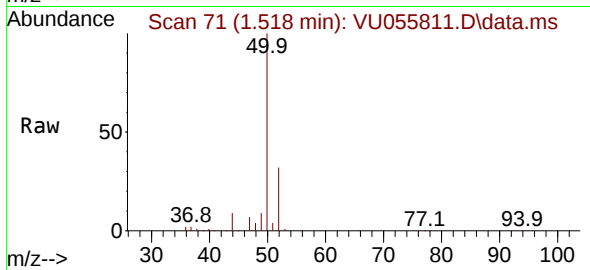
#3
Chloromethane
Concen: 2.018 ug/l
RT: 1.518 min Scan# 70
Delta R.T. 0.003 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01

Tgt Ion: 50 Resp: 6546
Ion Ratio Lower Upper
50 100
52 31.8 26.6 40.0

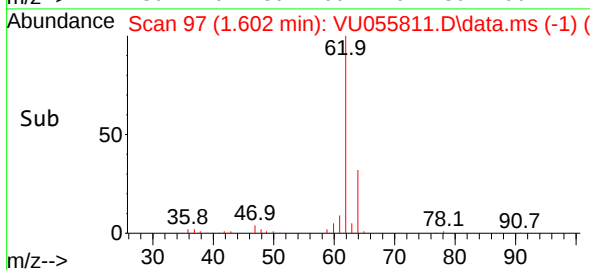
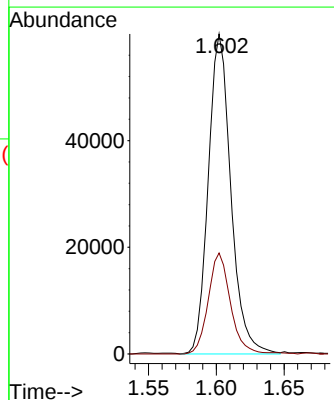
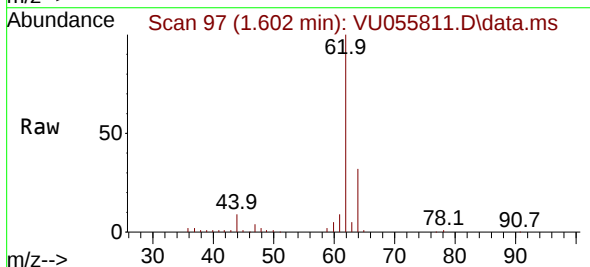
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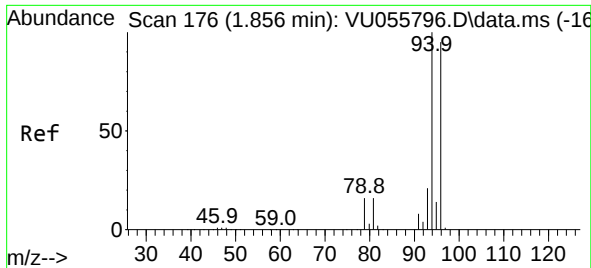
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#4
Vinyl Chloride
Concen: 2.090 ug/l
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Tgt Ion: 62 Resp: 69500
Ion Ratio Lower Upper
62 100
64 31.6 25.4 38.2





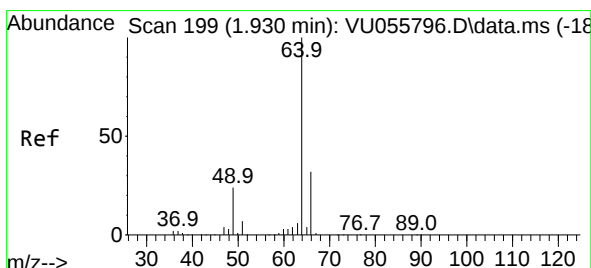
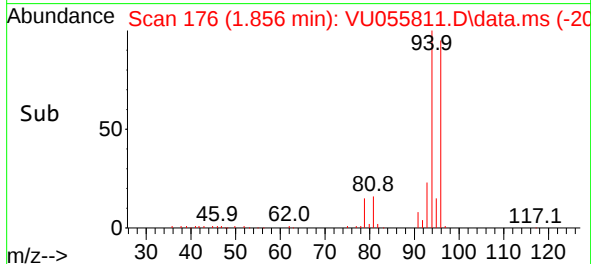
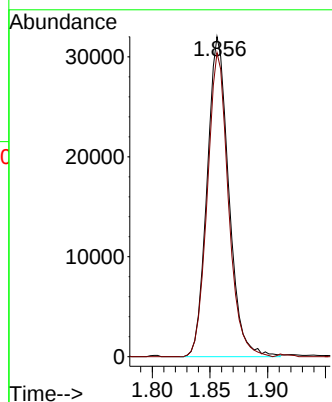
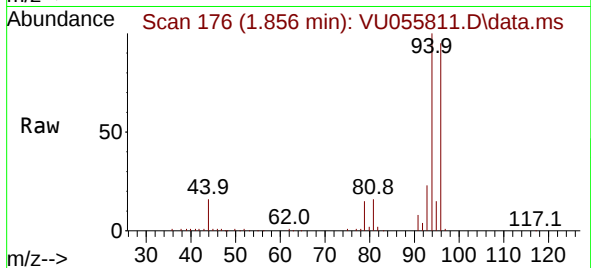
#5
Bromomethane
Concen: 2.289 ug/l
RT: 1.856 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01

Tgt Ion: 94 Resp: 4189
Ion Ratio Lower Upper
94 100
96 95.0 75.4 113.2

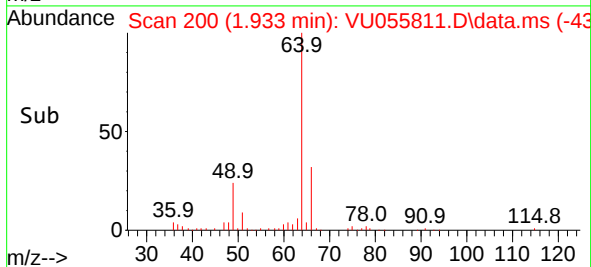
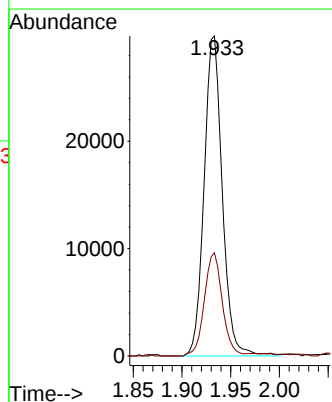
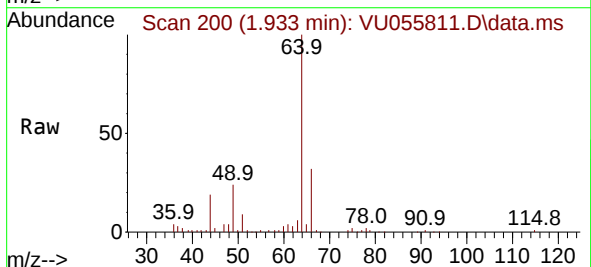
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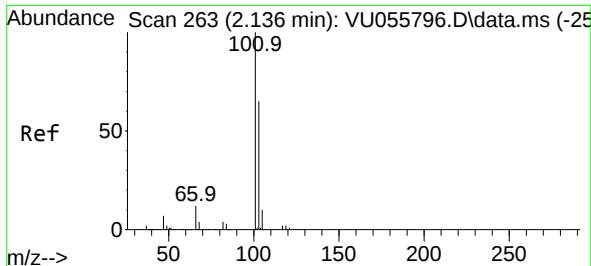
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#6
Chloroethane
Concen: 2.401 ug/l
RT: 1.933 min Scan# 200
Delta R.T. 0.003 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

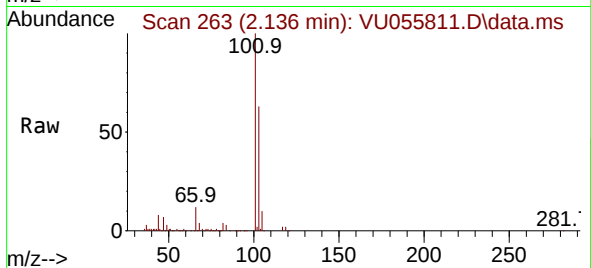
Tgt Ion: 64 Resp: 38666
Ion Ratio Lower Upper
64 100
66 32.3 26.0 39.0





#7
 Trichlorofluoromethane
 Concen: 2.053 ug/l
 RT: 2.136 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VU055811.D
 Acq: 19 Oct 2023 16:05

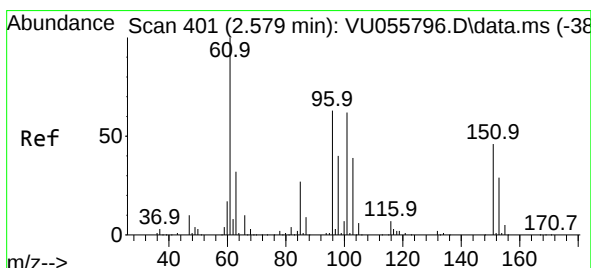
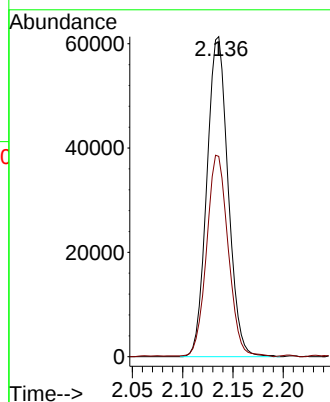
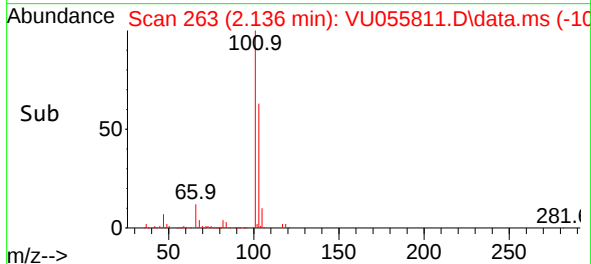
Instrument :
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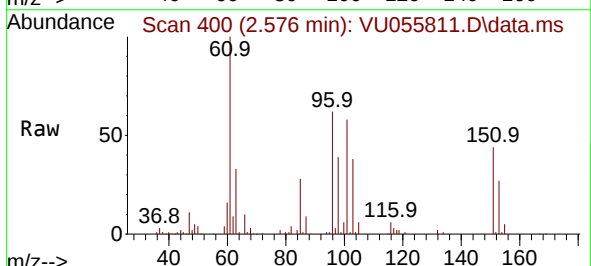
Tgt Ion:101 Resp: 90014
 Ion Ratio Lower Upper
 101 100
 103 62.4 51.4 77.0

Manual Integrations
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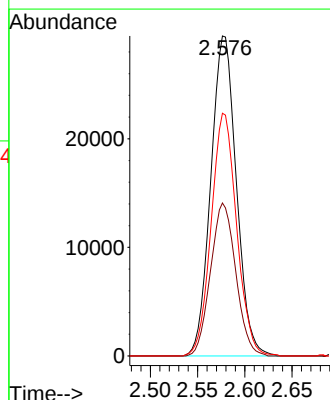
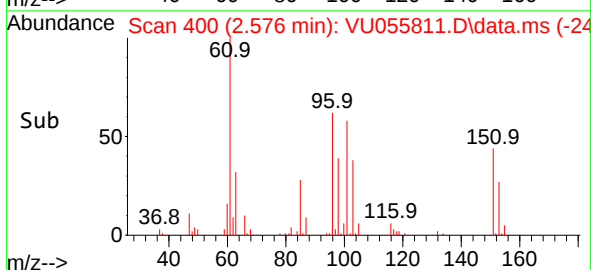
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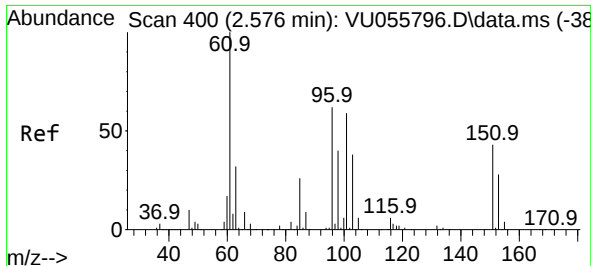


#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.896 ug/l
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU055811.D
 Acq: 19 Oct 2023 16:05



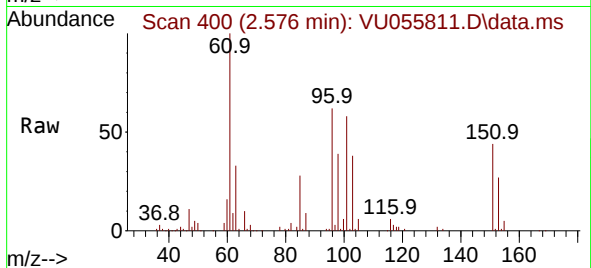
Tgt Ion:101 Resp: 55408
 Ion Ratio Lower Upper
 101 100
 85 47.1 35.4 53.0
 151 75.6 54.0 81.0





#9
1,1-Dichloroethene
Concen: 1.906 ug/l
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

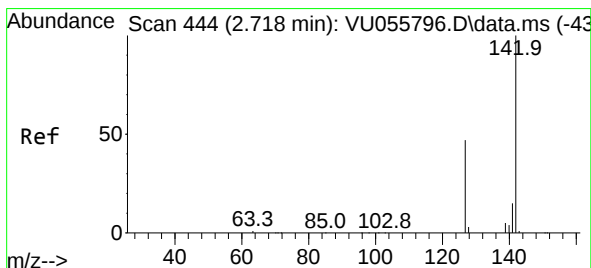
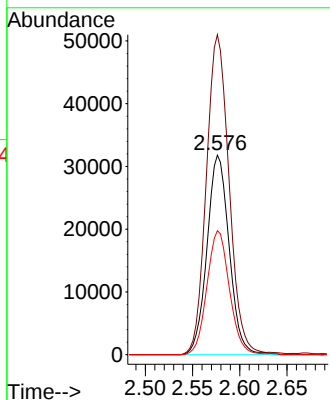
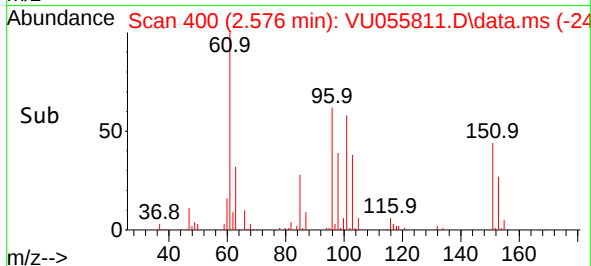
Instrument :
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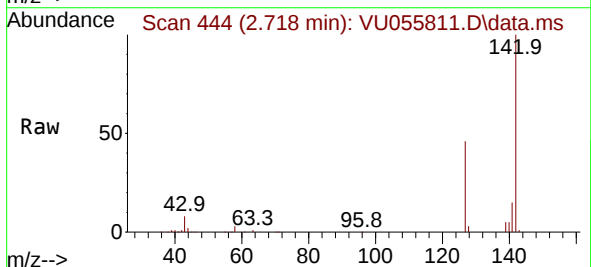
Tgt Ion: 96 Resp: 5197
Ion Ratio Lower Upper
96 100
61 160.4 0.0 521.4
98 62.1 0.0 125.8

Manual Integrations
APPROVED

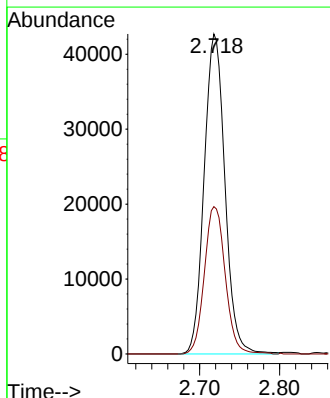
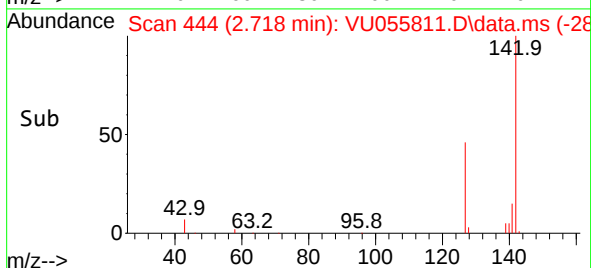
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

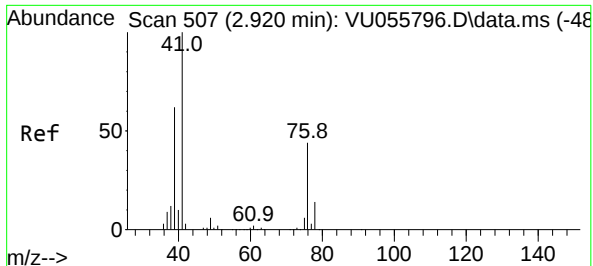


#10
Iodomethane
Concen: 1.900 ug/l
RT: 2.718 min Scan# 444
Delta R.T. -0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05



Tgt Ion:142 Resp: 77198
Ion Ratio Lower Upper
142 100
127 46.3 35.9 53.9





#11

Allyl Chloride

Concen: 1.975 ug/l

RT: 2.920 min Scan# 507

Delta R.T. 0.000 min

Lab File: VU055811.D

Acq: 19 Oct 2023 16:05

Instrument :

MSVOA_U

ClientSampleId :

VU1019WBSD01

Tgt Ion: 41 Resp: 7000

Ion Ratio Lower Upper

41 100

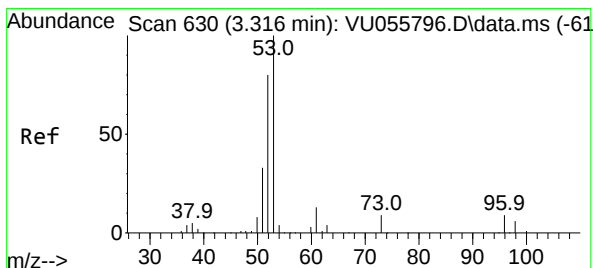
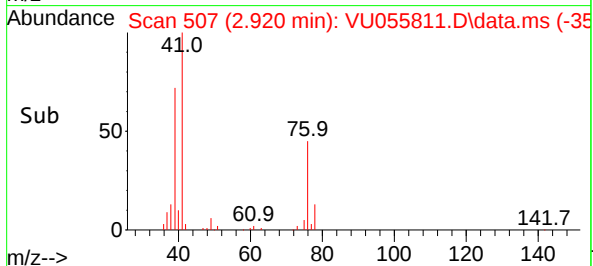
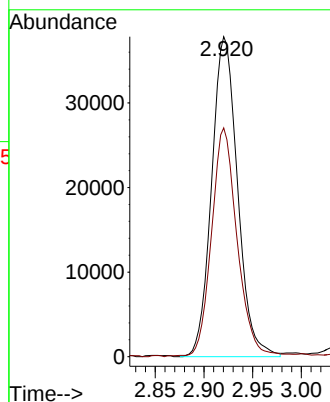
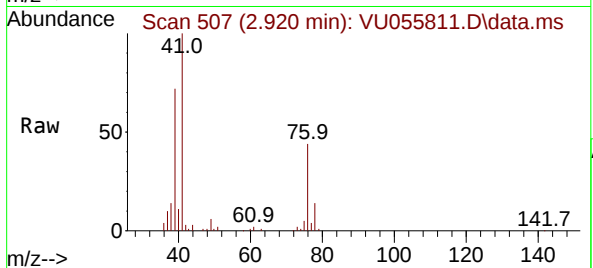
39 70.9 54.2 81.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#12

Acrylonitrile

Concen: 4.239 ug/l

RT: 3.325 min Scan# 633

Delta R.T. 0.009 min

Lab File: VU055811.D

Acq: 19 Oct 2023 16:05

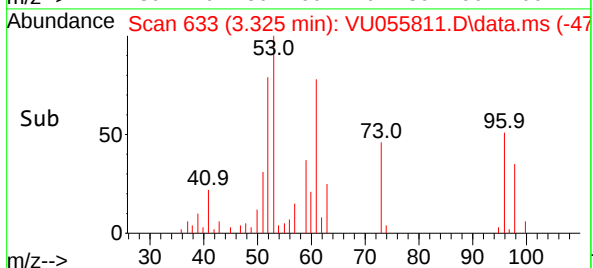
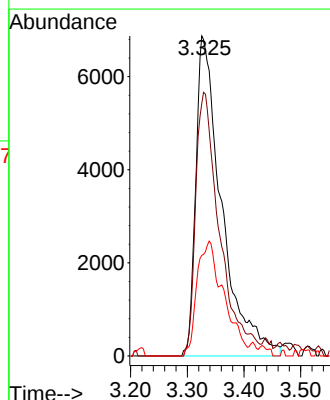
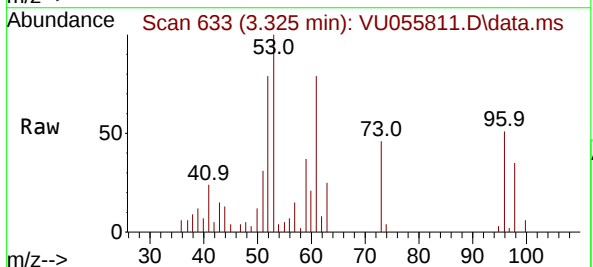
Tgt Ion: 53 Resp: 21718

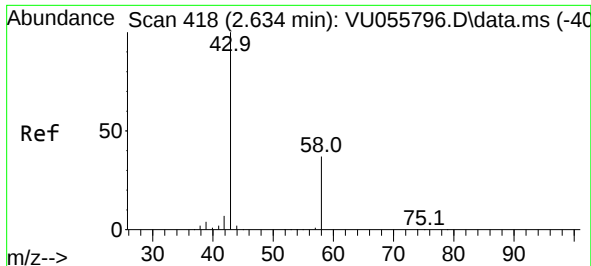
Ion Ratio Lower Upper

53 100

52 76.7 62.9 94.3

51 37.1 27.8 41.6





#13

Acetone

Concen: 9.355 ug/l

RT: 2.647 min Scan# 41

Delta R.T. 0.013 min

Lab File: VU055811.D

Acq: 19 Oct 2023 16:05

Instrument :

MSVOA_U

ClientSampleId :

VU1019WBSD01

Tgt Ion: 43 Resp: 10225

Ion Ratio Lower Upper

43 100

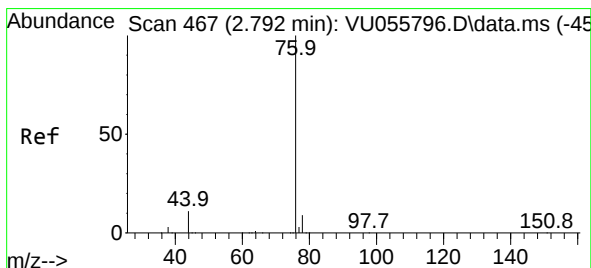
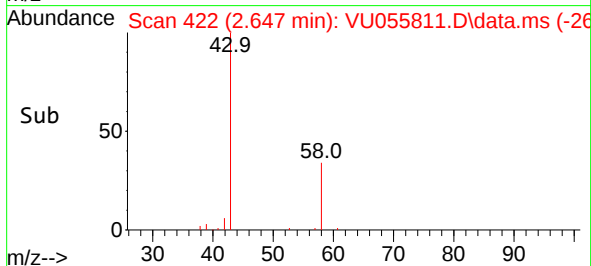
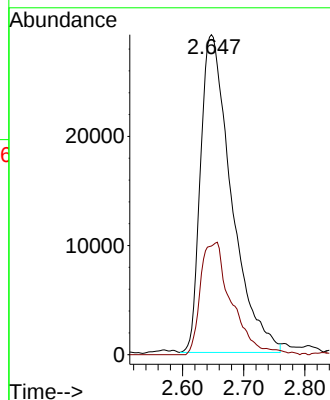
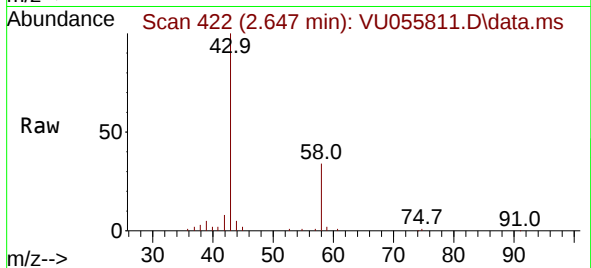
58 34.2 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#14

Carbon Disulfide

Concen: 1.851 ug/l

RT: 2.789 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU055811.D

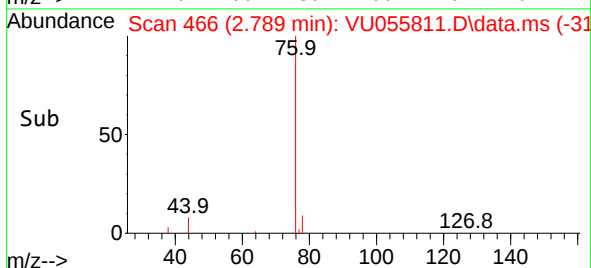
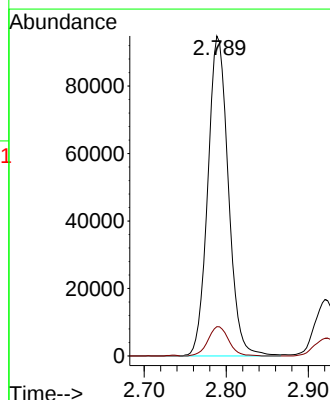
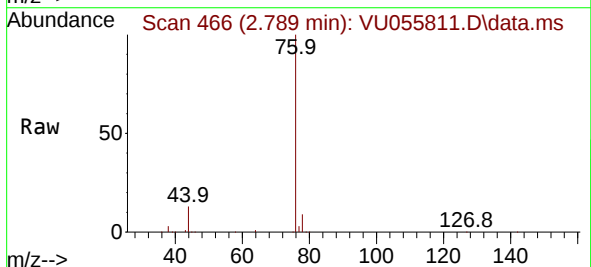
Acq: 19 Oct 2023 16:05

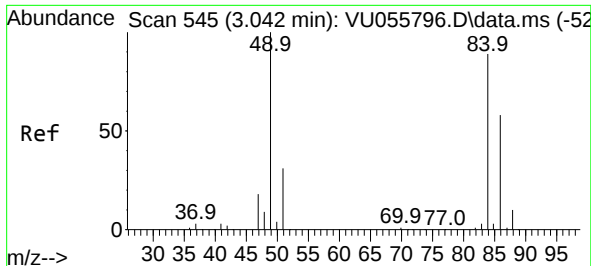
Tgt Ion: 76 Resp: 164719

Ion Ratio Lower Upper

76 100

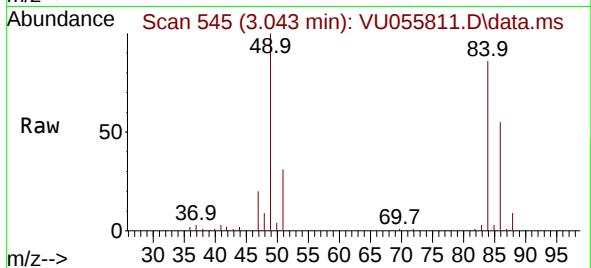
78 9.2 7.4 11.0





#15
Methylene Chloride
Concen: 2.275 ug/l
RT: 3.043 min Scan# 545
Delta R.T. 0.001 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

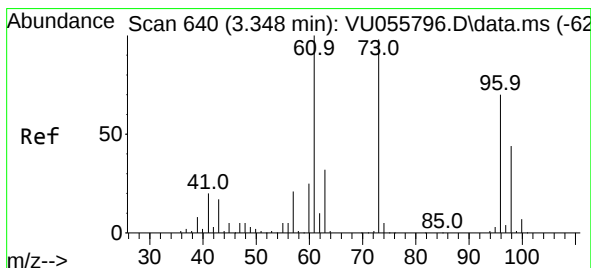
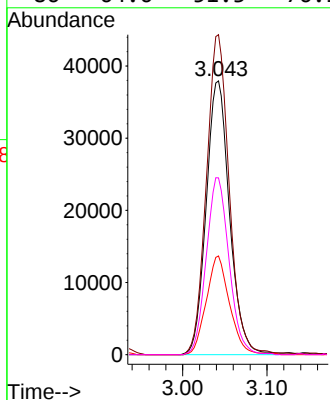
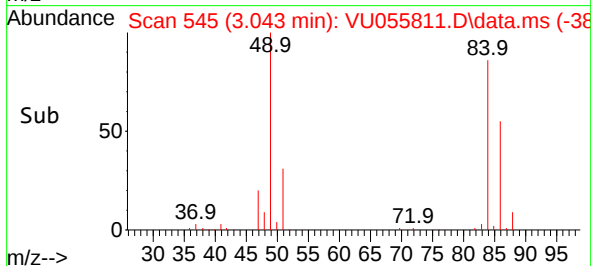
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



Tgt Ion: 84 Resp: 7315
Ion Ratio Lower Upper
84 100
49 116.9 98.9 148.3
51 36.0 0.0 75.4
86 64.6 51.3 76.9

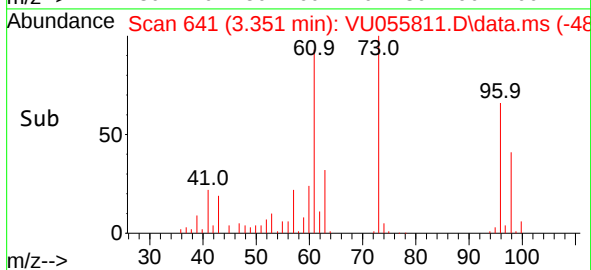
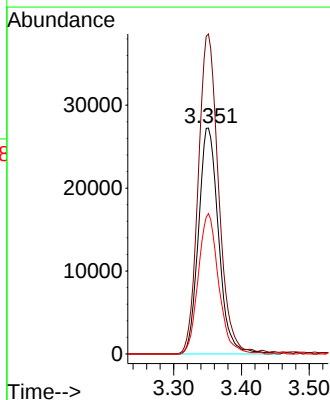
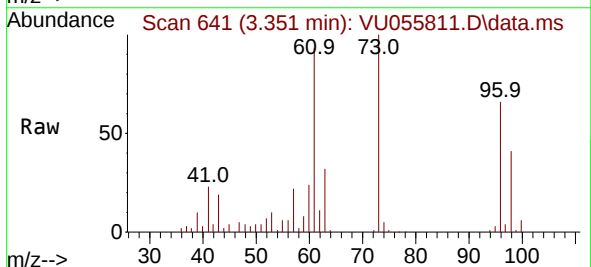
Manual Integrations
APPROVED

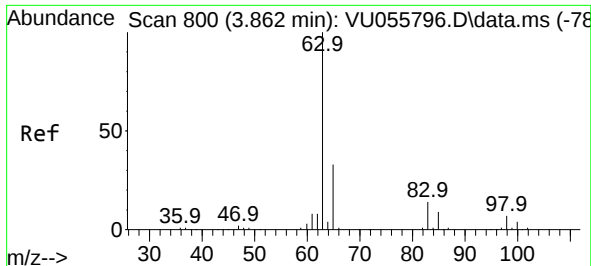
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#16
trans-1,2-Dichloroethene
Concen: 1.938 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Tgt Ion: 96 Resp: 56016
Ion Ratio Lower Upper
96 100
61 141.6 117.5 176.3
98 62.1 48.3 72.5





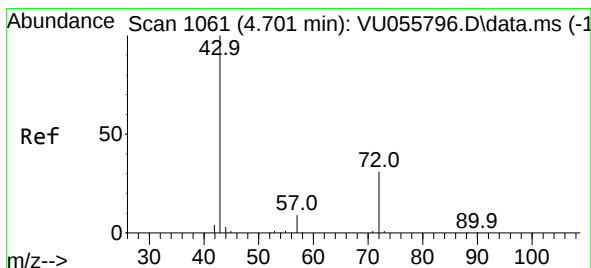
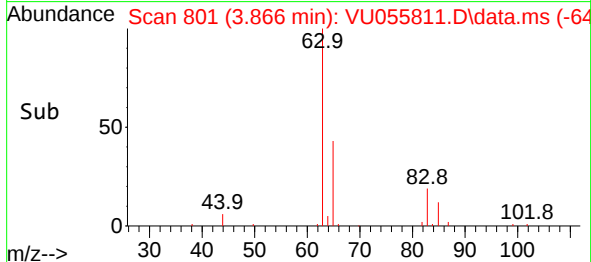
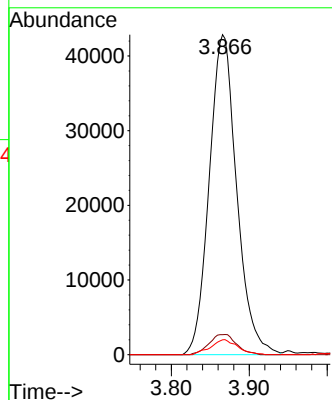
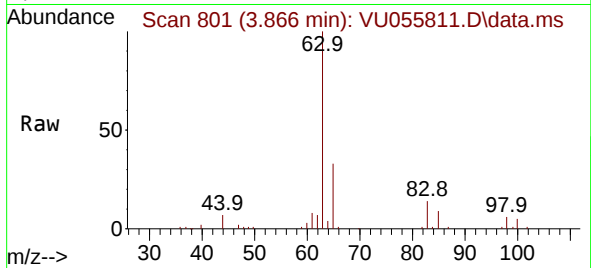
#17
1,1-Dichloroethane
Concen: 1.953 ug/l
RT: 3.866 min Scan# 800
Delta R.T. 0.004 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01

Tgt Ion: 63 Resp: 104970
Ion Ratio Lower Upper
63 100
98 6.3 3.4 10.1
100 4.6 2.2 6.6

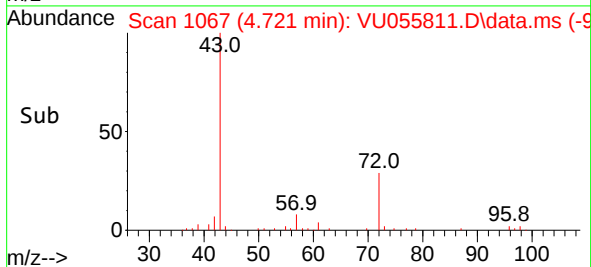
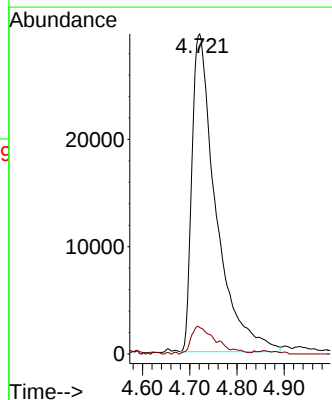
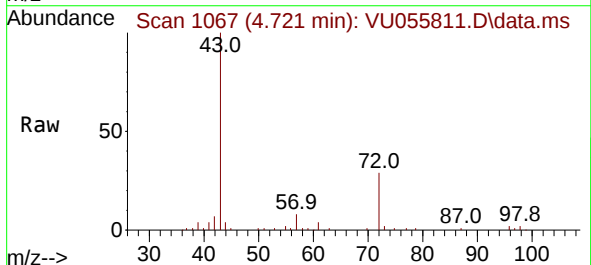
Manual Integrations
APPROVED

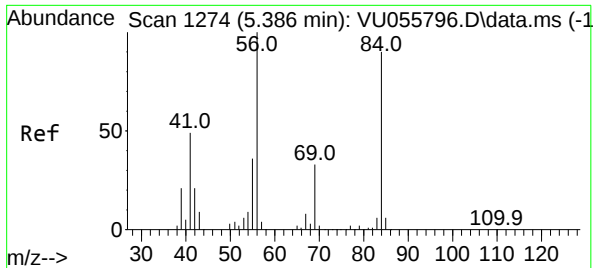
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#18
2-Butanone
Concen: 8.875 ug/l
RT: 4.721 min Scan# 1067
Delta R.T. 0.020 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Tgt Ion: 43 Resp: 104519
Ion Ratio Lower Upper
43 100
57 8.4 0.0 19.6





#19

Cyclohexane

Concen: 1.956 ug/l m

RT: 5.383 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055811.D

Acq: 19 Oct 2023 16:05

Instrument :

MSVOA_U

ClientSampleId :

VU1019WBSD01

Tgt Ion: 56 Resp: 8966

Ion Ratio Lower Upper

56 100

69 32.5 24.6 37.0

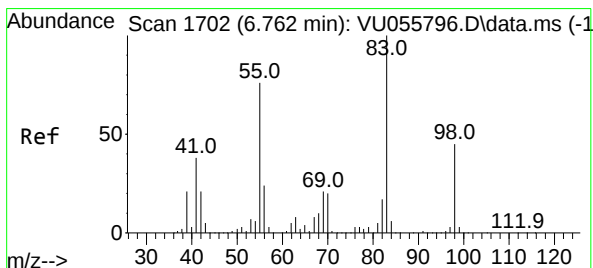
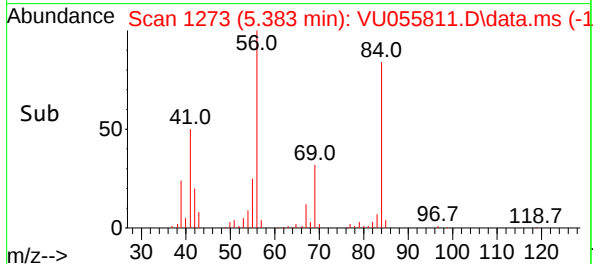
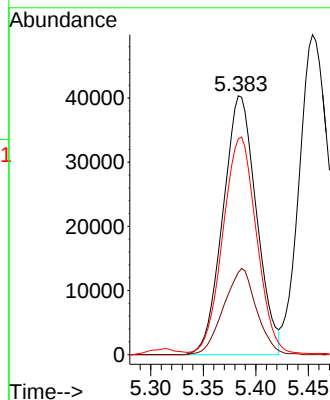
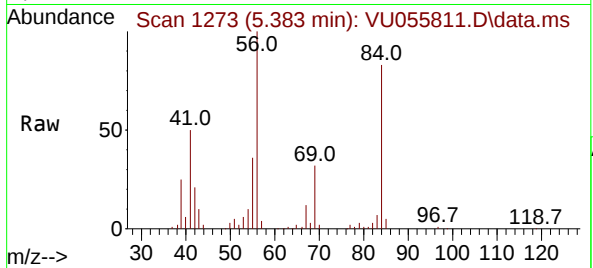
84 82.8 68.4 102.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#20

Methylcyclohexane

Concen: 1.954 ug/l

RT: 6.763 min Scan# 1702

Delta R.T. 0.001 min

Lab File: VU055811.D

Acq: 19 Oct 2023 16:05

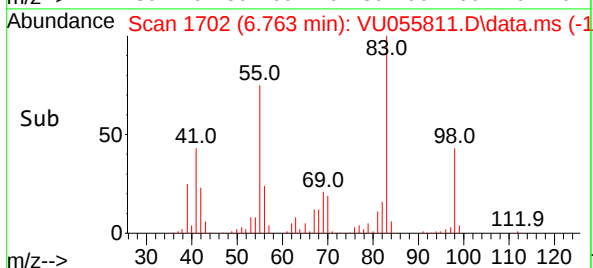
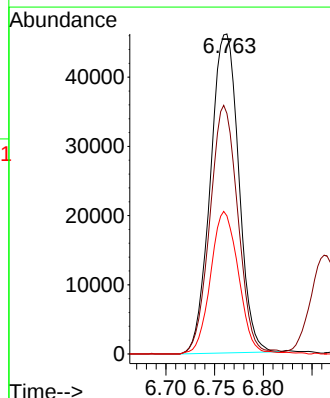
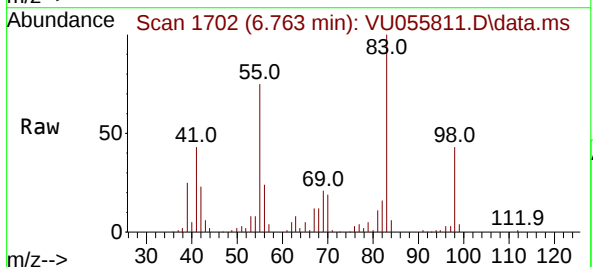
Tgt Ion: 83 Resp: 93097

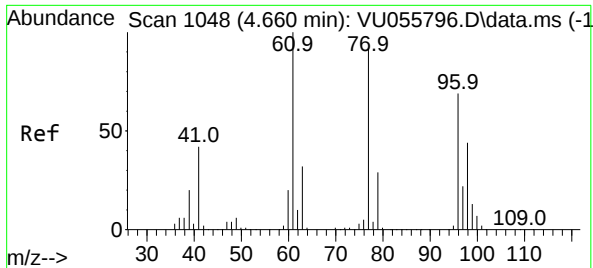
Ion Ratio Lower Upper

83 100

55 75.3 63.5 95.3

98 43.4 36.0 54.0





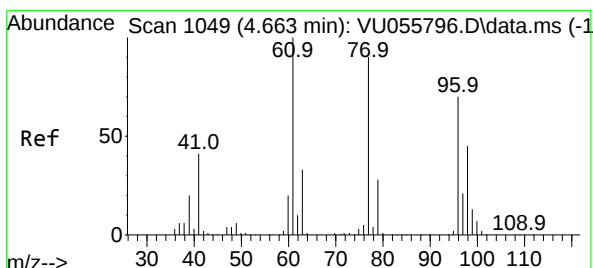
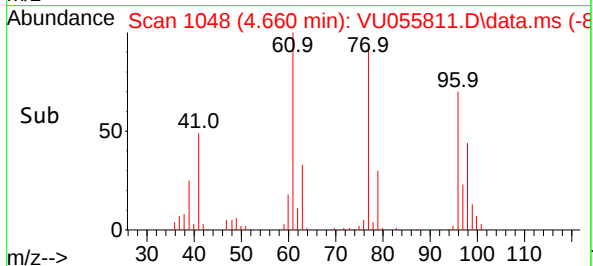
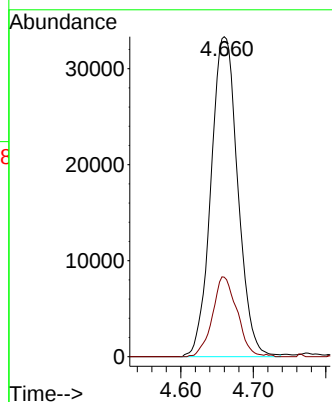
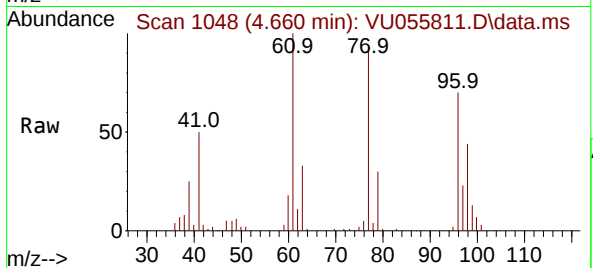
#21
2,2-Dichloropropane
Concen: 1.893 ug/l
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01

Tgt Ion: 77 Resp: 8566
Ion Ratio Lower Upper
77 100
97 22.9 18.4 27.6

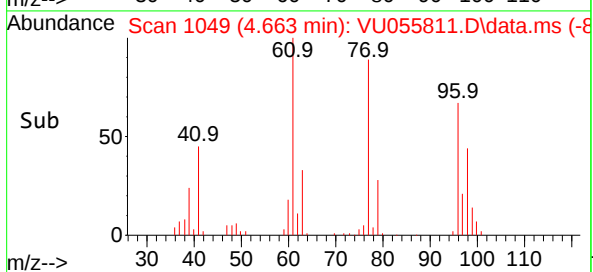
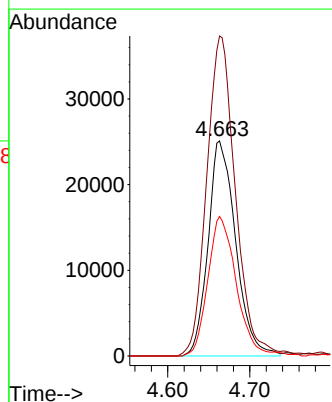
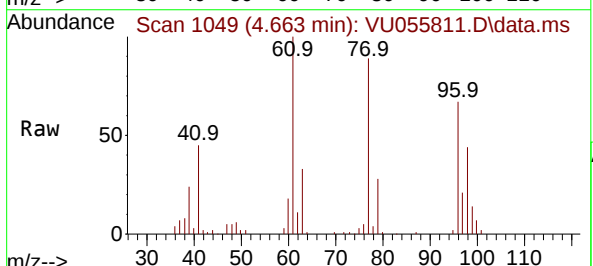
Manual Integrations
APPROVED

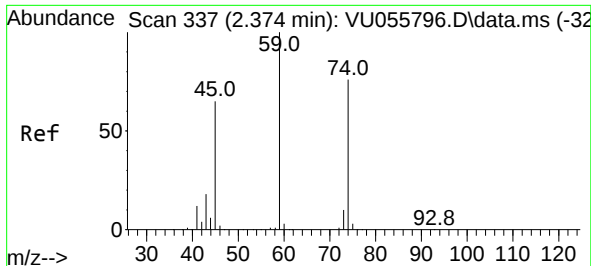
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#22
cis-1,2-Dichloroethene
Concen: 1.908 ug/l
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

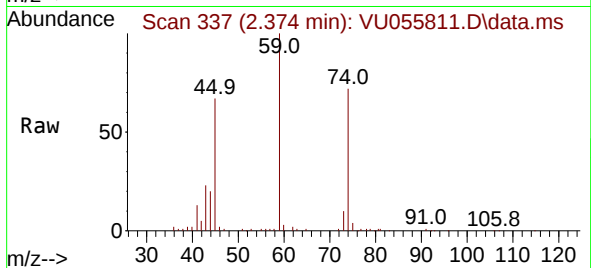
Tgt Ion: 96 Resp: 58782
Ion Ratio Lower Upper
96 100
61 153.5 0.0 365.8
98 66.9 32.0 96.0





#23
Diethyl Ether
Concen: 2.397 ug/l
RT: 2.374 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

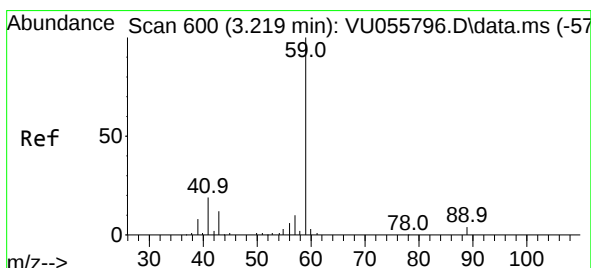
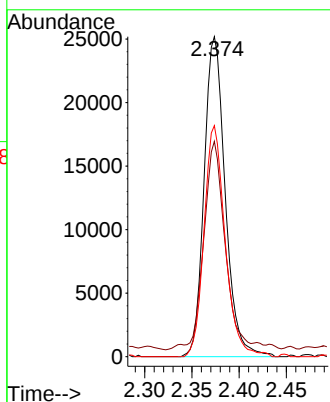
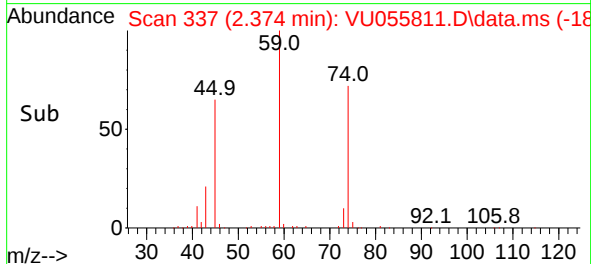
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



Tgt Ion: 59 Resp: 39069
Ion Ratio Lower Upper
59 100
45 65.4 56.1 84.1
74 72.4 57.4 86.2

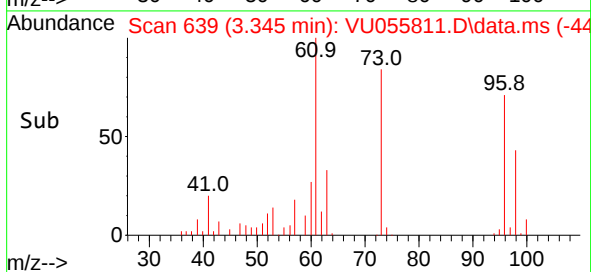
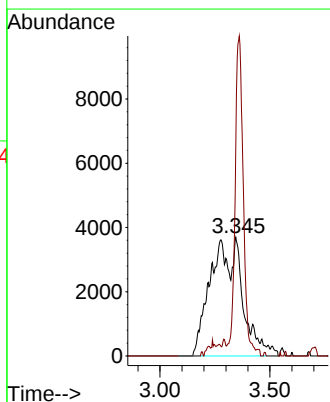
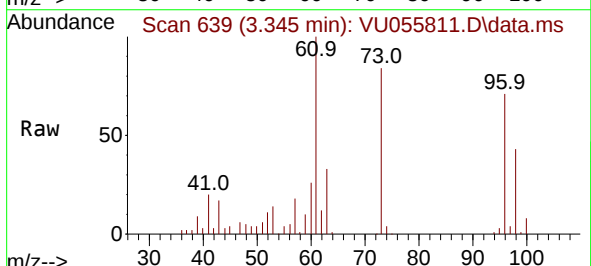
Manual Integrations
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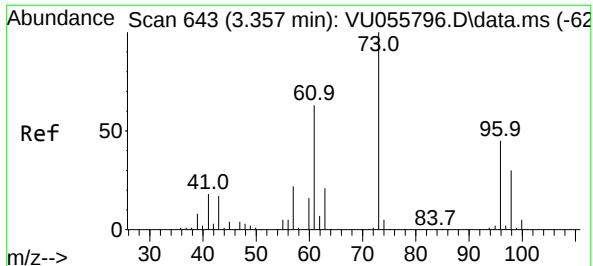
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#24
tert-Butyl Alcohol
Concen: 22.116 ug/l m
RT: 3.345 min Scan# 639
Delta R.T. 0.126 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

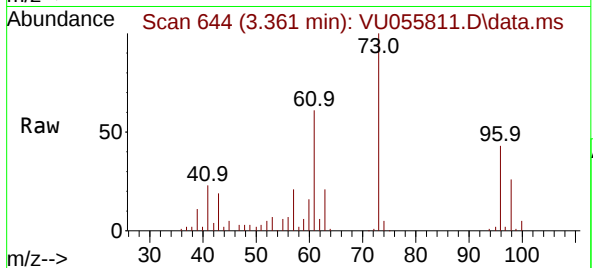
Tgt Ion: 59 Resp: 36972
Ion Ratio Lower Upper
59 100
57 0.0 105.6 158.4#





#25
Methyl tert-Butyl Ether
Concen: 1.986 ug/l
RT: 3.361 min Scan# 64
Delta R.T. 0.004 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

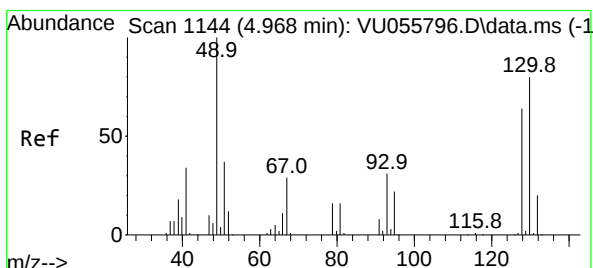
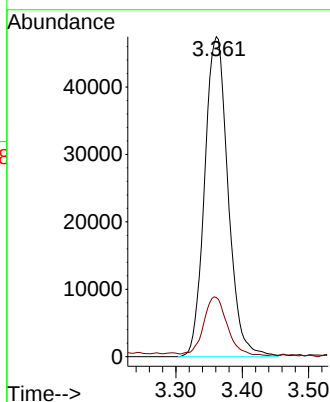
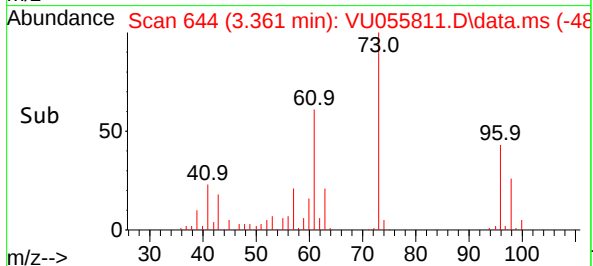
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



Tgt Ion: 73 Resp: 11655
Ion Ratio Lower Upper
73 100
43 18.3 15.0 22.6

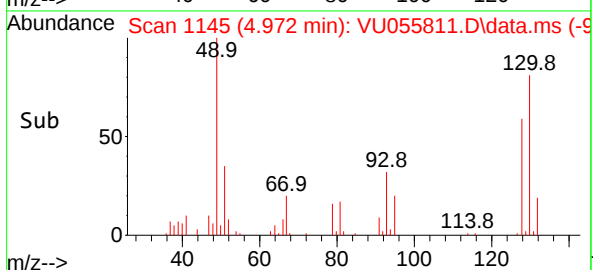
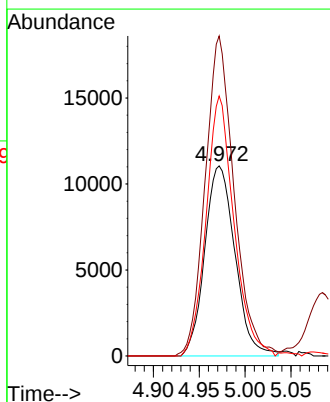
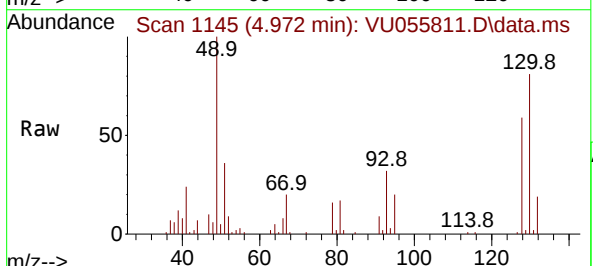
Manual Integrations
APPROVED

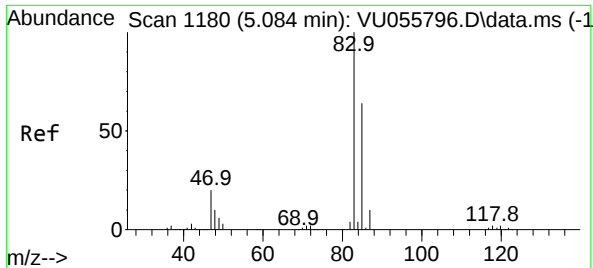
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#26
Bromochloromethane
Concen: 1.940 ug/l
RT: 4.972 min Scan# 1145
Delta R.T. 0.004 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Tgt Ion:128 Resp: 25323
Ion Ratio Lower Upper
128 100
49 160.7 0.0 324.6
130 126.1 103.0 154.4





#27

Chloroform

Concen: 1.961 ug/l

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055811.D

Acq: 19 Oct 2023 16:05

Instrument :

MSVOA_U

ClientSampleId :

VU1019WBSD01

Tgt Ion: 83 Resp: 10817

Ion Ratio Lower Upper

83 100

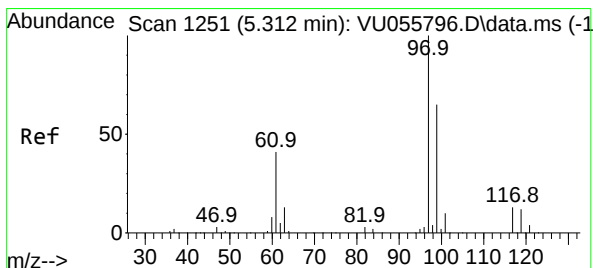
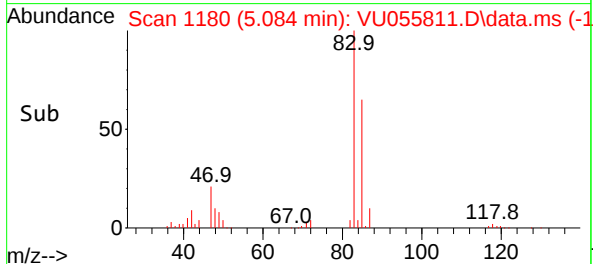
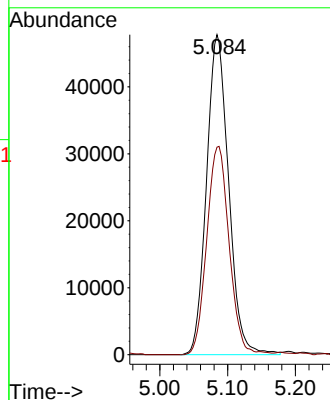
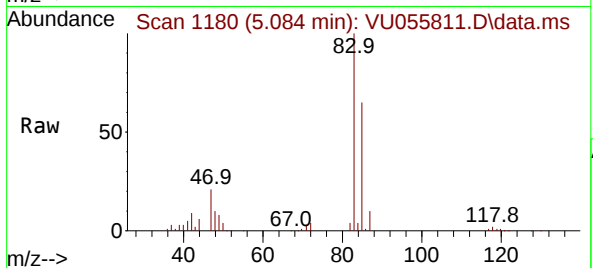
85 64.9 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#28

1,1,1-Trichloroethane

Concen: 1.927 ug/l

RT: 5.313 min Scan# 1251

Delta R.T. 0.001 min

Lab File: VU055811.D

Acq: 19 Oct 2023 16:05

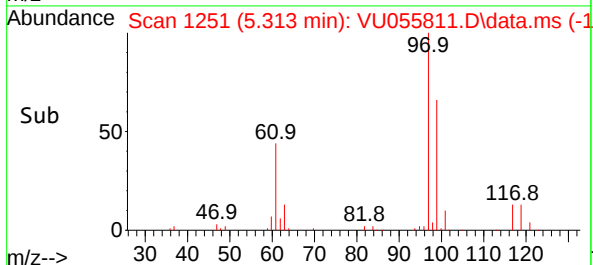
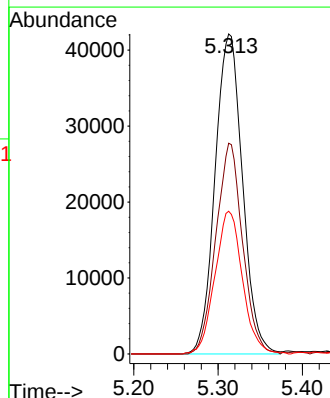
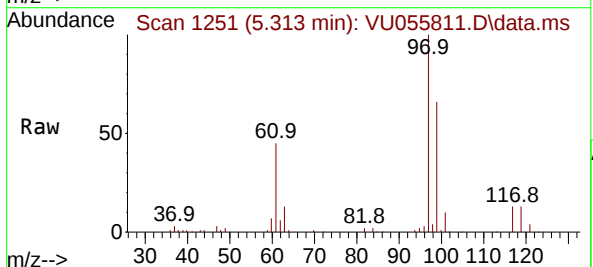
Tgt Ion: 97 Resp: 95264

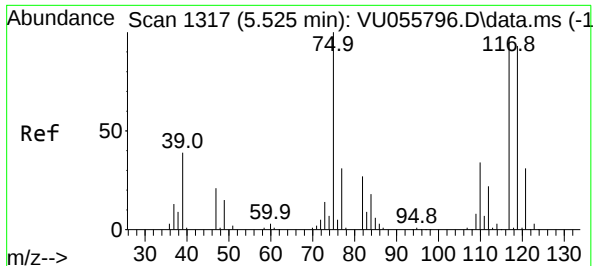
Ion Ratio Lower Upper

97 100

99 64.1 32.0 96.2

61 44.8 22.9 68.5





#29

1,1-Dichloropropene

Concen: 1.980 ug/l

RT: 5.525 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VU055811.D

Acq: 19 Oct 2023 16:05

Instrument :

MSVOA_U

ClientSampleId :

VU1019WBSD01

Tgt Ion: 75 Resp: 77510

Ion Ratio Lower Upper

75 100

110 35.0 18.0 54.0

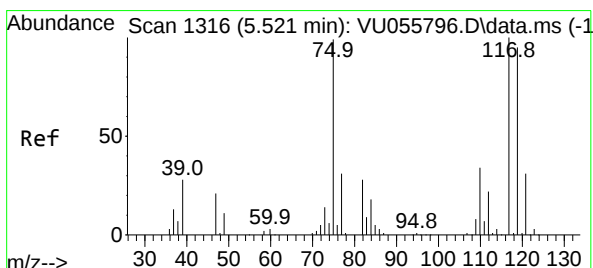
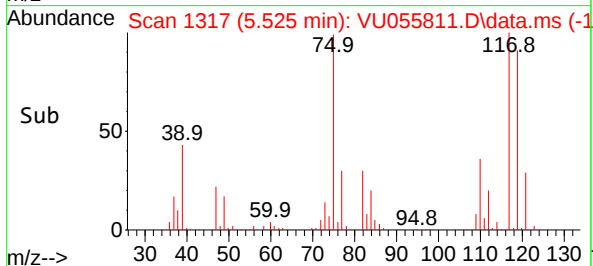
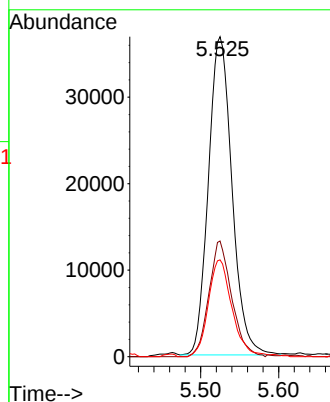
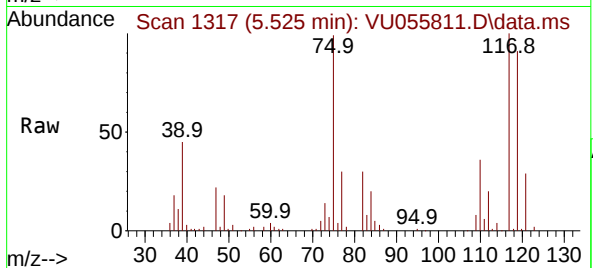
77 30.5 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#30

Carbon Tetrachloride

Concen: 1.965 ug/l

RT: 5.522 min Scan# 1316

Delta R.T. 0.001 min

Lab File: VU055811.D

Acq: 19 Oct 2023 16:05

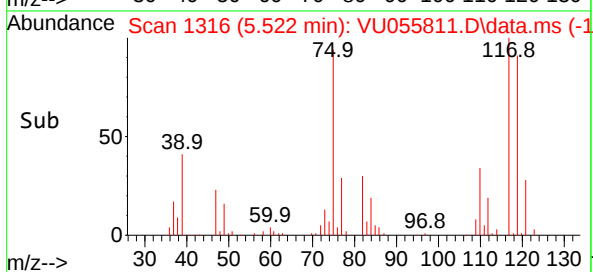
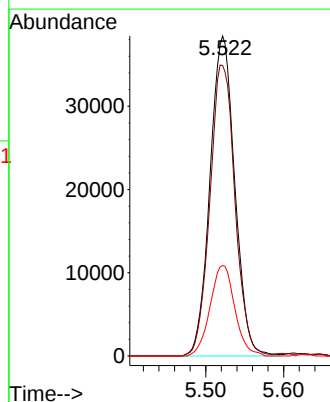
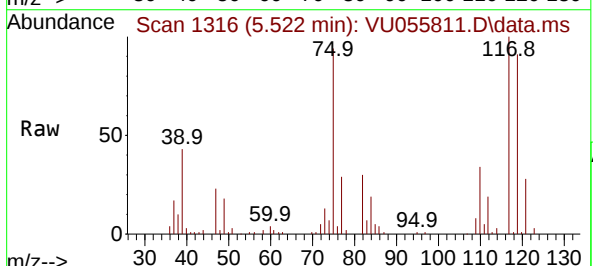
Tgt Ion:117 Resp: 84789

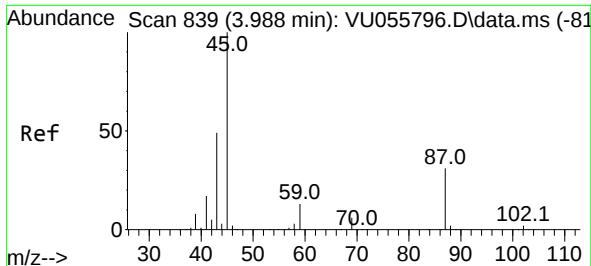
Ion Ratio Lower Upper

117 100

119 90.8 77.4 116.0

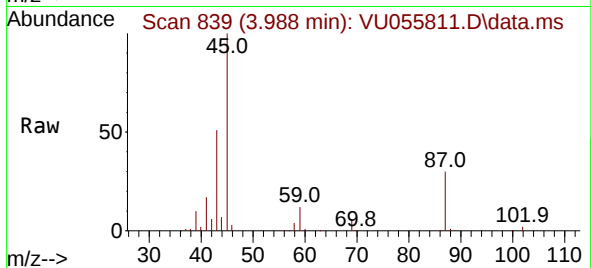
121 28.3 24.0 36.0





#31
Isopropyl Ether
Concen: 2.039 ug/l
RT: 3.988 min Scan# 839
Delta R.T. -0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

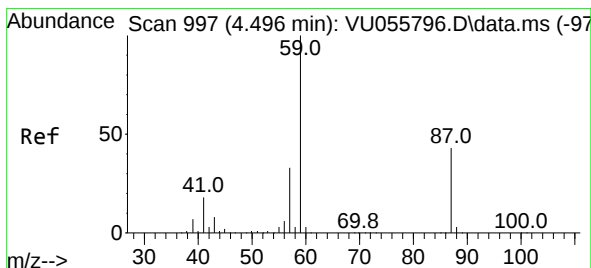
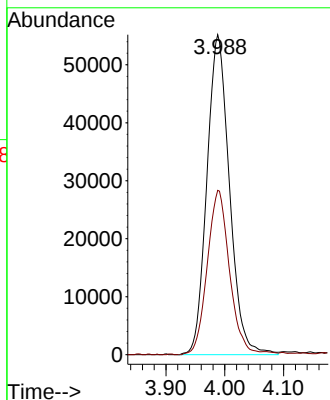
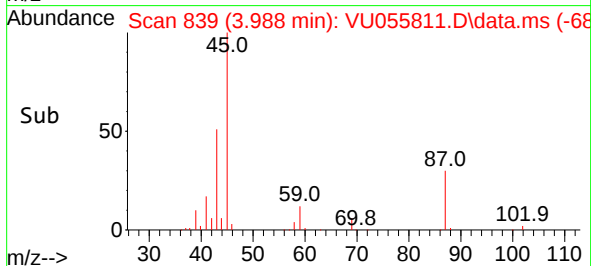
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



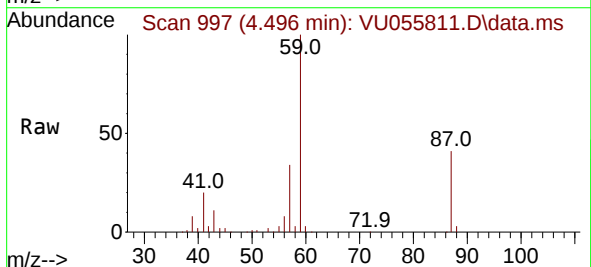
Tgt Ion: 45 Resp: 14723
Ion Ratio Lower Upper
45 100
43 50.5 27.5 82.5

Manual Integrations
APPROVED

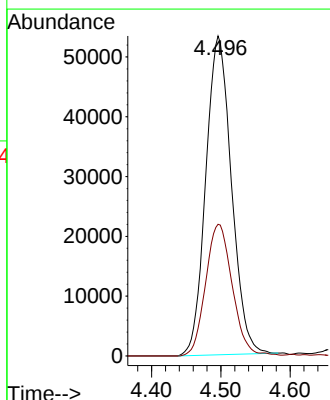
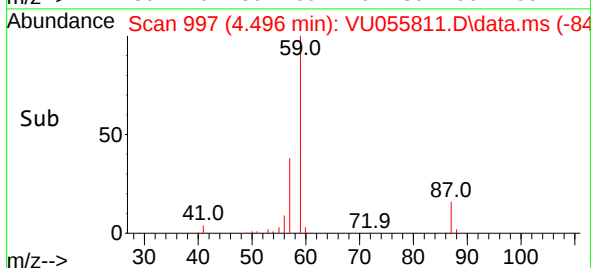
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

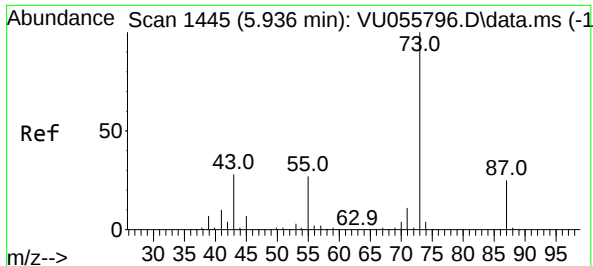


#32
Ethyl-t-butyl ether
Concen: 1.968 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05



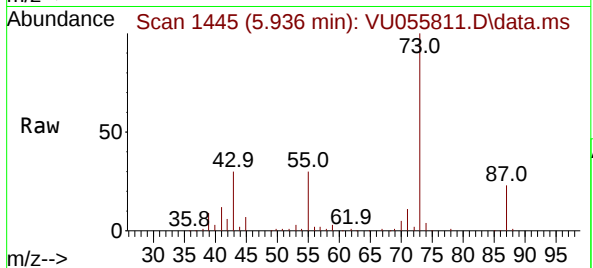
Tgt Ion: 59 Resp: 137149
Ion Ratio Lower Upper
59 100
87 41.3 33.5 50.3





#33
Tert-Amyl methyl ether
Concen: 1.923 ug/l
RT: 5.936 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

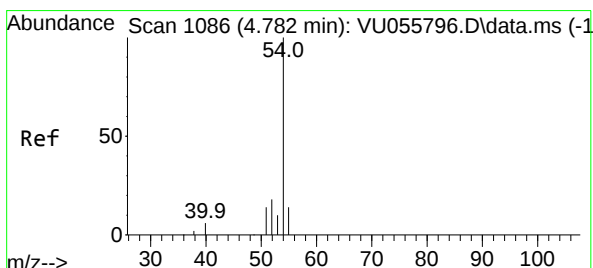
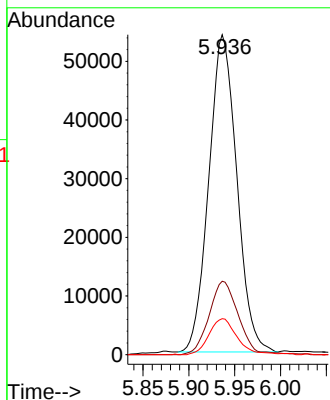
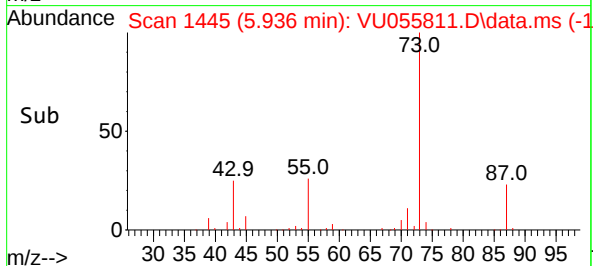
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



Tgt Ion: 73 Resp: 11485
Ion Ratio Lower Upper
73 100
87 23.6 18.6 28.0
71 10.9 9.9 14.9

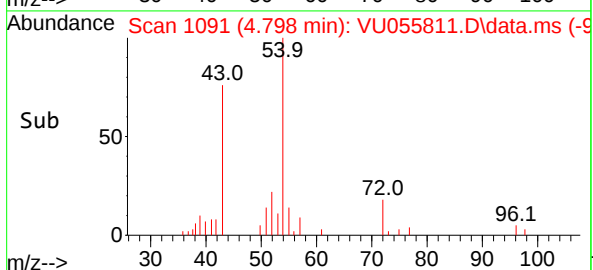
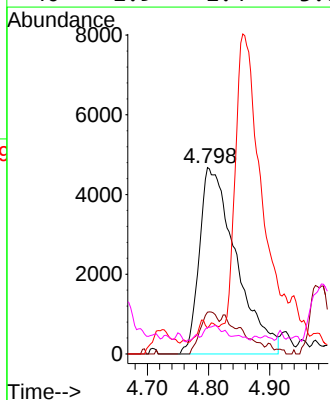
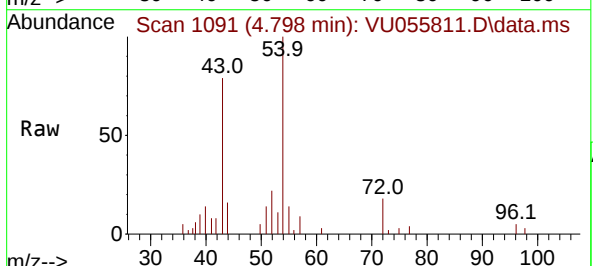
Manual Integrations
APPROVED

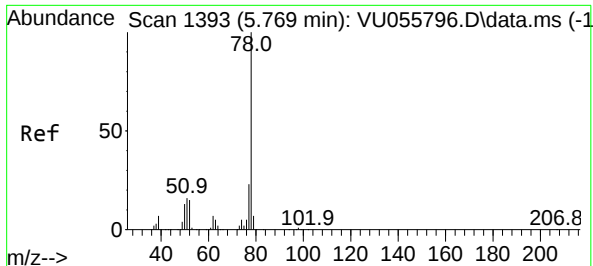
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#34
Propionitrile
Concen: 10.455 ug/l
RT: 4.798 min Scan# 1091
Delta R.T. 0.016 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

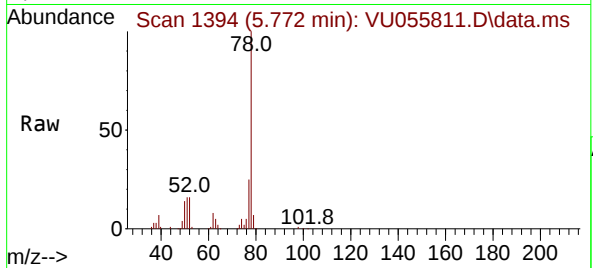
Tgt Ion: 54 Resp: 19478
Ion Ratio Lower Upper
54 100
52 10.8 17.4 26.0#
55 102.9 104.1 156.1#
40 2.9 2.4 3.6





#35
Benzene
Concen: 1.921 ug/l
RT: 5.772 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

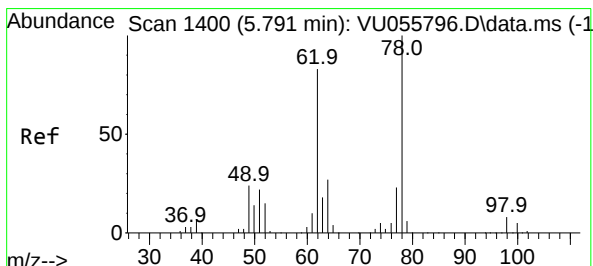
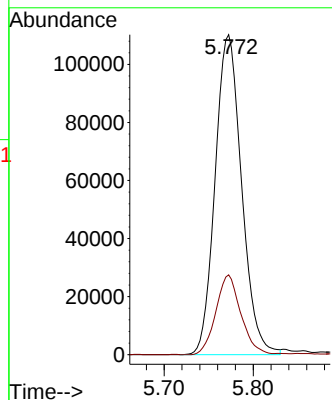
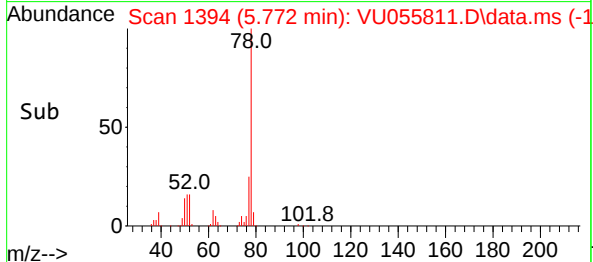
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



Tgt Ion: 78 Resp: 227790
Ion Ratio Lower Upper
78 100
77 24.9 18.9 28.3

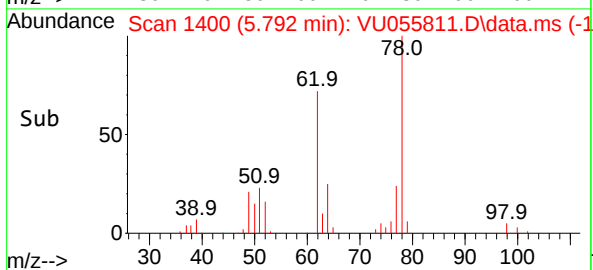
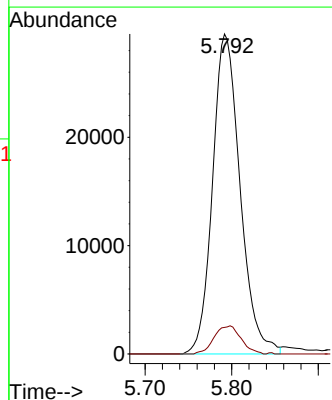
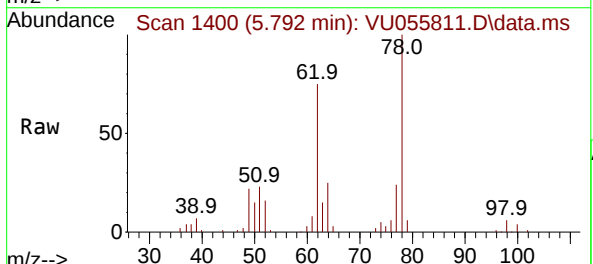
Manual Integrations
APPROVED

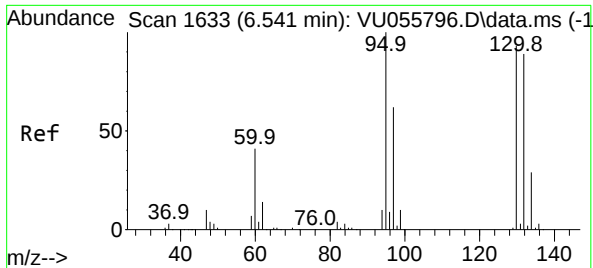
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#36
1,2-Dichloroethane
Concen: 2.025 ug/l
RT: 5.792 min Scan# 1400
Delta R.T. 0.001 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

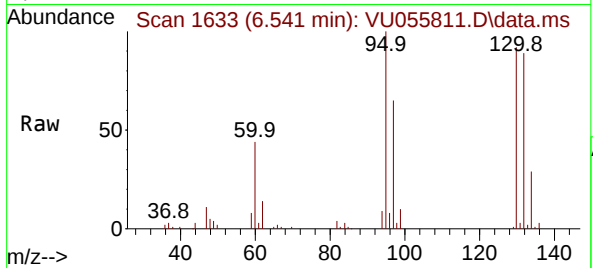
Tgt Ion: 62 Resp: 65225
Ion Ratio Lower Upper
62 100
98 8.6 7.3 10.9





#37
Trichloroethene
Concen: 1.935 ug/l
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

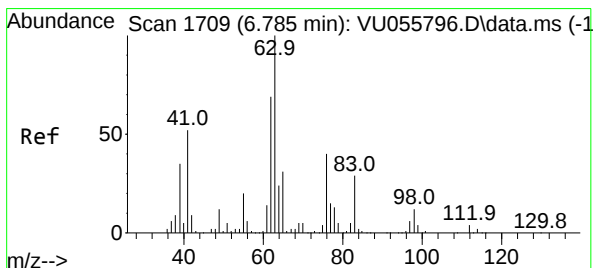
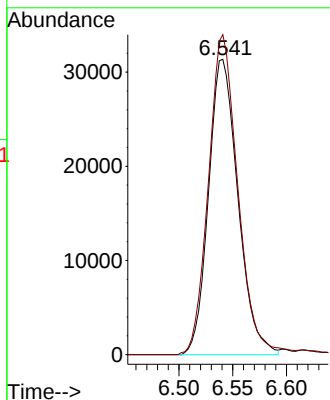
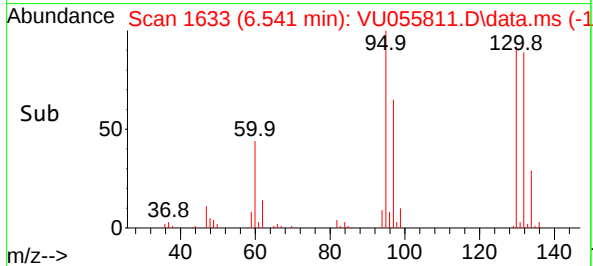
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



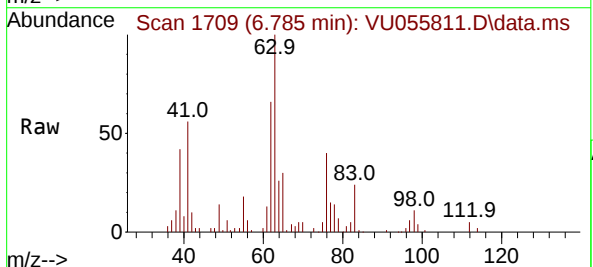
Tgt Ion:130 Resp: 5970
Ion Ratio Lower Upper
130 100
95 108.4 85.0 127.6

Manual Integrations
APPROVED

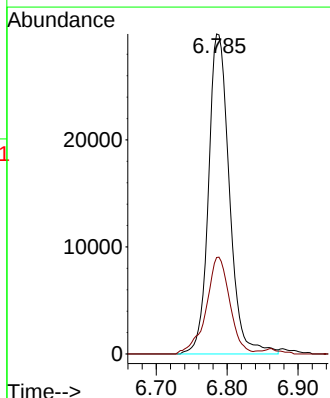
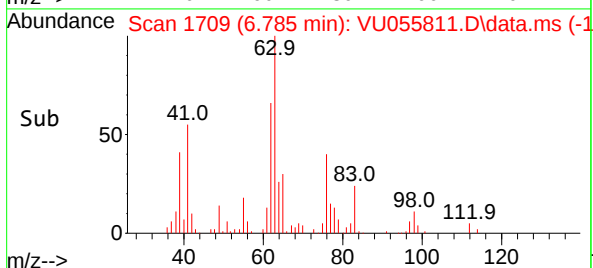
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

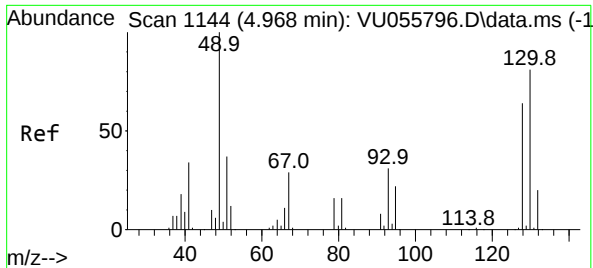


#38
1,2-Dichloropropane
Concen: 1.978 ug/l
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05



Tgt Ion: 63 Resp: 61263
Ion Ratio Lower Upper
63 100
65 29.7 24.9 37.3





#39

Methacrylonitrile

Concen: 2.081 ug/l

RT: 4.985 min Scan# 1149

Delta R.T. 0.017 min

Lab File: VU055811.D

Acq: 19 Oct 2023 16:05

Instrument :

MSVOA_U

ClientSampleId :

VU1019WBSD01

Tgt Ion: 41 Resp: 1445

Ion Ratio Lower Upper

41 100

67 87.0 66.8 100.2

39 55.2 41.2 61.8

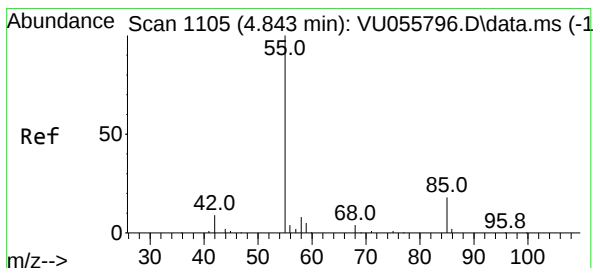
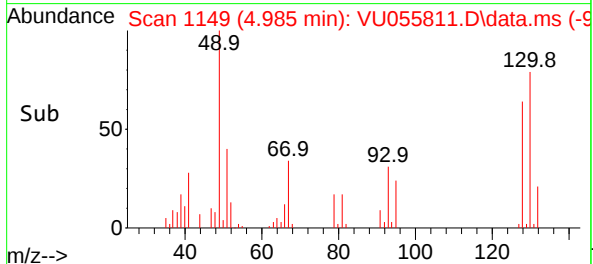
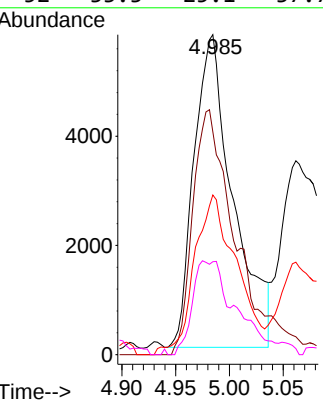
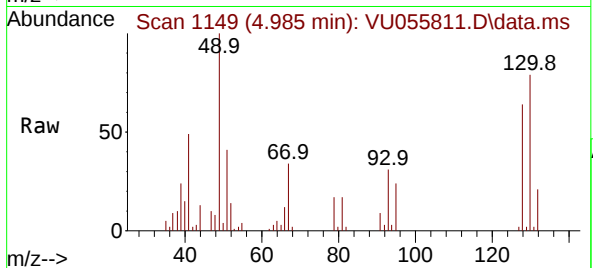
52 33.3 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#40

Methyl acrylate

Concen: 1.882 ug/l

RT: 4.856 min Scan# 1109

Delta R.T. 0.013 min

Lab File: VU055811.D

Acq: 19 Oct 2023 16:05

Tgt Ion: 55 Resp: 20035

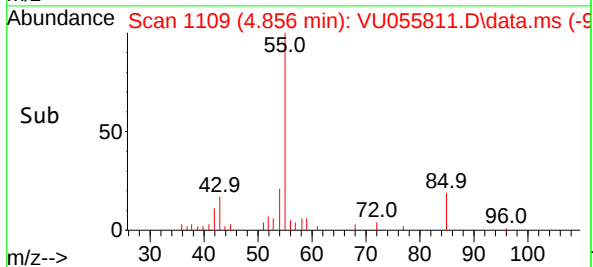
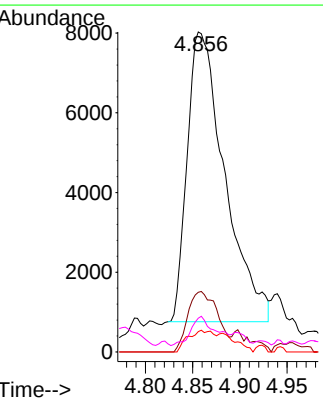
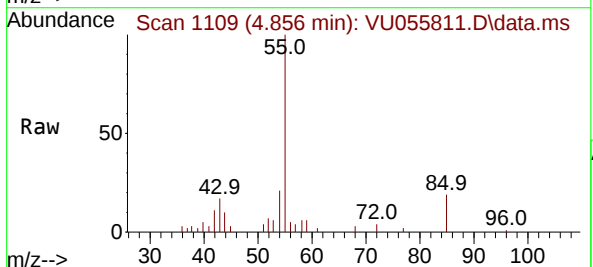
Ion Ratio Lower Upper

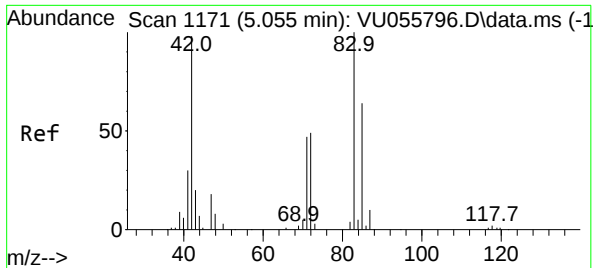
55 100

85 16.5 13.3 19.9

58 5.2 6.5 9.7#

42 6.5 5.9 8.9





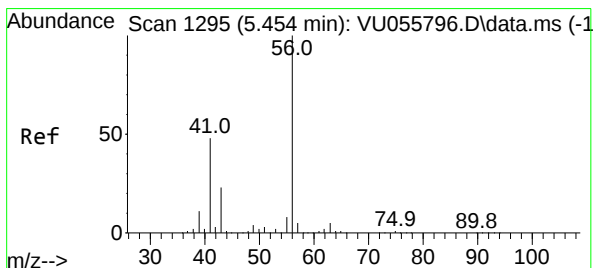
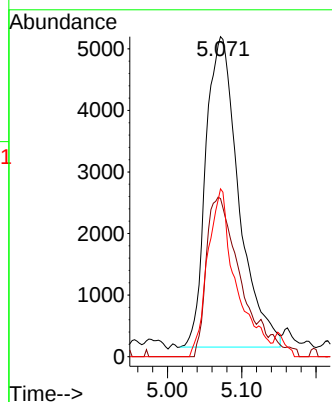
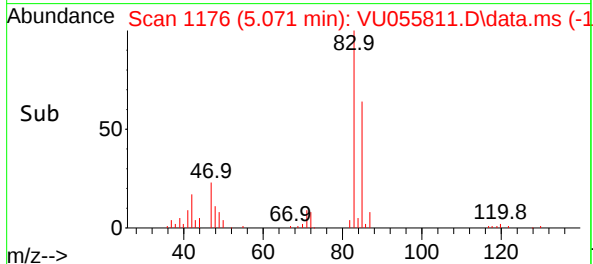
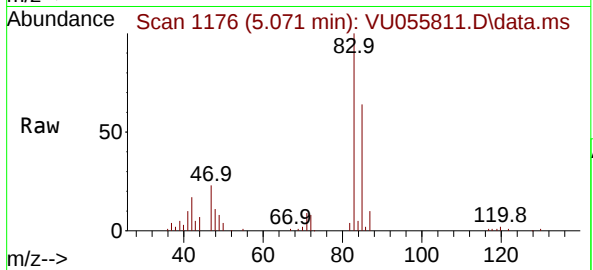
#41
Tetrahydrofuran
Concen: 3.935 ug/l
RT: 5.071 min Scan# 1176
Delta R.T. 0.016 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01

Tgt Ion: 42 Resp: 1549
Ion Ratio Lower Upper
42 100
72 48.6 40.9 61.3
71 46.6 36.9 55.3

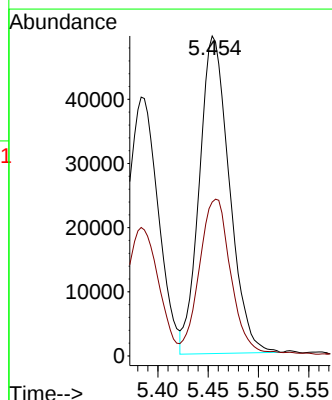
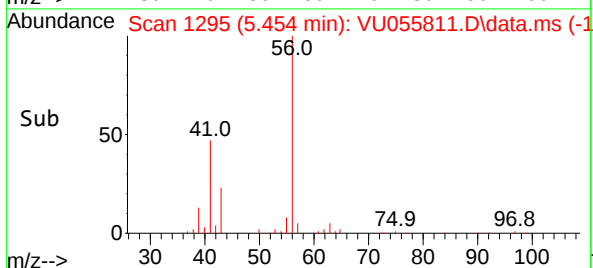
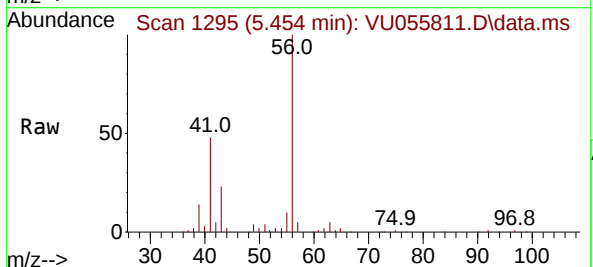
Manual Integrations
APPROVED

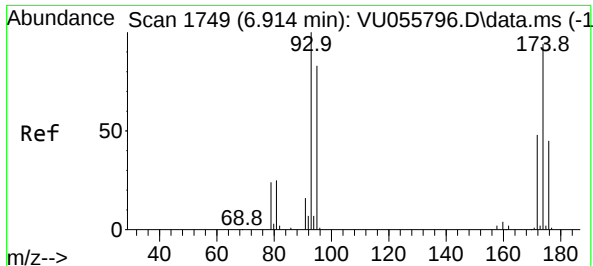
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#42
1-Chlorobutane
Concen: 1.966 ug/l
RT: 5.454 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

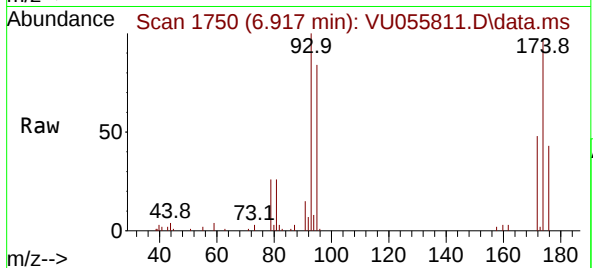
Tgt Ion: 56 Resp: 102634
Ion Ratio Lower Upper
56 100
41 50.4 25.2 75.6





#43
Dibromomethane
Concen: 1.936 ug/l
RT: 6.917 min Scan# 1750
Delta R.T. 0.003 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

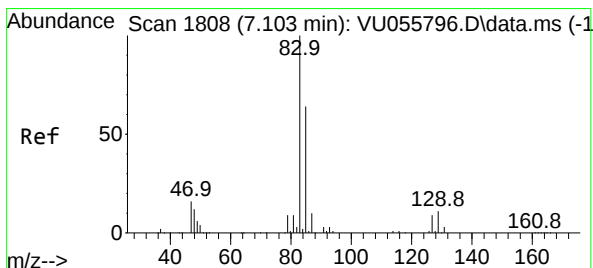
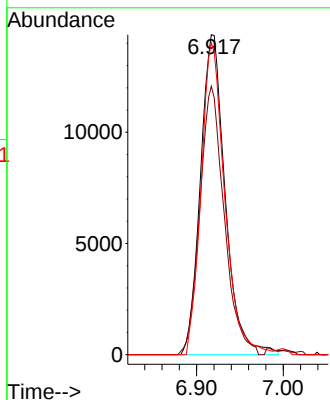
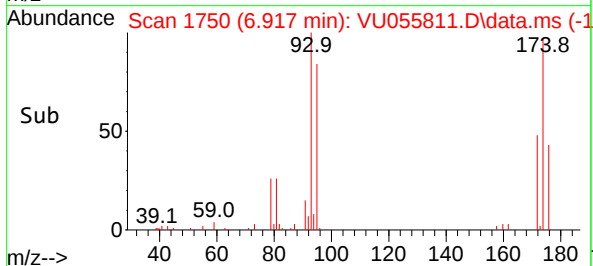
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



Tgt Ion: 93 Resp: 2849
Ion Ratio Lower Upper
93 100
95 82.8 67.0 100.6
174 93.4 73.8 110.6

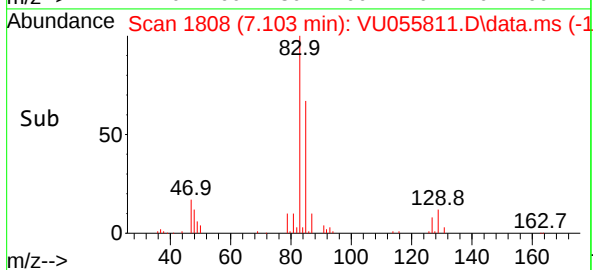
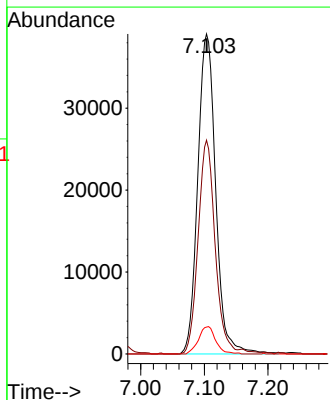
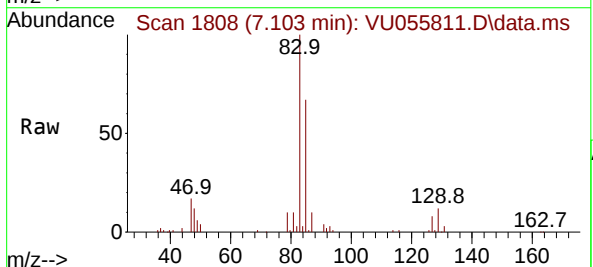
Manual Integrations
APPROVED

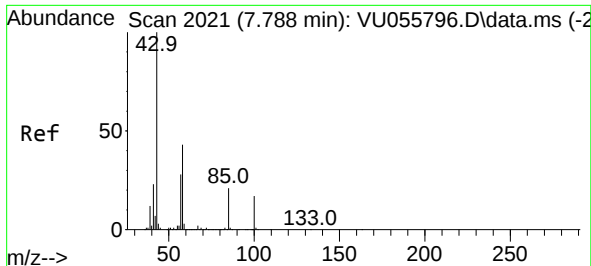
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#44
Bromodichloromethane
Concen: 1.967 ug/l
RT: 7.103 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Tgt Ion: 83 Resp: 76526
Ion Ratio Lower Upper
83 100
85 66.8 51.9 77.9
127 9.4 6.7 10.1





#45

4-Methyl-2-Pentanone

Concen: 9.810 ug/l

RT: 7.792 min Scan# 2021

Delta R.T. 0.004 min

Lab File: VU055811.D

Acq: 19 Oct 2023 16:05

Instrument :

MSVOA_U

ClientSampleId :

VU1019WBSD01

Tgt Ion: 43 Resp: 149339

Ion Ratio Lower Upper

43 100

58 41.1 20.9 62.8

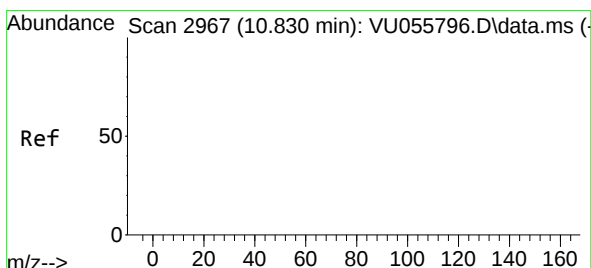
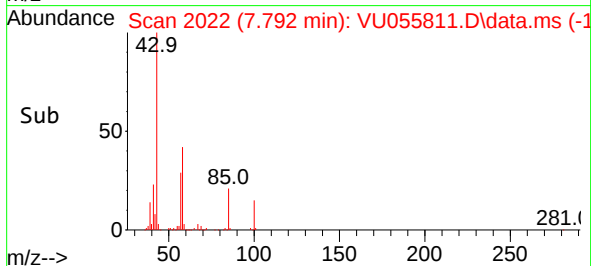
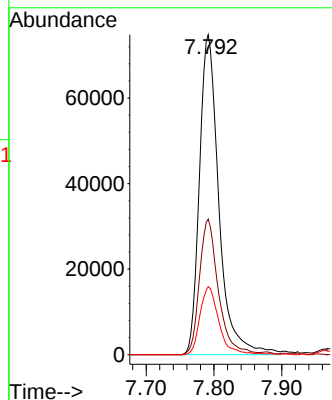
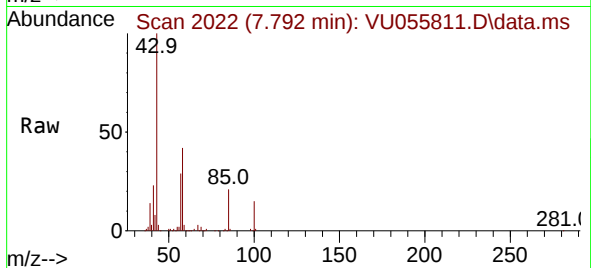
85 20.6 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#46

t-1,4-Dichloro-2-butene

Concen: 3.590 ug/l m

RT: 10.830 min Scan# 2967

Delta R.T. -0.000 min

Lab File: VU055811.D

Acq: 19 Oct 2023 16:05

Tgt Ion: 75 Resp: 21739

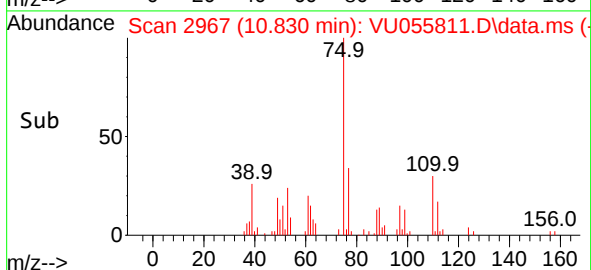
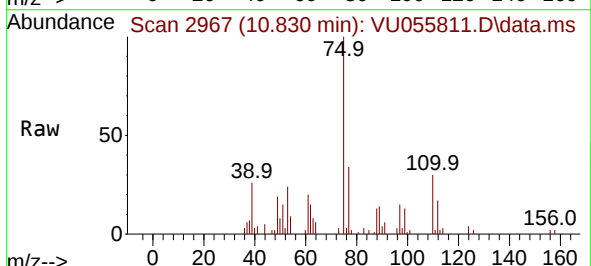
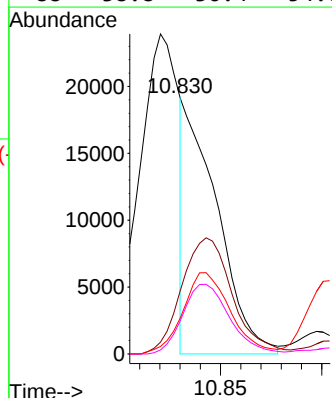
Ion Ratio Lower Upper

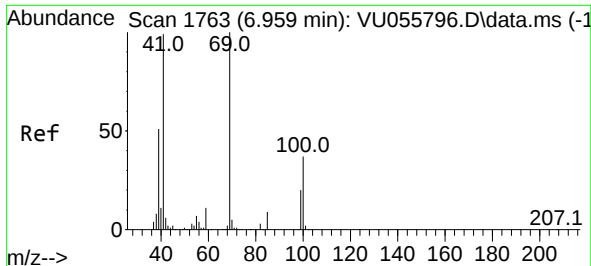
75 100

53 69.8 73.3 109.9#

89 45.6 48.2 72.4#

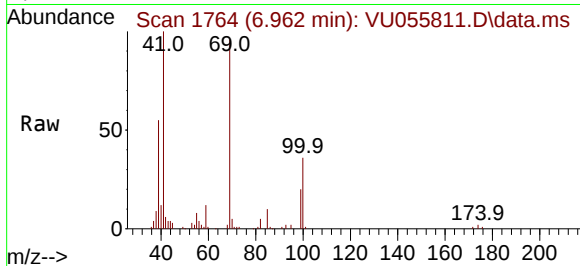
88 38.8 36.4 54.6





#47
Methyl methacrylate
Concen: 3.972 ug/l
RT: 6.962 min Scan# 1764
Delta R.T. 0.003 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

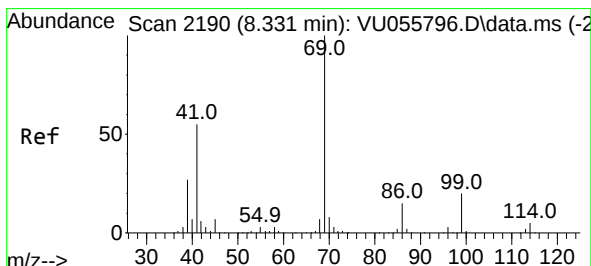
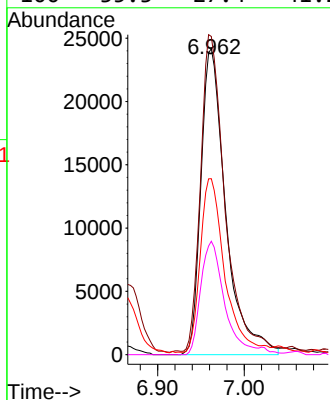
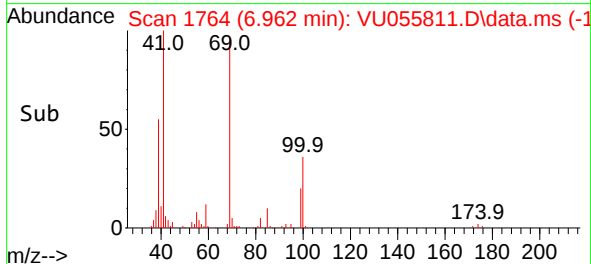
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



Tgt Ion: 69 Resp: 48230
Ion Ratio Lower Upper
69 100
41 102.7 0.0 209.2
39 55.8 46.7 70.1
100 35.3 27.4 41.2

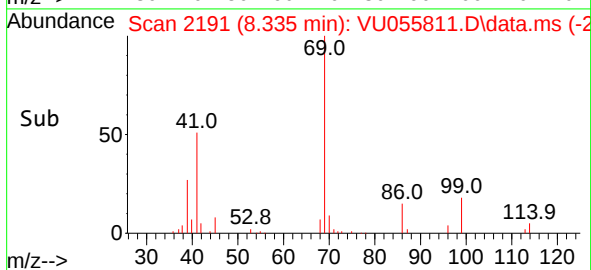
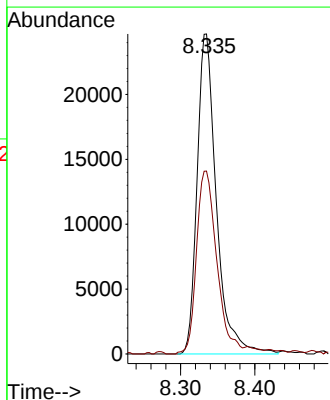
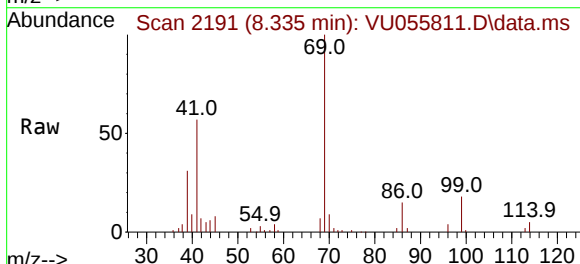
Manual Integrations
APPROVED

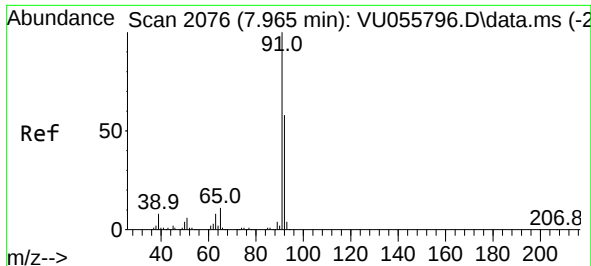
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#48
Ethyl methacrylate
Concen: 2.021 ug/l
RT: 8.335 min Scan# 2191
Delta R.T. 0.004 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Tgt Ion: 69 Resp: 44490
Ion Ratio Lower Upper
69 100
41 60.1 30.3 90.8





#49

Toluene

Concen: 1.990 ug/l

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU055811.D

Acq: 19 Oct 2023 16:05

Instrument :

MSVOA_U

ClientSampleId :

VU1019WBSD01

Tgt Ion: 92 Resp: 139680

Ion Ratio Lower Upper

92 100

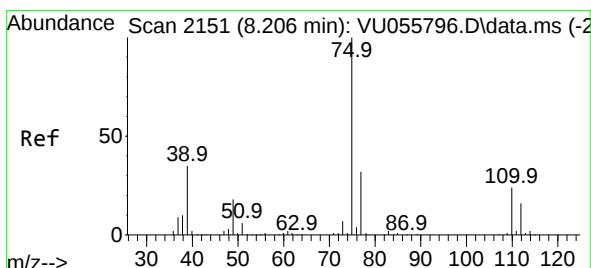
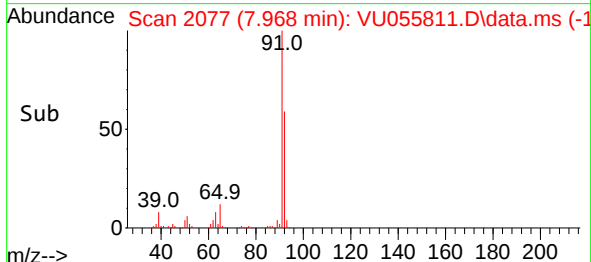
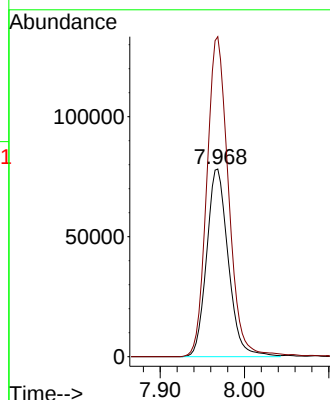
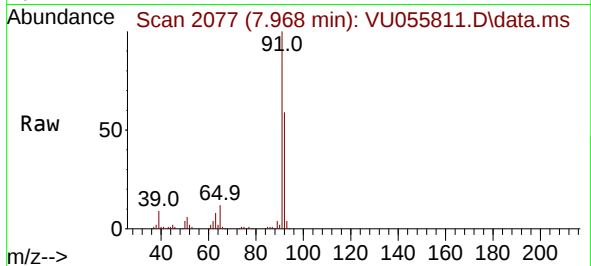
91 171.0 143.0 214.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#50

t-1,3-Dichloropropene

Concen: 1.916 ug/l

RT: 8.210 min Scan# 2152

Delta R.T. 0.004 min

Lab File: VU055811.D

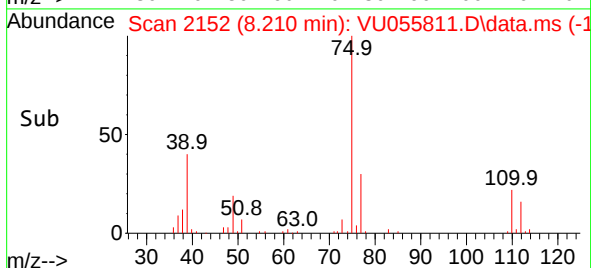
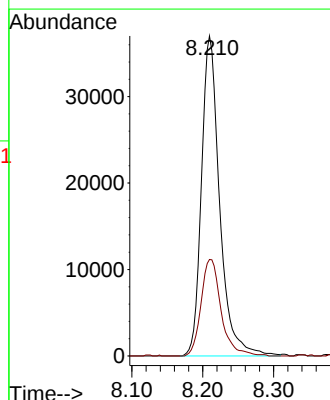
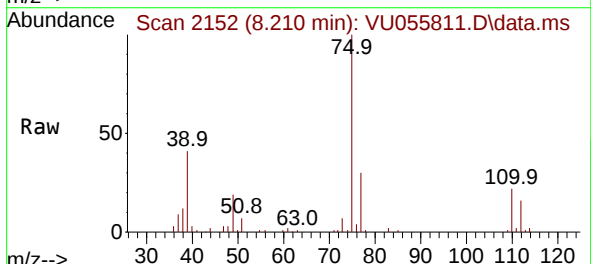
Acq: 19 Oct 2023 16:05

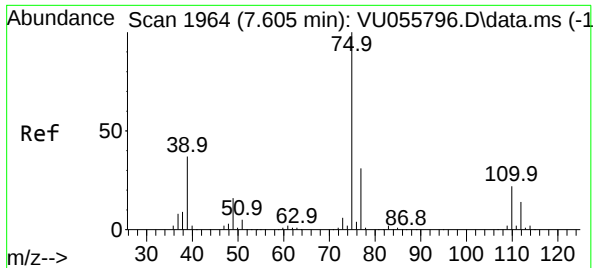
Tgt Ion: 75 Resp: 65963

Ion Ratio Lower Upper

75 100

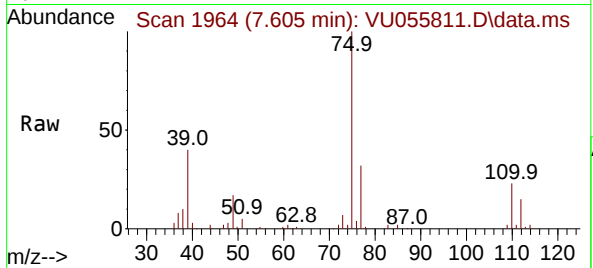
77 30.1 25.3 37.9





#51
 cis-1,3-Dichloropropene
 Concen: 1.945 ug/l
 RT: 7.605 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VU055811.D
 Acq: 19 Oct 2023 16:05

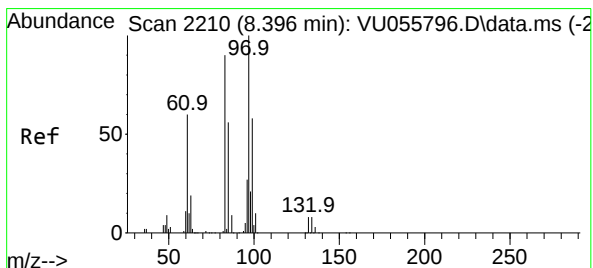
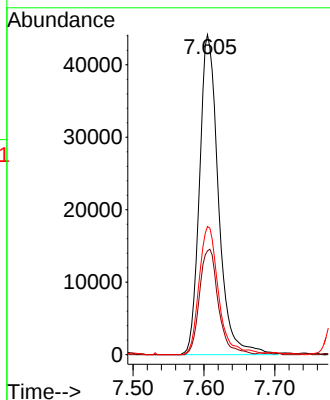
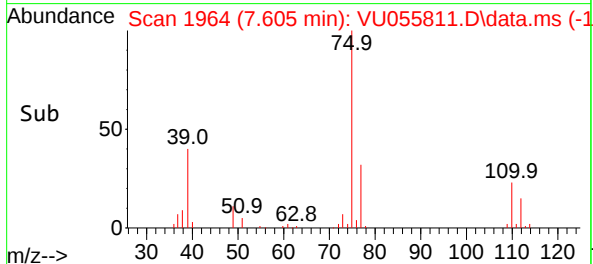
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1019WBSD01



Tgt Ion: 75 Resp: 81954
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.7 38.5
 39 39.5 32.8 49.2

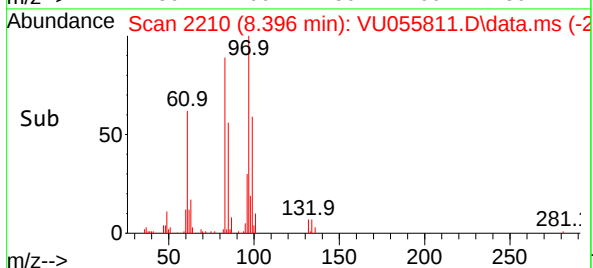
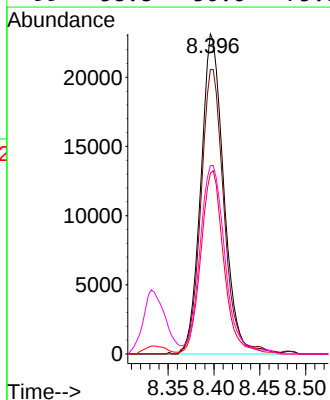
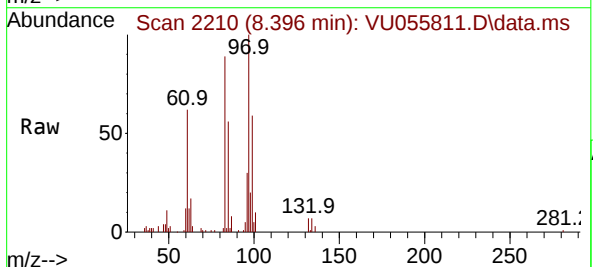
Manual Integrations
 APPROVED

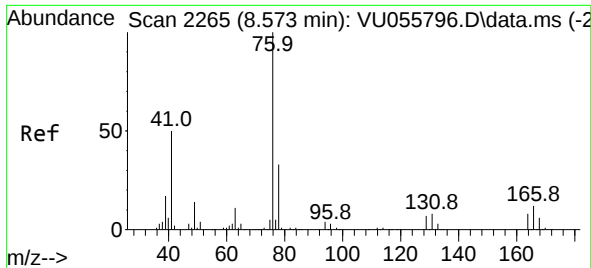
Reviewed By :John Carlone 10/20/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#52
 1,1,2-Trichloroethane
 Concen: 1.915 ug/l
 RT: 8.396 min Scan# 2210
 Delta R.T. 0.000 min
 Lab File: VU055811.D
 Acq: 19 Oct 2023 16:05

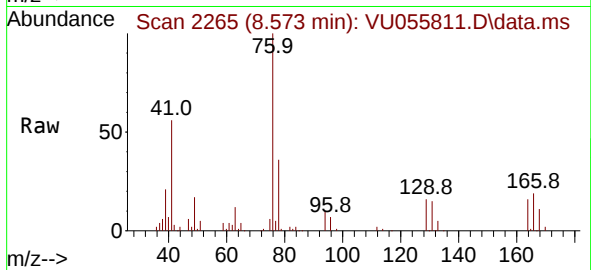
Tgt Ion: 97 Resp: 40263
 Ion Ratio Lower Upper
 97 100
 83 88.9 71.8 107.8
 85 56.0 45.2 67.8
 99 58.8 50.6 75.8





#53
1,3-Dichloropropane
Concen: 1.890 ug/l
RT: 8.573 min Scan# 2101
Delta R.T. -0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

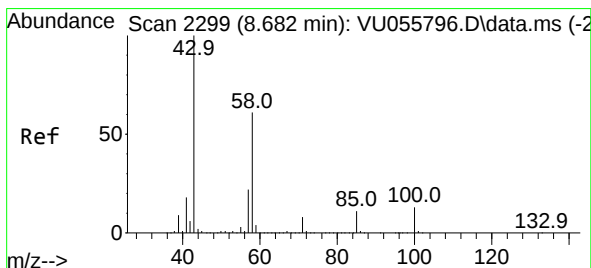
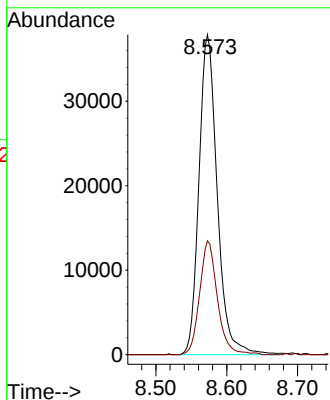
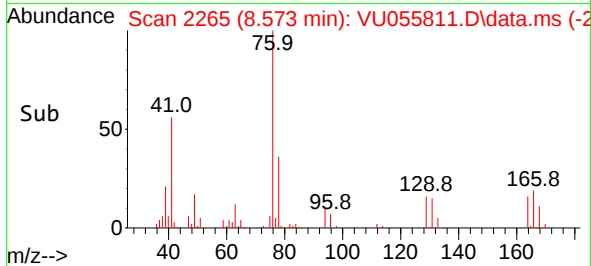
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



Tgt Ion: 76 Resp: 67920
Ion Ratio Lower Upper
76 100
78 34.4 25.9 38.9

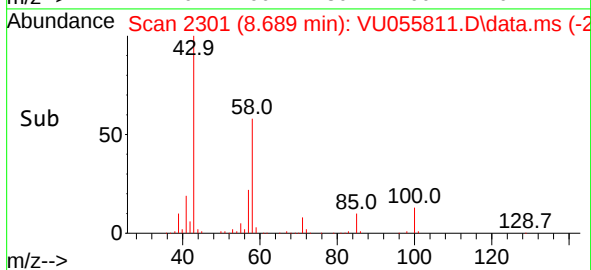
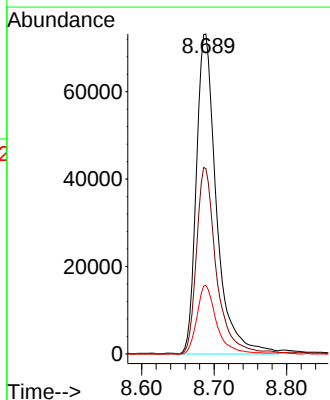
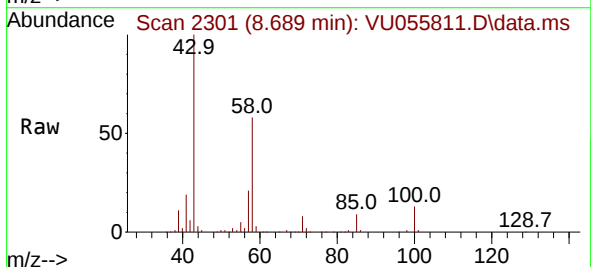
Manual Integrations
APPROVED

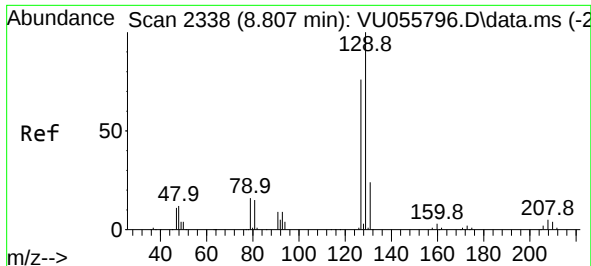
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#54
2-Hexanone
Concen: 8.303 ug/l
RT: 8.689 min Scan# 2301
Delta R.T. 0.007 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

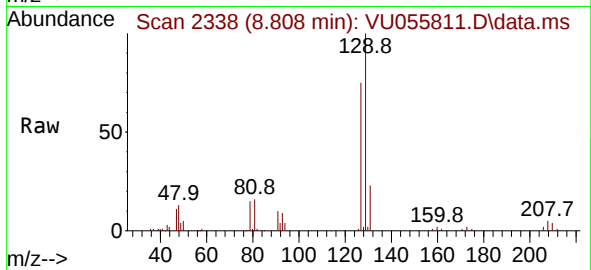
Tgt Ion: 43 Resp: 141608
Ion Ratio Lower Upper
43 100
58 56.9 38.2 78.2
57 20.9 0.0 39.1





#55
Dibromochloromethane
Concen: 1.951 ug/l
RT: 8.808 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

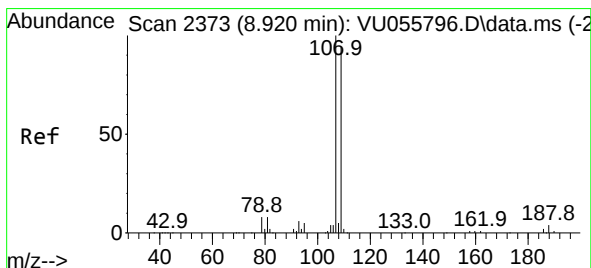
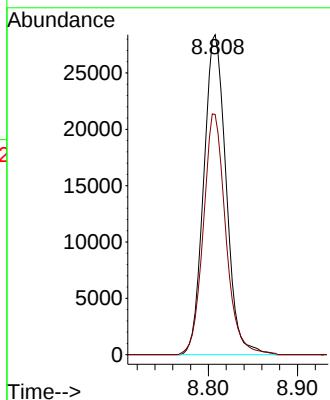
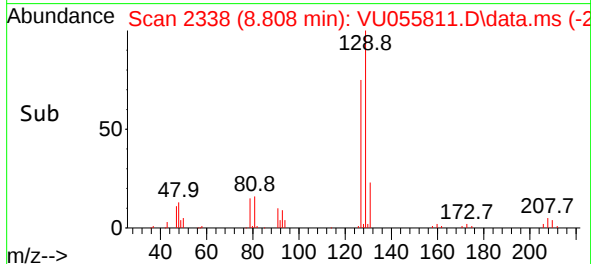
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



Tgt Ion:129 Resp: 49500
Ion Ratio Lower Upper
129 100
127 75.5 61.4 92.0

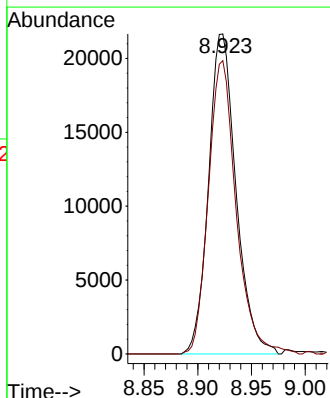
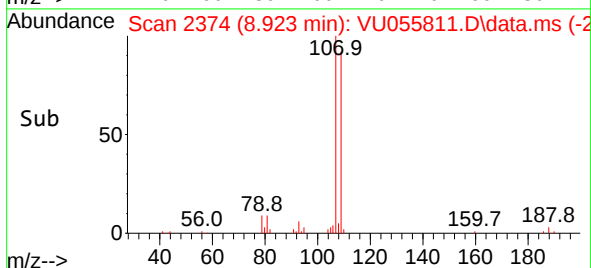
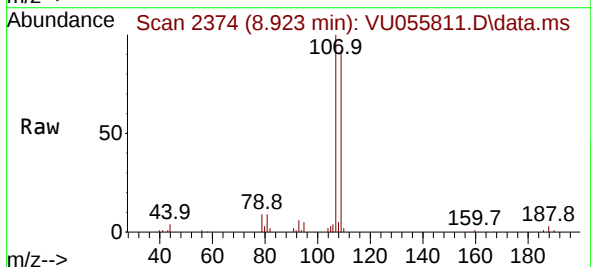
Manual Integrations
APPROVED

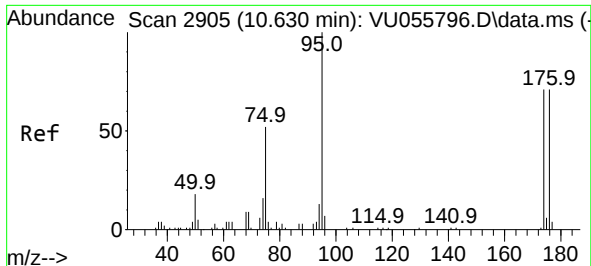
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#56
1,2-Dibromoethane
Concen: 2.008 ug/l
RT: 8.923 min Scan# 2374
Delta R.T. 0.003 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

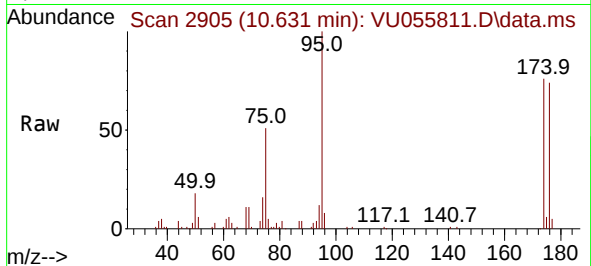
Tgt Ion:107 Resp: 38567
Ion Ratio Lower Upper
107 100
109 92.6 0.0 184.4





#57
4-Bromofluorobenzene
Concen: 0.948 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.001 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

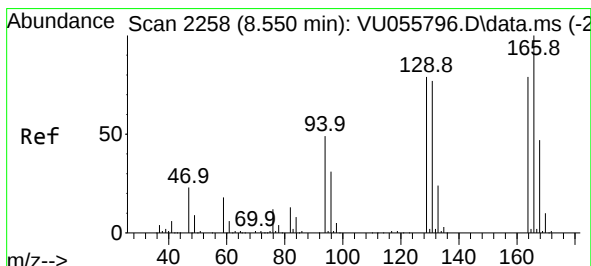
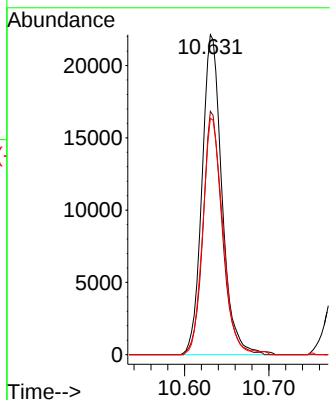
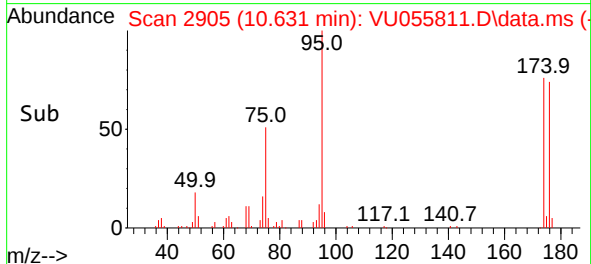
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



Tgt Ion: 95 Resp: 3654
Ion Ratio Lower Upper
95 100
174 73.4 63.3 94.9
176 74.7 59.3 88.9

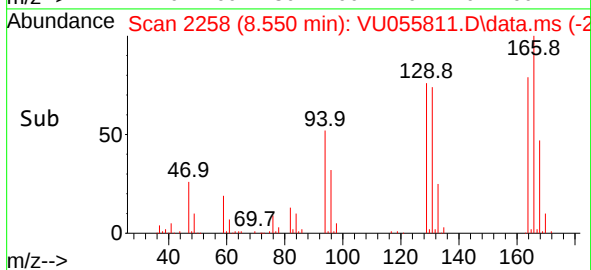
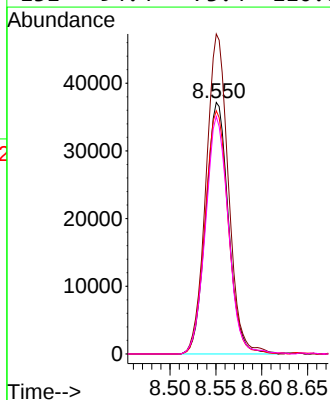
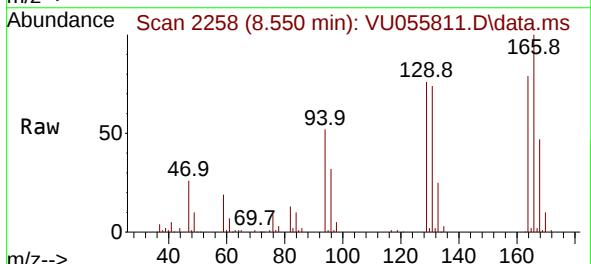
Manual Integrations
APPROVED

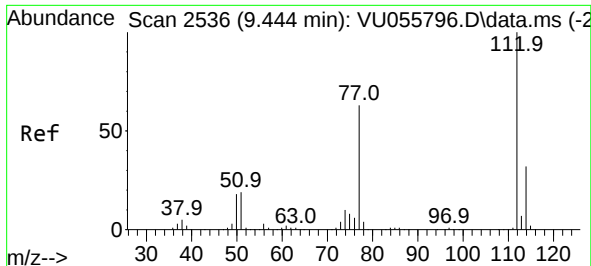
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#58
Tetrachloroethene
Concen: 1.993 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

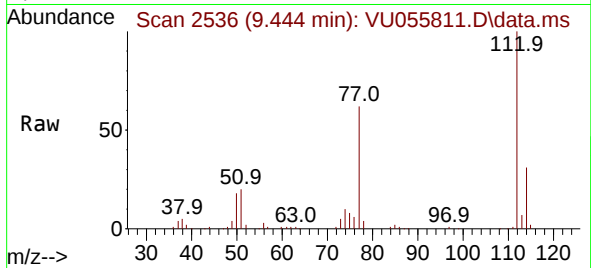
Tgt Ion:164 Resp: 63947
Ion Ratio Lower Upper
164 100
166 127.3 99.6 149.4
129 96.7 78.6 117.8
131 94.4 73.4 110.0





#59
Chlorobenzene
Concen: 1.992 ug/l
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

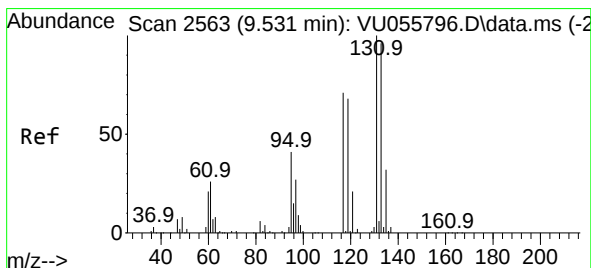
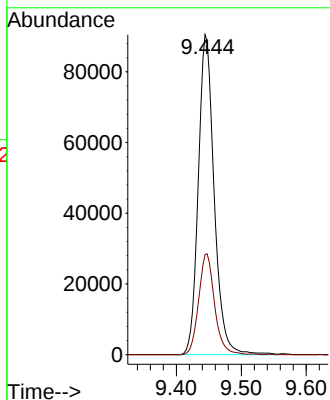
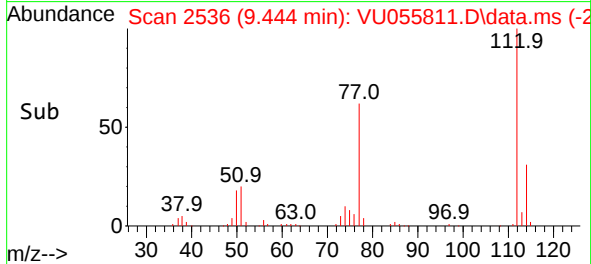
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



Tgt Ion:112 Resp: 15438
Ion Ratio Lower Upper
112 100
114 31.3 25.6 38.4

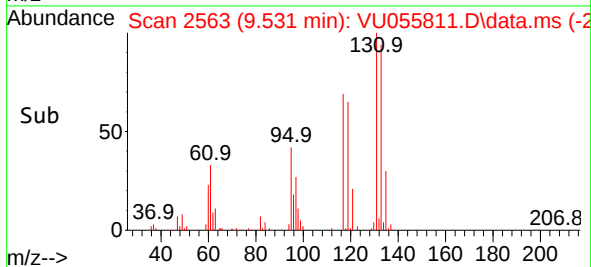
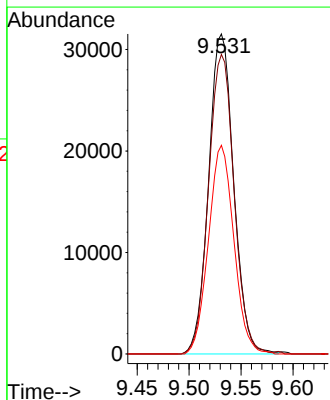
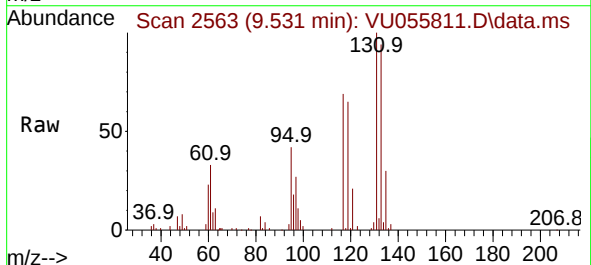
Manual Integrations
APPROVED

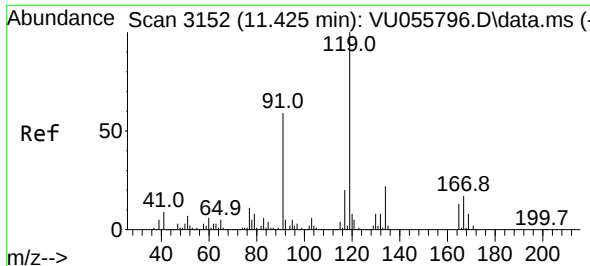
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 1.920 ug/l
RT: 9.531 min Scan# 2563
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Tgt Ion:131 Resp: 53058
Ion Ratio Lower Upper
131 100
133 95.1 77.8 116.6
119 65.9 55.2 82.8





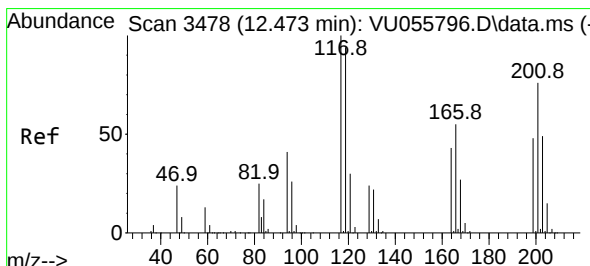
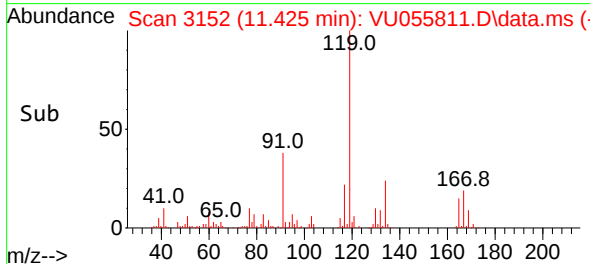
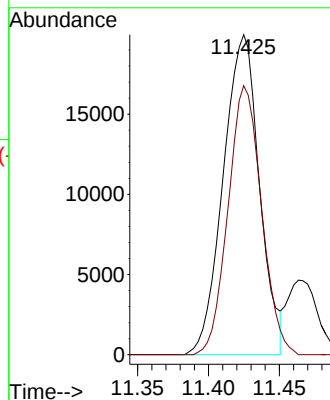
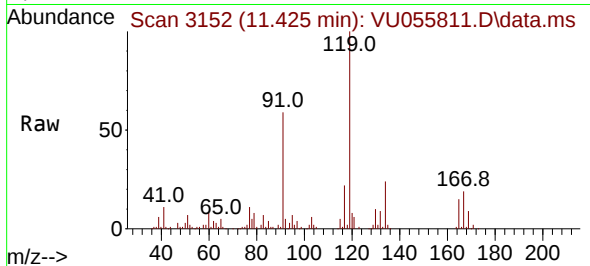
#61
Pentachloroethane
Concen: 1.896 ug/l
RT: 11.425 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01

Tgt Ion:117 Resp: 3545
Ion Ratio Lower Upper
117 100
167 77.7 56.7 85.1

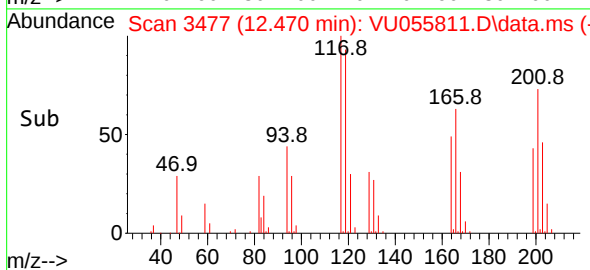
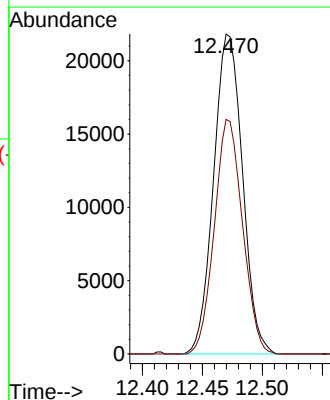
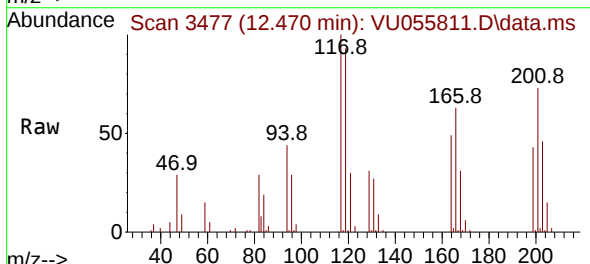
Manual Integrations
APPROVED

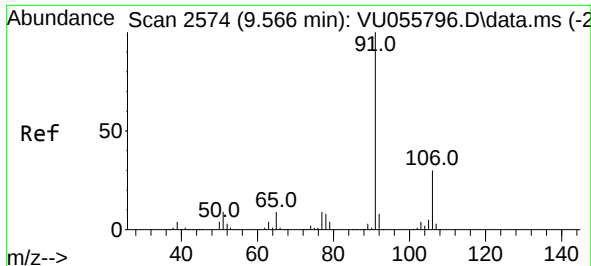
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#62
Hexachloroethane
Concen: 1.985 ug/l
RT: 12.470 min Scan# 3477
Delta R.T. -0.003 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Tgt Ion:117 Resp: 36587
Ion Ratio Lower Upper
117 100
201 71.3 59.6 89.4





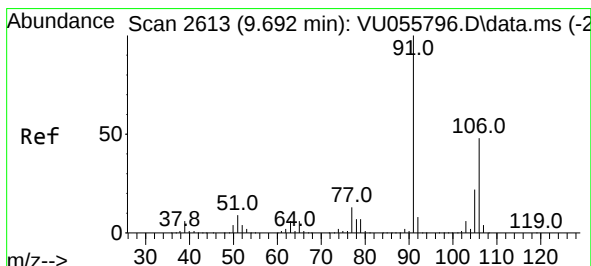
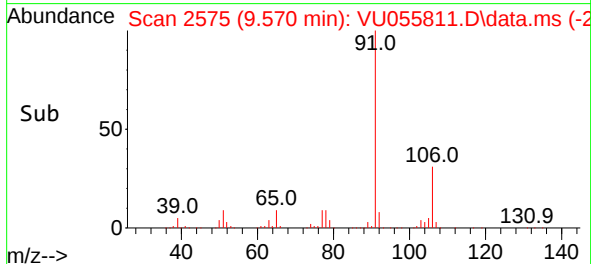
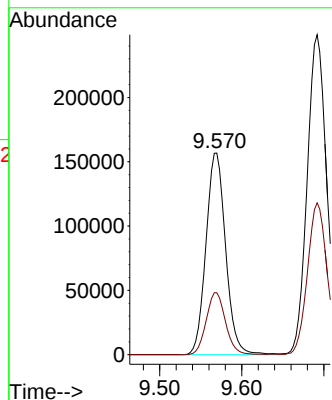
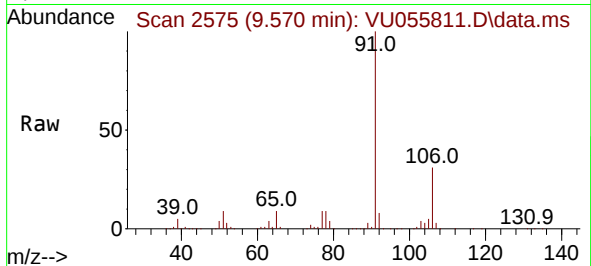
#63
Ethyl Benzene
Concen: 1.986 ug/l
RT: 9.570 min Scan# 26127
Delta R.T. 0.004 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01

Tgt Ion: 91 Resp: 26127
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.2

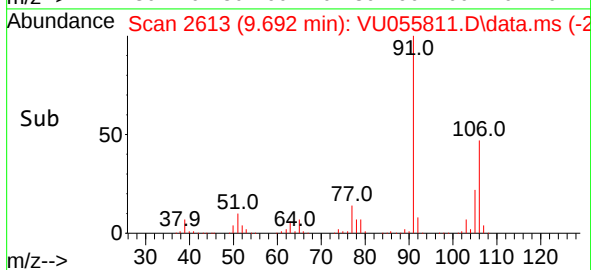
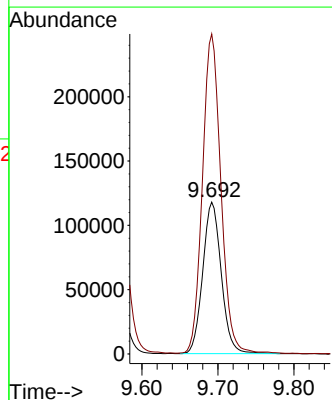
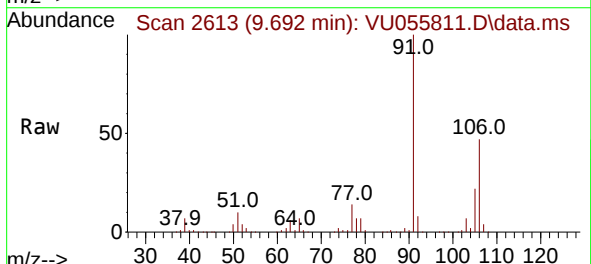
Manual Integrations
APPROVED

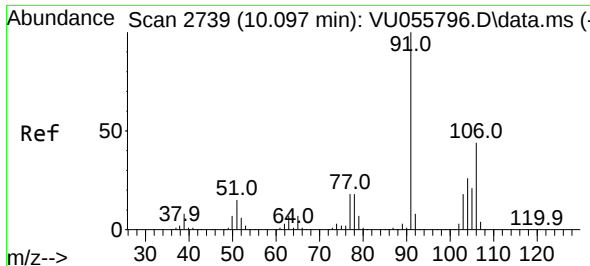
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#64
m/p-Xylenes
Concen: 3.944 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Tgt Ion:106 Resp: 199467
Ion Ratio Lower Upper
106 100
91 208.6 167.3 250.9





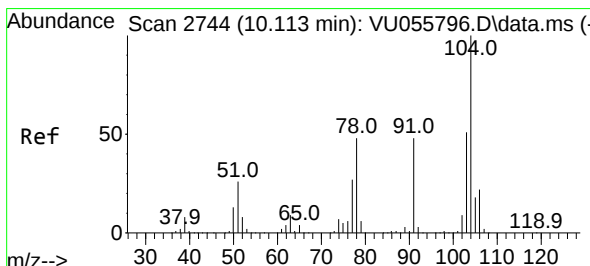
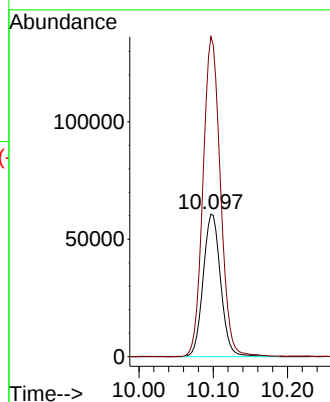
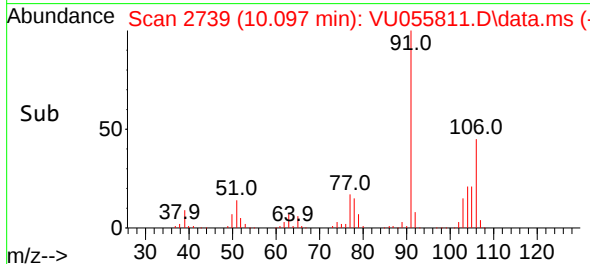
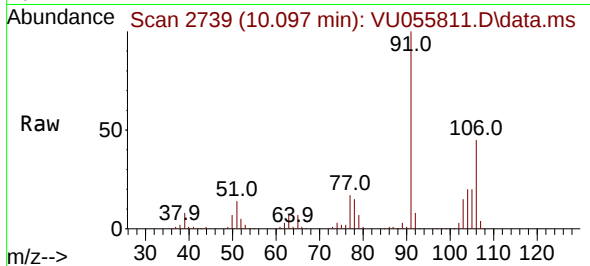
#65
o-Xylene
Concen: 2.001 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01

Tgt Ion:106 Resp: 9931
Ion Ratio Lower Upper
106 100
91 224.7 109.3 327.9

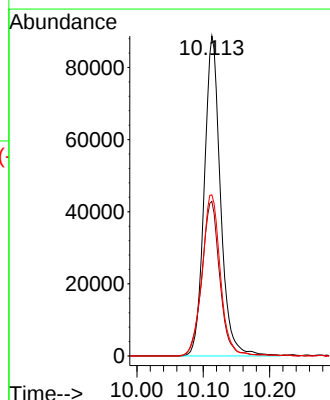
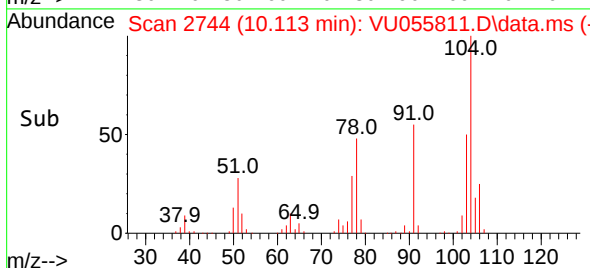
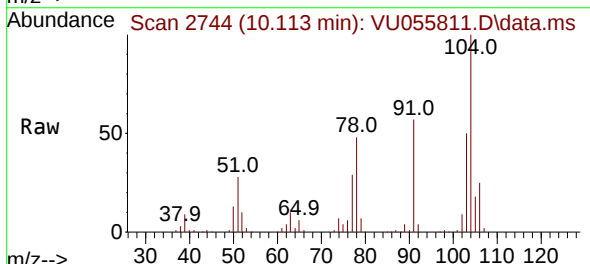
Manual Integrations
APPROVED

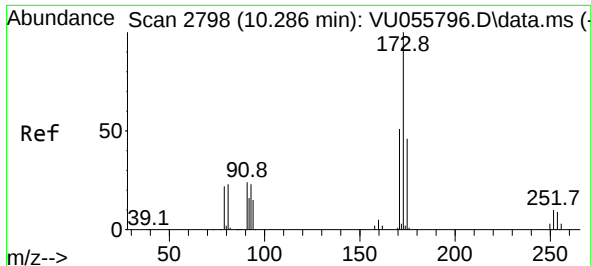
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#66
Styrene
Concen: 1.946 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Tgt Ion:104 Resp: 151025
Ion Ratio Lower Upper
104 100
78 53.0 39.7 59.5
103 56.3 44.8 67.2





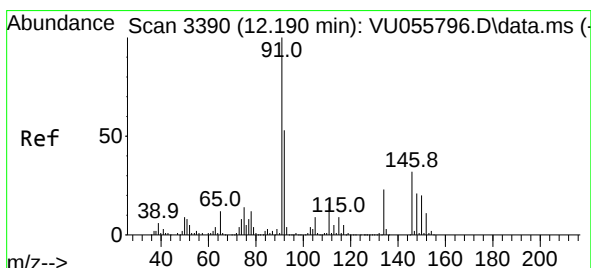
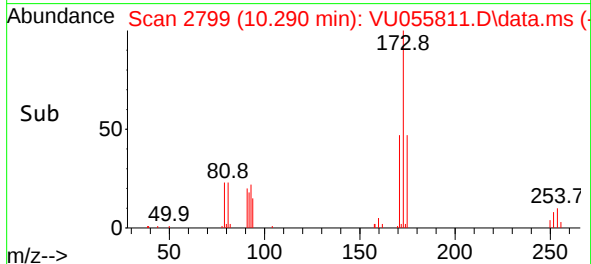
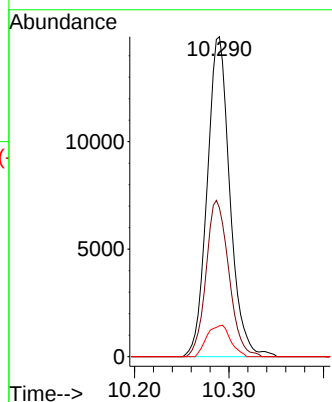
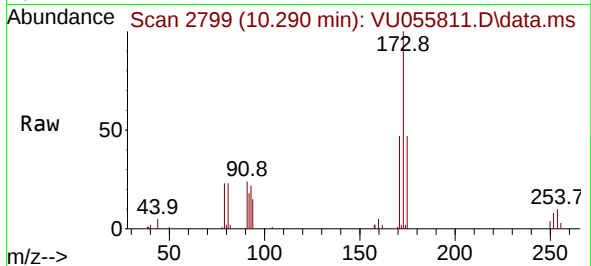
#67
Bromoform
Concen: 1.821 ug/l
RT: 10.290 min Scan# 2798
Delta R.T. 0.004 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01

Tgt Ion:173 Resp: 2482
Ion Ratio Lower Upper
173 100
175 48.9 39.0 58.6
254 10.2 7.4 11.0

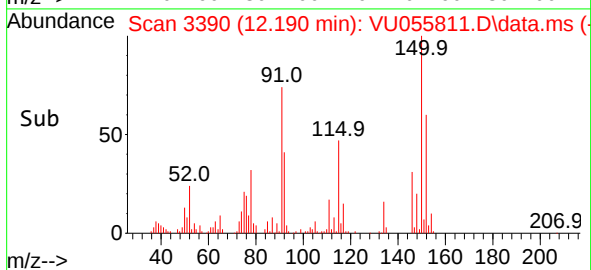
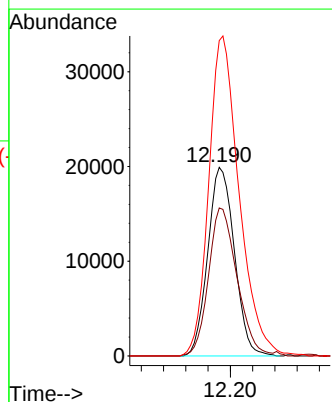
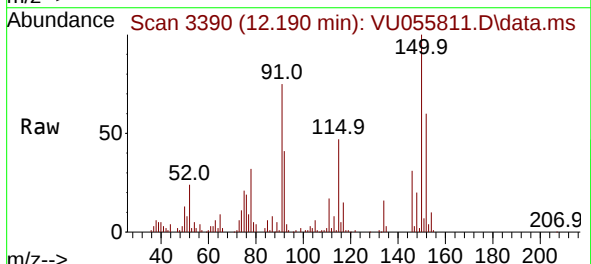
Manual Integrations
APPROVED

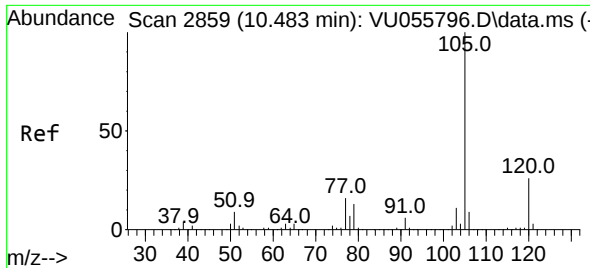
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#68
1,2-Dichlorobenzene-d4
Concen: 0.924 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

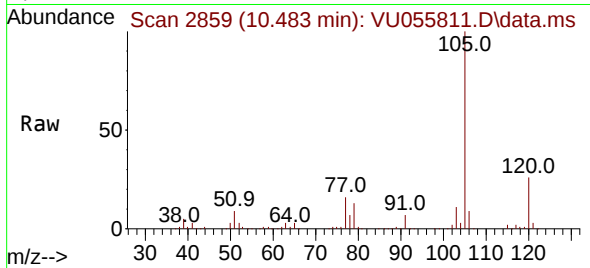
Tgt Ion:152 Resp: 33037
Ion Ratio Lower Upper
152 100
115 84.5 0.0 308.8
150 193.6 0.0 635.0





#69
Isopropylbenzene
Concen: 1.999 ug/l
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

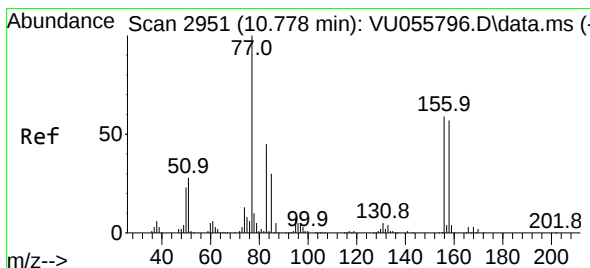
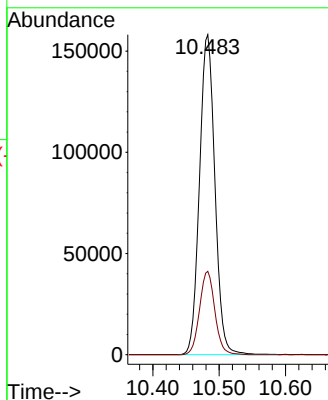
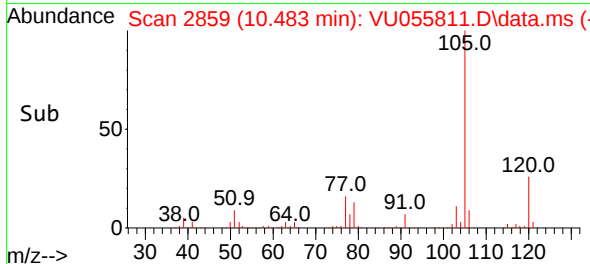
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



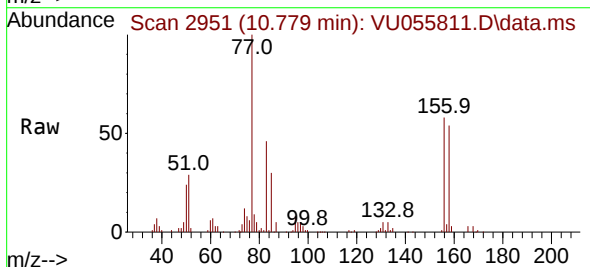
Tgt Ion:105 Resp: 255340
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.4

Manual Integrations
APPROVED

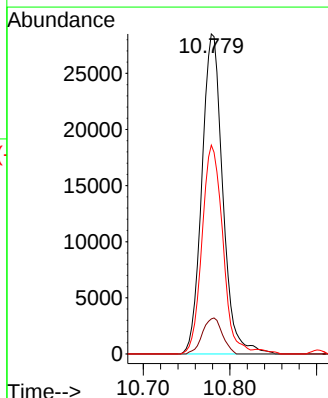
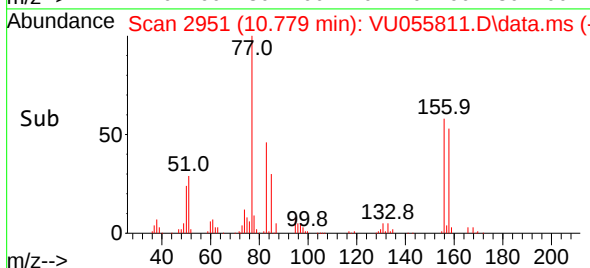
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

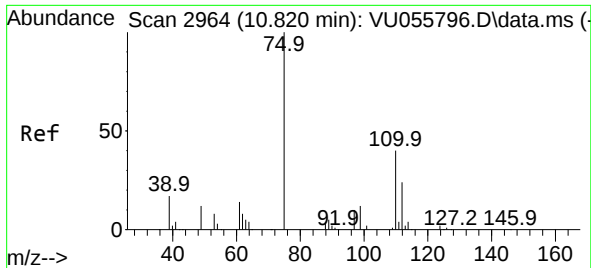


#70
1,1,2,2-Tetrachloroethane
Concen: 1.942 ug/l
RT: 10.779 min Scan# 2951
Delta R.T. 0.001 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05



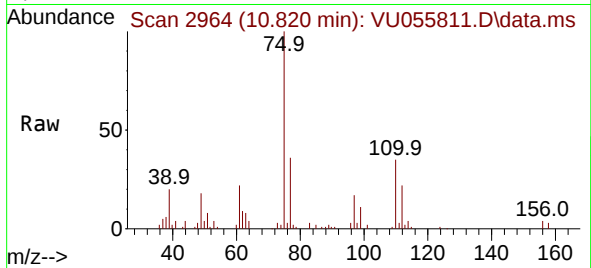
Tgt Ion: 83 Resp: 47740
Ion Ratio Lower Upper
83 100
131 10.7 7.2 10.8
85 64.9 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 1.768 ug/l m
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

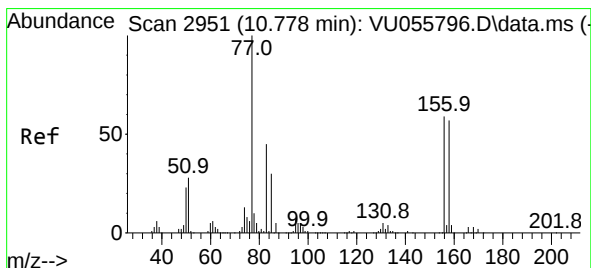
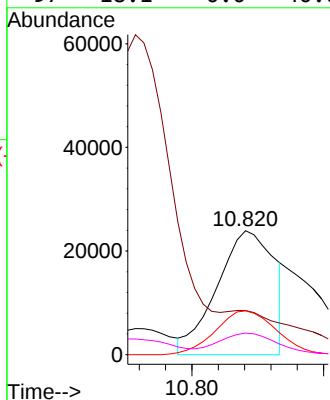
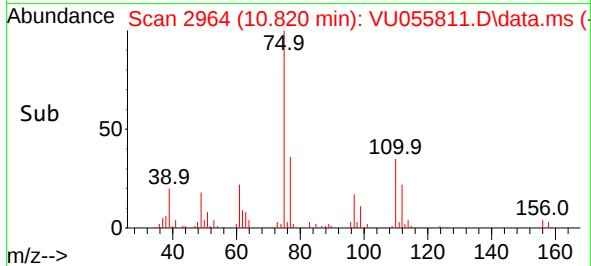
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



Tgt Ion:	75	Resp:	3602
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	116.4
110	38.0	0.0	74.6
97	18.1	0.0	40.0

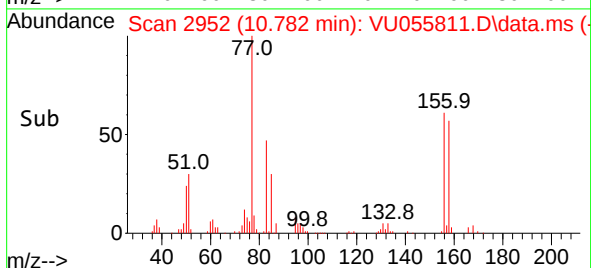
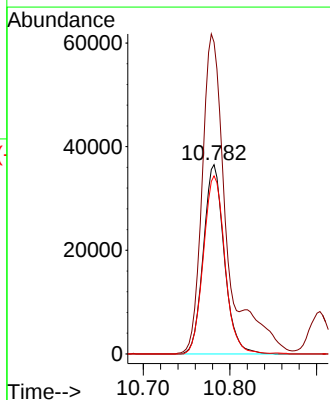
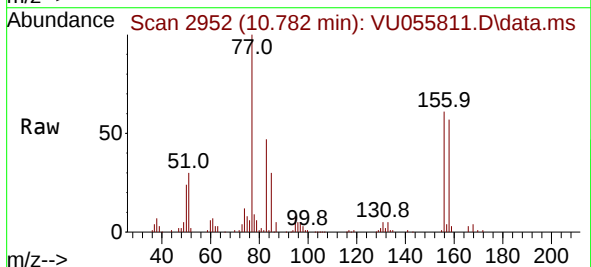
Manual Integrations
APPROVED

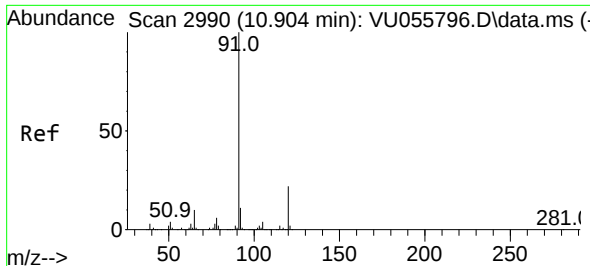
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#72
Bromobenzene
Concen: 2.005 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.004 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

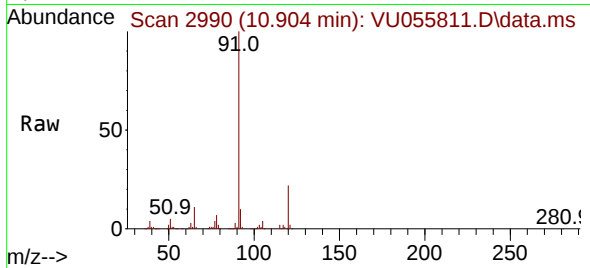
Tgt Ion:	156	Resp:	61120
Ion Ratio	Lower	Upper	
156	100		
77	171.8	0.0	343.0
158	96.8	0.0	194.8





#73
n-propylbenzene
Concen: 1.970 ug/l
RT: 10.904 min Scan# 2990
Delta R.T. -0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

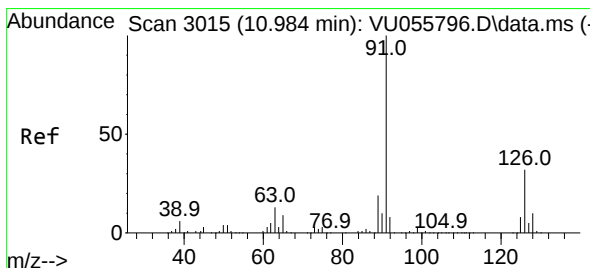
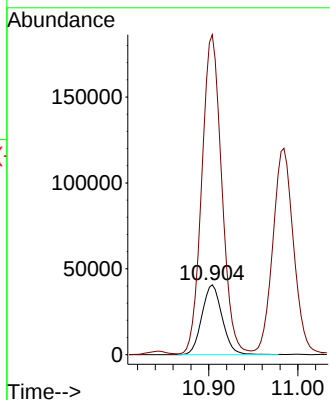
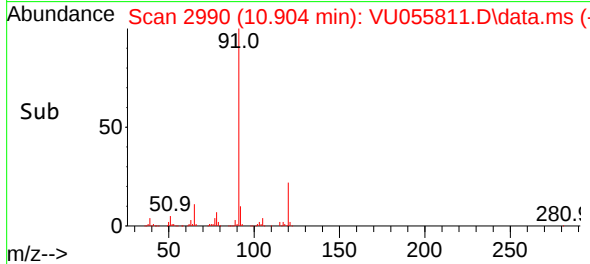
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



Tgt Ion:120 Resp: 64130
Ion Ratio Lower Upper
120 100
91 449.1 369.8 554.6

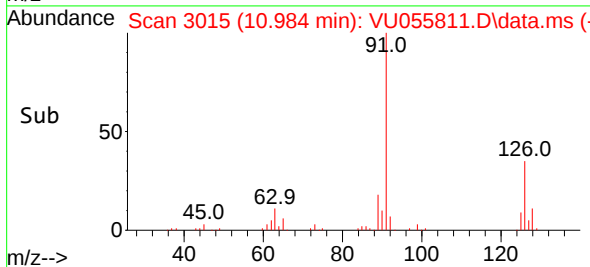
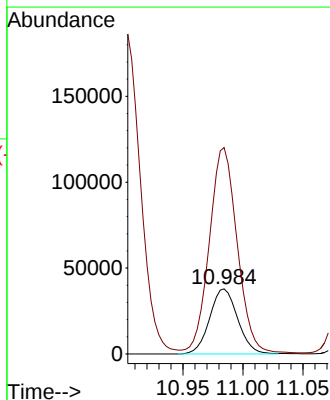
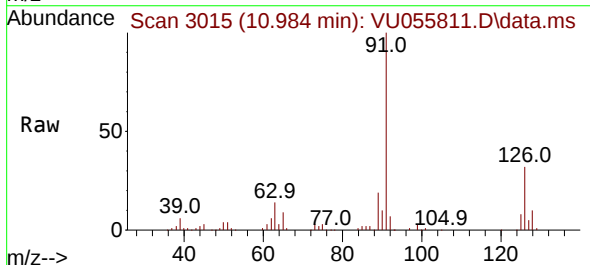
Manual Integrations
APPROVED

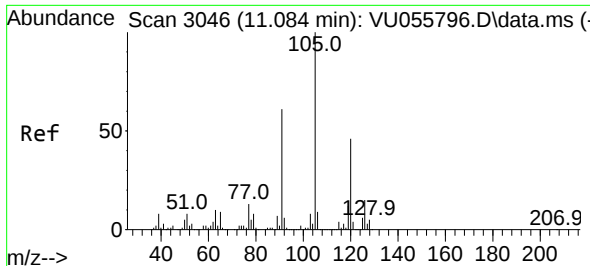
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#74
2-Chlorotoluene
Concen: 2.007 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

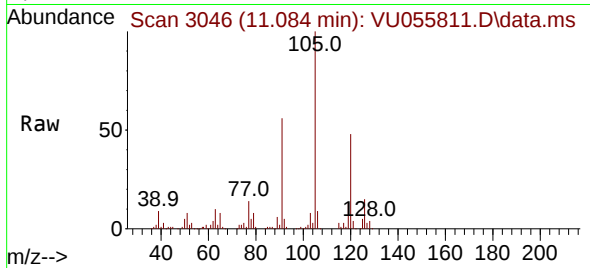
Tgt Ion:126 Resp: 61469
Ion Ratio Lower Upper
126 100
91 314.4 0.0 610.0





#75
1,3,5-Trimethylbenzene
Concen: 2.025 ug/l
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

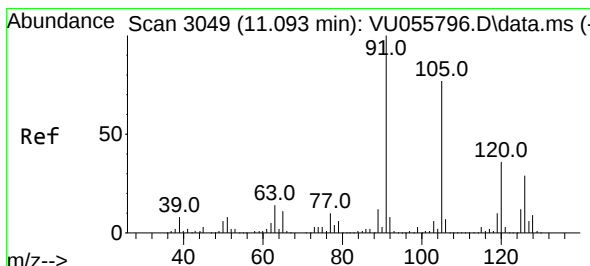
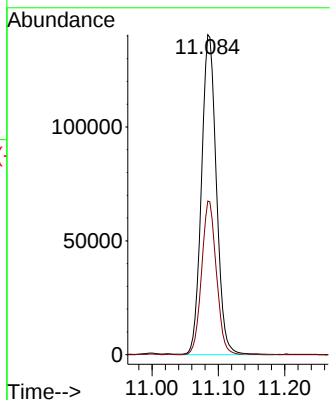
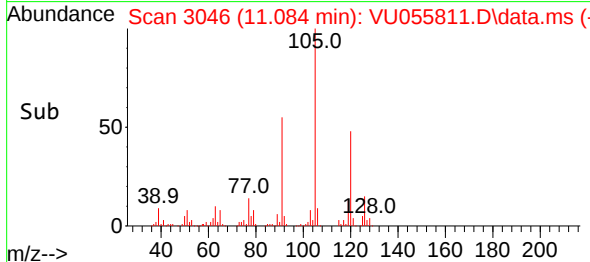
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



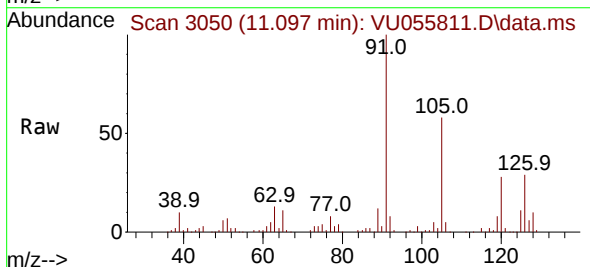
Tgt Ion:105 Resp: 219854
Ion Ratio Lower Upper
105 100
120 47.3 37.8 56.8

Manual Integrations
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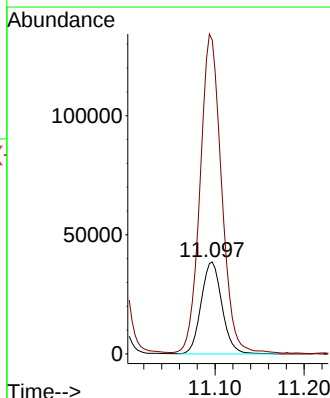
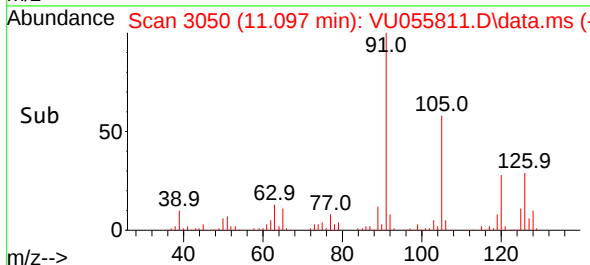
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

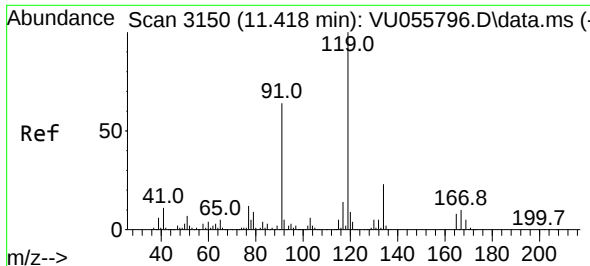


#76
4-Chlorotoluene
Concen: 2.006 ug/l
RT: 11.097 min Scan# 3050
Delta R.T. 0.004 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05



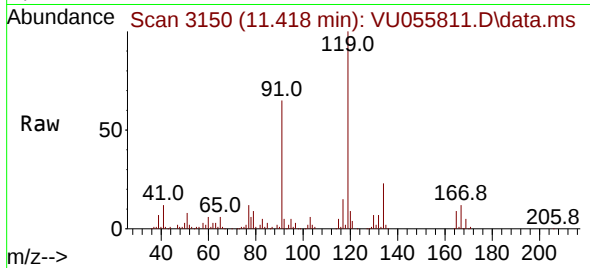
Tgt Ion:126 Resp: 62614
Ion Ratio Lower Upper
126 100
91 356.8 0.0 686.2





#77
tert-Butylbenzene
Concen: 1.991 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

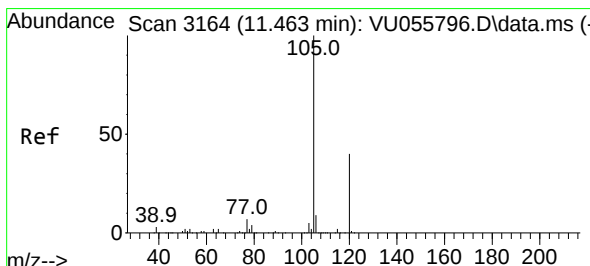
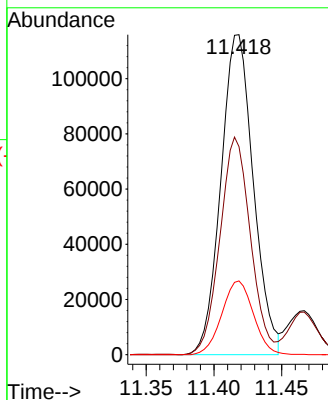
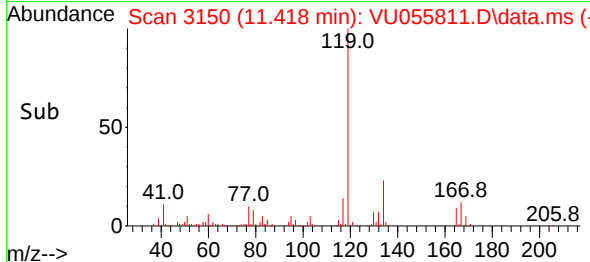
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



Tgt Ion:119 Resp: 193368
Ion Ratio Lower Upper
119 100
91 63.7 30.8 92.4
134 22.4 18.0 27.0

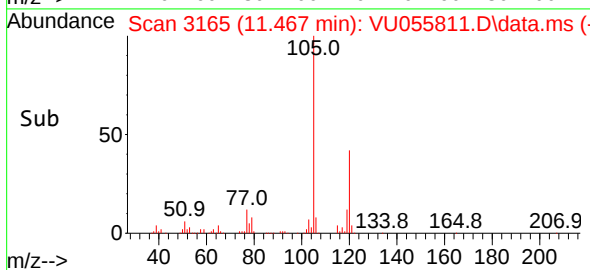
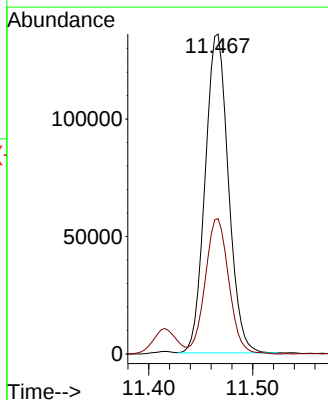
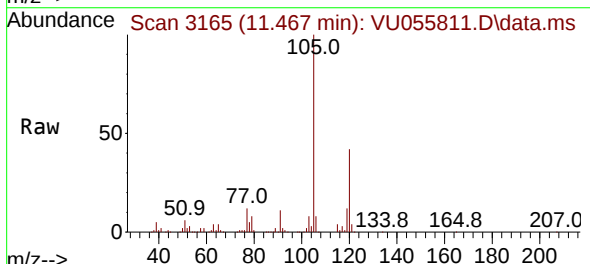
Manual Integrations
APPROVED

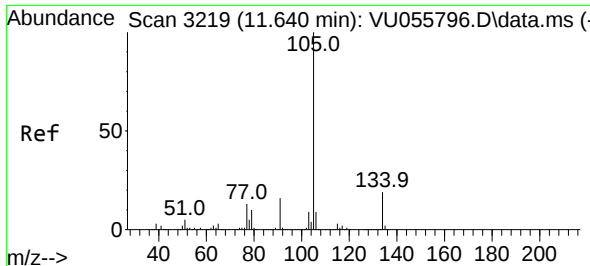
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#78
1,2,4-Trimethylbenzene
Concen: 1.969 ug/l
RT: 11.467 min Scan# 3165
Delta R.T. 0.004 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Tgt Ion:105 Resp: 211200
Ion Ratio Lower Upper
105 100
120 43.0 21.9 65.8





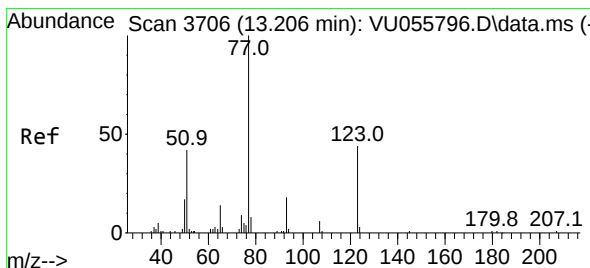
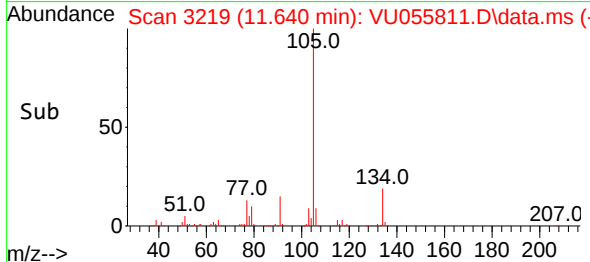
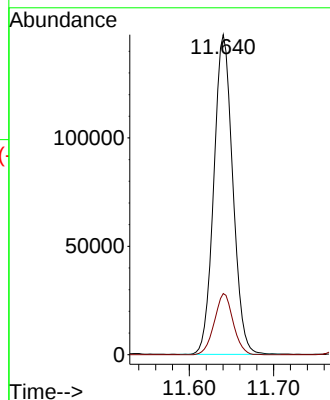
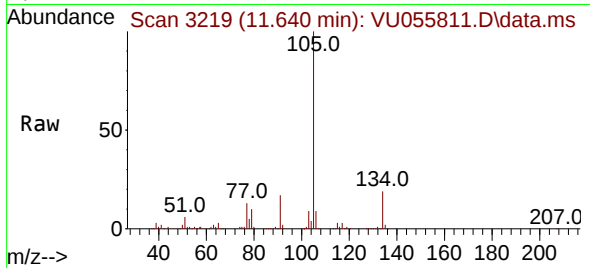
#79
 sec-Butylbenzene
 Concen: 1.895 ug/l
 RT: 11.640 min Scan# 3219
 Delta R.T. 0.000 min
 Lab File: VU055811.D
 Acq: 19 Oct 2023 16:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1019WBSD01

Tgt Ion:105 Resp: 23027
 Ion Ratio Lower Upper
 105 100
 134 19.0 14.9 22.3

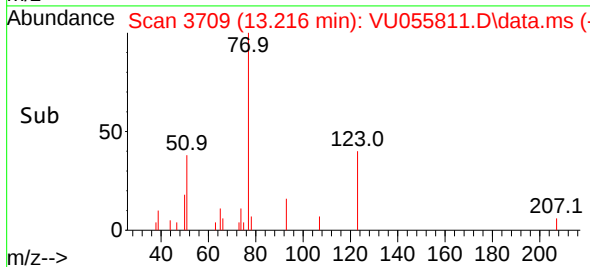
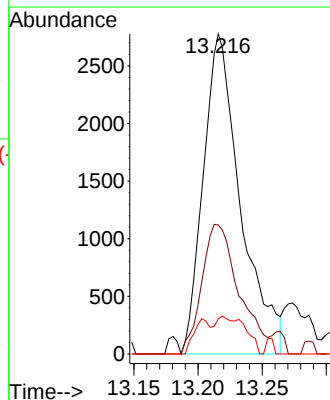
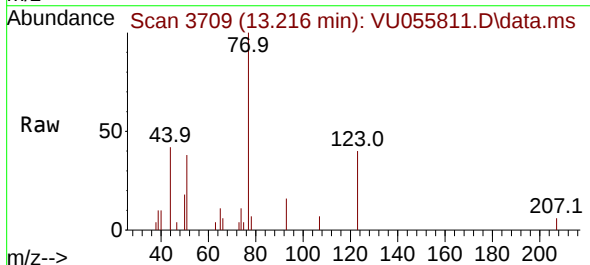
Manual Integrations
 APPROVED

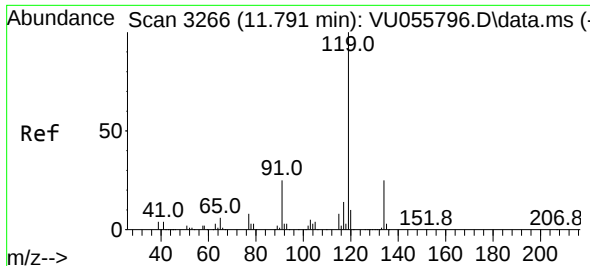
Reviewed By :John Carlone 10/20/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#80
 Nitrobenzene
 Concen: 9.197 ug/l m
 RT: 13.216 min Scan# 3709
 Delta R.T. 0.010 min
 Lab File: VU055811.D
 Acq: 19 Oct 2023 16:05

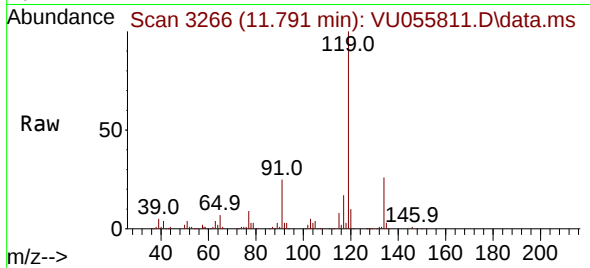
Tgt Ion: 77 Resp: 5607
 Ion Ratio Lower Upper
 77 100
 123 35.2 19.7 69.7
 65 8.8 11.5 14.7#





#81
p-Isopropyltoluene
Concen: 1.870 ug/l
RT: 11.791 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

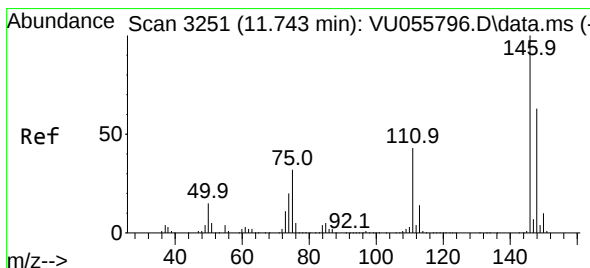
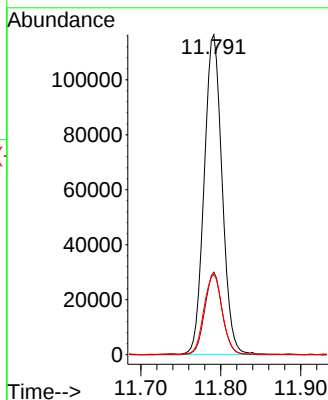
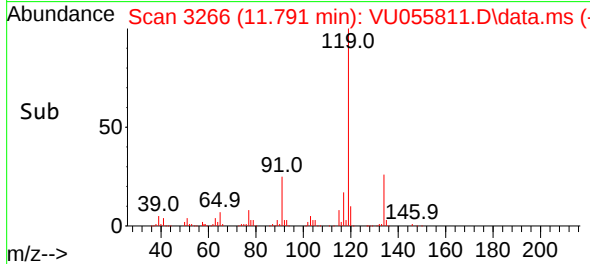
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



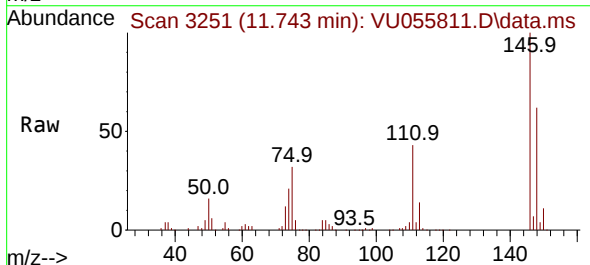
Tgt Ion:119 Resp: 181040
Ion Ratio Lower Upper
119 100
134 25.1 20.2 30.4
91 25.5 19.3 28.9

Manual Integrations
APPROVED

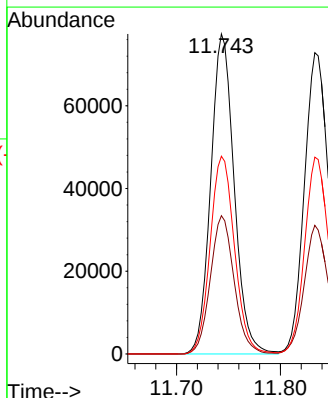
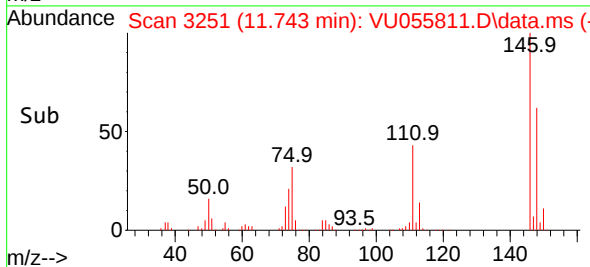
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

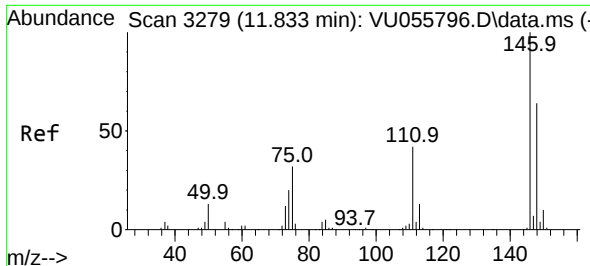


#82
1,3-Dichlorobenzene
Concen: 1.949 ug/l
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05



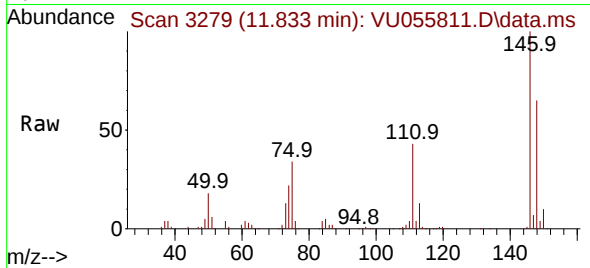
Tgt Ion:146 Resp: 121246
Ion Ratio Lower Upper
146 100
111 43.9 32.6 49.0
148 64.3 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 1.969 ug/l
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

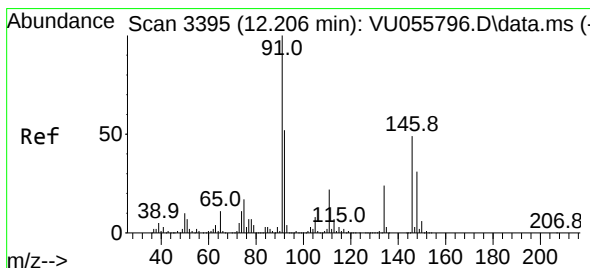
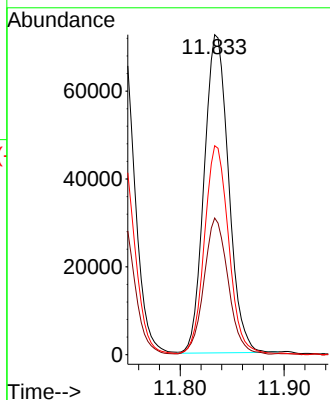
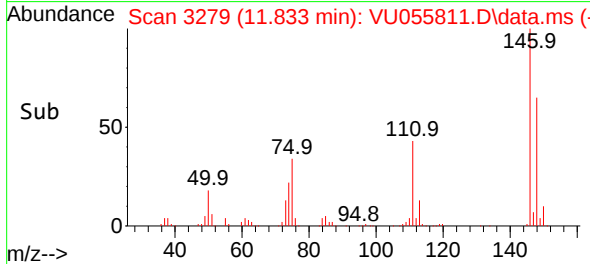
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



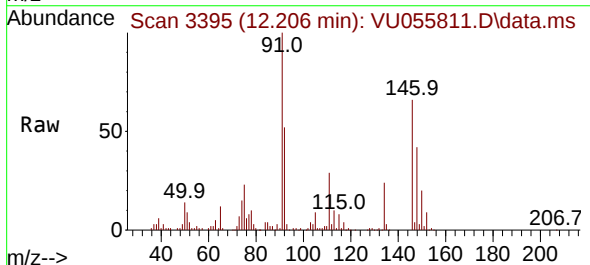
Tgt Ion:146 Resp: 118548
Ion Ratio Lower Upper
146 100
111 42.2 31.6 47.4
148 65.9 50.3 75.5

Manual Integrations
APPROVED

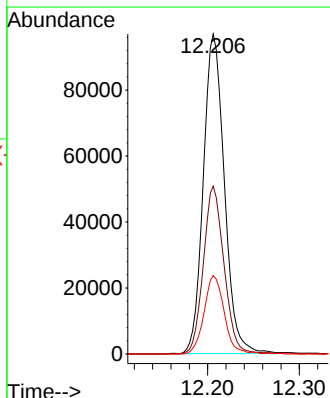
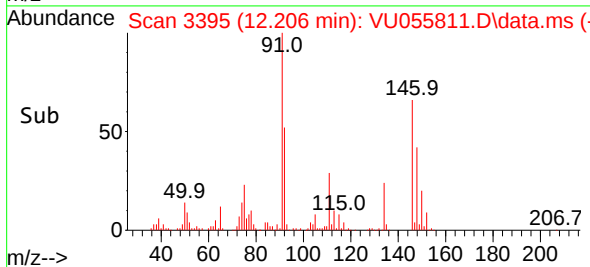
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

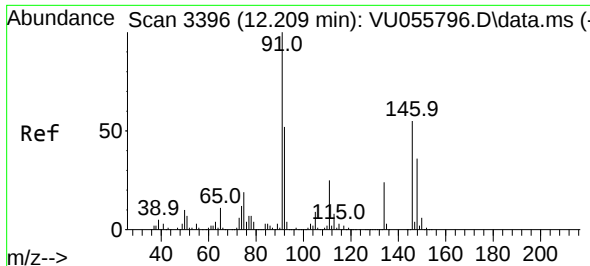


#84
n-Butylbenzene
Concen: 1.878 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05



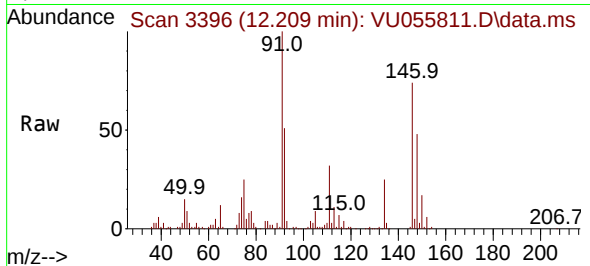
Tgt Ion: 91 Resp: 154751
Ion Ratio Lower Upper
91 100
92 51.4 40.8 61.2
134 23.4 18.4 27.6





#85
1,2-Dichlorobenzene
Concen: 1.989 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

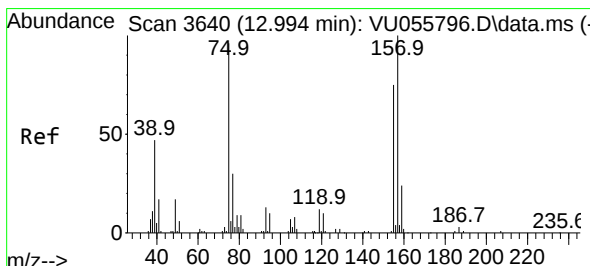
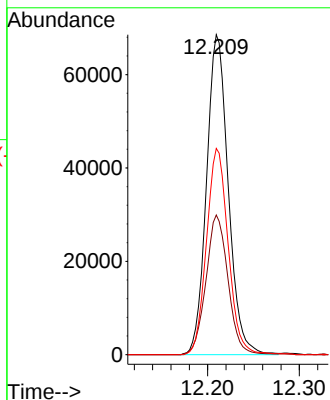
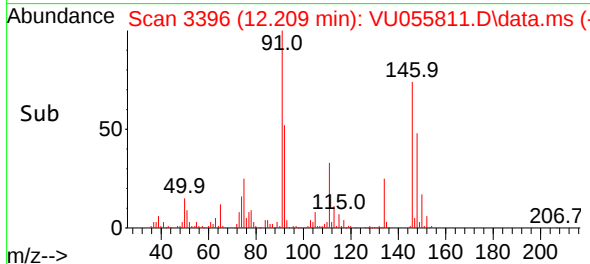
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01



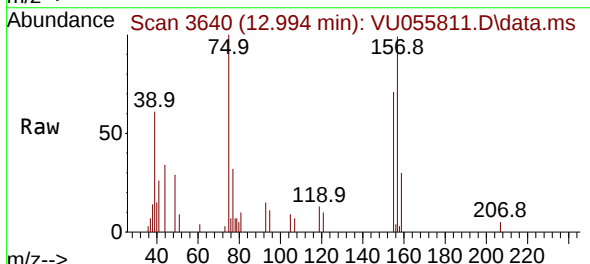
Tgt Ion:146 Resp: 11308
Ion Ratio Lower Upper
146 100
111 44.4 21.6 64.6
148 64.3 32.1 96.5

Manual Integrations
APPROVED

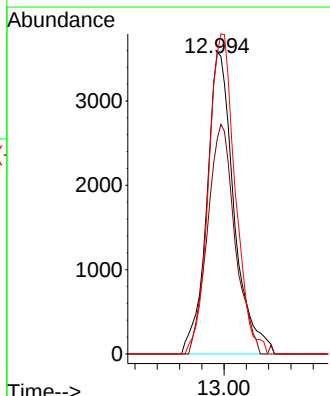
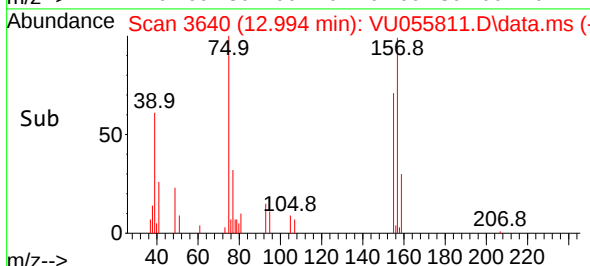
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

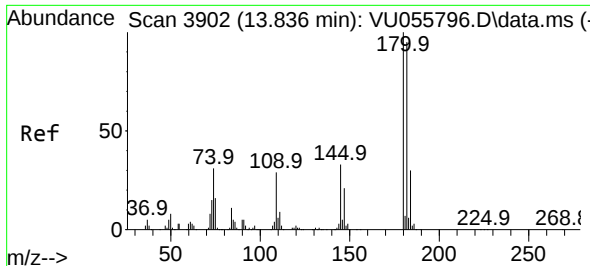


#86
1,2-Dibromo-3-Chloropropane
Concen: 1.727 ug/l
RT: 12.994 min Scan# 3640
Delta R.T. -0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05



Tgt Ion: 75 Resp: 6062
Ion Ratio Lower Upper
75 100
155 76.5 61.8 92.8
157 103.7 80.2 120.4





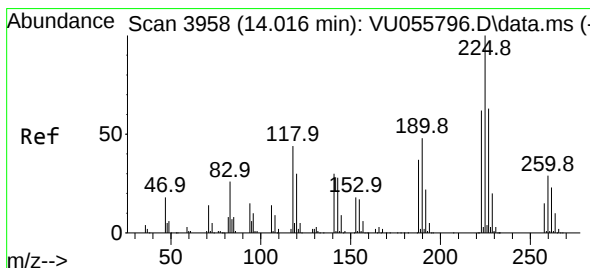
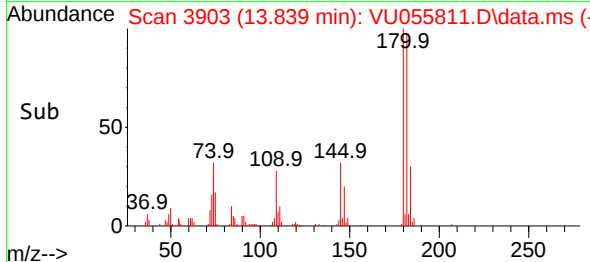
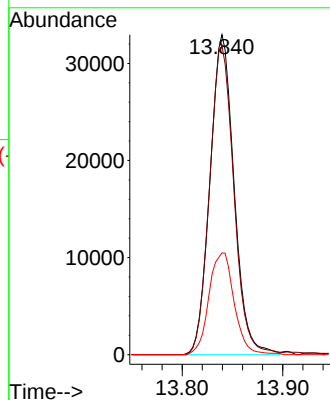
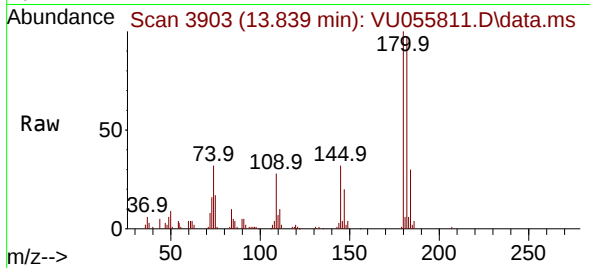
#87
1,2,4-Trichlorobenzene
Concen: 1.843 ug/l
RT: 13.839 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01

Tgt Ion:180 Resp: 54900
Ion Ratio Lower Upper
180 100
182 97.2 75.8 113.6
145 33.3 23.9 35.9

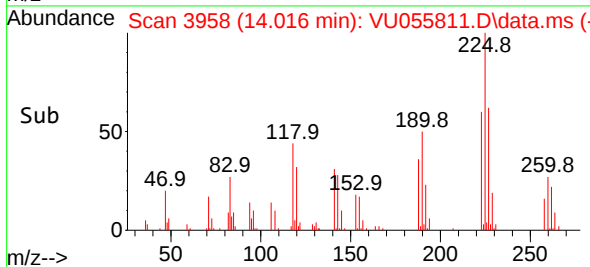
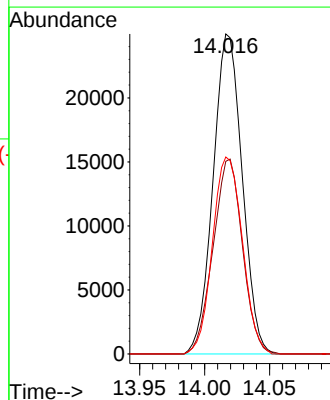
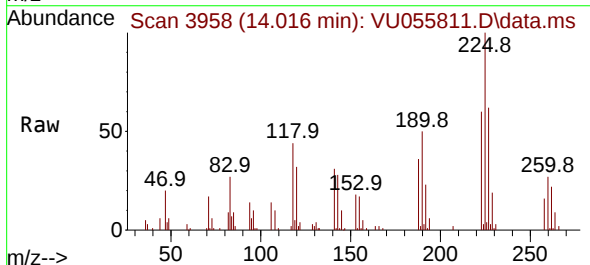
Manual Integrations
APPROVED

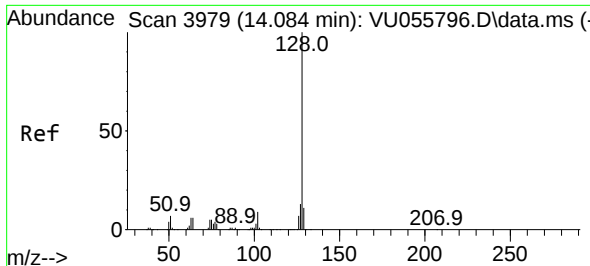
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#88
Hexachlorobutadiene
Concen: 1.811 ug/l
RT: 14.016 min Scan# 3958
Delta R.T. 0.000 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Tgt Ion:225 Resp: 38855
Ion Ratio Lower Upper
225 100
223 61.5 50.2 75.4
227 63.3 51.5 77.3





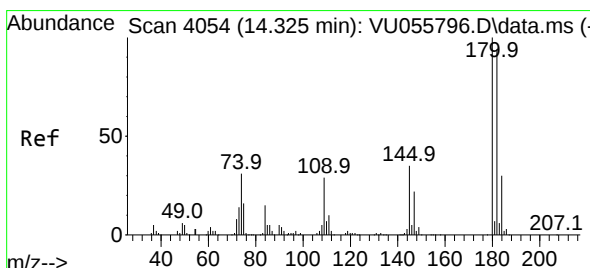
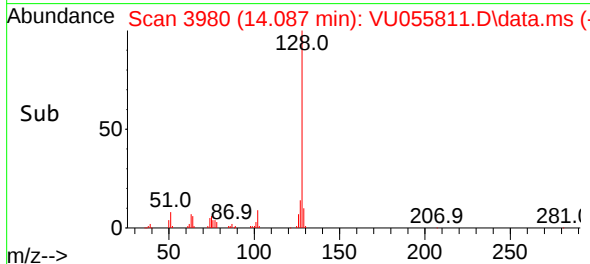
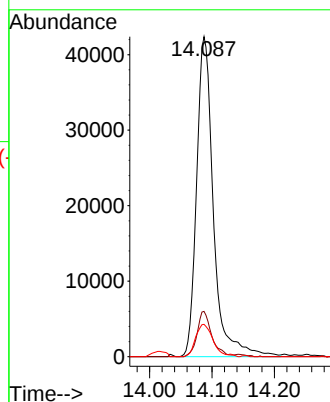
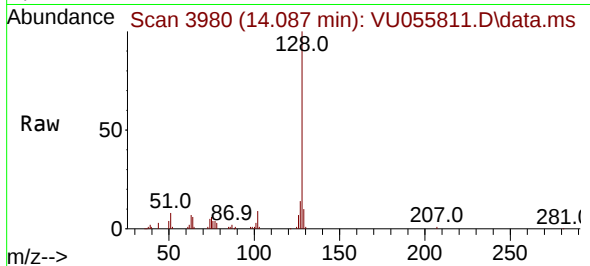
#89
Naphthalene
Concen: 1.925 ug/l
RT: 14.087 min Scan# 3979
Delta R.T. 0.003 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01

Tgt Ion:128 Resp: 79402
Ion Ratio Lower Upper
128 100
127 12.3 10.9 16.3
129 10.2 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#90
1,2,3-Trichlorobenzene
Concen: 1.903 ug/l
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU055811.D
Acq: 19 Oct 2023 16:05

Tgt Ion:180 Resp: 48855
Ion Ratio Lower Upper
180 100
182 95.4 75.7 113.5
145 34.5 26.1 39.1

