

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055801.D
 Acq On : 18 Oct 2023 16:19
 Operator : MD/SY
 Sample : VU1018WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1018WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Mahesh Dadoda 10/24/2023

Quant Time: Oct 19 03:42:04 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	90721	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	35634	0.996	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	34821	1.050	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	63125	1.792	ug/l	99
3) Chloromethane	1.518	50	56699	1.883	ug/l	99
4) Vinyl Chloride	1.602	62	56133	1.819	ug/l	97
5) Bromomethane	1.856	94	35298	2.078	ug/l	97
6) Chloroethane	1.930	64	27905	1.867	ug/l	# 88
7) Trichlorofluoromethane	2.136	101	74047	1.820	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	49045	1.808	ug/l	96
9) 1,1-Dichloroethene	2.579	96	45995	1.818	ug/l	92
10) Iodomethane	2.721	142	64704	1.716	ug/l	99
11) Allyl Chloride	2.920	41	60947	1.853	ug/l	96
12) Acrylonitrile	3.325	53	18603	3.913	ug/l	96
13) Acetone	2.637	43	77966	7.686	ug/l	99
14) Carbon Disulfide	2.792	76	151162	1.830	ug/l	100
15) Methylene Chloride	3.042	84	65682	2.201	ug/l	94
16) trans-1,2-Dichloroethene	3.351	96	49979	1.864	ug/l	92
17) 1,1-Dichloroethane	3.865	63	92389	1.852	ug/l	98
18) 2-Butanone	4.714	43	82741	7.571	ug/l	96
19) Cyclohexane	5.383	56	77376m	1.819	ug/l	
20) Methylcyclohexane	6.759	83	79155	1.791	ug/l	100
21) 2,2-Dichloropropane	4.663	77	76928	1.832	ug/l	99
22) cis-1,2-Dichloroethene	4.666	96	52437	1.834	ug/l	96
23) Diethyl Ether	2.374	59	27395	1.811	ug/l	94
24) tert-Butyl Alcohol	3.209	59	31597m	20.366	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	102745	1.887	ug/l	98
26) Bromochloromethane	4.971	128	23409	1.932	ug/l	93
27) Chloroform	5.084	83	95749	1.871	ug/l	95
28) 1,1,1-Trichloroethane	5.312	97	85134	1.856	ug/l	97
29) 1,1-Dichloropropene	5.525	75	67269	1.851	ug/l	98
30) Carbon Tetrachloride	5.521	117	73860	1.844	ug/l	99
31) Isopropyl Ether	3.988	45	126992	1.895	ug/l	97
32) Ethyl-t-butyl ether	4.496	59	122336	1.891	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	101414	1.830	ug/l	96
34) Propionitrile	4.791	54	17955	10.385	ug/l	# 7
35) Benzene	5.772	78	209885	1.907	ug/l	99
36) 1,2-Dichloroethane	5.791	62	55245	1.848	ug/l	99
37) Trichloroethene	6.541	130	54556	1.905	ug/l	100
38) 1,2-Dichloropropane	6.788	63	54416	1.893	ug/l	97
39) Methacrylonitrile	4.978	41	11857	1.839	ug/l	93
40) Methyl acrylate	4.856	55	18122	1.850	ug/l	# 93
41) Tetrahydrofuran	5.062	42	13230	3.622	ug/l	91
42) 1-Chlorobutane	5.454	56	90985	1.878	ug/l	98
43) Dibromomethane	6.917	93	26015	1.904	ug/l	97
44) Bromodichloromethane	7.103	83	69747	1.932	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	126315	8.941	ug/l	96
46) t-1,4-Dichloro-2-butene	10.830	75	19496m	3.469	ug/l	
47) Methyl methacrylate	6.962	69	44356	3.936	ug/l	94
48) Ethyl methacrylate	8.331	69	40843	2.005	ug/l	95
49) Toluene	7.968	92	123711	1.899	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	58412	1.828	ug/l	100
51) cis-1,3-Dichloropropene	7.605	75	71936	1.840	ug/l	96
52) 1,1,2-Trichloroethane	8.396	97	36897	1.891	ug/l	96
53) 1,3-Dichloropropane	8.573	76	63859	1.915	ug/l	100
54) 2-Hexanone	8.685	43	123423	7.798	ug/l	99
55) Dibromochloromethane	8.807	129	42308	1.796	ug/l	99
56) 1,2-Dibromoethane	8.920	107	35304	1.980	ug/l	97
58) Tetrachloroethene	8.550	164	57328	1.925	ug/l	93
59) Chlorobenzene	9.444	112	136236	1.894	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.531	131	46992	1.833	ug/l	99
61) Pentachloroethane	11.421	117	31450	1.812	ug/l	91
62) Hexachloroethane	12.473	117	33524	1.964	ug/l	100
63) Ethyl Benzene	9.566	91	227282	1.862	ug/l	100
64) m/p-Xylenes	9.692	106	177552	3.783	ug/l	99
65) o-Xylene	10.097	106	88113	1.913	ug/l	99
66) Styrene	10.113	104	134290	1.865	ug/l	96
67) Bromoform	10.286	173	23537	1.861	ug/l	99
69) Isopropylbenzene	10.479	105	222102	1.873	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	43468	1.905	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	34467m	1.822	ug/l	
72) Bromobenzene	10.782	156	53824	1.903	ug/l	98
73) n-propylbenzene	10.904	120	56172	1.885	ug/l	96
74) 2-Chlorotoluene	10.984	126	53357	1.877	ug/l	93
75) 1,3,5-Trimethylbenzene	11.084	105	192266	1.933	ug/l	98
76) 4-Chlorotoluene	11.097	126	54950	1.897	ug/l	93
77) tert-Butylbenzene	11.418	119	173211	1.939	ug/l	98
78) 1,2,4-Trimethylbenzene	11.466	105	185414	1.887	ug/l	100
79) sec-Butylbenzene	11.640	105	211354	1.880	ug/l	99
80) Nitrobenzene	13.212	77	5217m	9.213	ug/l	
81) p-Isopropyltoluene	11.791	119	166573	1.859	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	112944	1.956	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	108820	1.947	ug/l	97
84) n-Butylbenzene	12.206	91	148819	1.925	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	102209	1.937	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.997	75	6061	1.861	ug/l	95
87) 1,2,4-Trichlorobenzene	13.836	180	55929	1.978	ug/l	98
88) Hexachlorobutadiene	14.016	225	36567	1.836	ug/l	99
89) Naphthalene	14.087	128	85023	2.118	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	48472	2.000	ug/l	95

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



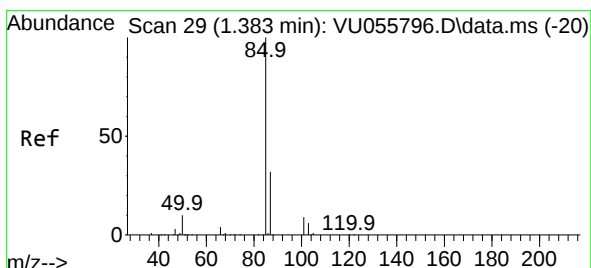
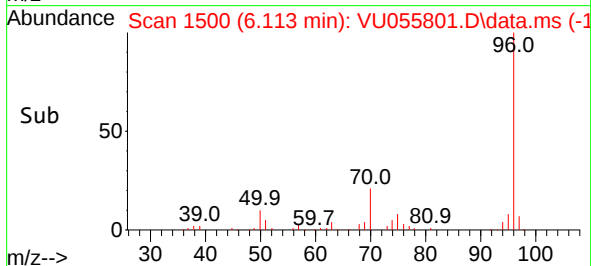
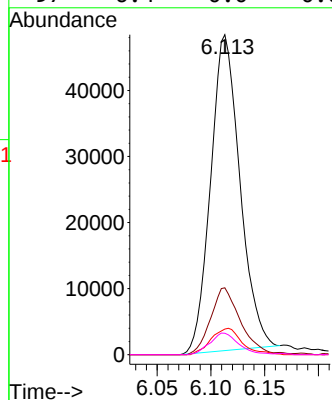
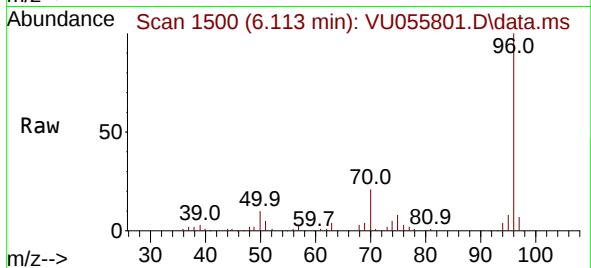
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Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01

Tgt Ion: 96	Resp: 9072
Ion Ratio	Lower Upper
96 100	
70 21.1	16.5 24.7
95 8.8	7.4 11.0
97 6.4	0.0 0.0

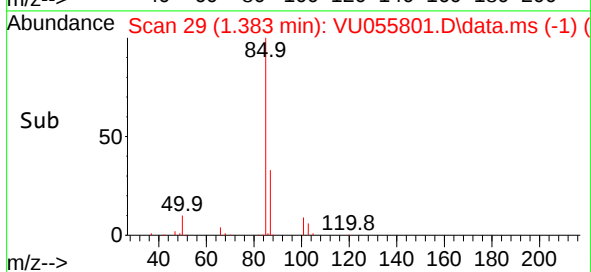
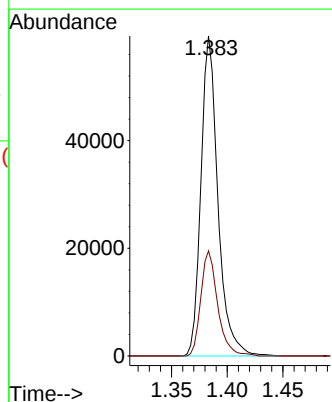
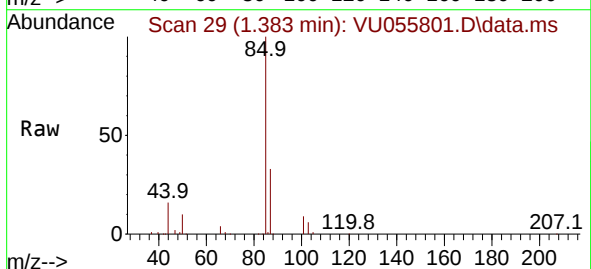
Manual Integrations
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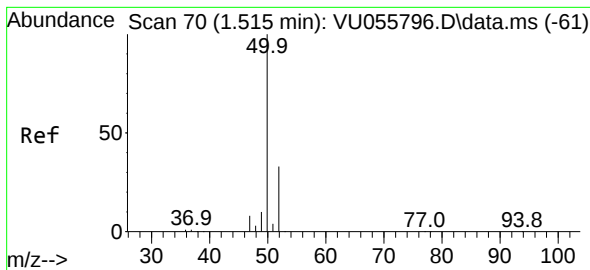
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#2
Dichlorodifluoromethane
Concen: 1.792 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Tgt Ion: 85	Resp: 63125
Ion Ratio	Lower Upper
85 100	
87 32.8	16.2 48.6





#3

Chloromethane

Concen: 1.883 ug/l

RT: 1.518 min Scan# 70

Delta R.T. 0.003 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

Tgt Ion: 50 Resp: 5669

Ion Ratio Lower Upper

50 100

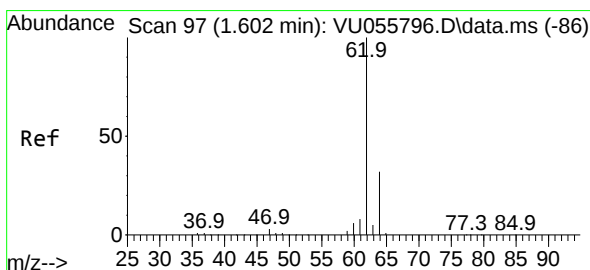
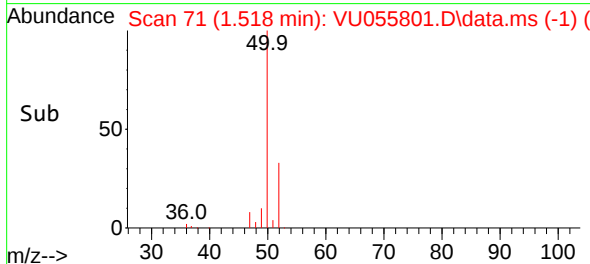
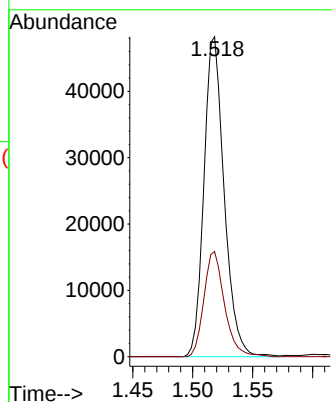
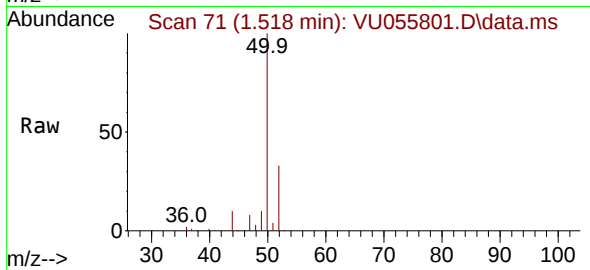
52 32.9 26.6 40.0

Manual Integrations

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Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#4

Vinyl Chloride

Concen: 1.819 ug/l

RT: 1.602 min Scan# 97

Delta R.T. -0.000 min

Lab File: VU055801.D

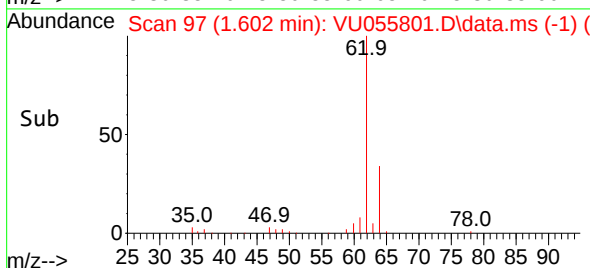
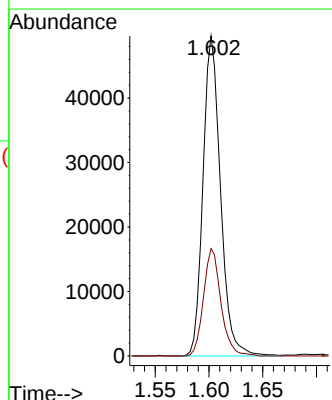
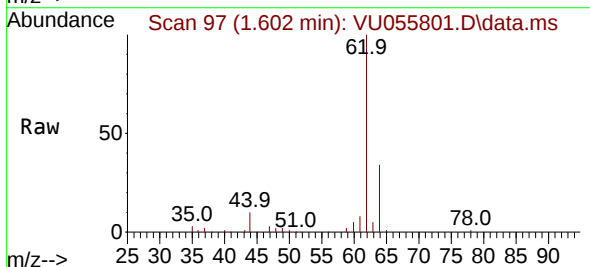
Acq: 18 Oct 2023 16:19

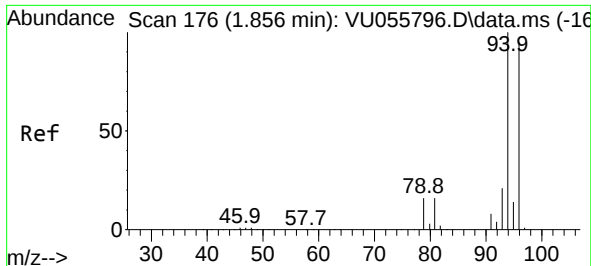
Tgt Ion: 62 Resp: 56133

Ion Ratio Lower Upper

62 100

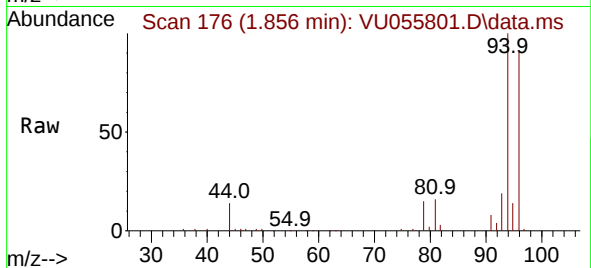
64 33.5 25.4 38.2





#5
Bromomethane
Concen: 2.078 ug/l
RT: 1.856 min Scan# 176
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

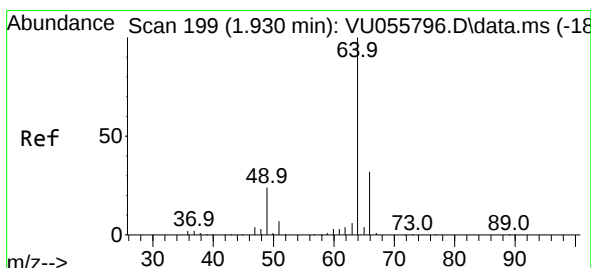
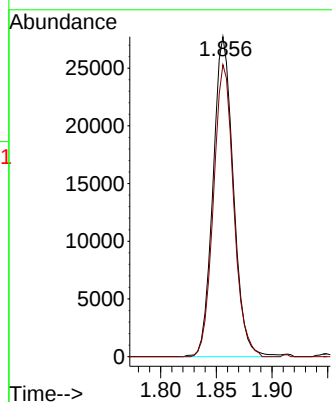
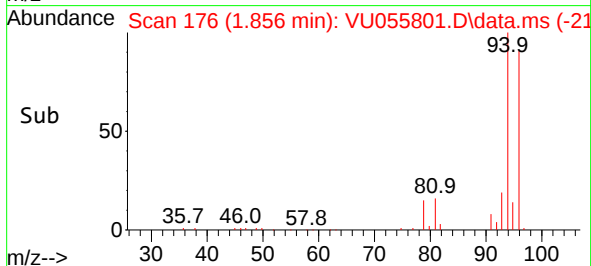
Instrument :
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ClientSampleId :
VU1018WBSD01



Tgt Ion: 94 Resp: 35298
Ion Ratio Lower Upper
94 100
96 91.3 75.4 113.2

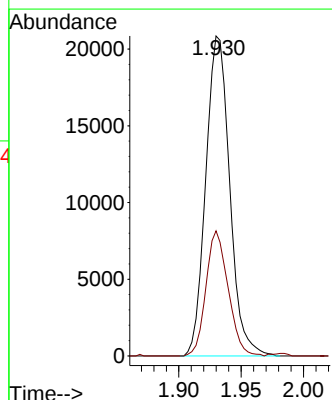
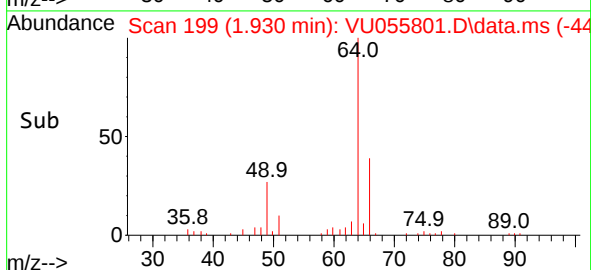
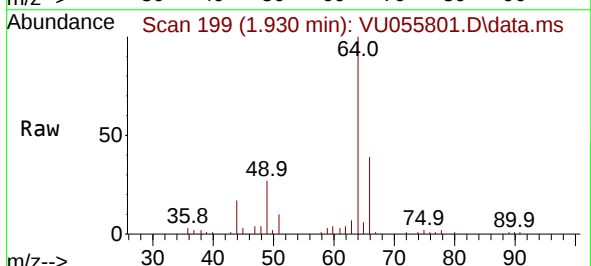
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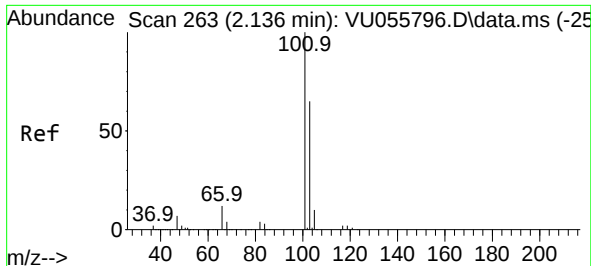
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#6
Chloroethane
Concen: 1.867 ug/l
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Tgt Ion: 64 Resp: 27905
Ion Ratio Lower Upper
64 100
66 39.1 26.0 39.0





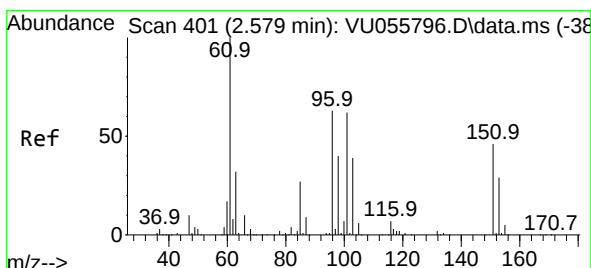
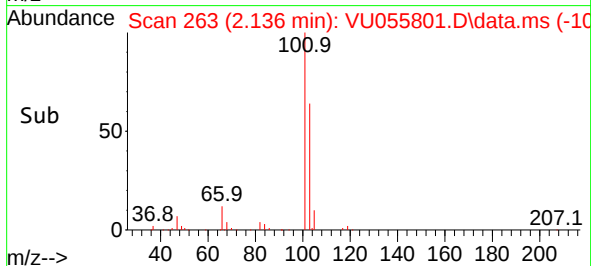
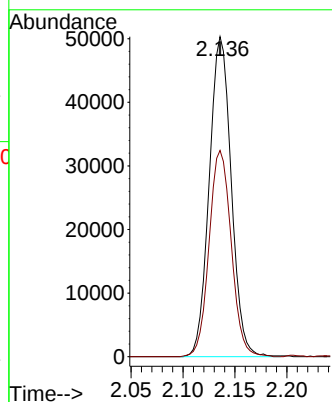
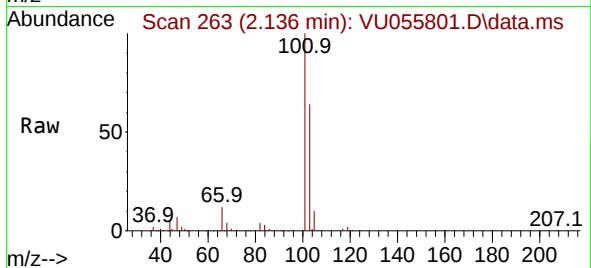
#7
 Trichlorofluoromethane
 Concen: 1.820 ug/l
 RT: 2.136 min Scan# 263
 Delta R.T. -0.000 min
 Lab File: VU055801.D
 Acq: 18 Oct 2023 16:19

Instrument :
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 ClientSampleId :
 VU1018WBSD01

Tgt Ion:101 Resp: 7404
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.4 77.0

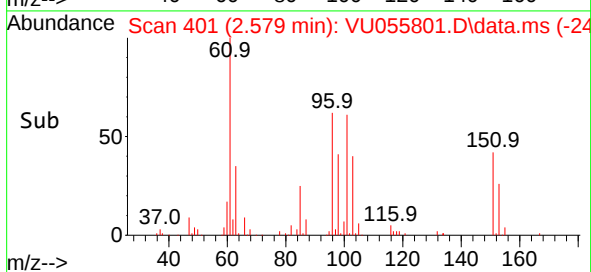
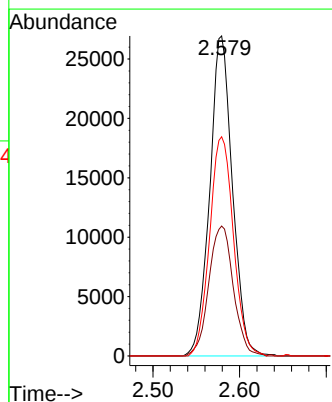
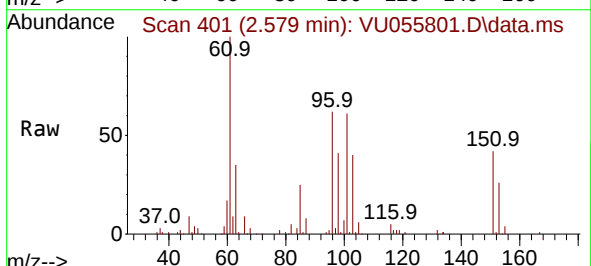
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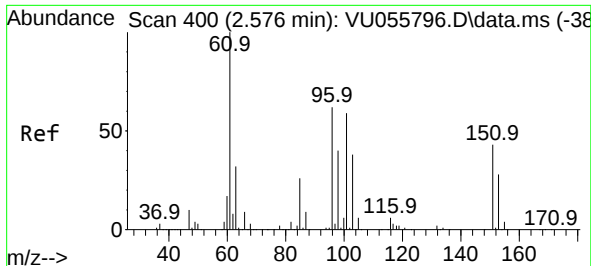
Reviewed By :John Carlone 10/19/2023
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#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.808 ug/l
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU055801.D
 Acq: 18 Oct 2023 16:19

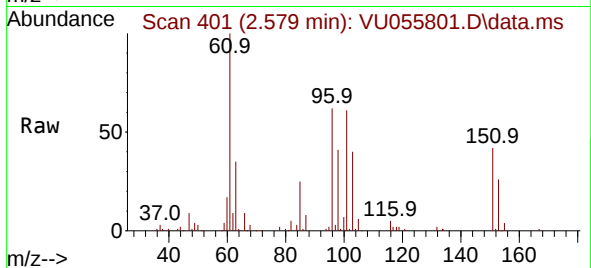
Tgt Ion:101 Resp: 49045
 Ion Ratio Lower Upper
 101 100
 85 43.8 35.4 53.0
 151 72.0 54.0 81.0





#9
1,1-Dichloroethene
Concen: 1.818 ug/l
RT: 2.579 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

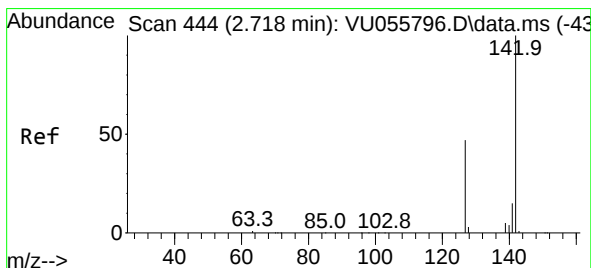
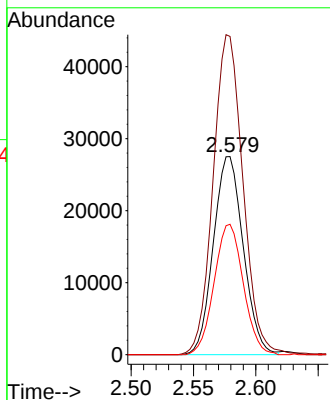
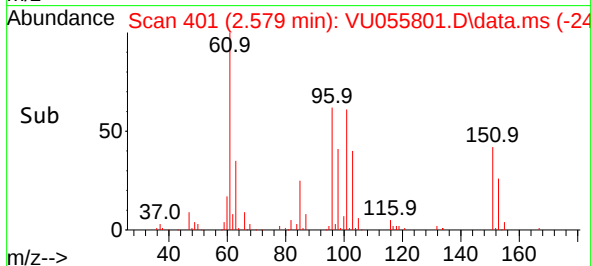
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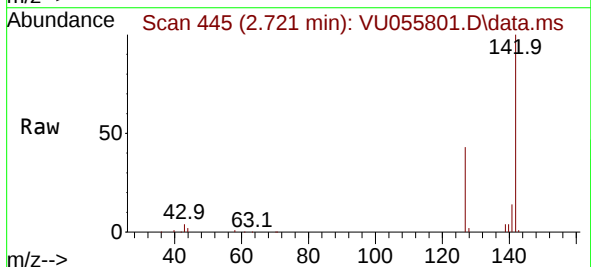
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Ion Ratio Lower Upper
96 100
61 160.7 0.0 521.4
98 65.9 0.0 125.8

Manual Integrations
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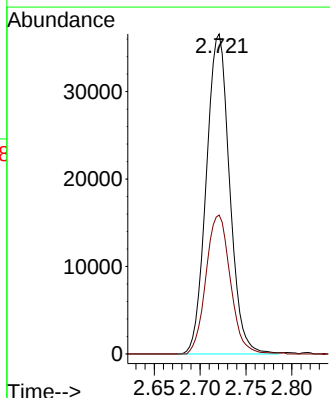
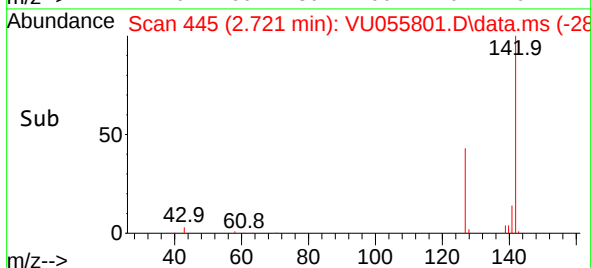
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

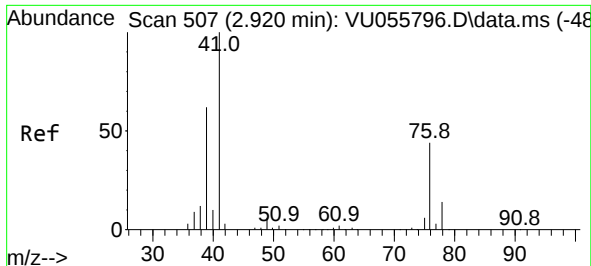


#10
Iodomethane
Concen: 1.716 ug/l
RT: 2.721 min Scan# 445
Delta R.T. 0.003 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19



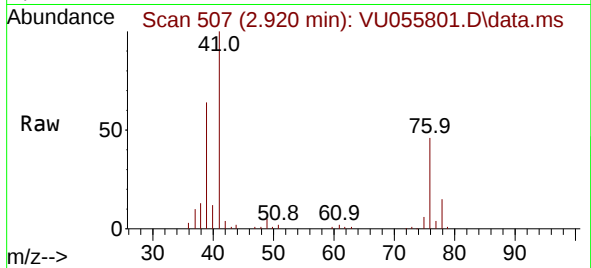
Tgt Ion:142 Resp: 64704
Ion Ratio Lower Upper
142 100
127 45.3 35.9 53.9





#11
 Allyl Chloride
 Concen: 1.853 ug/l
 RT: 2.920 min Scan# 507
 Delta R.T. 0.000 min
 Lab File: VU055801.D
 Acq: 18 Oct 2023 16:19

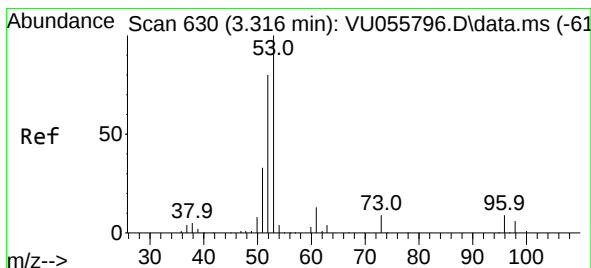
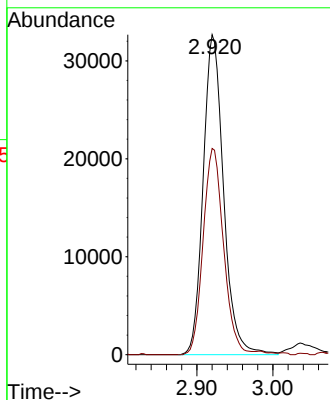
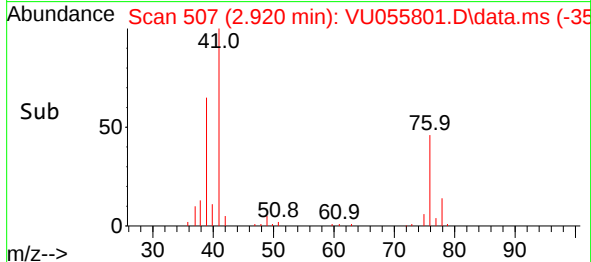
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1018WBSD01



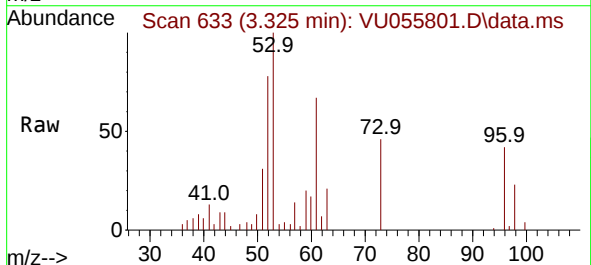
Tgt Ion: 41 Resp: 6094
 Ion Ratio Lower Upper
 41 100
 39 64.5 54.2 81.2

Manual Integrations
 APPROVED

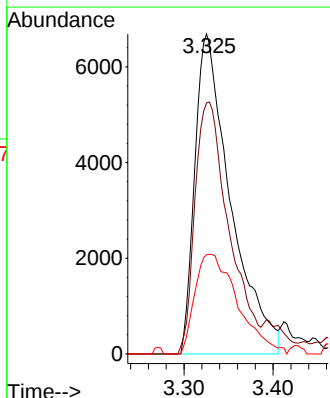
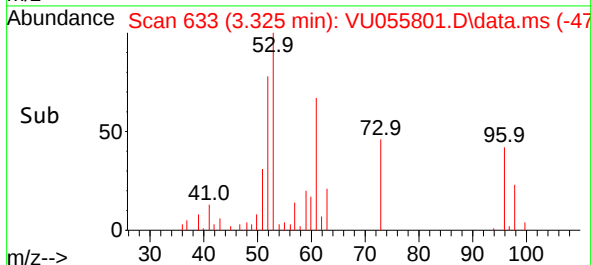
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023

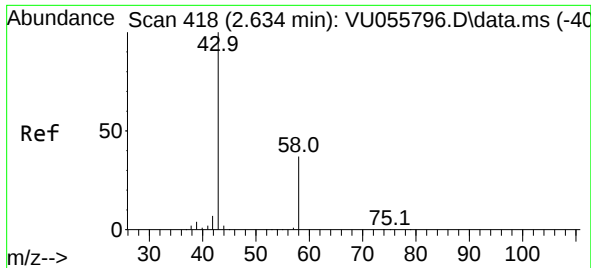


#12
 Acrylonitrile
 Concen: 3.913 ug/l
 RT: 3.325 min Scan# 633
 Delta R.T. 0.009 min
 Lab File: VU055801.D
 Acq: 18 Oct 2023 16:19



Tgt Ion: 53 Resp: 18603
 Ion Ratio Lower Upper
 53 100
 52 75.4 62.9 94.3
 51 37.3 27.8 41.6





#13

Acetone

Concen: 7.686 ug/l

RT: 2.637 min Scan# 418

Delta R.T. 0.003 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

Tgt Ion: 43 Resp: 7796

Ion Ratio Lower Upper

43 100

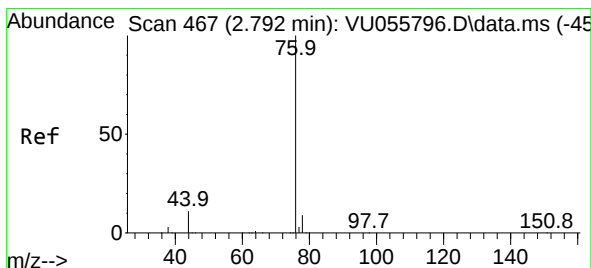
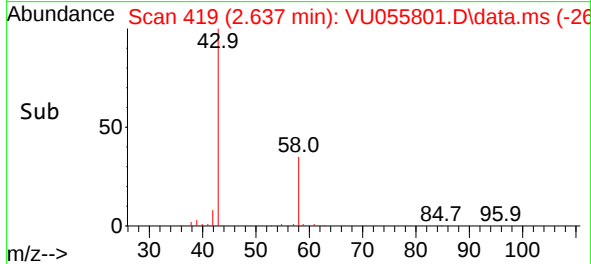
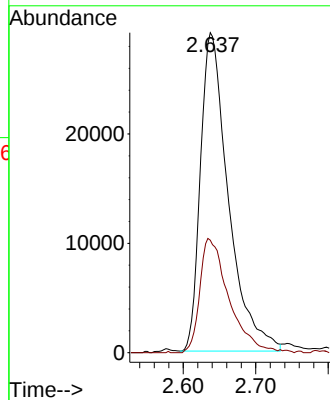
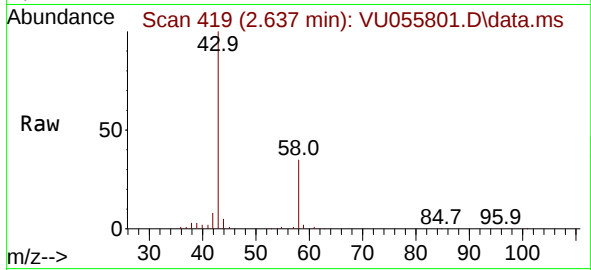
58 35.3 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#14

Carbon Disulfide

Concen: 1.830 ug/l

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU055801.D

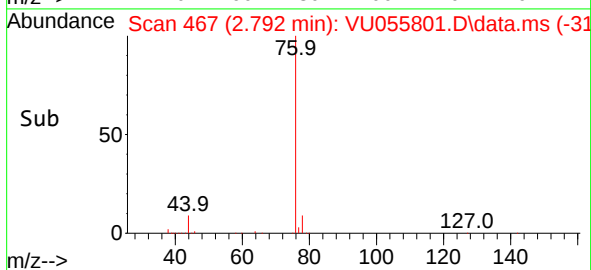
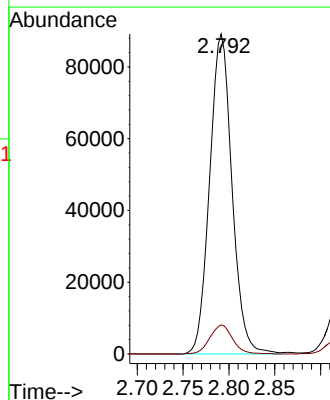
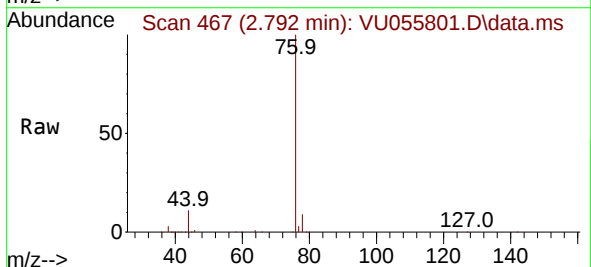
Acq: 18 Oct 2023 16:19

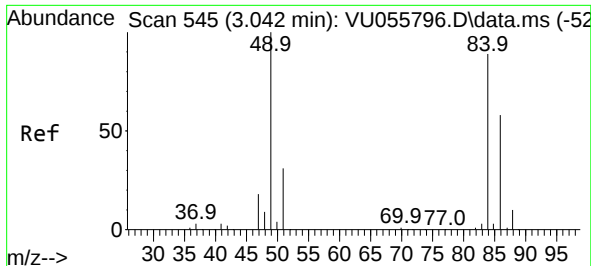
Tgt Ion: 76 Resp: 151162

Ion Ratio Lower Upper

76 100

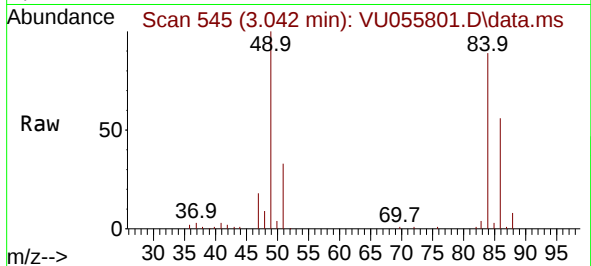
78 9.1 7.4 11.0





#15
Methylene Chloride
Concen: 2.201 ug/l
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

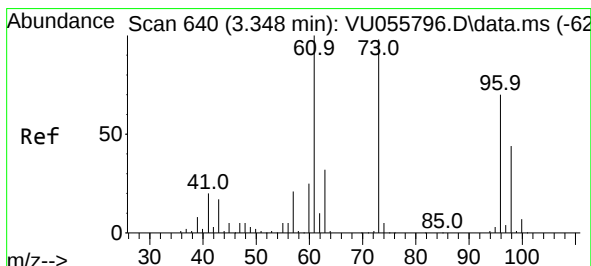
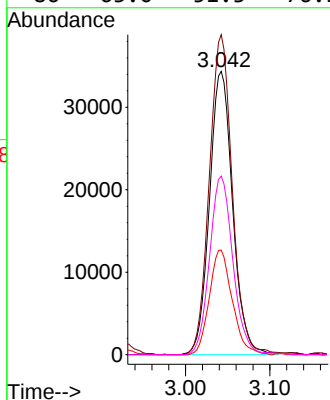
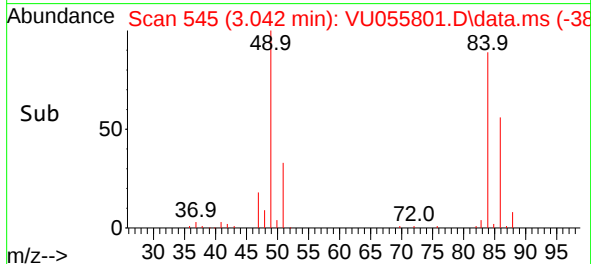
Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01



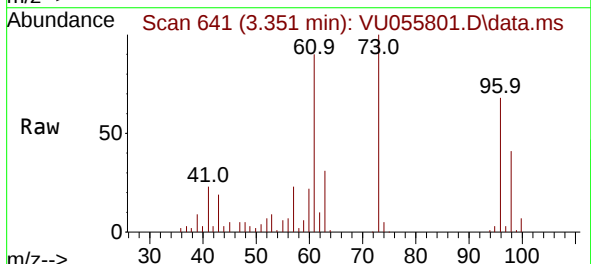
Tgt Ion: 84 Resp: 65682
Ion Ratio Lower Upper
84 100
49 112.9 98.9 148.3
51 36.9 0.0 75.4
86 63.0 51.3 76.9

Manual Integrations
APPROVED

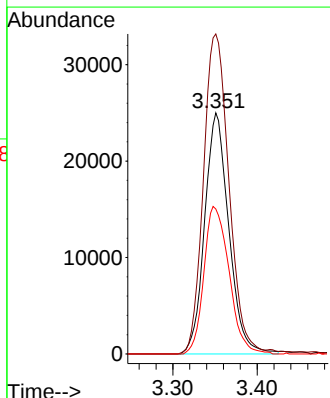
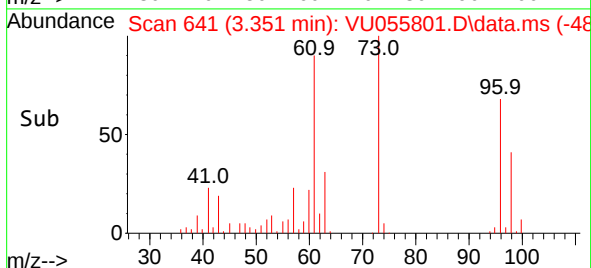
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

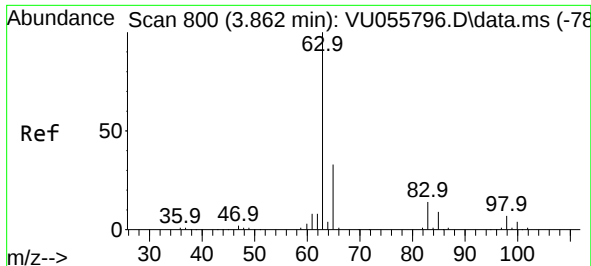


#16
trans-1,2-Dichloroethene
Concen: 1.864 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19



Tgt Ion: 96 Resp: 49979
Ion Ratio Lower Upper
96 100
61 132.7 117.5 176.3
98 60.1 48.3 72.5





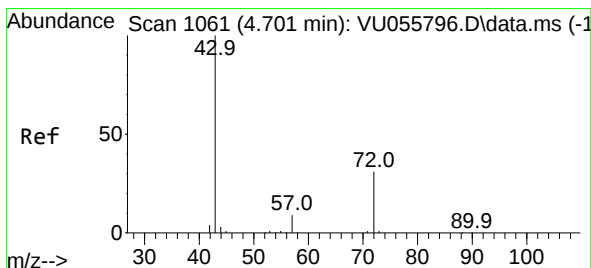
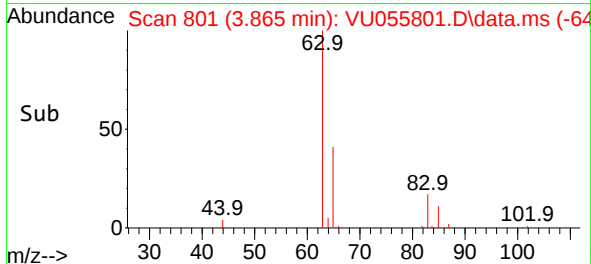
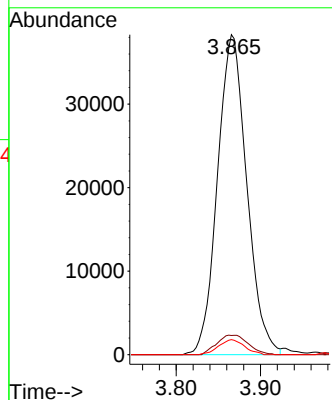
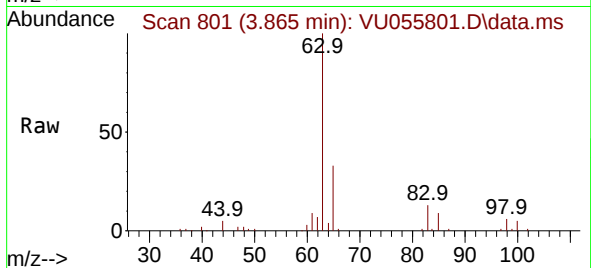
#17
1,1-Dichloroethane
Concen: 1.852 ug/l
RT: 3.865 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01

Tgt Ion: 63 Resp: 92389
Ion Ratio Lower Upper
63 100
98 6.0 3.4 10.1
100 4.7 2.2 6.6

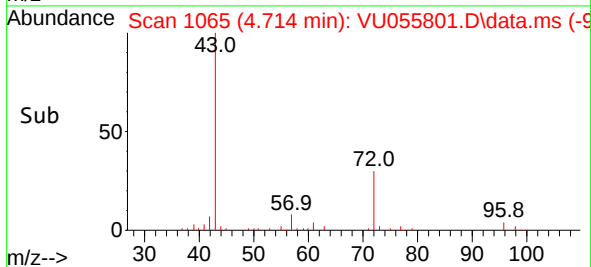
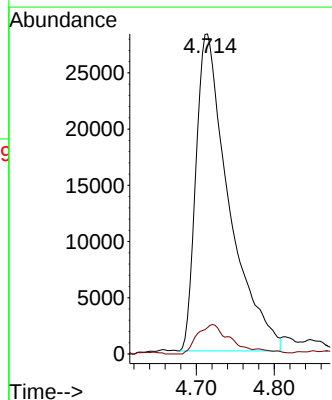
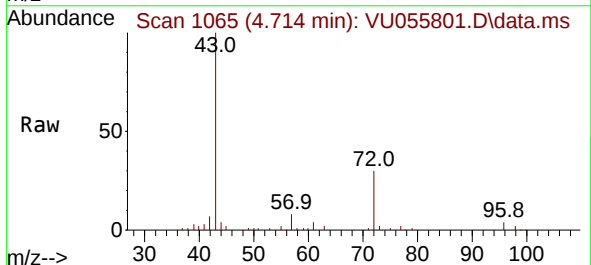
Manual Integrations
APPROVED

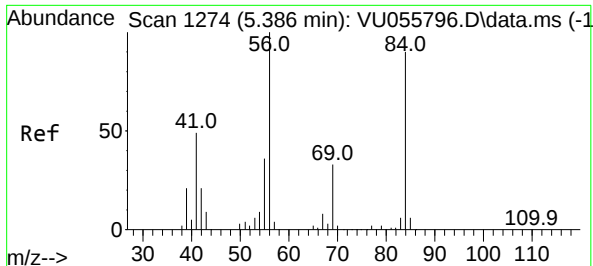
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#18
2-Butanone
Concen: 7.571 ug/l
RT: 4.714 min Scan# 1065
Delta R.T. 0.013 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Tgt Ion: 43 Resp: 82741
Ion Ratio Lower Upper
43 100
57 8.3 0.0 19.6





#19

Cyclohexane

Concen: 1.819 ug/l m

RT: 5.383 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

Tgt Ion: 56 Resp: 77370

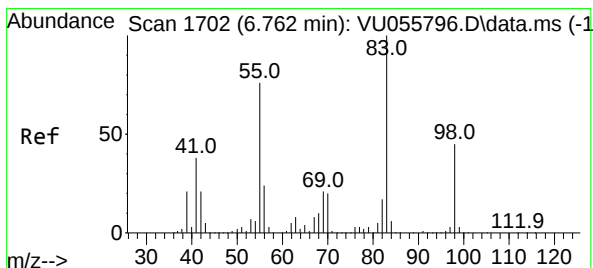
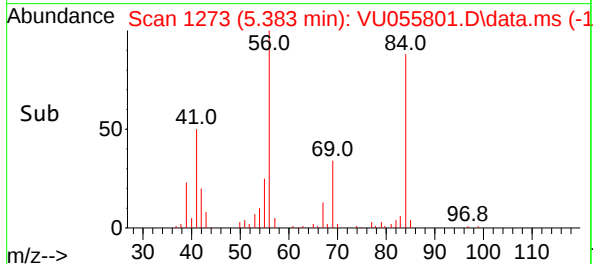
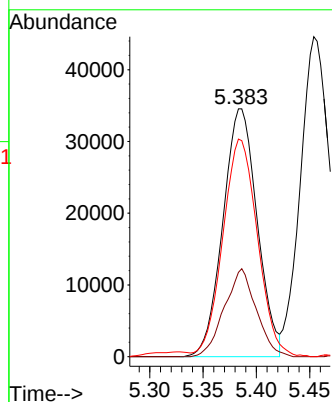
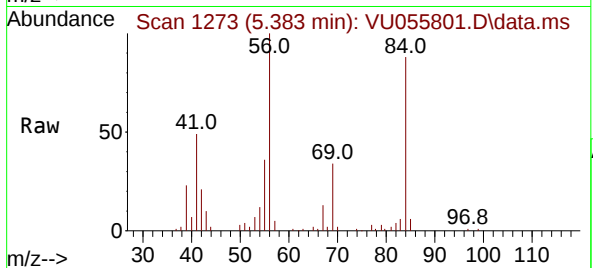
Ion	Ratio	Lower	Upper
56	100		
69	33.0	24.6	37.0
84	86.5	68.4	102.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#20

Methylcyclohexane

Concen: 1.791 ug/l

RT: 6.759 min Scan# 1701

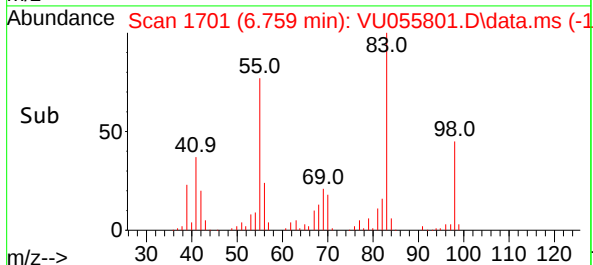
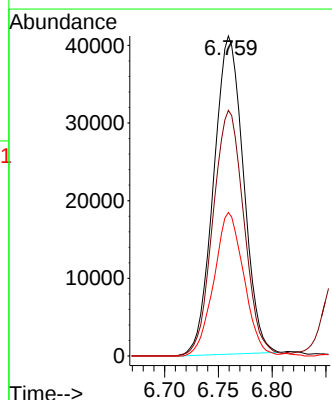
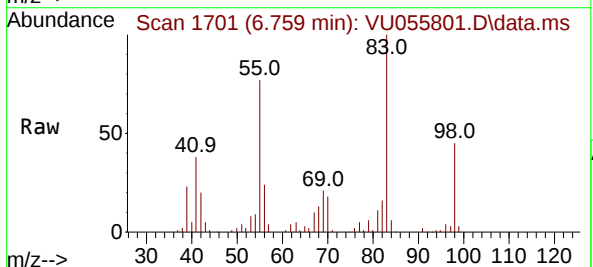
Delta R.T. -0.003 min

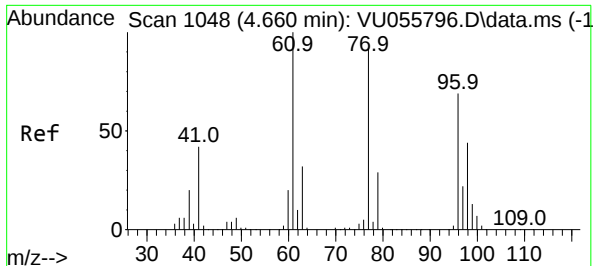
Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Tgt Ion: 83 Resp: 79155

Ion	Ratio	Lower	Upper
83	100		
55	79.1	63.5	95.3
98	44.5	36.0	54.0





#21

2,2-Dichloropropane

Concen: 1.832 ug/l

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

Tgt Ion: 77 Resp: 76928

Ion Ratio Lower Upper

77 100

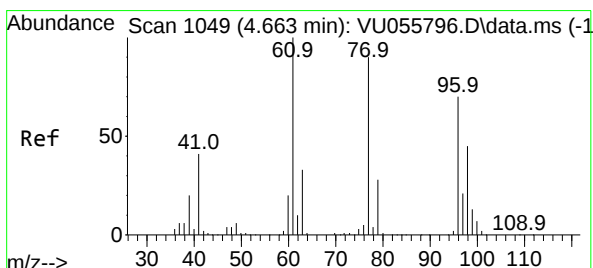
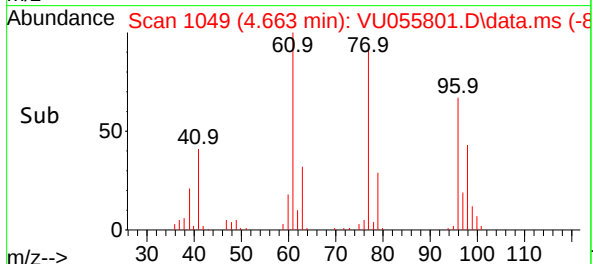
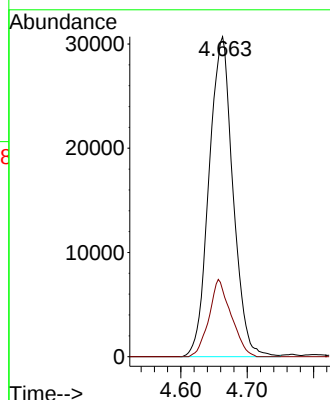
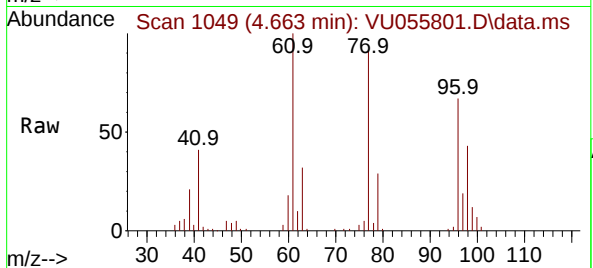
97 22.3 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#22

cis-1,2-Dichloroethene

Concen: 1.834 ug/l

RT: 4.666 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

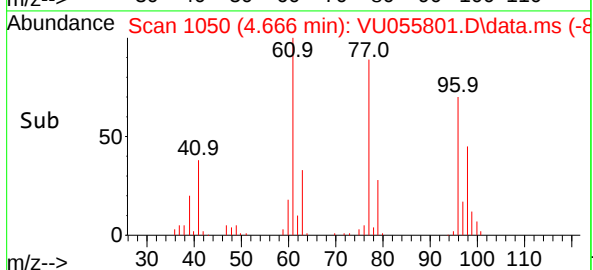
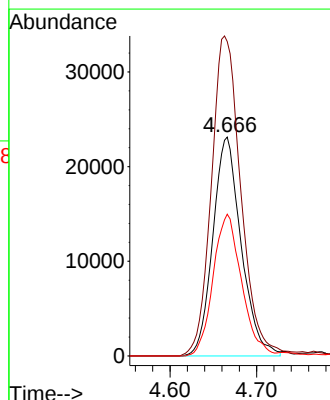
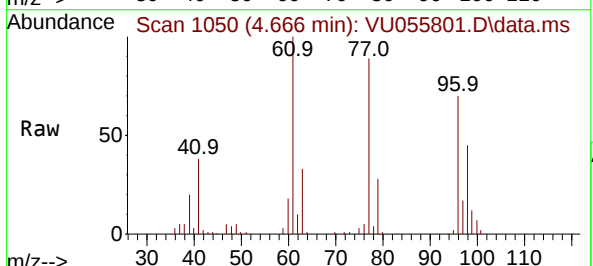
Tgt Ion: 96 Resp: 52437

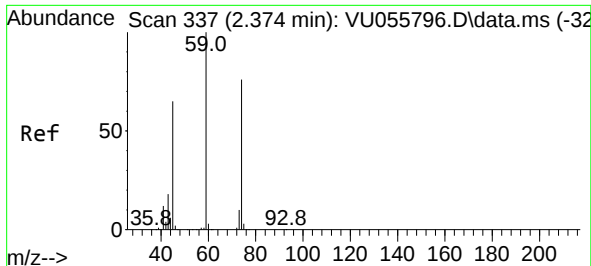
Ion Ratio Lower Upper

96 100

61 152.9 0.0 365.8

98 65.0 32.0 96.0





#23

Diethyl Ether

Concen: 1.811 ug/l

RT: 2.374 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

Tgt Ion: 59 Resp: 2739

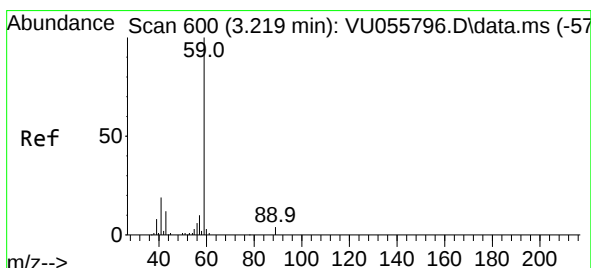
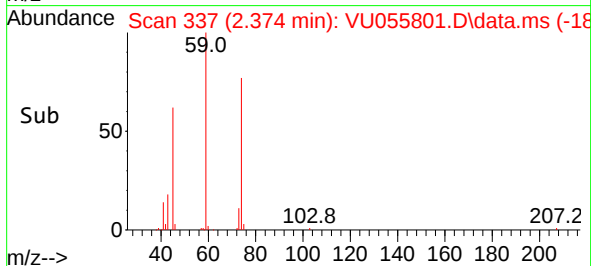
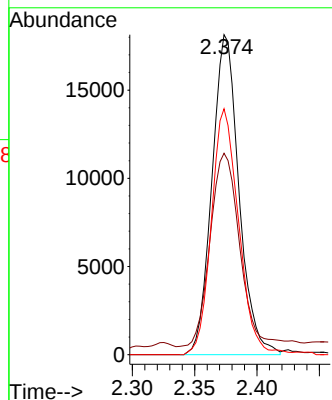
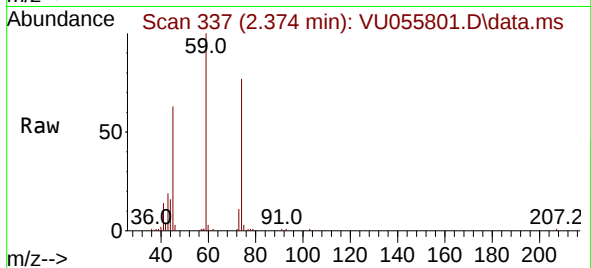
Ion	Ratio	Lower	Upper
59	100		
45	66.4	56.1	84.1
74	77.5	57.4	86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#24

tert-Butyl Alcohol

Concen: 20.366 ug/l m

RT: 3.209 min Scan# 597

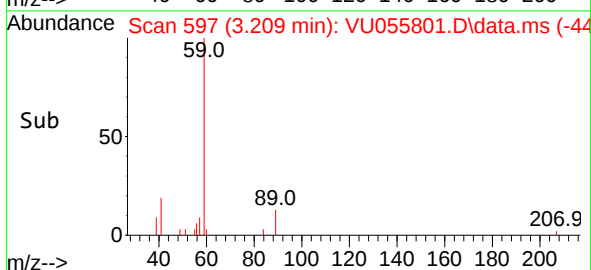
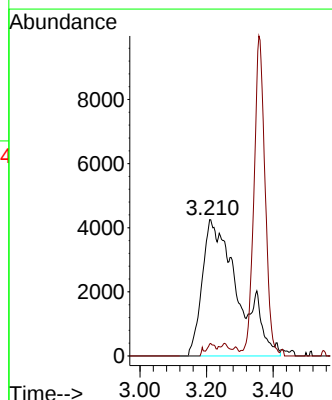
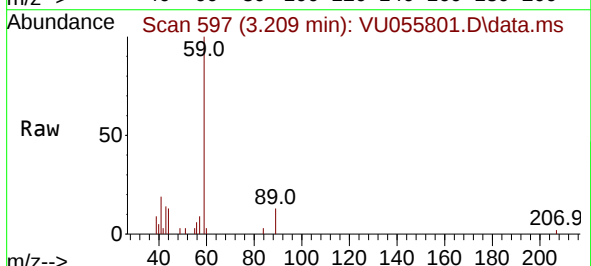
Delta R.T. -0.010 min

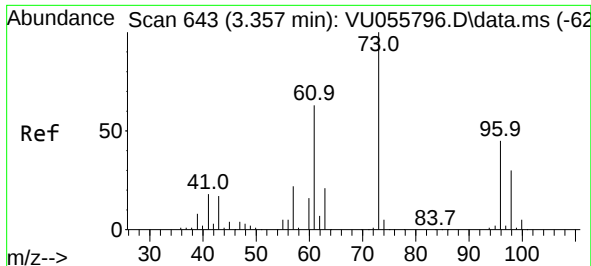
Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Tgt Ion: 59 Resp: 31597

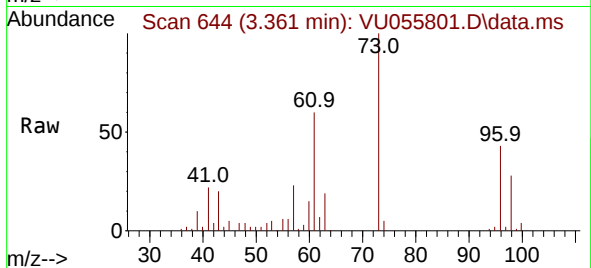
Ion	Ratio	Lower	Upper
59	100		
57	0.0	105.6	158.4#





#25
Methyl tert-Butyl Ether
Concen: 1.887 ug/l
RT: 3.361 min Scan# 644
Delta R.T. 0.004 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

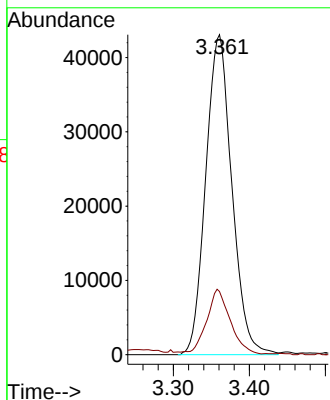
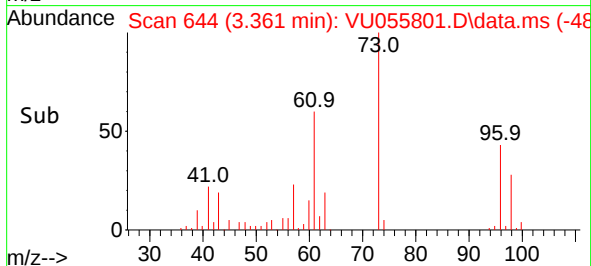
Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01



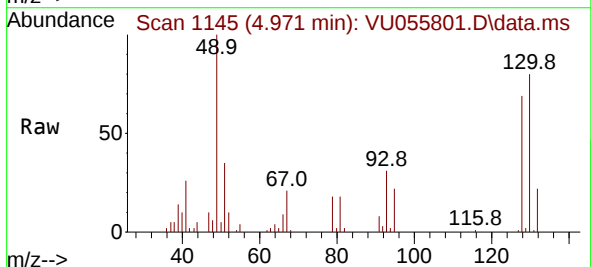
Tgt Ion: 73 Resp: 102749
Ion Ratio Lower Upper
73 100
43 17.9 15.0 22.6

Manual Integrations
APPROVED

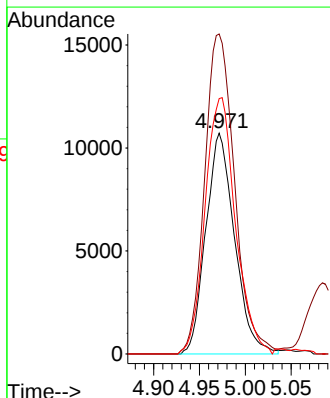
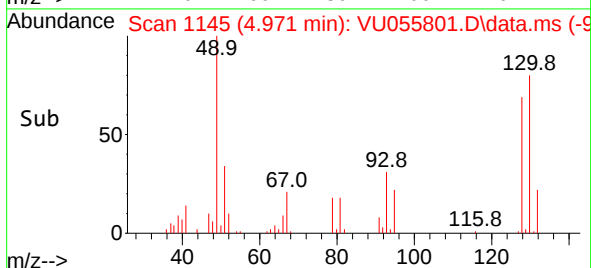
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

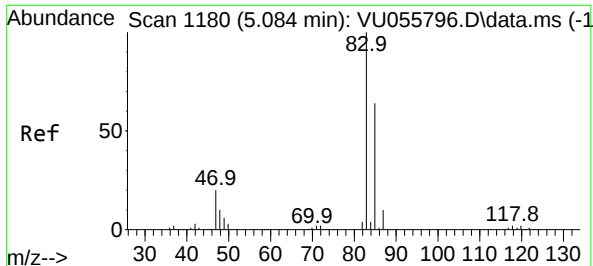


#26
Bromochloromethane
Concen: 1.932 ug/l
RT: 4.971 min Scan# 1145
Delta R.T. 0.003 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19



Tgt Ion:128 Resp: 23409
Ion Ratio Lower Upper
128 100
49 150.9 0.0 324.6
130 122.8 103.0 154.4





#27

Chloroform

Concen: 1.871 ug/l

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

Tgt Ion: 83 Resp: 95749

Ion Ratio Lower Upper

83 100

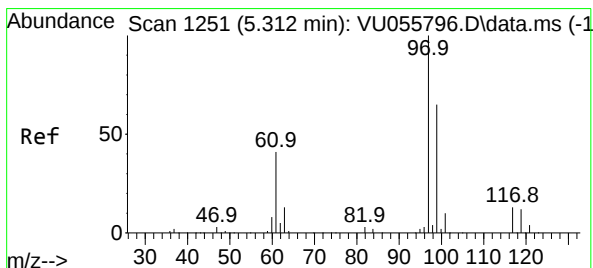
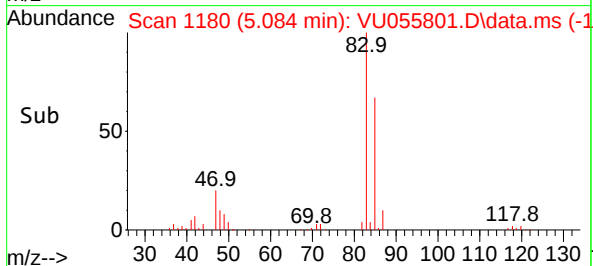
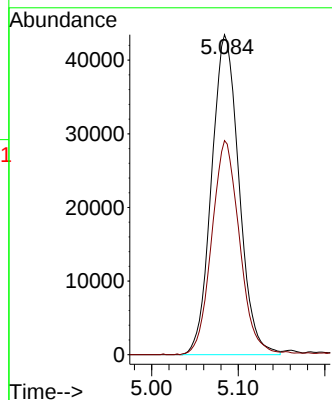
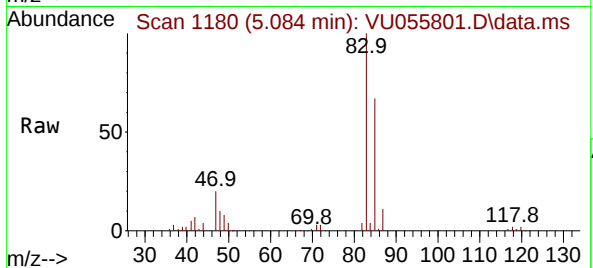
85 66.9 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#28

1,1,1-Trichloroethane

Concen: 1.856 ug/l

RT: 5.312 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

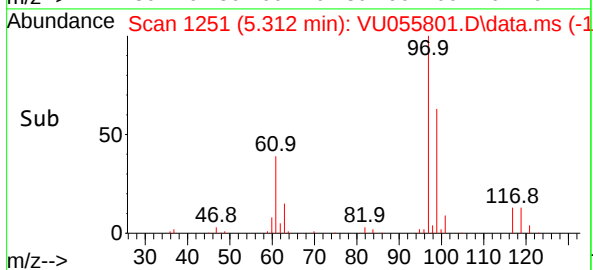
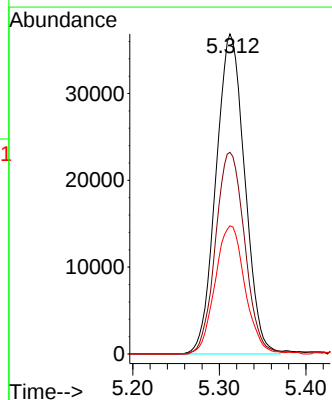
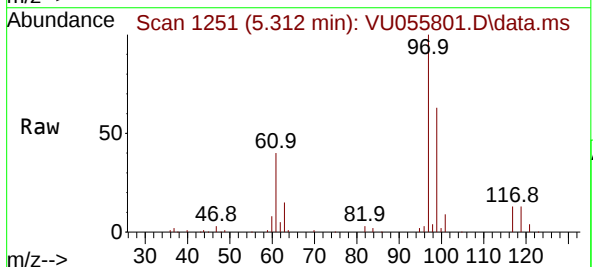
Tgt Ion: 97 Resp: 85134

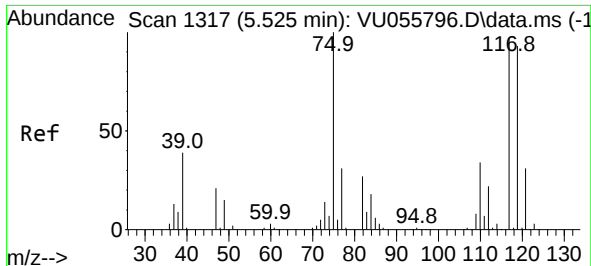
Ion Ratio Lower Upper

97 100

99 64.2 32.0 96.2

61 41.5 22.9 68.5





#29

1,1-Dichloropropene

Concen: 1.851 ug/l

RT: 5.525 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

Tgt Ion: 75 Resp: 67269

Ion Ratio Lower Upper

75 100

110 34.9 18.0 54.0

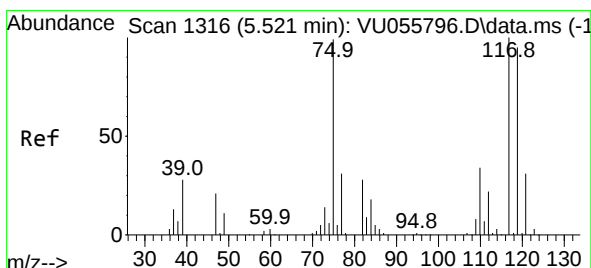
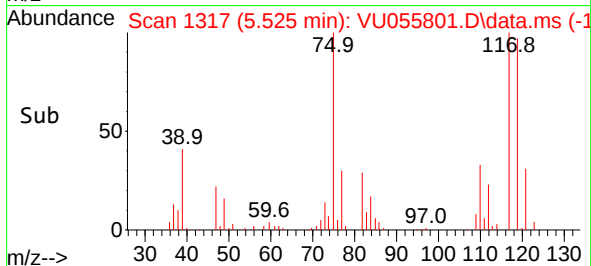
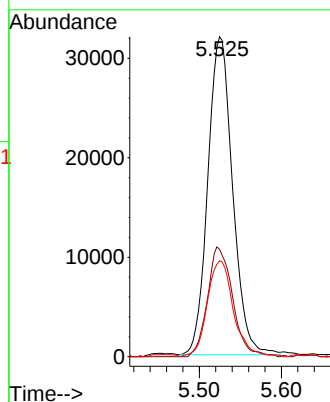
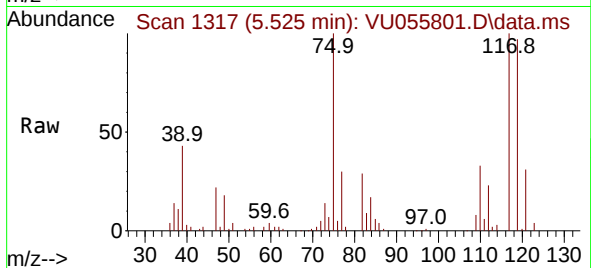
77 31.7 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#30

Carbon Tetrachloride

Concen: 1.844 ug/l

RT: 5.521 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

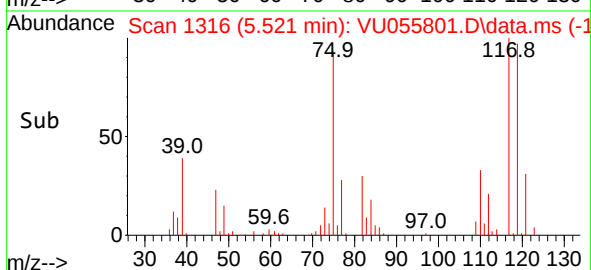
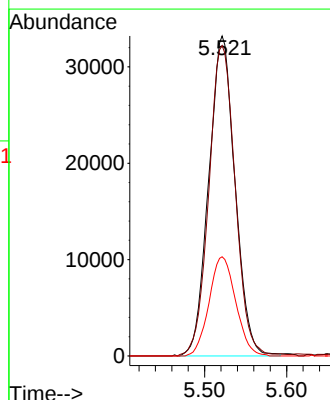
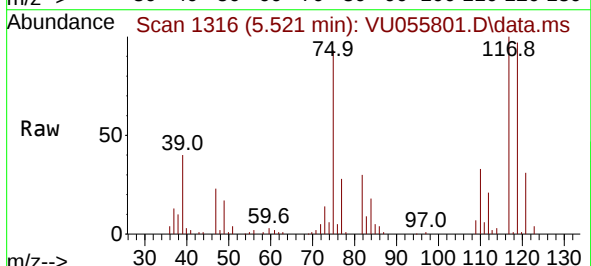
Tgt Ion:117 Resp: 73860

Ion Ratio Lower Upper

117 100

119 96.5 77.4 116.0

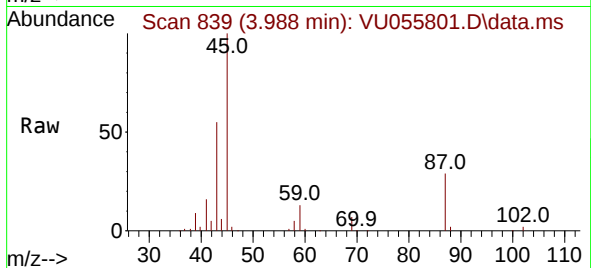
121 31.0 24.0 36.0





#31
Isopropyl Ether
Concen: 1.895 ug/l
RT: 3.988 min Scan# 839
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

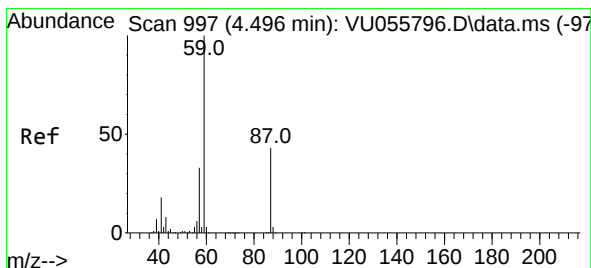
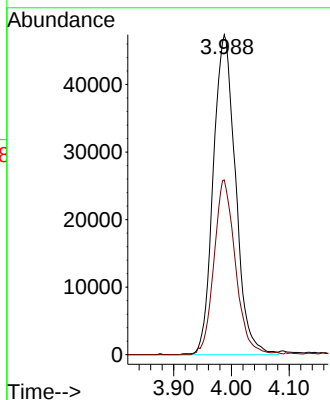
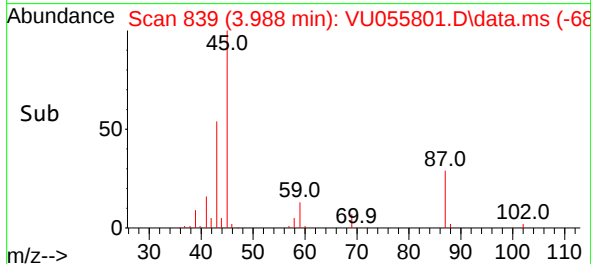
Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01



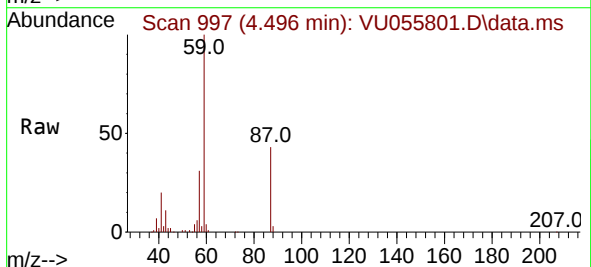
Tgt Ion: 45 Resp: 126992
Ion Ratio Lower Upper
45 100
43 52.5 27.5 82.5

Manual Integrations
APPROVED

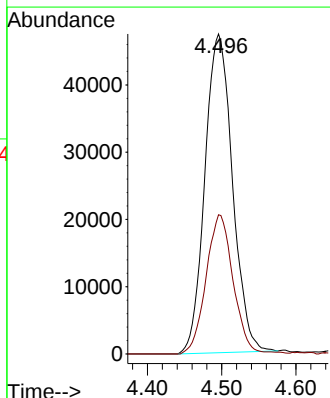
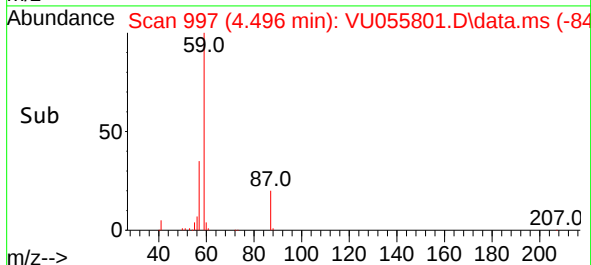
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

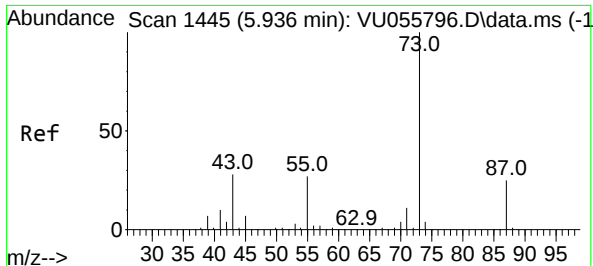


#32
Ethyl-t-butyl ether
Concen: 1.891 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19



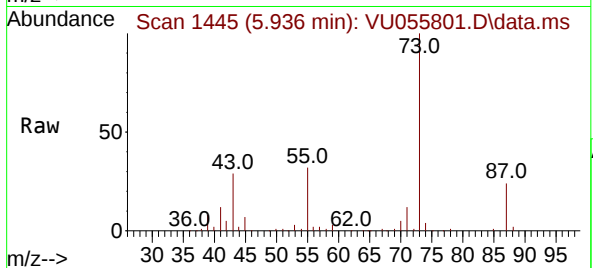
Tgt Ion: 59 Resp: 122336
Ion Ratio Lower Upper
59 100
87 42.6 33.5 50.3





#33
Tert-Amyl methyl ether
Concen: 1.830 ug/l
RT: 5.936 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

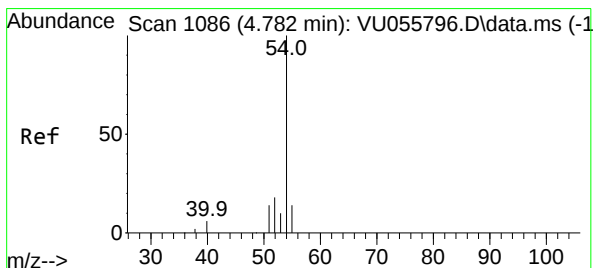
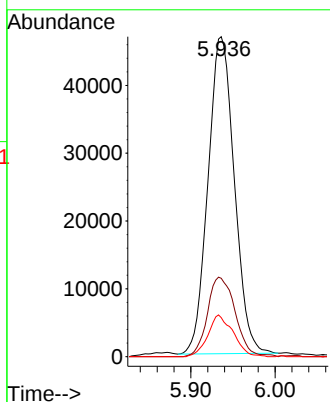
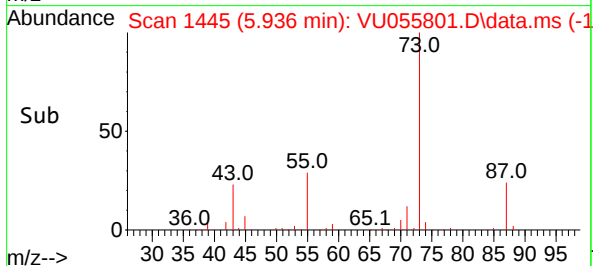
Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01



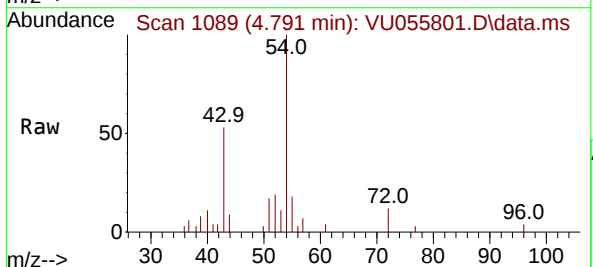
Tgt Ion: 73 Resp: 101414
Ion Ratio Lower Upper
73 100
87 26.4 18.6 28.0
71 12.7 9.9 14.9

Manual Integrations
APPROVED

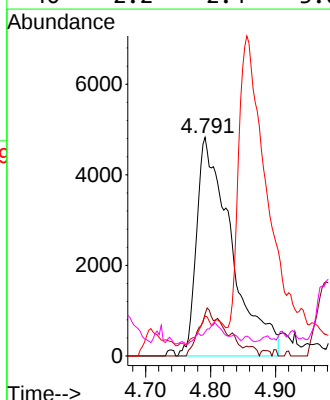
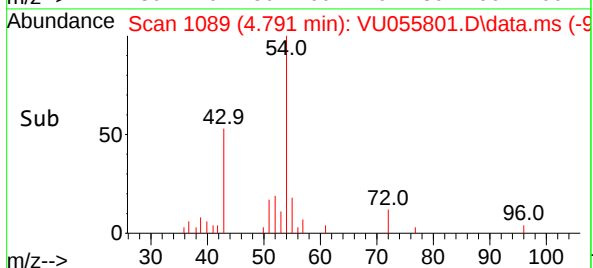
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

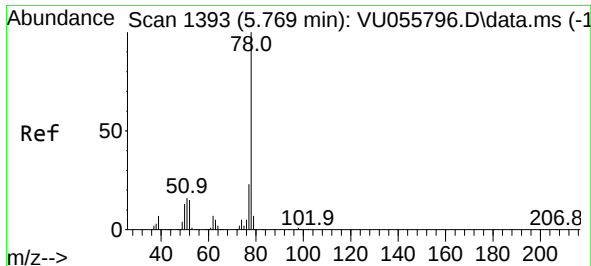


#34
Propionitrile
Concen: 10.385 ug/l
RT: 4.791 min Scan# 1089
Delta R.T. 0.009 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19



Tgt Ion: 54 Resp: 17955
Ion Ratio Lower Upper
54 100
52 13.7 17.4 26.0#
55 4.4 104.1 156.1#
40 2.2 2.4 3.6#





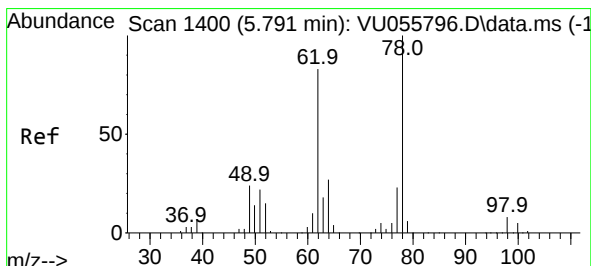
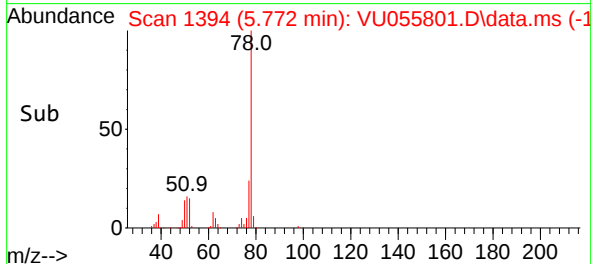
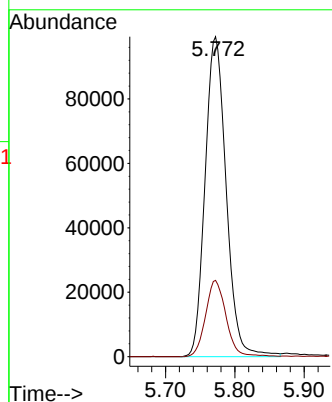
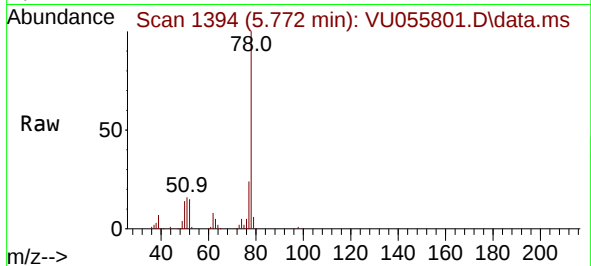
#35
Benzene
Concen: 1.907 ug/l
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01

Tgt Ion: 78 Resp: 20988
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3

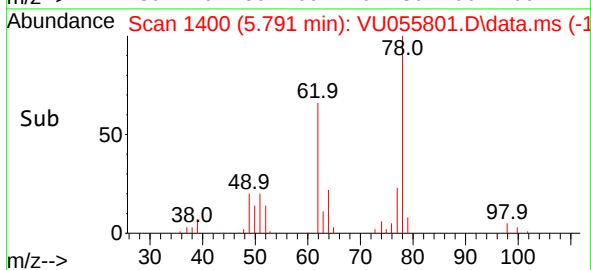
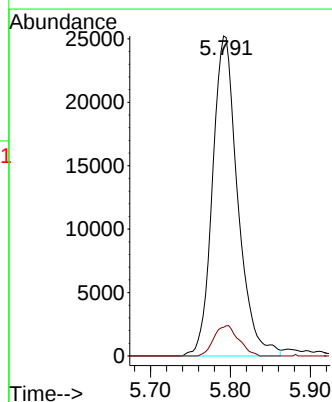
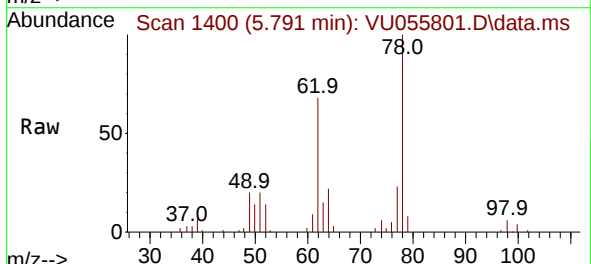
Manual Integrations
APPROVED

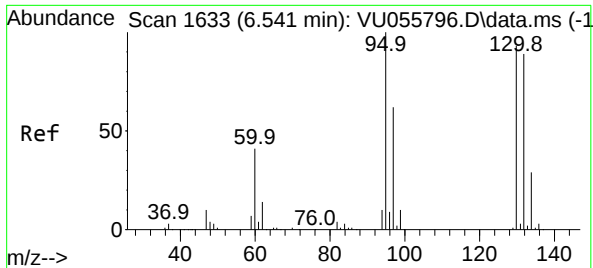
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#36
1,2-Dichloroethane
Concen: 1.848 ug/l
RT: 5.791 min Scan# 1400
Delta R.T. 0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Tgt Ion: 62 Resp: 55245
Ion Ratio Lower Upper
62 100
98 9.3 7.3 10.9





#37

Trichloroethene

Concen: 1.905 ug/l

RT: 6.541 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

Tgt Ion:130 Resp: 5455

Ion Ratio Lower Upper

130 100

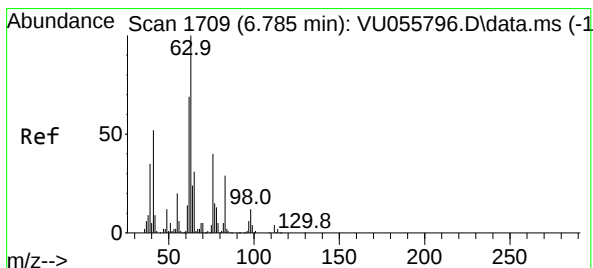
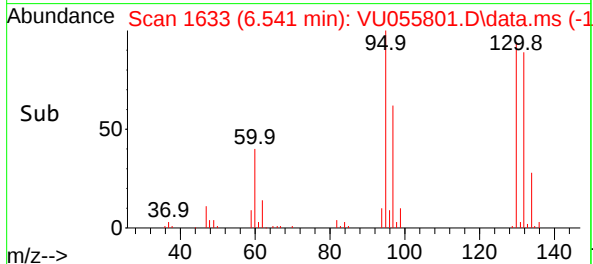
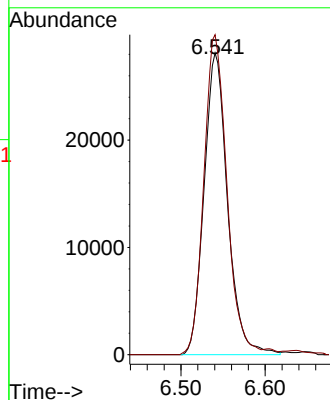
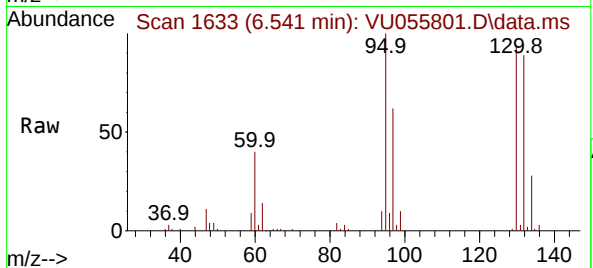
95 106.0 85.0 127.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#38

1,2-Dichloropropane

Concen: 1.893 ug/l

RT: 6.788 min Scan# 1710

Delta R.T. 0.003 min

Lab File: VU055801.D

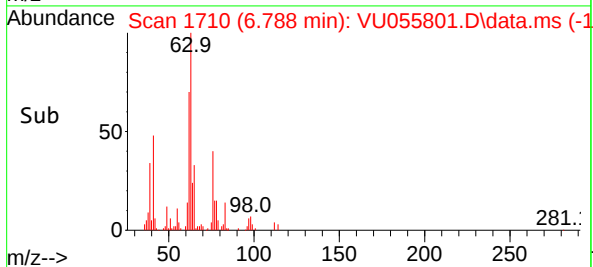
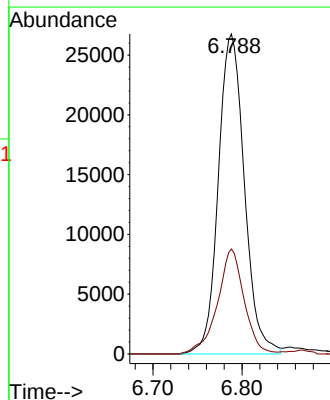
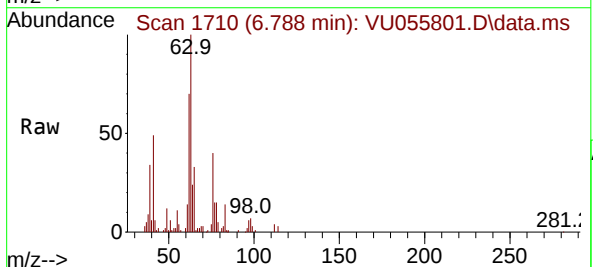
Acq: 18 Oct 2023 16:19

Tgt Ion: 63 Resp: 54416

Ion Ratio Lower Upper

63 100

65 32.8 24.9 37.3





#39

Methacrylonitrile

Concen: 1.839 ug/l

RT: 4.978 min Scan# 1144

Delta R.T. 0.010 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

Tgt Ion: 41 Resp: 1185

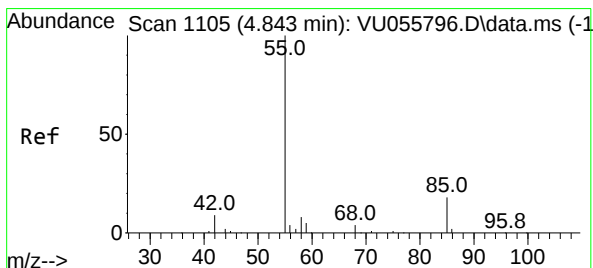
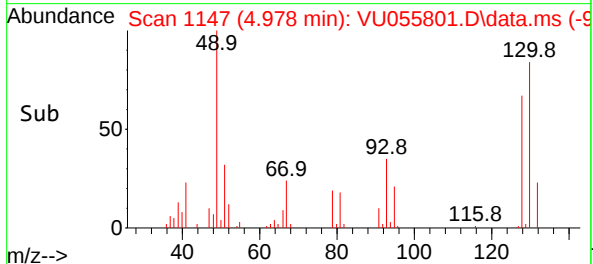
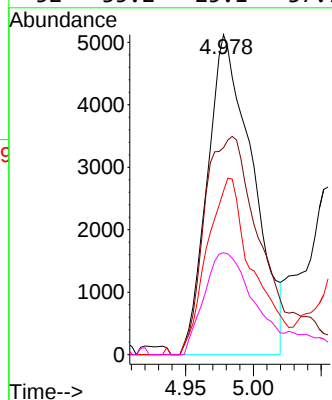
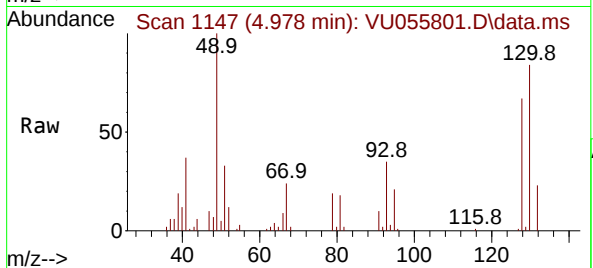
Ion	Ratio	Lower	Upper
41	100		
67	90.4	66.8	100.2
39	56.7	41.2	61.8
52	35.2	25.1	37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#40

Methyl acrylate

Concen: 1.850 ug/l

RT: 4.856 min Scan# 1109

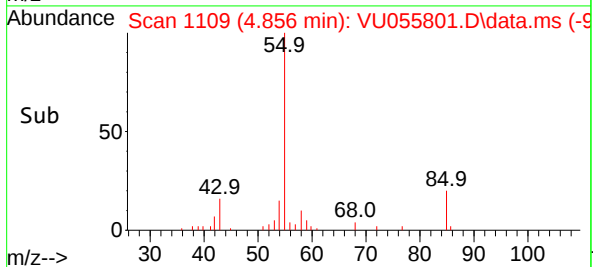
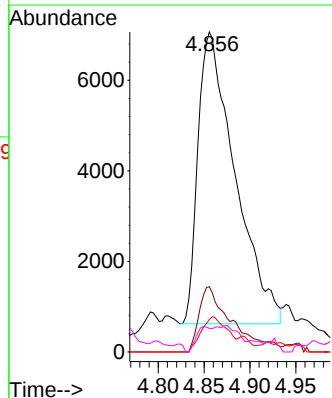
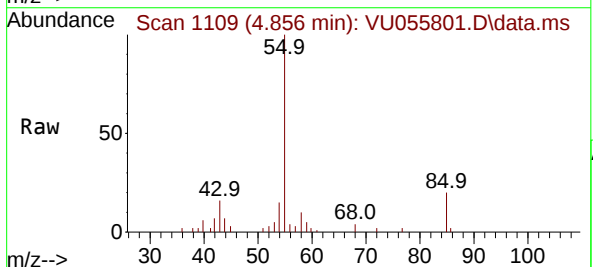
Delta R.T. 0.013 min

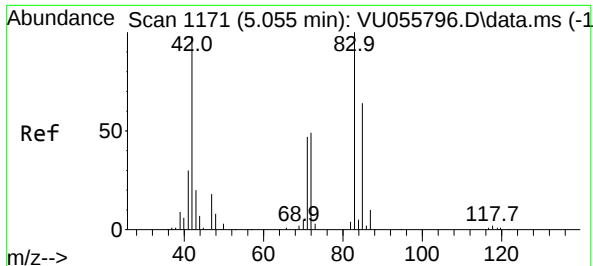
Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Tgt Ion: 55 Resp: 18122

Ion	Ratio	Lower	Upper
55	100		
85	19.8	13.3	19.9
58	8.4	6.5	9.7
42	3.7	5.9	8.9





#41

Tetrahydrofuran

Concen: 3.622 ug/l

RT: 5.062 min Scan# 1171

Delta R.T. 0.007 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

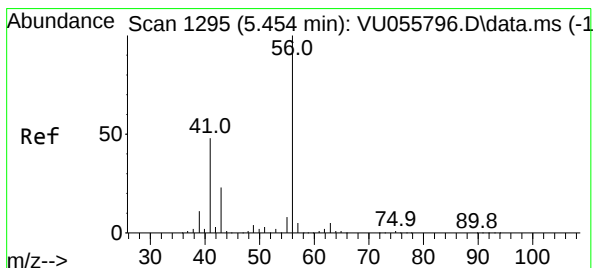
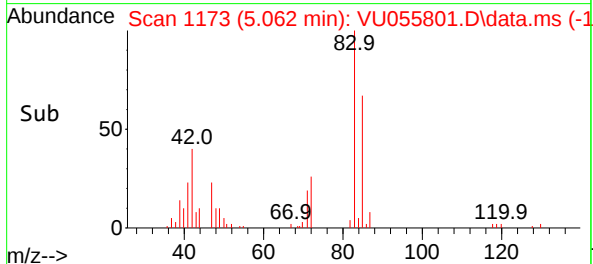
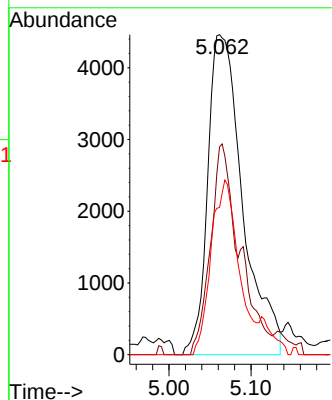
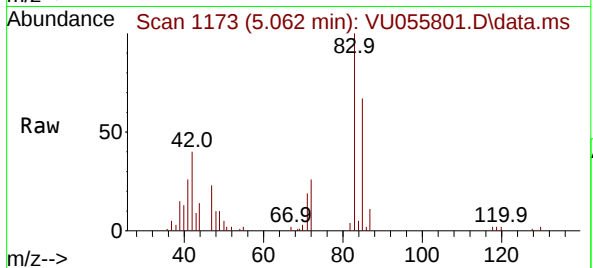
Tgt Ion:	42	Resp:	13230
Ion Ratio	Lower	Upper	
42	100		
72	41.7	40.9	61.3
71	43.5	36.9	55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#42

1-Chlorobutane

Concen: 1.878 ug/l

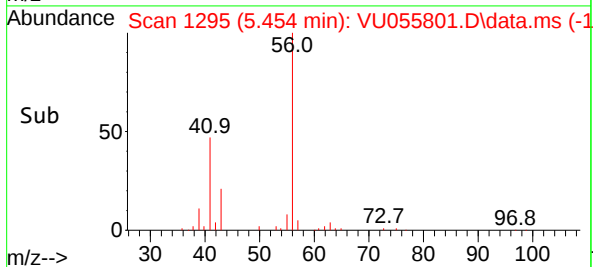
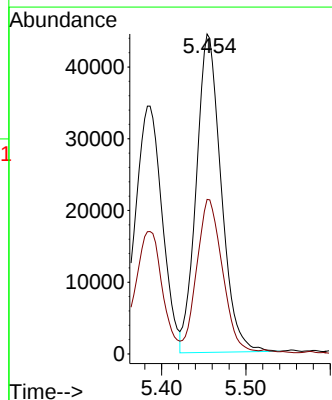
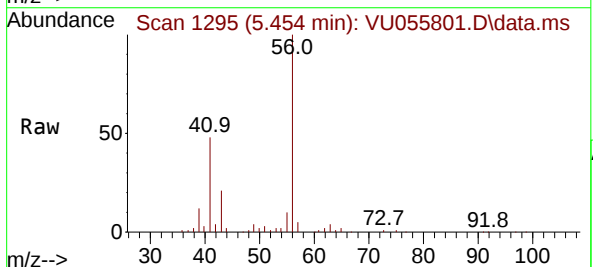
RT: 5.454 min Scan# 1295

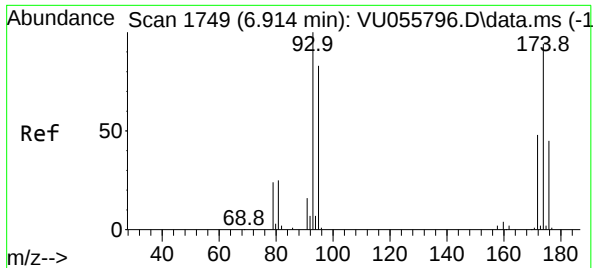
Delta R.T. -0.000 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Tgt Ion:	56	Resp:	90985
Ion Ratio	Lower	Upper	
56	100		
41	48.8	25.2	75.6





#43

Dibromomethane

Concen: 1.904 ug/l

RT: 6.917 min Scan# 1750

Delta R.T. 0.003 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

Tgt Ion: 93 Resp: 2601

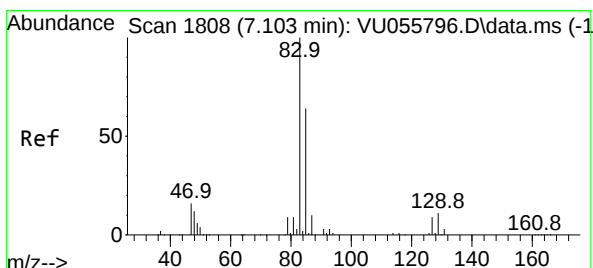
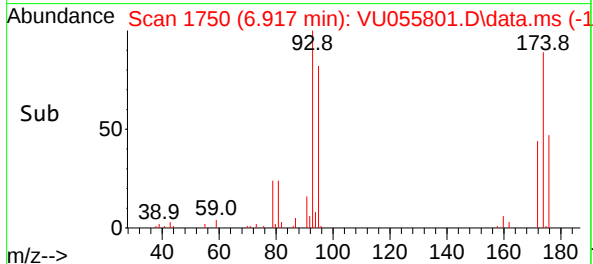
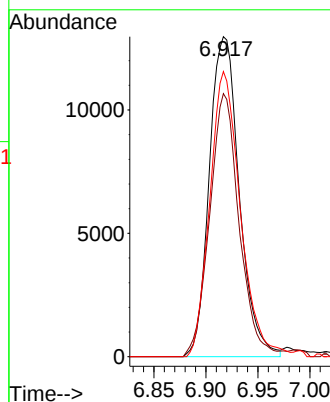
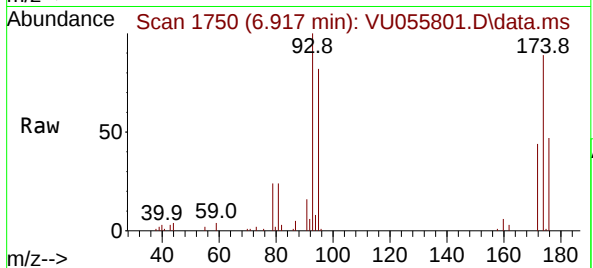
Ion	Ratio	Lower	Upper
93	100		
95	80.5	67.0	100.6
174	90.7	73.8	110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#44

Bromodichloromethane

Concen: 1.932 ug/l

RT: 7.103 min Scan# 1808

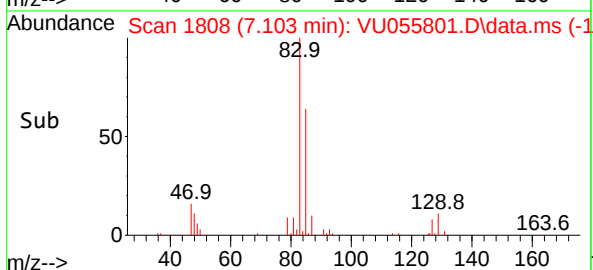
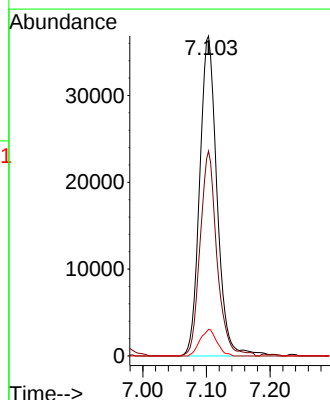
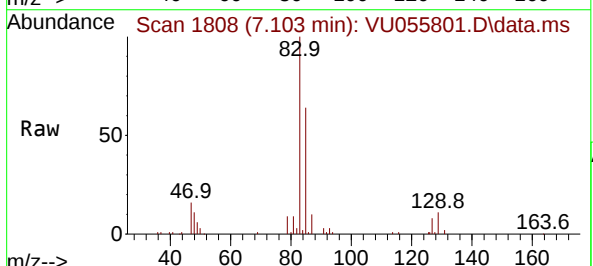
Delta R.T. 0.000 min

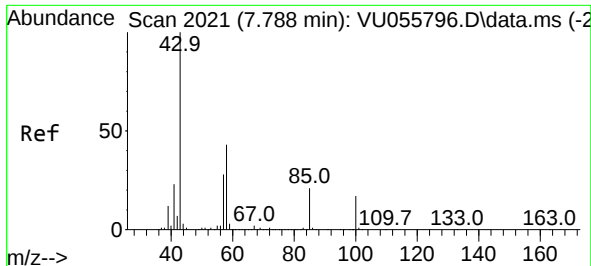
Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Tgt Ion: 83 Resp: 69747

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.9	77.9
127	8.8	6.7	10.1





#45

4-Methyl-2-Pentanone

Concen: 8.941 ug/l

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

Tgt Ion: 43 Resp: 12631

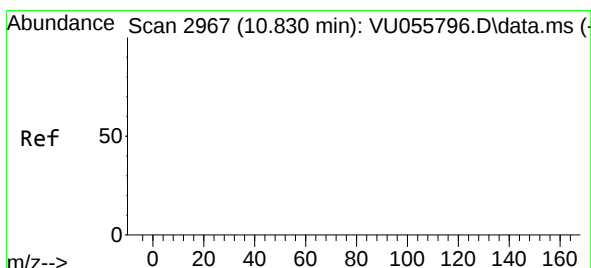
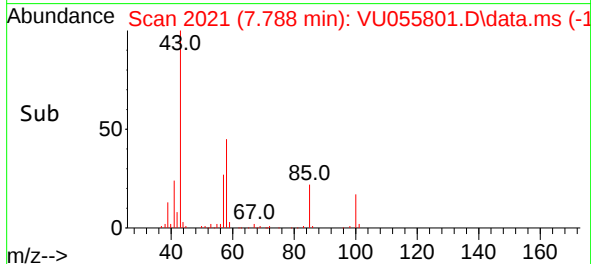
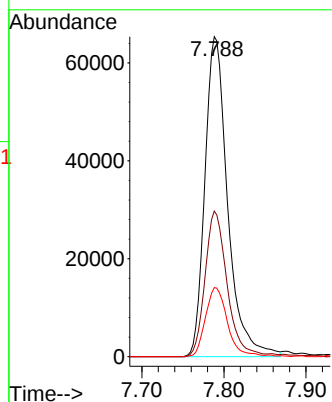
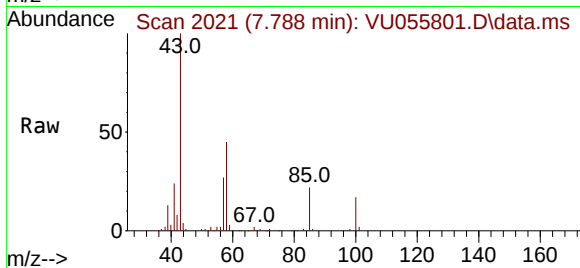
Ion	Ratio	Lower	Upper
43	100		
58	43.9	20.9	62.8
85	20.7	14.6	21.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#46

t-1,4-Dichloro-2-butene

Concen: 3.469 ug/l m

RT: 10.830 min Scan# 2967

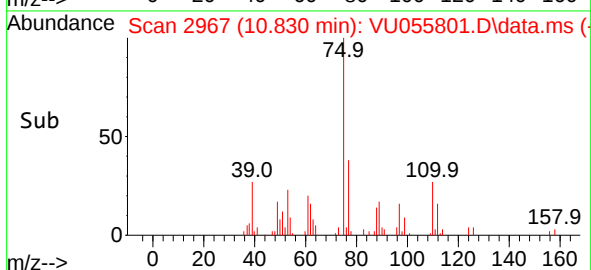
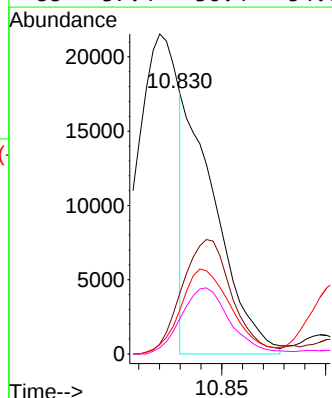
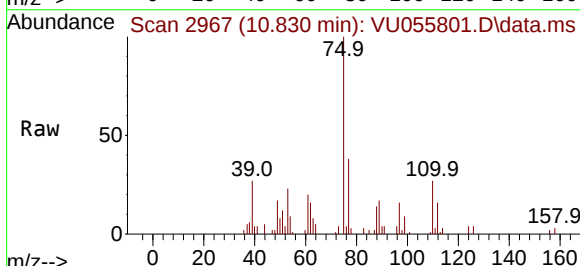
Delta R.T. -0.000 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Tgt Ion: 75 Resp: 19496

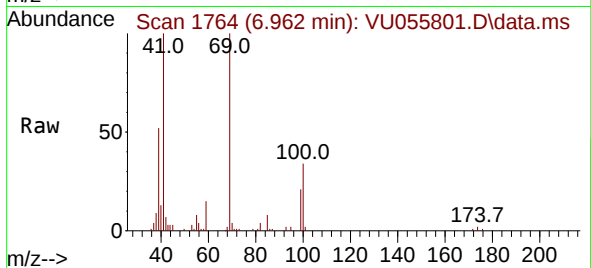
Ion	Ratio	Lower	Upper
75	100		
53	66.1	73.3	109.9#
89	49.8	48.2	72.4
88	37.4	36.4	54.6





#47
Methyl methacrylate
Concen: 3.936 ug/l
RT: 6.962 min Scan# 1763
Delta R.T. 0.003 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

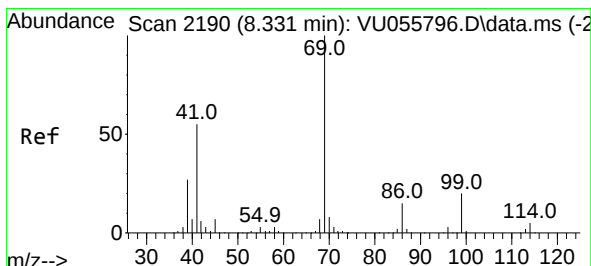
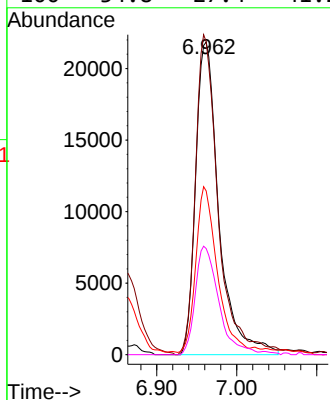
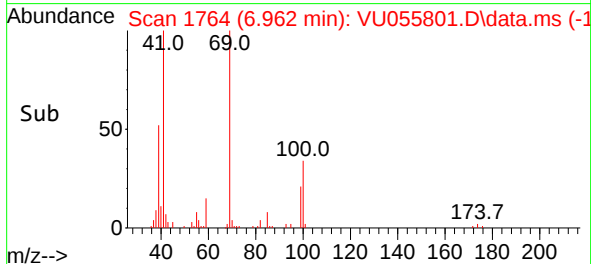
Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01



Tgt Ion: 69 Resp: 44350
Ion Ratio Lower Upper
69 100
41 100.4 0.0 209.2
39 48.6 46.7 70.1
100 34.8 27.4 41.2

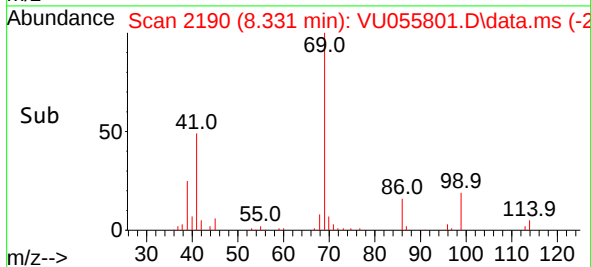
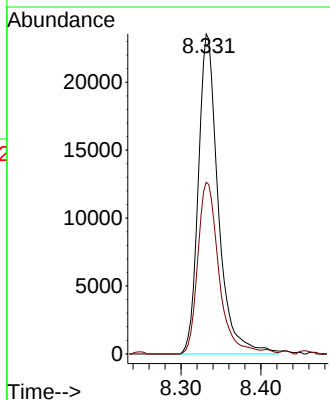
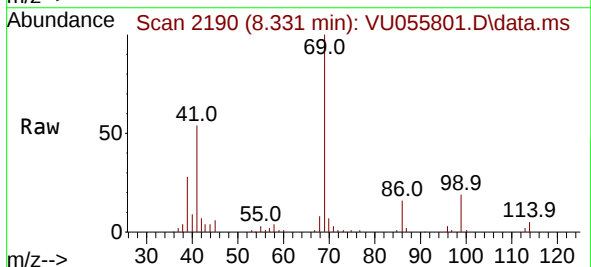
Manual Integrations
APPROVED

Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#48
Ethyl methacrylate
Concen: 2.005 ug/l
RT: 8.331 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Tgt Ion: 69 Resp: 40843
Ion Ratio Lower Upper
69 100
41 56.6 30.3 90.8





#49

Toluene

Concen: 1.899 ug/l

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

Tgt Ion: 92 Resp: 12371

Ion Ratio Lower Upper

92 100

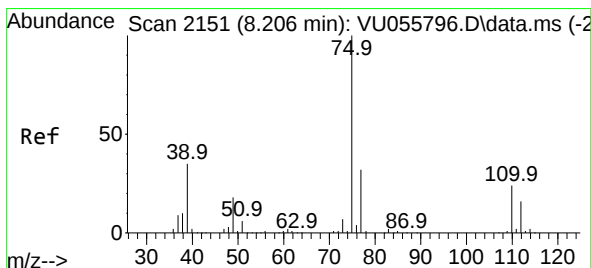
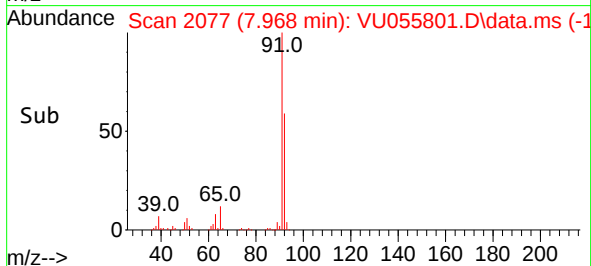
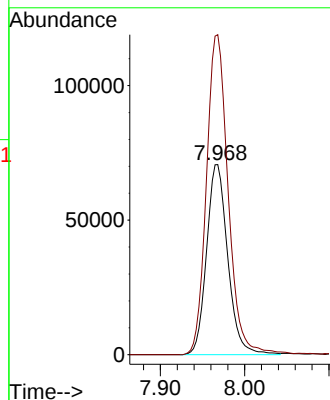
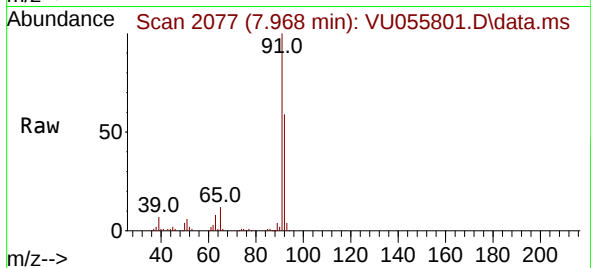
91 172.7 143.0 214.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#50

t-1,3-Dichloropropene

Concen: 1.828 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU055801.D

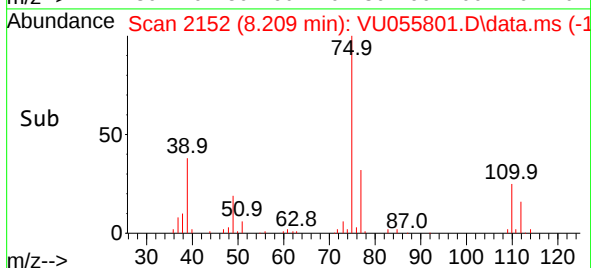
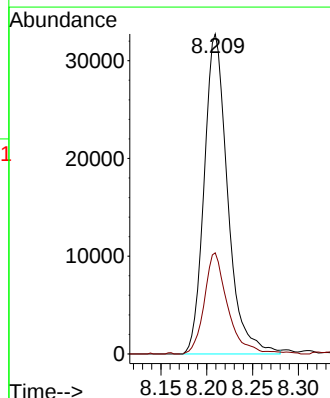
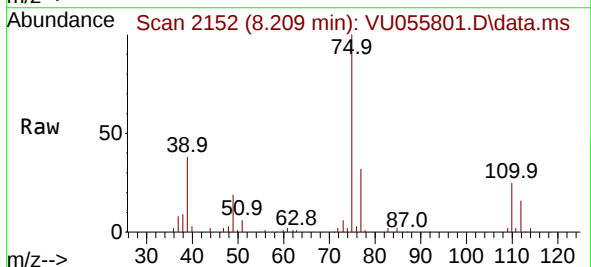
Acq: 18 Oct 2023 16:19

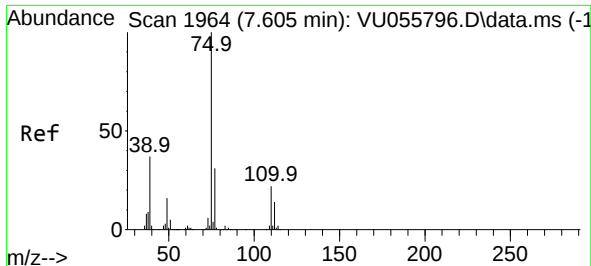
Tgt Ion: 75 Resp: 58412

Ion Ratio Lower Upper

75 100

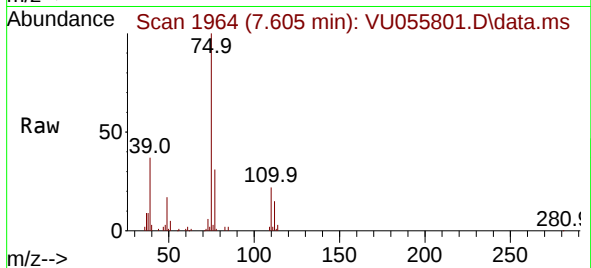
77 31.6 25.3 37.9





#51
cis-1,3-Dichloropropene
Concen: 1.840 ug/l
RT: 7.605 min Scan# 1964
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

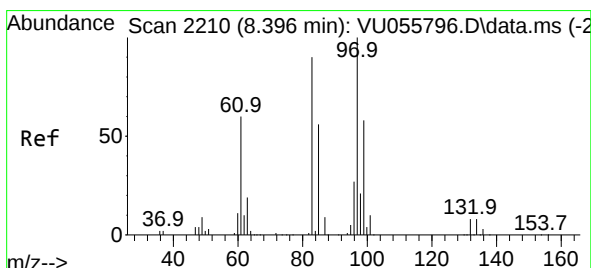
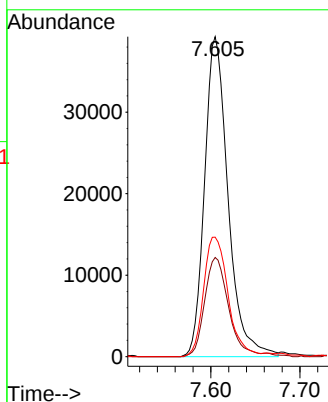
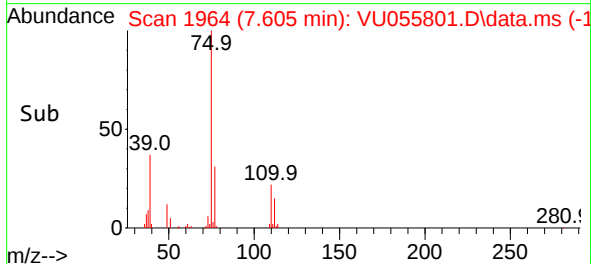
Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01



Tgt Ion: 75 Resp: 71936
Ion Ratio Lower Upper
75 100
77 31.0 25.7 38.5
39 37.4 32.8 49.2

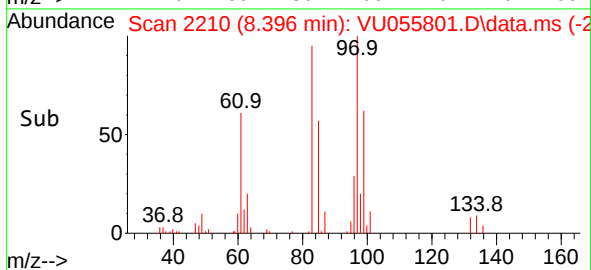
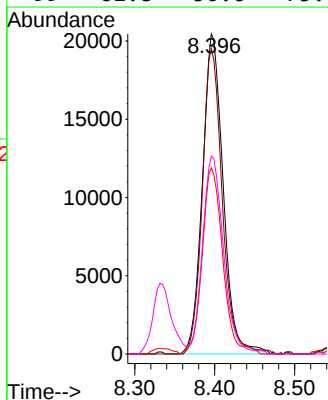
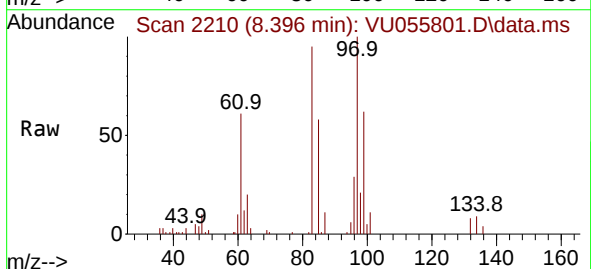
Manual Integrations
APPROVED

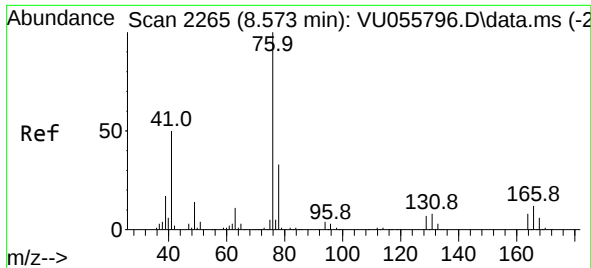
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#52
1,1,2-Trichloroethane
Concen: 1.891 ug/l
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

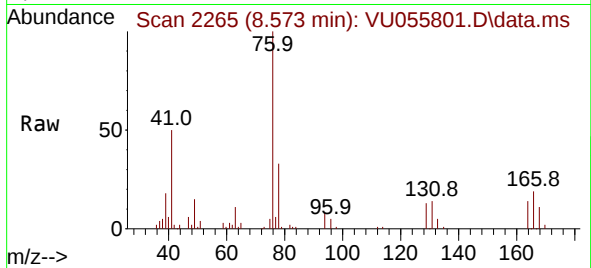
Tgt Ion: 97 Resp: 36897
Ion Ratio Lower Upper
97 100
83 95.5 71.8 107.8
85 58.2 45.2 67.8
99 61.8 50.6 75.8





#53
1,3-Dichloropropane
Concen: 1.915 ug/l
RT: 8.573 min Scan# 2100
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

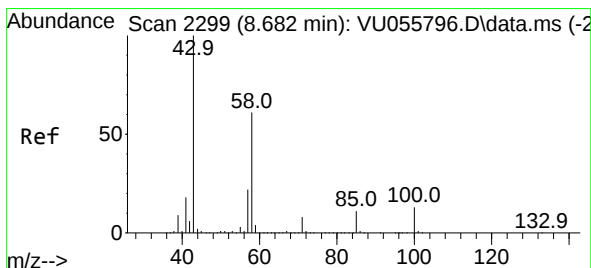
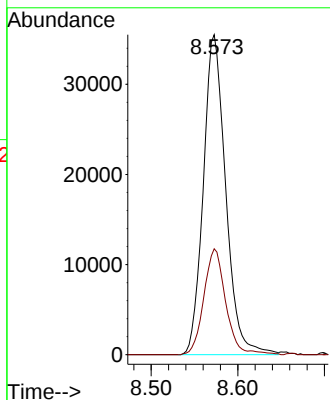
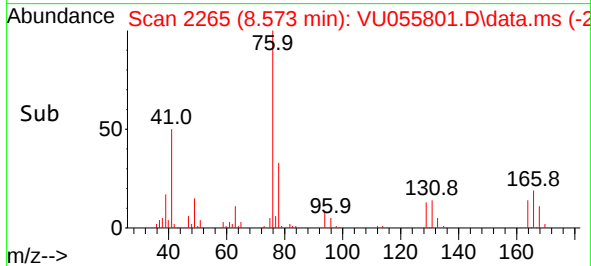
Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01



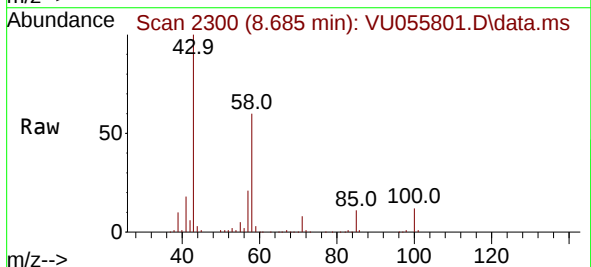
Tgt Ion: 76 Resp: 63859
Ion Ratio Lower Upper
76 100
78 32.3 25.9 38.9

Manual Integrations
APPROVED

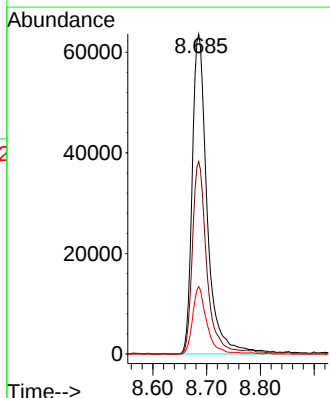
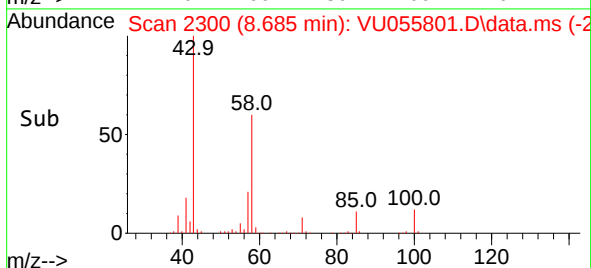
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#54
2-Hexanone
Concen: 7.798 ug/l
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19



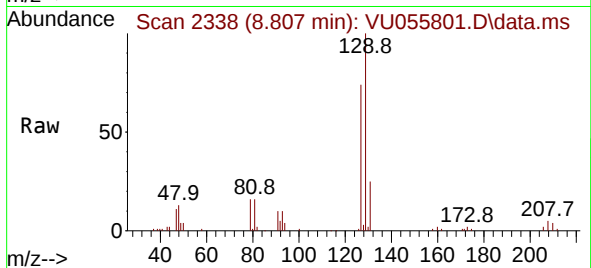
Tgt Ion: 43 Resp: 123423
Ion Ratio Lower Upper
43 100
58 57.3 38.2 78.2
57 19.8 0.0 39.1





#55
Dibromochloromethane
Concen: 1.796 ug/l
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

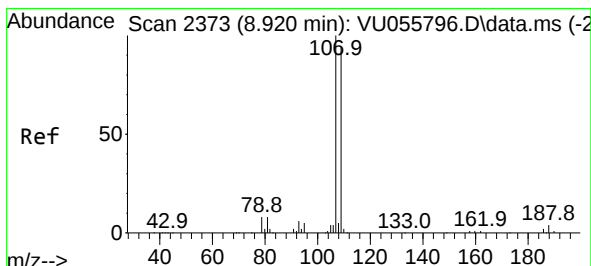
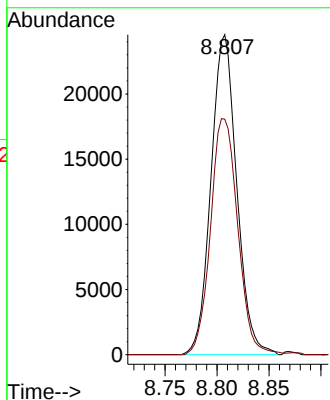
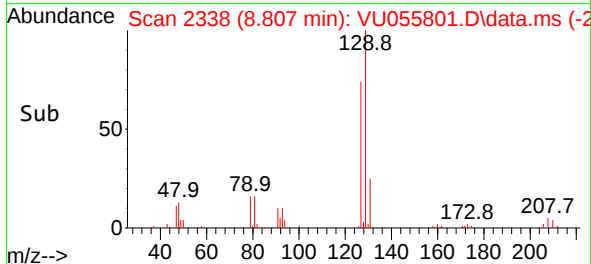
Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01



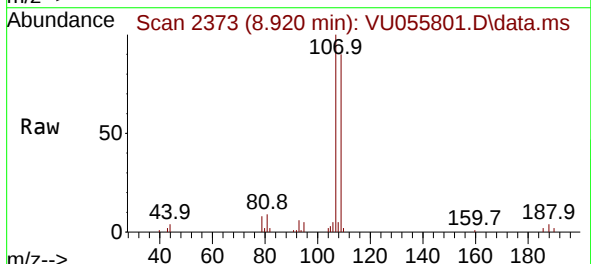
Tgt Ion:129 Resp: 42308
Ion Ratio Lower Upper
129 100
127 77.8 61.4 92.0

Manual Integrations
APPROVED

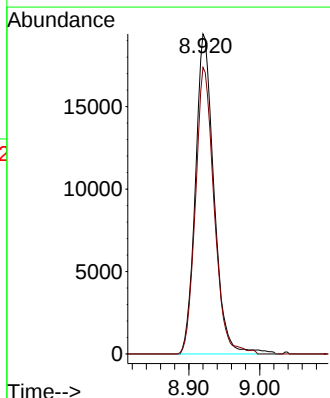
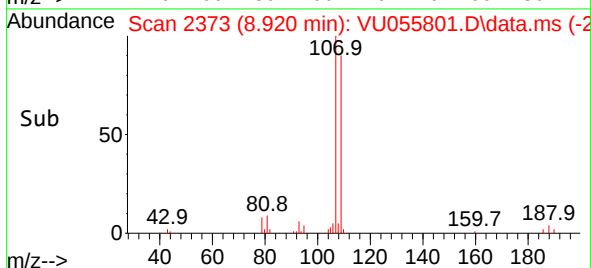
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

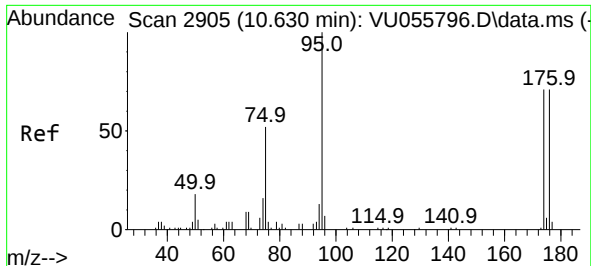


#56
1,2-Dibromoethane
Concen: 1.980 ug/l
RT: 8.920 min Scan# 2373
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19



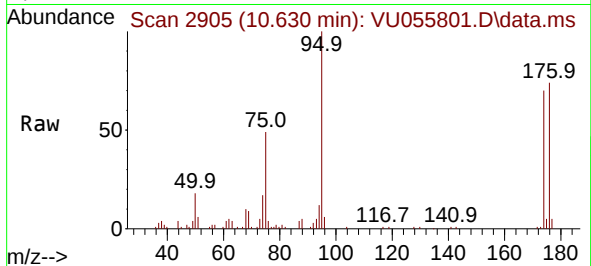
Tgt Ion:107 Resp: 35304
Ion Ratio Lower Upper
107 100
109 89.8 0.0 184.4





#57
4-Bromofluorobenzene
Concen: 0.996 ug/l
RT: 10.630 min Scan# 2905
Delta R.T. 0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

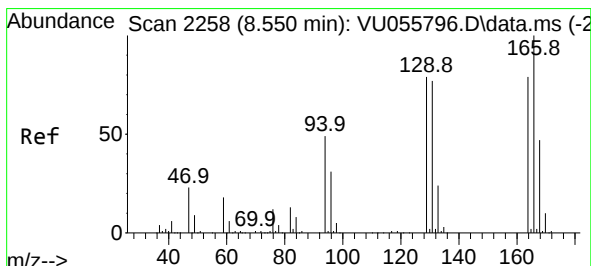
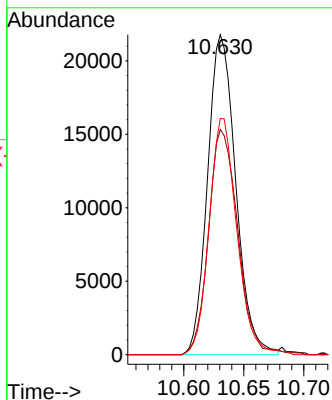
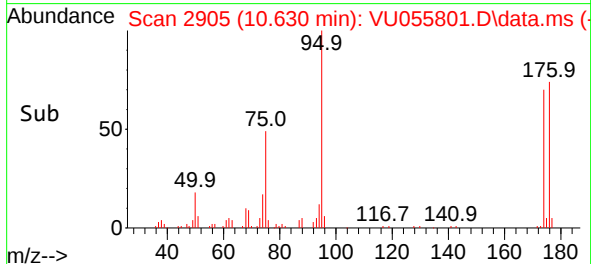
Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01



Tgt Ion: 95 Resp: 35634
Ion Ratio Lower Upper
95 100
174 73.0 63.3 94.9
176 72.7 59.3 88.9

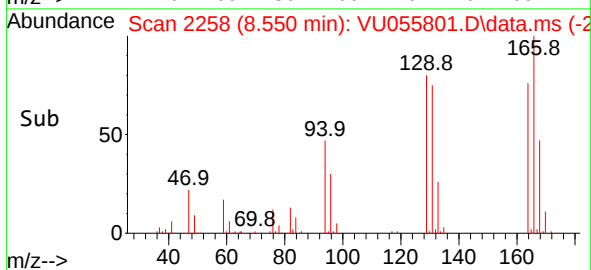
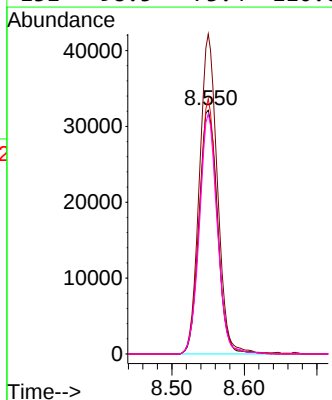
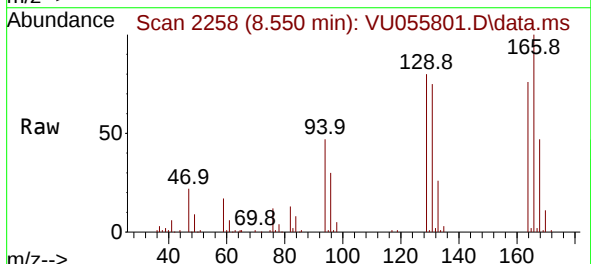
Manual Integrations
APPROVED

Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#58
Tetrachloroethene
Concen: 1.925 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Tgt Ion:164 Resp: 57328
Ion Ratio Lower Upper
164 100
166 131.3 99.6 149.4
129 104.7 78.6 117.8
131 98.5 73.4 110.0





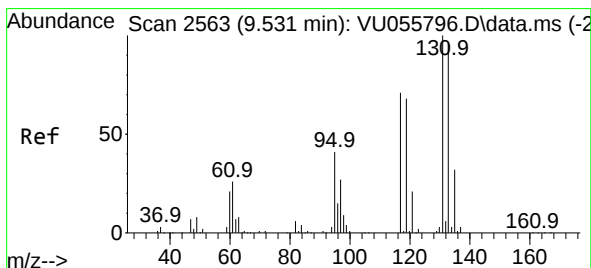
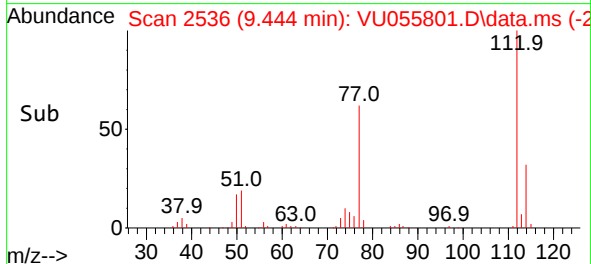
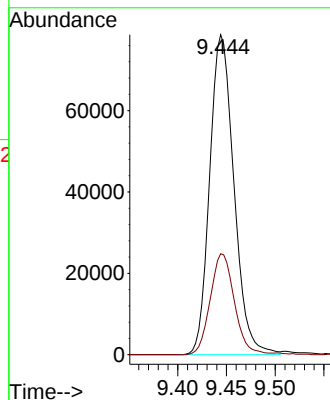
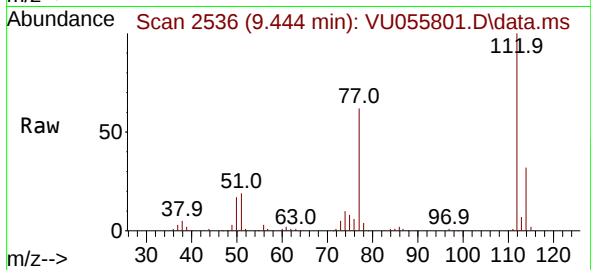
#59
Chlorobenzene
Concen: 1.894 ug/l
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01

Tgt Ion:112 Resp: 136230
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4

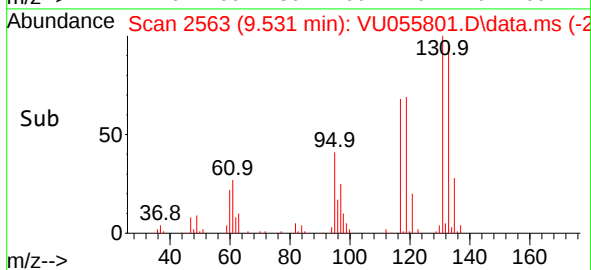
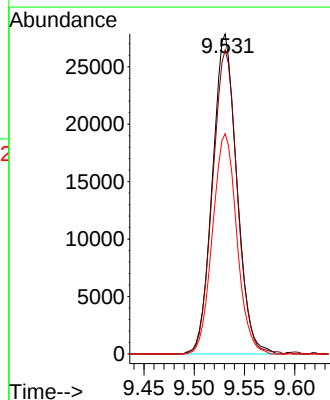
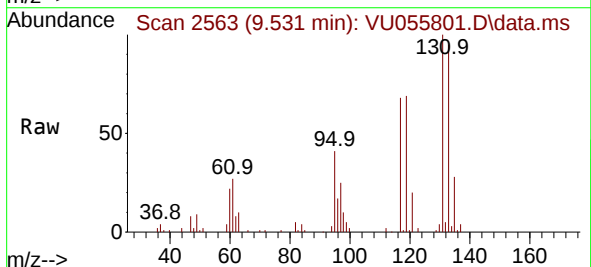
Manual Integrations
APPROVED

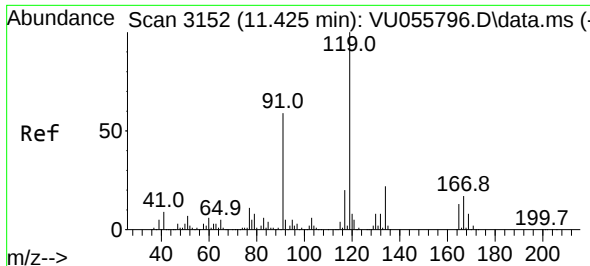
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 1.833 ug/l
RT: 9.531 min Scan# 2563
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Tgt Ion:131 Resp: 46992
Ion Ratio Lower Upper
131 100
133 96.4 77.8 116.6
119 68.4 55.2 82.8





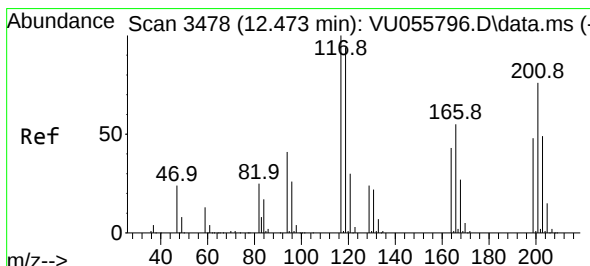
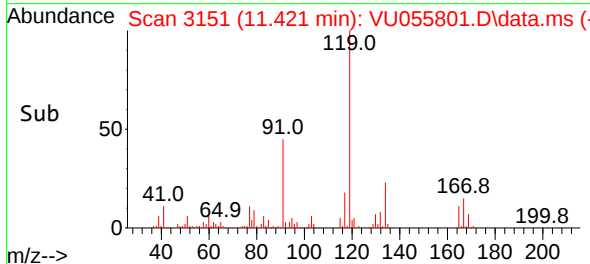
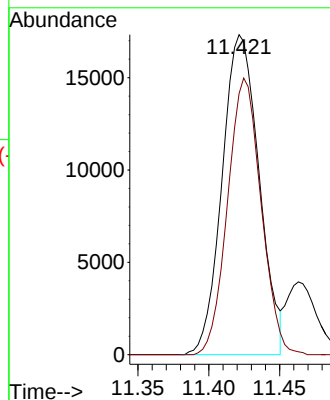
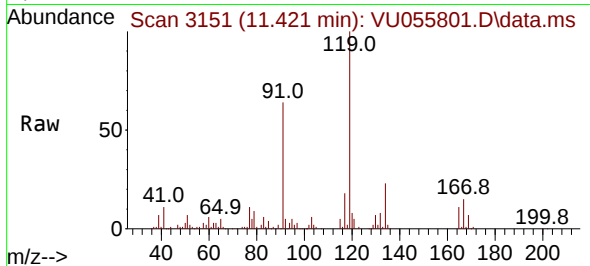
#61
Pentachloroethane
Concen: 1.812 ug/l
RT: 11.421 min Scan# 3152
Delta R.T. -0.004 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01

Tgt Ion:117 Resp: 31450
Ion Ratio Lower Upper
117 100
167 78.3 56.7 85.1

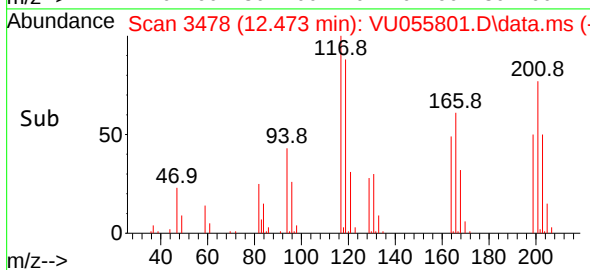
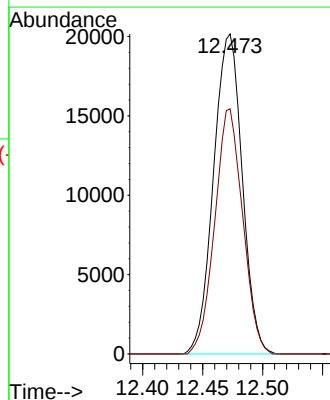
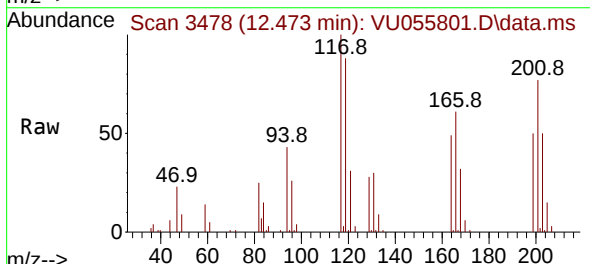
Manual Integrations
APPROVED

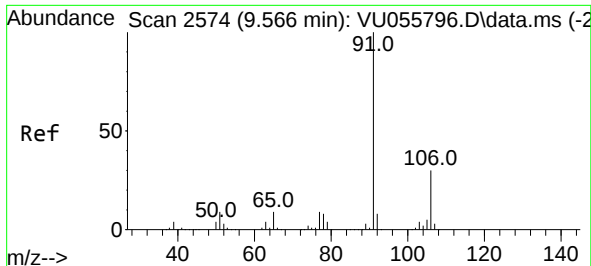
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#62
Hexachloroethane
Concen: 1.964 ug/l
RT: 12.473 min Scan# 3478
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

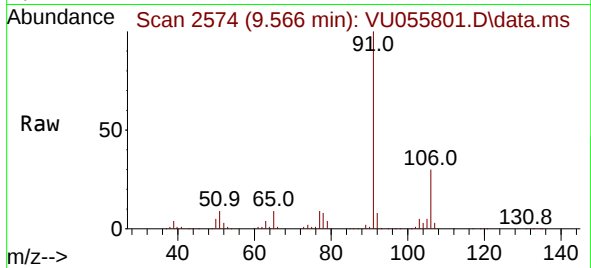
Tgt Ion:117 Resp: 33524
Ion Ratio Lower Upper
117 100
201 74.5 59.6 89.4





#63
Ethyl Benzene
Concen: 1.862 ug/l
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

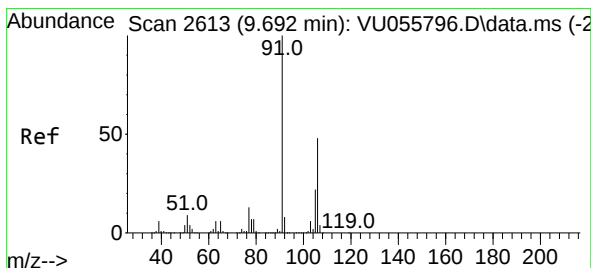
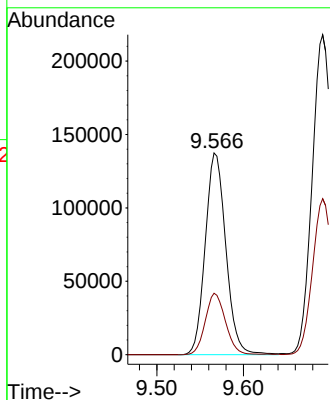
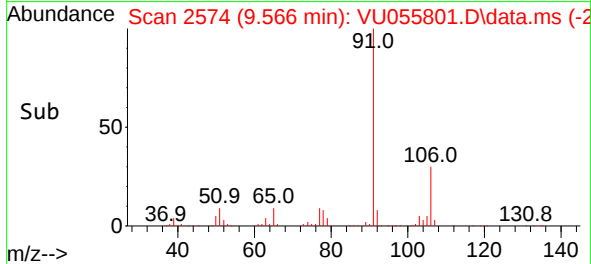
Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01



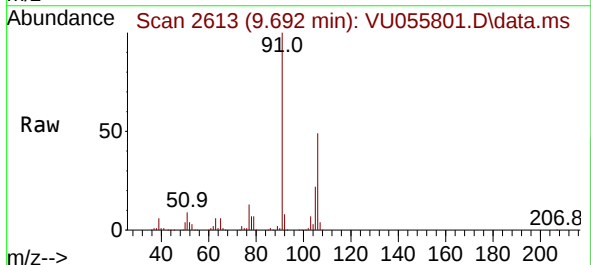
Tgt Ion: 91 Resp: 22728
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.2

Manual Integrations
APPROVED

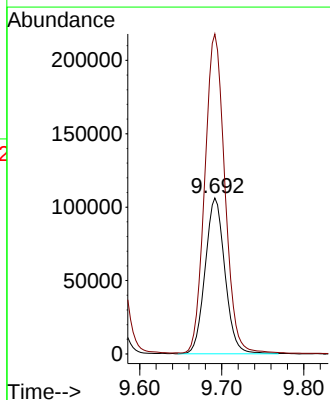
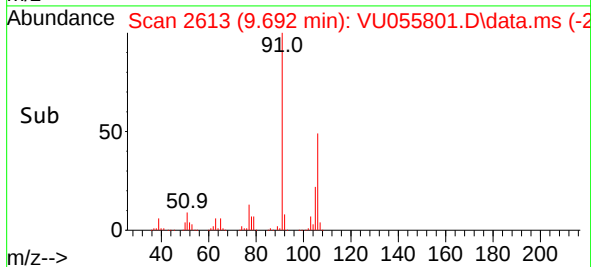
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

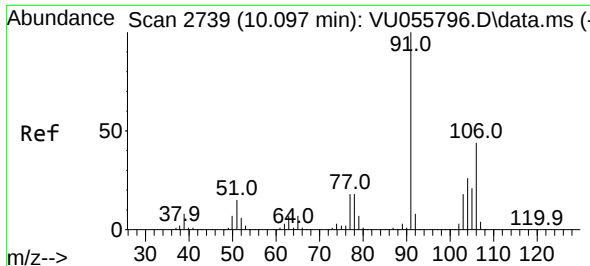


#64
m/p-Xylenes
Concen: 3.783 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19



Tgt Ion:106 Resp: 177552
Ion Ratio Lower Upper
106 100
91 208.1 167.3 250.9





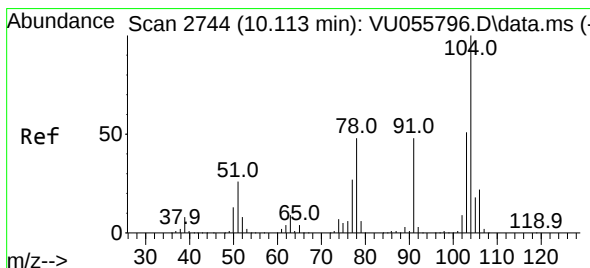
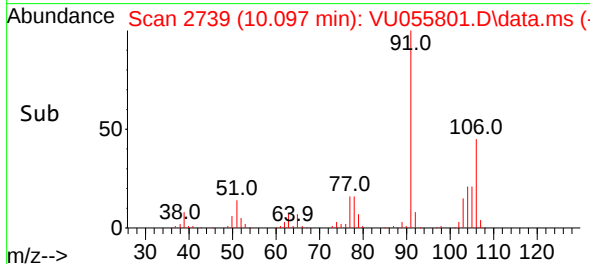
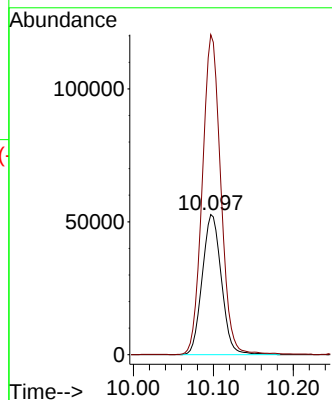
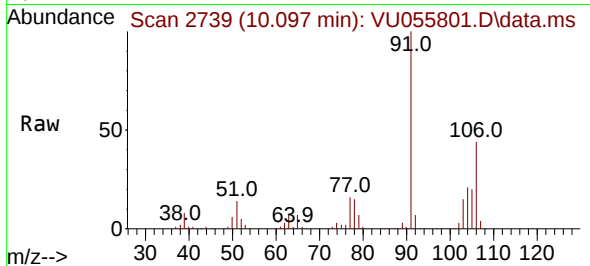
#65
o-Xylene
Concen: 1.913 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01

Tgt Ion:106 Resp: 8811
Ion Ratio Lower Upper
106 100
91 220.2 109.3 327.9

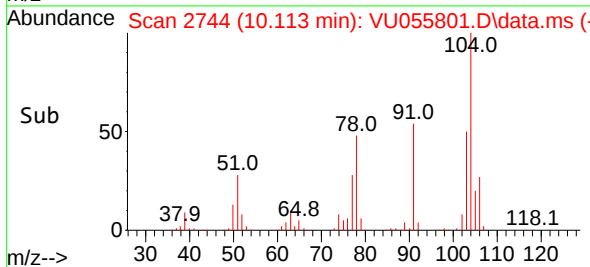
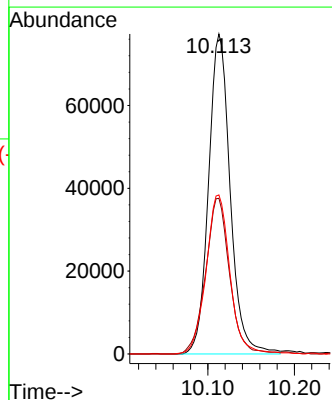
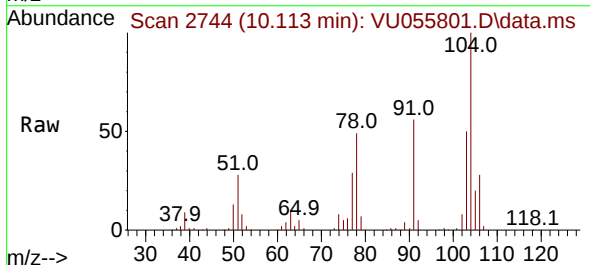
Manual Integrations
APPROVED

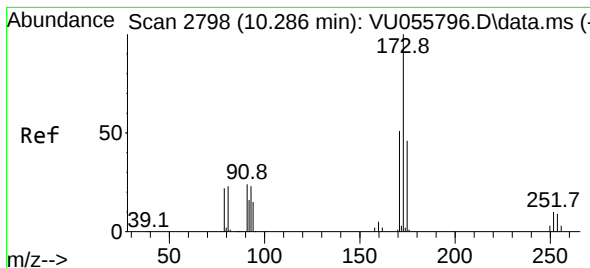
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#66
Styrene
Concen: 1.865 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Tgt Ion:104 Resp: 134290
Ion Ratio Lower Upper
104 100
78 53.7 39.7 59.5
103 54.9 44.8 67.2





#67

Bromoform

Concen: 1.861 ug/l

RT: 10.286 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

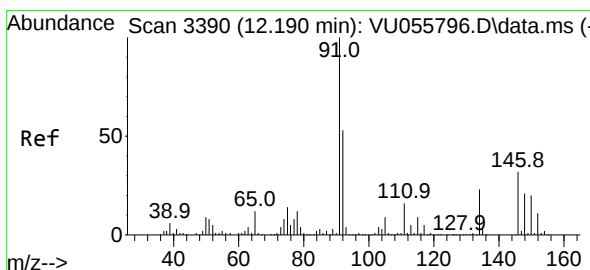
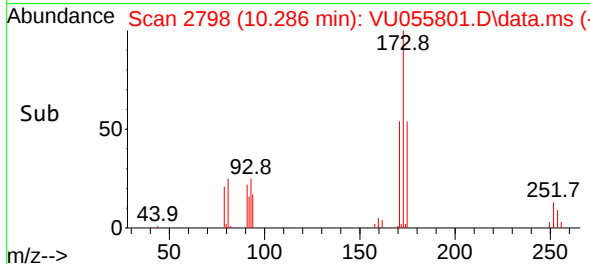
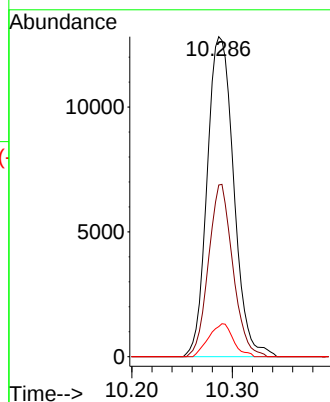
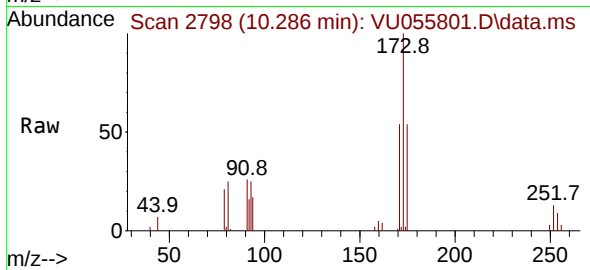
Tgt Ion:173	Resp:	2353
Ion Ratio	Lower	Upper
173	100	
175	49.3	39.0 58.6
254	9.5	7.4 11.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#68

1,2-Dichlorobenzene-d4

Concen: 1.050 ug/l

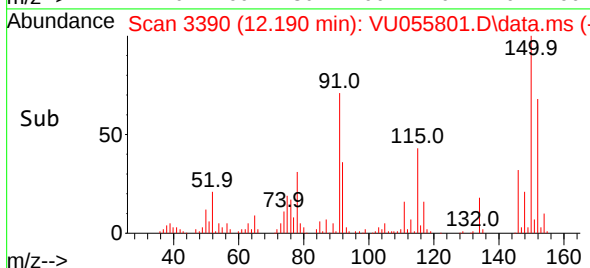
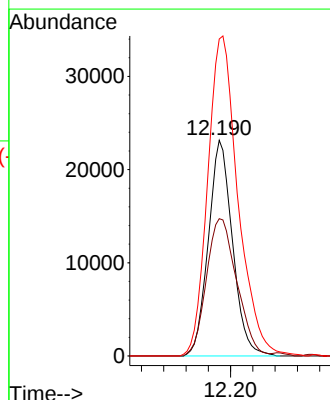
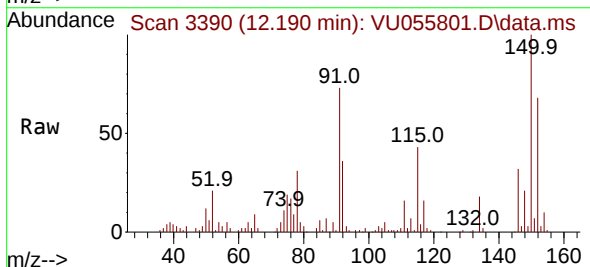
RT: 12.190 min Scan# 3390

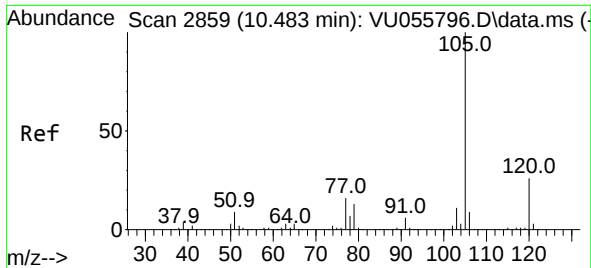
Delta R.T. -0.000 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Tgt Ion:152	Resp:	34821
Ion Ratio	Lower	Upper
152	100	
115	80.0	0.0 308.8
150	186.2	0.0 635.0





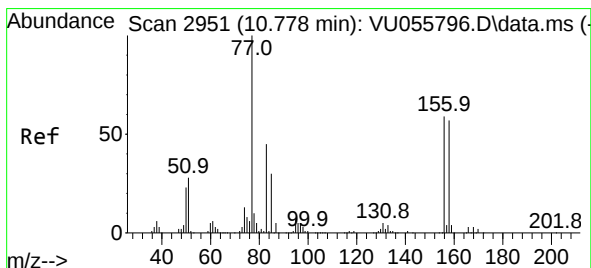
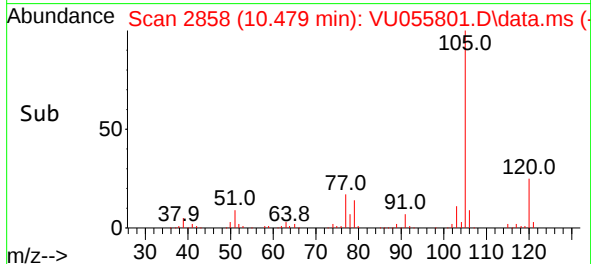
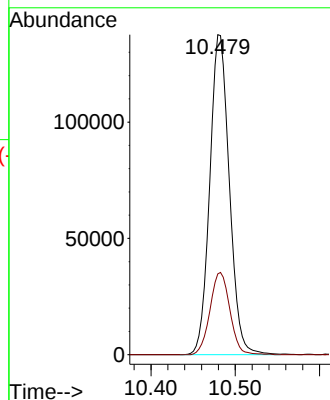
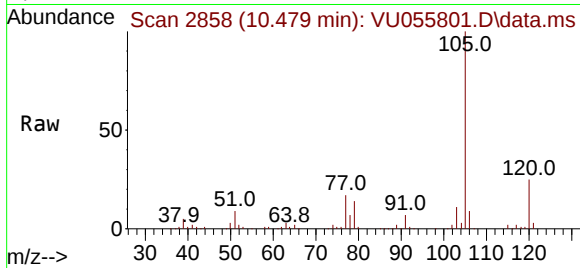
#69
Isopropylbenzene
Concen: 1.873 ug/l
RT: 10.479 min Scan# 21
Delta R.T. -0.004 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01

Tgt Ion:105 Resp: 22210
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.4

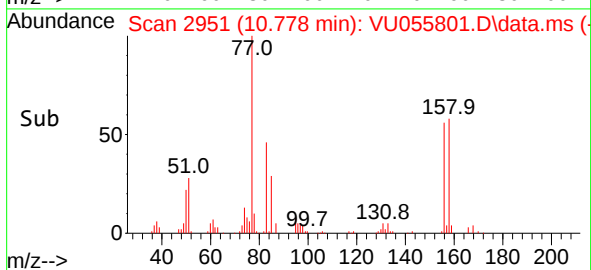
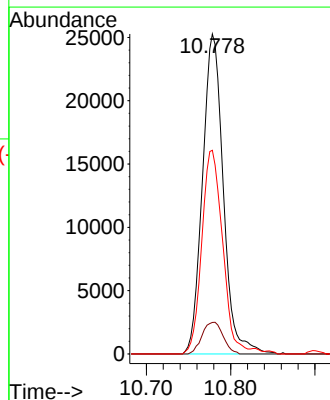
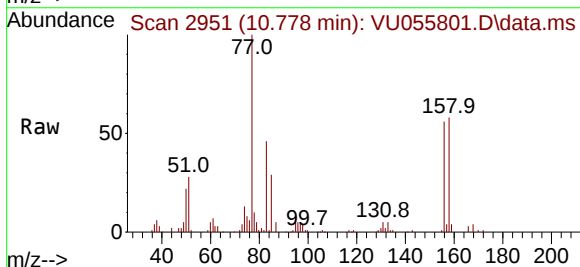
Manual Integrations
APPROVED

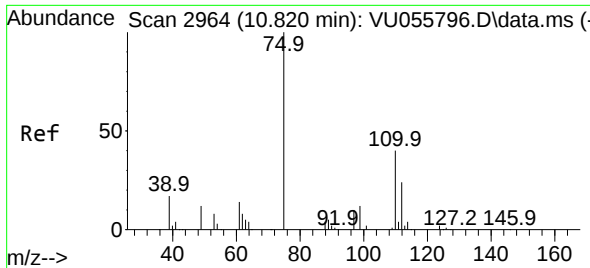
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#70
1,1,2,2-Tetrachloroethane
Concen: 1.905 ug/l
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

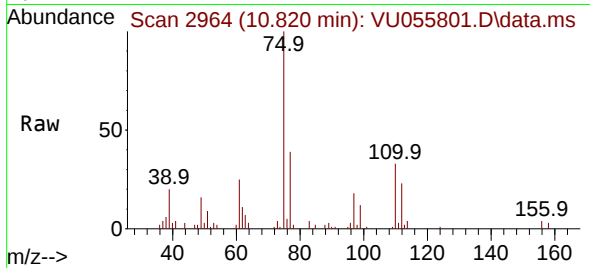
Tgt Ion: 83 Resp: 43468
Ion Ratio Lower Upper
83 100
131 10.0 7.2 10.8
85 63.5 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 1.822 ug/l m
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

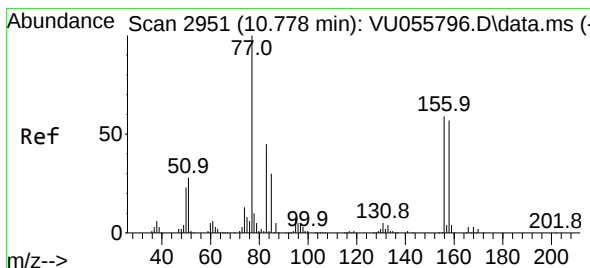
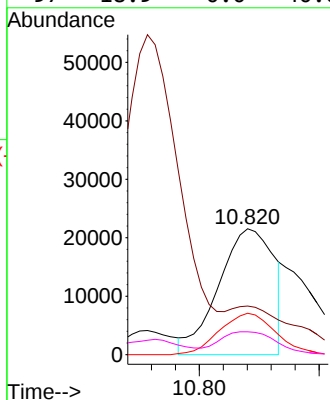
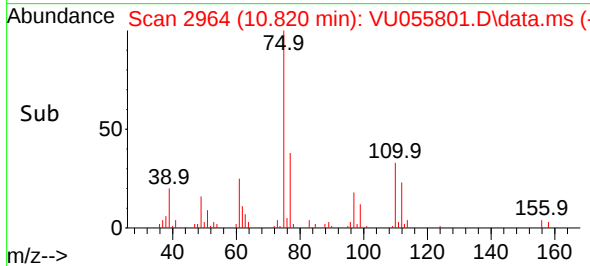
Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01



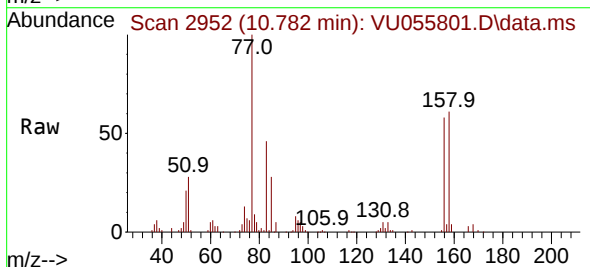
Tgt Ion:	75	Resp:	3446
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	116.4
110	33.6	0.0	74.6
97	18.9	0.0	40.0

Manual Integrations
APPROVED

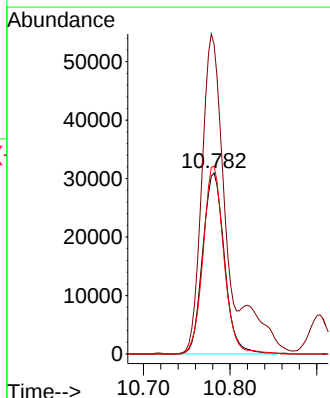
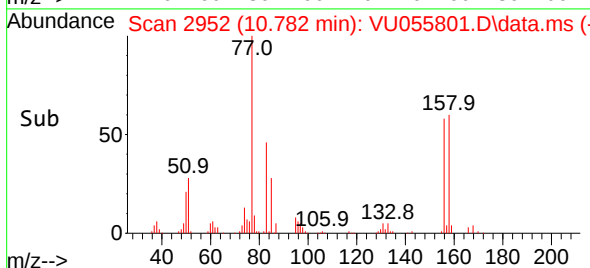
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

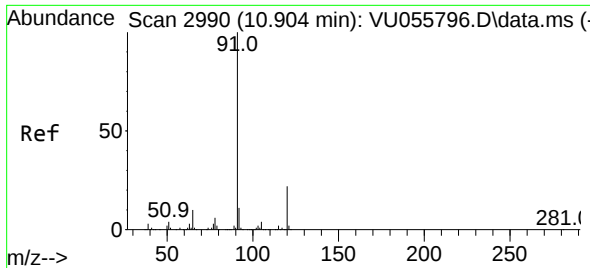


#72
Bromobenzene
Concen: 1.903 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.004 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19



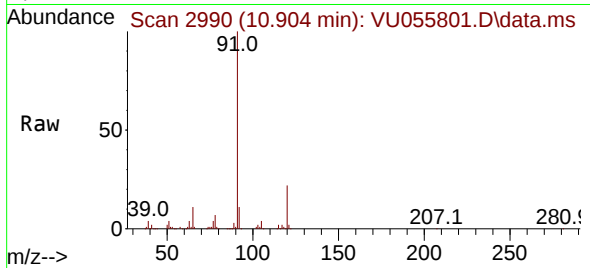
Tgt Ion:	156	Resp:	53824
Ion Ratio	Lower	Upper	
156	100		
77	174.6	0.0	343.0
158	99.6	0.0	194.8





#73
n-propylbenzene
Concen: 1.885 ug/l
RT: 10.904 min Scan# 2990
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

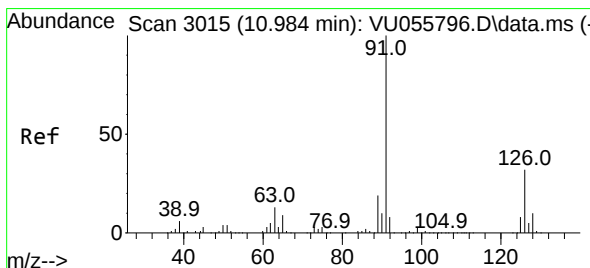
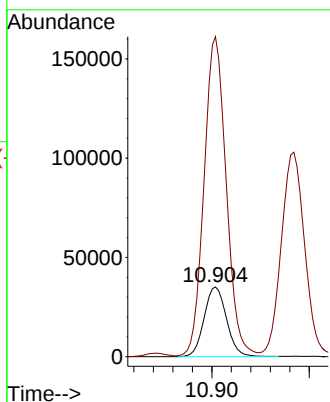
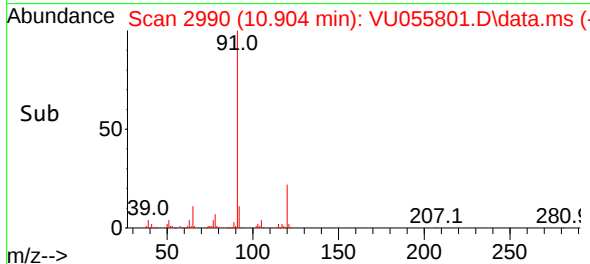
Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01



Tgt Ion:120 Resp: 56172
Ion Ratio Lower Upper
120 100
91 452.1 369.8 554.6

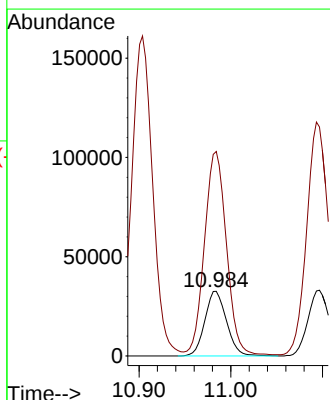
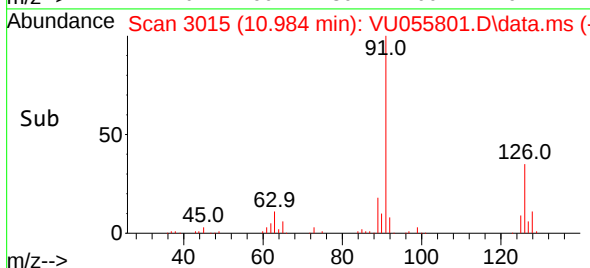
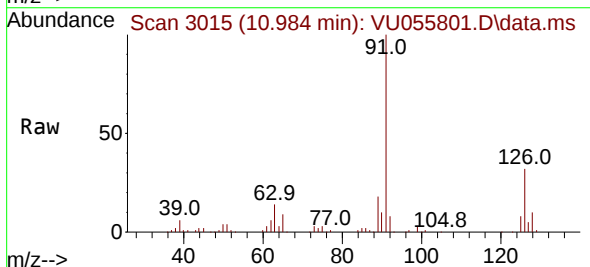
Manual Integrations
APPROVED

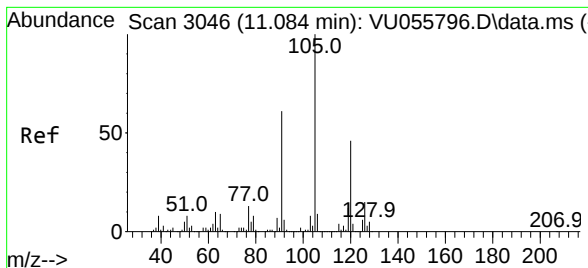
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#74
2-Chlorotoluene
Concen: 1.877 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. 0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Tgt Ion:126 Resp: 53357
Ion Ratio Lower Upper
126 100
91 319.7 0.0 610.0





#75

1,3,5-Trimethylbenzene

Concen: 1.933 ug/l

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

Tgt Ion:105 Resp: 192260

Ion Ratio Lower Upper

105 100

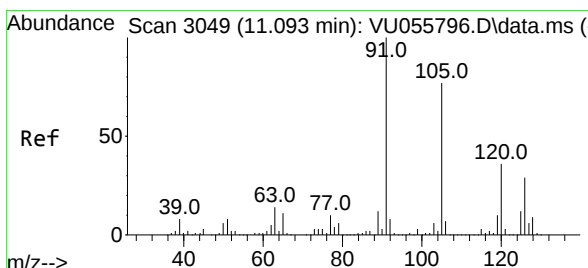
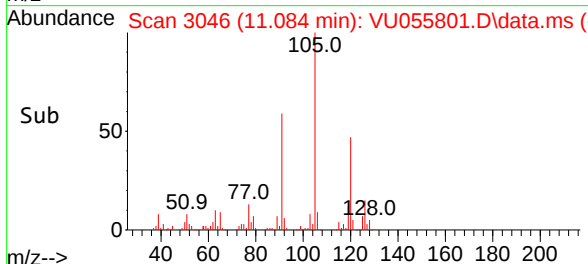
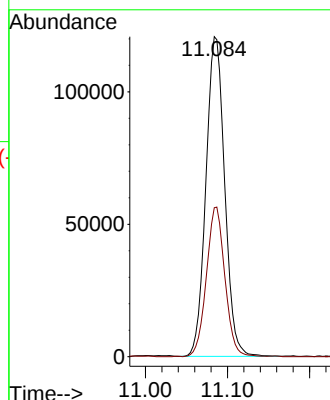
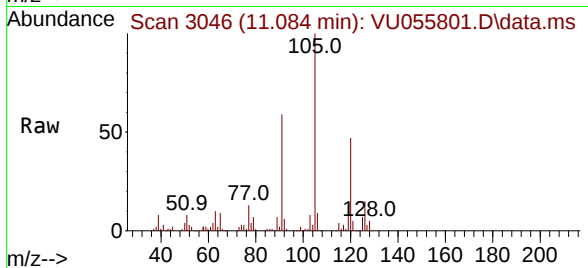
120 46.2 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#76

4-Chlorotoluene

Concen: 1.897 ug/l

RT: 11.097 min Scan# 3050

Delta R.T. 0.004 min

Lab File: VU055801.D

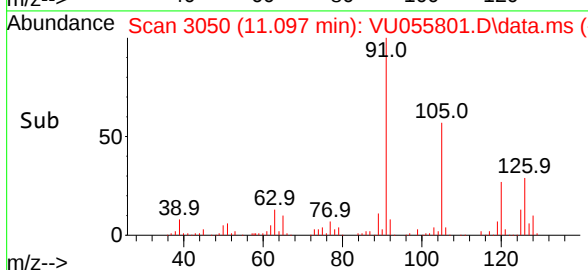
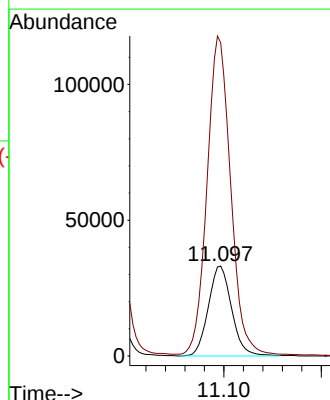
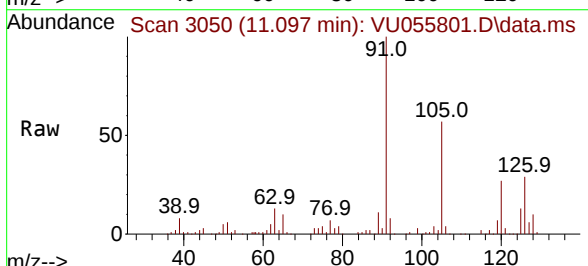
Acq: 18 Oct 2023 16:19

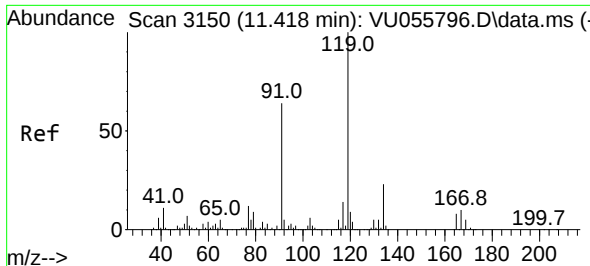
Tgt Ion:126 Resp: 54950

Ion Ratio Lower Upper

126 100

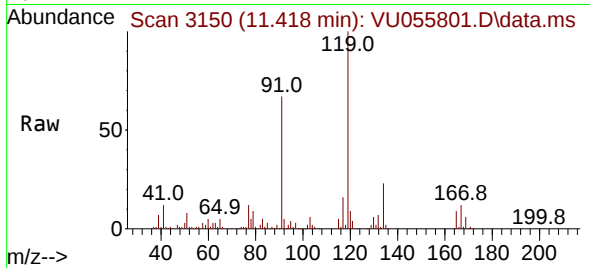
91 358.9 0.0 686.2





#77
tert-Butylbenzene
Concen: 1.939 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

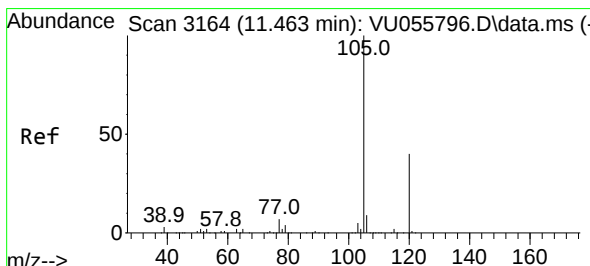
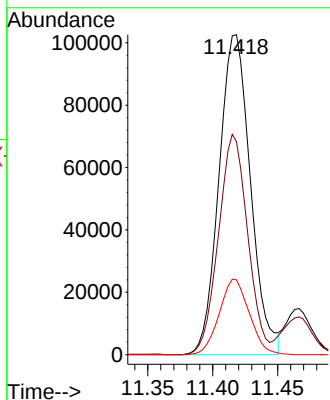
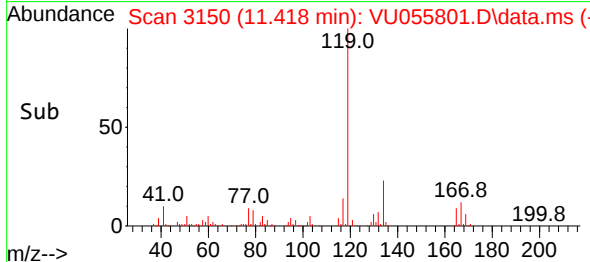
Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01



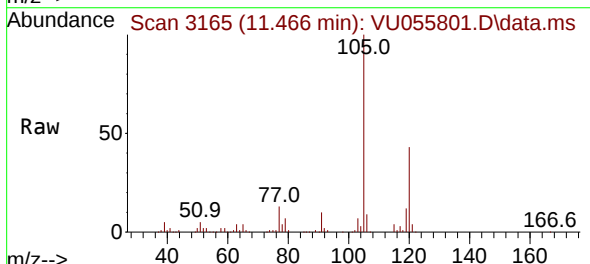
Tgt Ion:119 Resp: 17321
Ion Ratio Lower Upper
119 100
91 63.8 30.8 92.4
134 22.5 18.0 27.0

Manual Integrations
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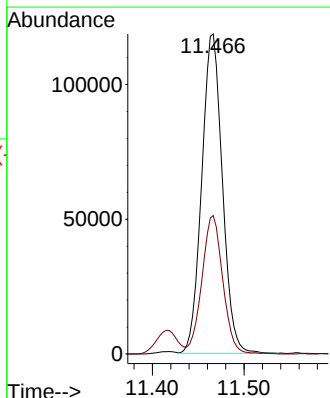
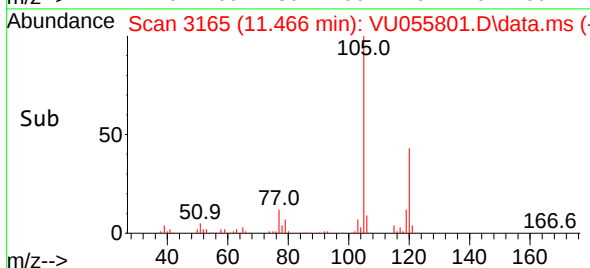
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

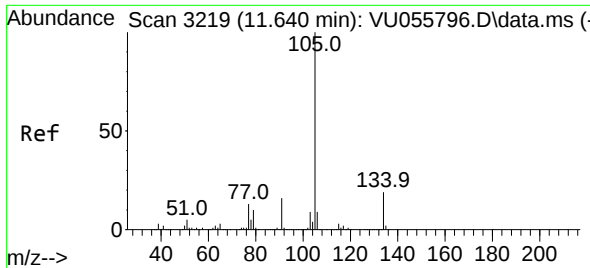


#78
1,2,4-Trimethylbenzene
Concen: 1.887 ug/l
RT: 11.466 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19



Tgt Ion:105 Resp: 185414
Ion Ratio Lower Upper
105 100
120 43.7 21.9 65.8





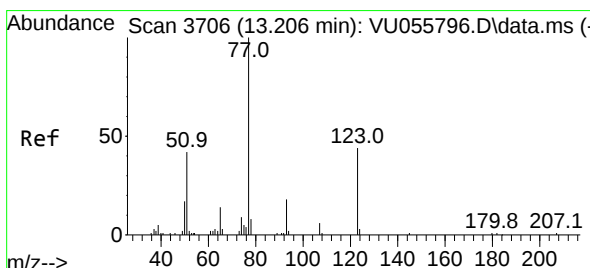
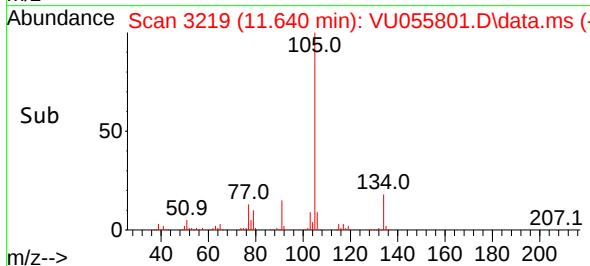
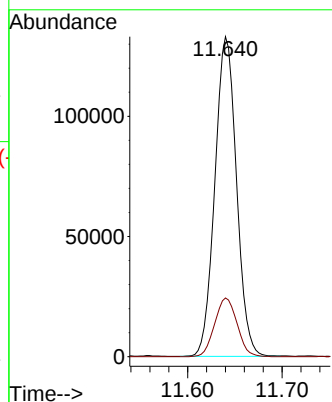
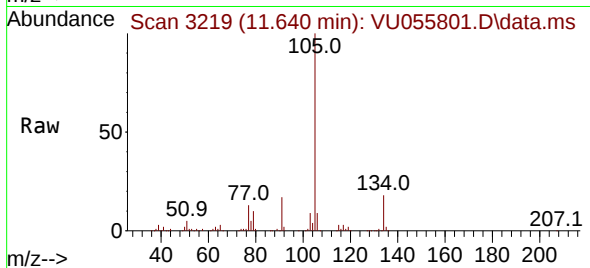
#79
 sec-Butylbenzene
 Concen: 1.880 ug/l
 RT: 11.640 min Scan# 3219
 Delta R.T. 0.000 min
 Lab File: VU055801.D
 Acq: 18 Oct 2023 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1018WBSD01

Tgt Ion:105 Resp: 211354
 Ion Ratio Lower Upper
 105 100
 134 19.0 14.9 22.3

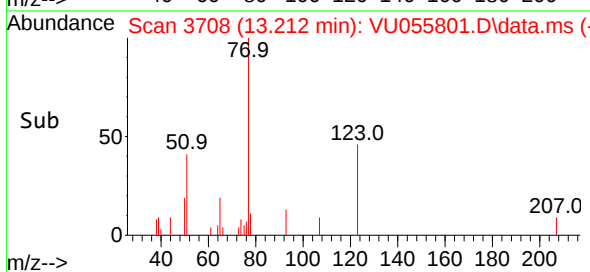
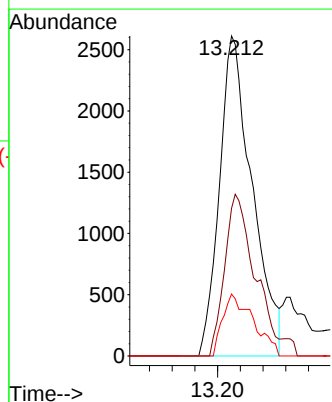
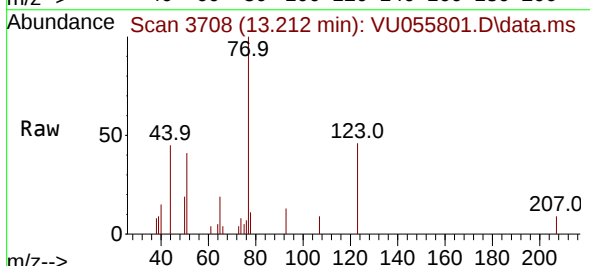
Manual Integrations
 APPROVED

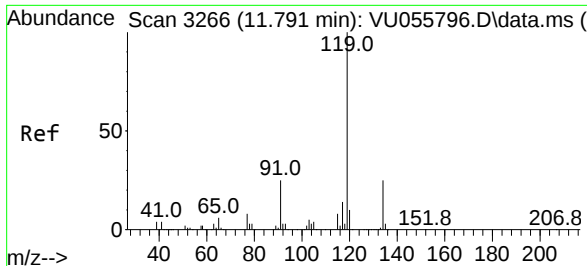
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023



#80
 Nitrobenzene
 Concen: 9.213 ug/l m
 RT: 13.212 min Scan# 3708
 Delta R.T. 0.006 min
 Lab File: VU055801.D
 Acq: 18 Oct 2023 16:19

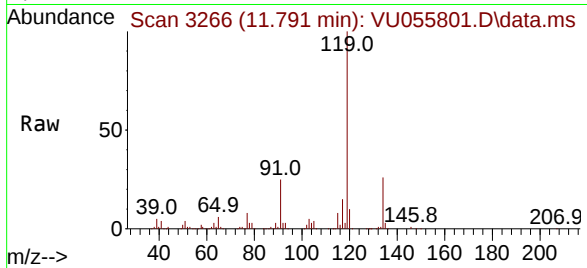
Tgt Ion: 77 Resp: 5217
 Ion Ratio Lower Upper
 77 100
 123 48.5 19.7 69.7
 65 18.2 11.5 14.7#





#81
p-Isopropyltoluene
Concen: 1.859 ug/l
RT: 11.791 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

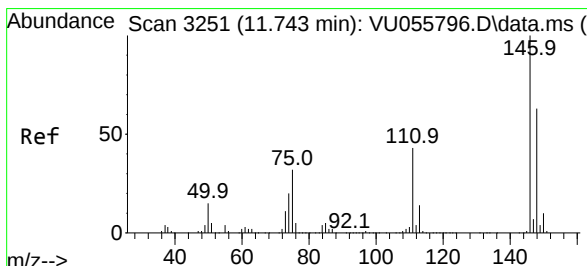
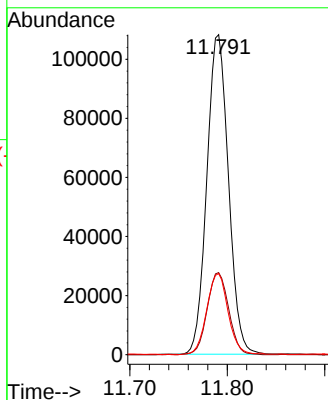
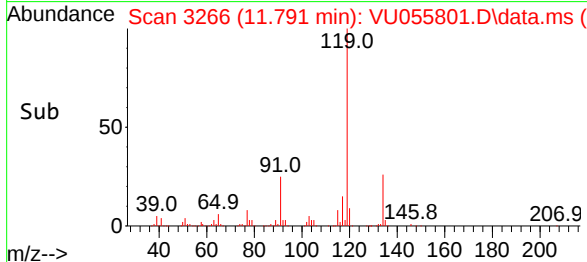
Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01



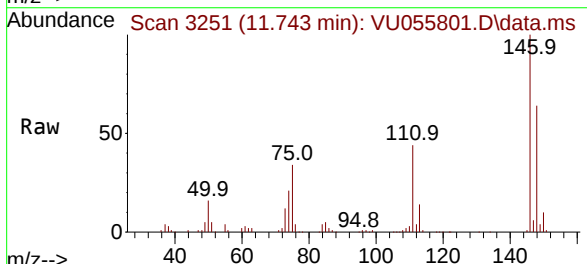
Tgt Ion:119 Resp: 16657
Ion Ratio Lower Upper
119 100
134 25.5 20.2 30.4
91 25.1 19.3 28.9

Manual Integrations
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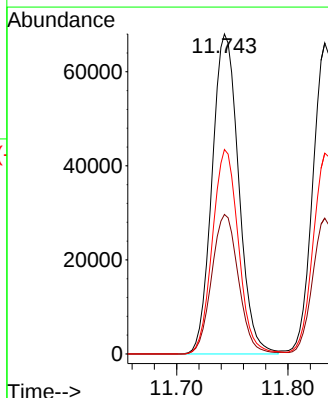
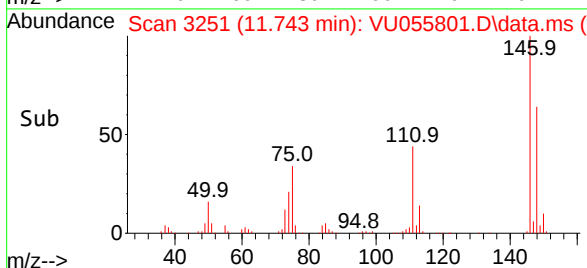
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

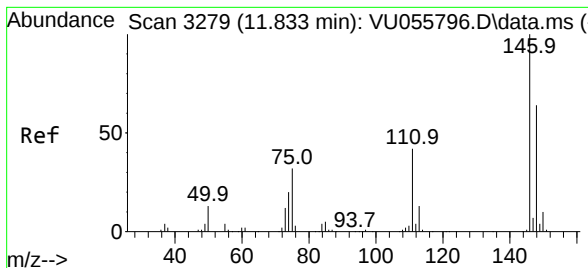


#82
1,3-Dichlorobenzene
Concen: 1.956 ug/l
RT: 11.743 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19



Tgt Ion:146 Resp: 112944
Ion Ratio Lower Upper
146 100
111 44.0 32.6 49.0
148 62.5 51.0 76.4





#83

1,4-Dichlorobenzene

Concen: 1.947 ug/l

RT: 11.833 min Scan# 3279

Delta R.T. -0.000 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

Tgt Ion:146 Resp: 108820

Ion Ratio Lower Upper

146 100

111 43.4 31.6 47.4

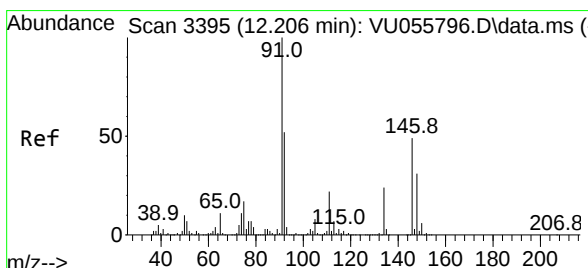
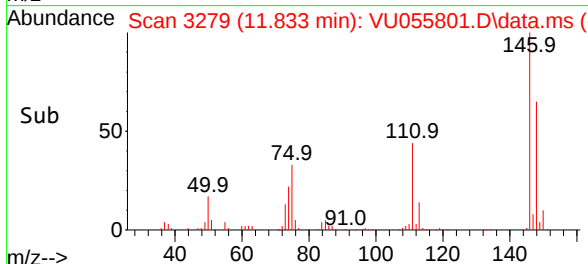
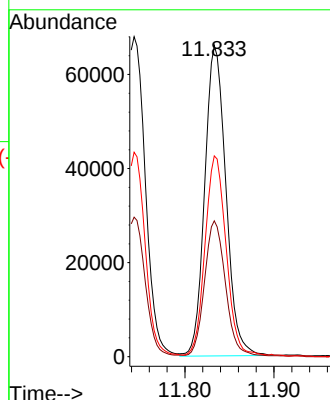
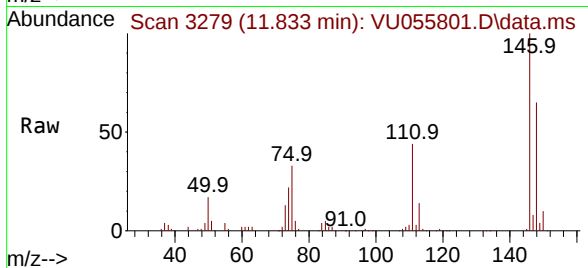
148 63.8 50.3 75.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#84

n-Butylbenzene

Concen: 1.925 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

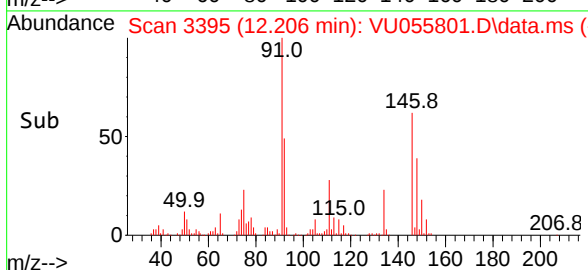
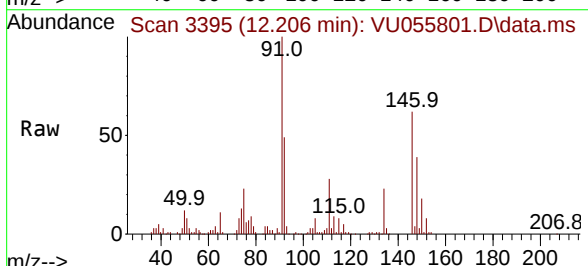
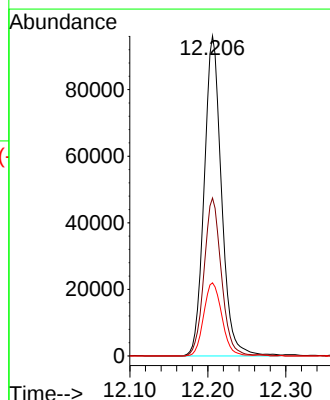
Tgt Ion: 91 Resp: 148819

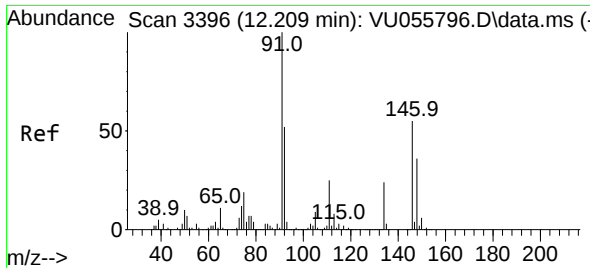
Ion Ratio Lower Upper

91 100

92 49.3 40.8 61.2

134 23.9 18.4 27.6





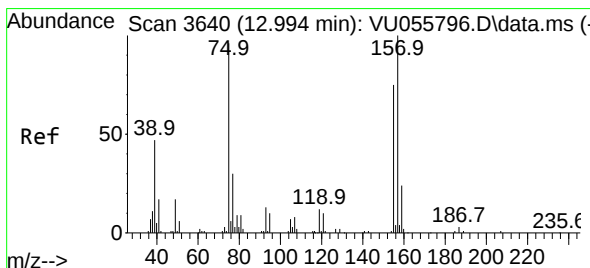
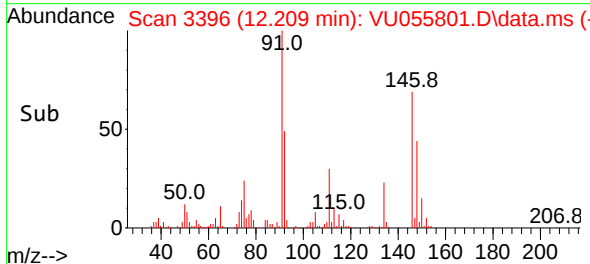
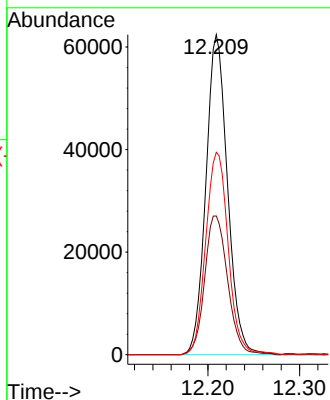
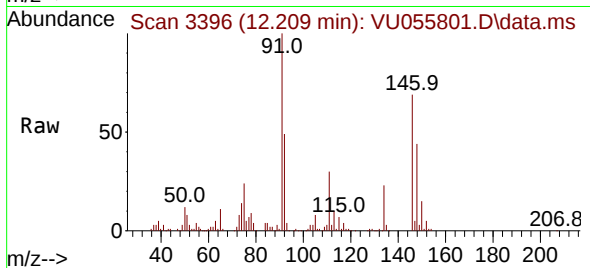
#85
1,2-Dichlorobenzene
Concen: 1.937 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01

Tgt Ion:146 Resp: 102209
Ion Ratio Lower Upper
146 100
111 46.2 21.6 64.6
148 65.9 32.1 96.5

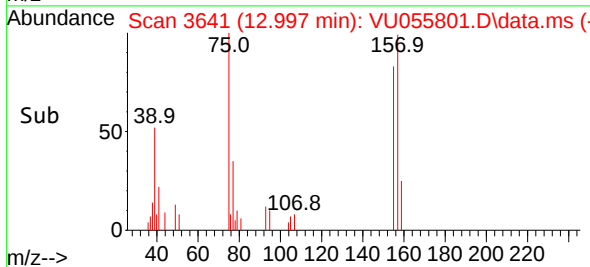
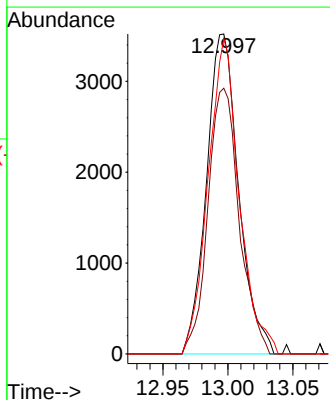
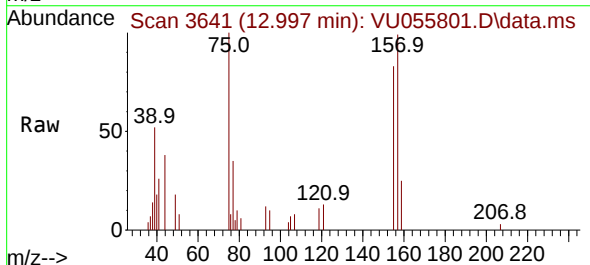
Manual Integrations
APPROVED

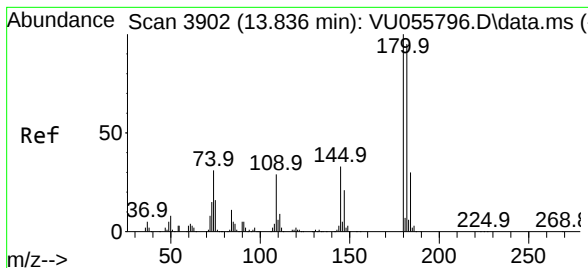
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#86
1,2-Dibromo-3-Chloropropane
Concen: 1.861 ug/l
RT: 12.997 min Scan# 3641
Delta R.T. 0.003 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Tgt Ion: 75 Resp: 6061
Ion Ratio Lower Upper
75 100
155 80.9 61.8 92.8
157 95.4 80.2 120.4





#87

1,2,4-Trichlorobenzene

Concen: 1.978 ug/l

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU1018WBSD01

Tgt Ion:180 Resp: 55929

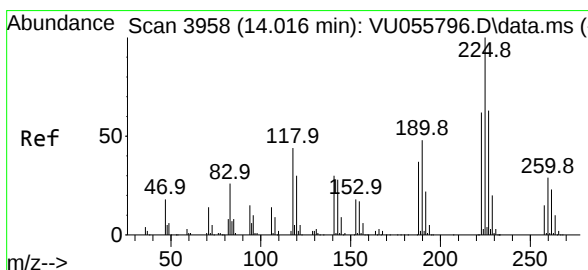
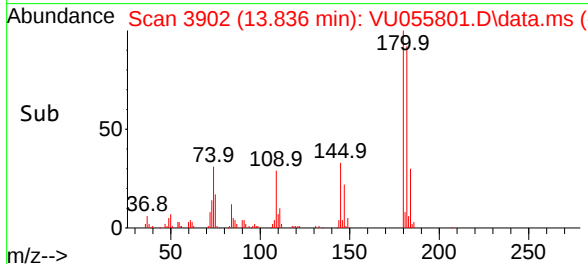
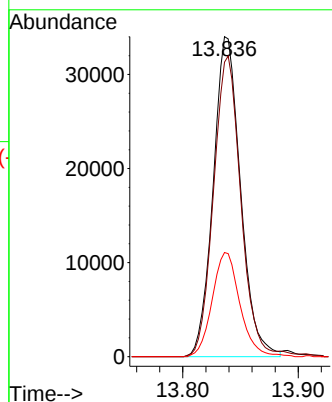
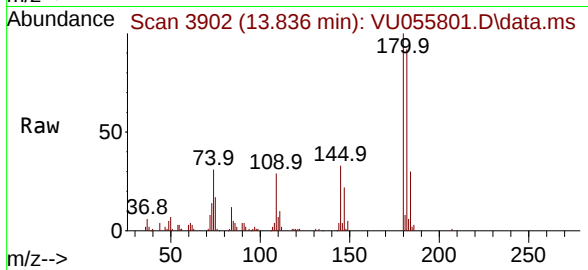
Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.8	113.6
145	33.0	23.9	35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#88

Hexachlorobutadiene

Concen: 1.836 ug/l

RT: 14.016 min Scan# 3958

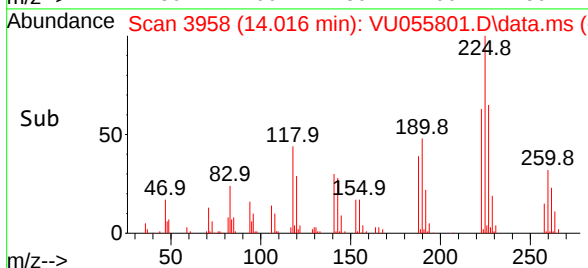
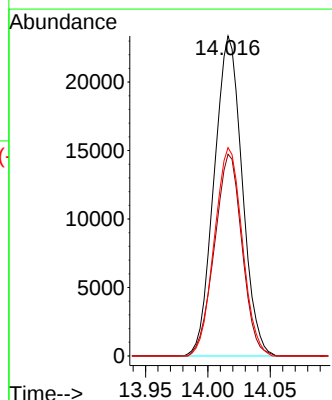
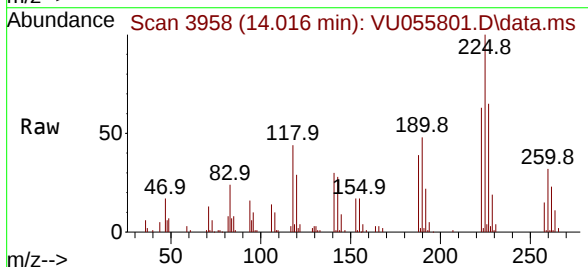
Delta R.T. 0.000 min

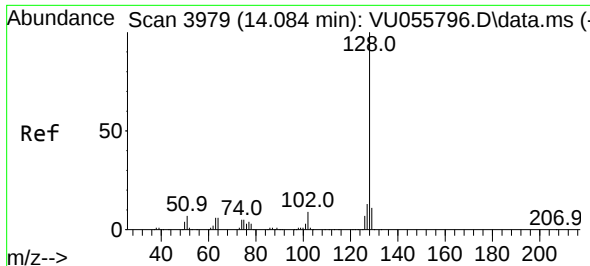
Lab File: VU055801.D

Acq: 18 Oct 2023 16:19

Tgt Ion:225 Resp: 36567

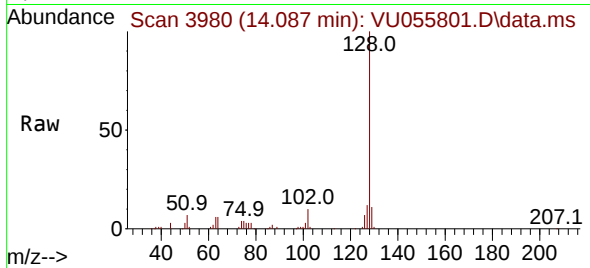
Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.2	75.4
227	64.8	51.5	77.3





#89
Naphthalene
Concen: 2.118 ug/l
RT: 14.087 min Scan# 3979
Delta R.T. 0.003 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

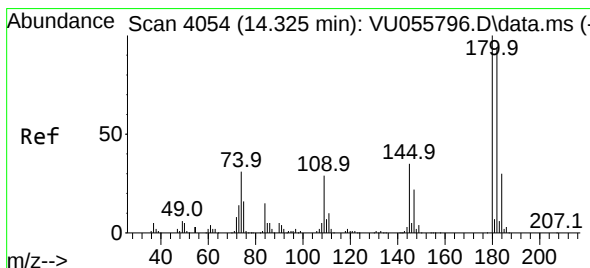
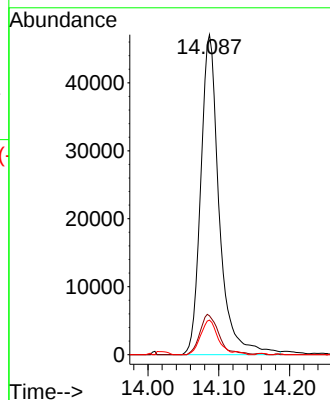
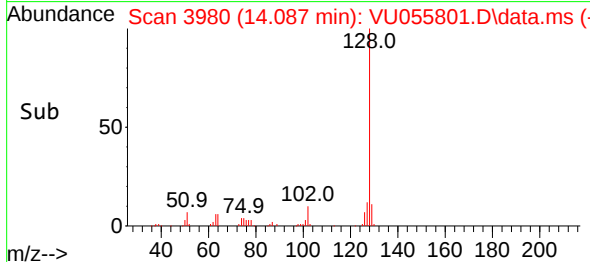
Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01



Tgt Ion:128 Resp: 8502
Ion Ratio Lower Upper
128 100
127 13.0 10.9 16.3
129 10.1 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#90
1,2,3-Trichlorobenzene
Concen: 2.000 ug/l
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU055801.D
Acq: 18 Oct 2023 16:19

Tgt Ion:180 Resp: 48472
Ion Ratio Lower Upper
180 100
182 99.6 75.7 113.5
145 36.0 26.1 39.1

