

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101923\
 Data File : VU055816.D
 Acq On : 19 Oct 2023 18:05
 Operator : MD/SY
 Sample : 04699-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2023

Manual Integrations
 APPROVED

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

Quant Time: Oct 20 02:02:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 20 02:00:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	92495	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	33454	0.917	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	31000	0.917	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	14969	0.417	ug/l	98
3) Chloromethane	1.518	50	16130	0.525	ug/l	96
4) Vinyl Chloride	1.602	62	15822	0.503	ug/l	97
5) Bromomethane	1.856	94	10149	0.586	ug/l	97
6) Chloroethane	1.930	64	8778	0.576	ug/l	94
7) Trichlorofluoromethane	2.136	101	21481	0.518	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	13255	0.479	ug/l	95
9) 1,1-Dichloroethene	2.576	96	12070	0.468	ug/l	92
10) Iodomethane	2.718	142	16337	0.425	ug/l	96
11) Allyl Chloride	2.920	41	16238	0.484	ug/l	98
12) Acrylonitrile	3.338	53	4539m	0.936	ug/l	
13) Acetone	2.644	43	18982	1.835	ug/l	95
14) Carbon Disulfide	2.792	76	38743	0.460	ug/l	98
15) Methylene Chloride	3.039	84	27589	0.907	ug/l	92
16) trans-1,2-Dichloroethene	3.351	96	12219	0.447	ug/l	96
17) 1,1-Dichloroethane	3.869	63	23526	0.463	ug/l	98
18) 2-Butanone	4.727	43	16015	1.437	ug/l	90
19) Cyclohexane	5.386	56	18692m	0.431	ug/l	
20) Methylcyclohexane	6.756	83	19578	0.434	ug/l	100
21) 2,2-Dichloropropane	4.657	77	19112	0.446	ug/l	99
22) cis-1,2-Dichloroethene	4.669	96	13201	0.453	ug/l	99
23) Diethyl Ether	2.374	59	8223	0.533	ug/l	93
24) tert-Butyl Alcohol	3.207	59	8283m	5.236	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	25337	0.456	ug/l	100
26) Bromochloromethane	4.978	128	5820	0.471	ug/l	97
27) Chloroform	5.084	83	24739	0.474	ug/l	98
28) 1,1,1-Trichloroethane	5.313	97	21577	0.461	ug/l	97
29) 1,1-Dichloropropene	5.525	75	16178	0.437	ug/l	100
30) Carbon Tetrachloride	5.522	117	18821	0.461	ug/l	98
31) Isopropyl Ether	3.991	45	30651	0.449	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	28425	0.431	ug/l	94
33) Tert-Amyl methyl ether	5.936	73	23361	0.413	ug/l	95
34) Propionitrile	4.814	54	2577m	1.462	ug/l	
35) Benzene	5.772	78	51836	0.462	ug/l	96
36) 1,2-Dichloroethane	5.795	62	13890	0.456	ug/l	98
37) Trichloroethene	6.544	130	13877	0.475	ug/l	92
38) 1,2-Dichloropropane	6.792	63	13629	0.465	ug/l	94
39) Methacrylonitrile	4.985	41	2939m	0.447	ug/l	
40) Methyl acrylate	4.882	55	4291	0.405	ug/l #	90
41) Tetrahydrofuran	5.075	42	3558	0.955	ug/l #	73
42) 1-Chlorobutane	5.457	56	21956	0.445	ug/l	97
43) Dibromomethane	6.914	93	6202	0.445	ug/l	98
44) Bromodichloromethane	7.103	83	17088	0.464	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	29759	2.066	ug/l	98
46) t-1,4-Dichloro-2-butene	10.833	75	3843m	0.671	ug/l	
47) Methyl methacrylate	6.965	69	9731	0.847	ug/l	96
48) Ethyl methacrylate	8.335	69	8471	0.388	ug/l	98
49) Toluene	7.968	92	28558	0.430	ug/l	97
50) t-1,3-Dichloropropene	8.213	75	14039	0.431	ug/l	97
51) cis-1,3-Dichloropropene	7.608	75	16417	0.412	ug/l #	89
52) 1,1,2-Trichloroethane	8.396	97	8791	0.442	ug/l	89
53) 1,3-Dichloropropane	8.573	76	16317	0.480	ug/l	98
54) 2-Hexanone	8.692	43	24250	1.503	ug/l	92
55) Dibromochloromethane	8.808	129	10003	0.417	ug/l	100
56) 1,2-Dibromoethane	8.923	107	8245	0.454	ug/l	96
58) Tetrachloroethene	8.550	164	14372	0.473	ug/l #	85
59) Chlorobenzene	9.447	112	33303	0.454	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.531	131	10834	0.414	ug/l	95
61) Pentachloroethane	11.422	117	7605	0.430	ug/l	95
62) Hexachloroethane	12.470	117	7075	0.378	ug/l	92
63) Ethyl Benzene	9.570	91	53470	0.430	ug/l	100
64) m/p-Xylenes	9.692	106	38929	0.814	ug/l	99
65) o-Xylene	10.100	106	19039	0.406	ug/l	90
66) Styrene	10.116	104	29597	0.403	ug/l	95
67) Bromoform	10.290	173	5214	0.404	ug/l #	95
69) Isopropylbenzene	10.483	105	50616	0.419	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.779	83	10862	0.467	ug/l	97
71) 1,2,3-Trichloropropane	10.824	75	7759m	0.402	ug/l	
72) Bromobenzene	10.785	156	13266	0.460	ug/l	85
73) n-propylbenzene	10.907	120	12038	0.387	ug/l	99
74) 2-Chlorotoluene	10.988	126	12066	0.416	ug/l	90
75) 1,3,5-Trimethylbenzene	11.087	105	41584	0.402	ug/l	100
76) 4-Chlorotoluene	11.097	126	12515	0.424	ug/l	97
77) tert-Butylbenzene	11.418	119	38106	0.402	ug/l	95
78) 1,2,4-Trimethylbenzene	11.467	105	38980	0.381	ug/l	100
79) sec-Butylbenzene	11.640	105	48100	0.402	ug/l	98
80) Nitrobenzene	13.238	77	1360m	2.210	ug/l	
81) p-Isopropyltoluene	11.791	119	38277	0.398	ug/l	95
82) 1,3-Dichlorobenzene	11.746	146	26155	0.444	ug/l	95
83) 1,4-Dichlorobenzene	11.836	146	25163	0.442	ug/l	95
84) n-Butylbenzene	12.206	91	38134	0.465	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	23714	0.441	ug/l	93
86) 1,2-Dibromo-3-Chloropr...	13.004	75	1463	0.441	ug/l	90
87) 1,2,4-Trichlorobenzene	13.843	180	14155	0.485	ug/l	94
88) Hexachlorobutadiene	14.016	225	8931	0.440	ug/l	97
89) Naphthalene	14.094	128	21504	0.507	ug/l #	88
90) 1,2,3-Trichlorobenzene	14.328	180	11926	0.476	ug/l	93

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

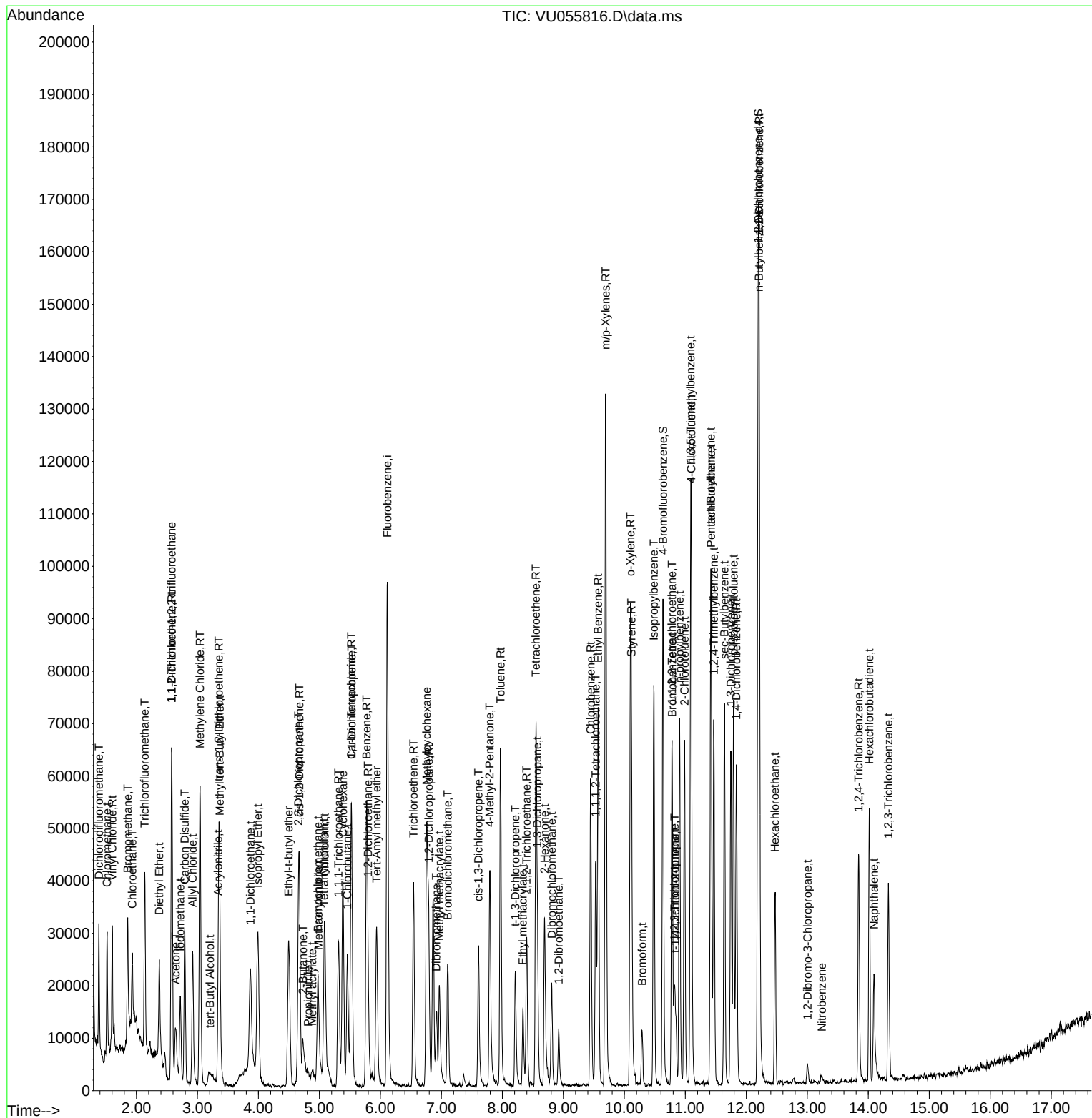
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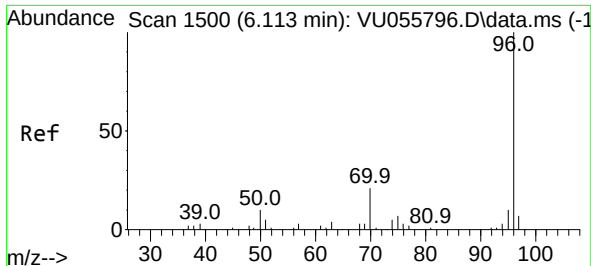
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

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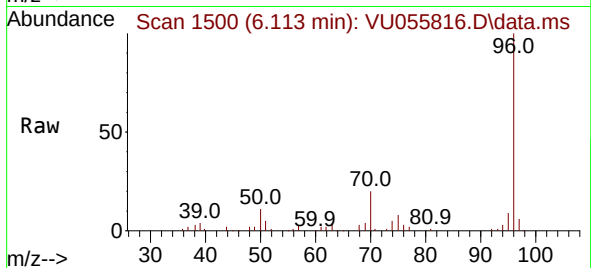
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023





#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1500
Delta R.T. 0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

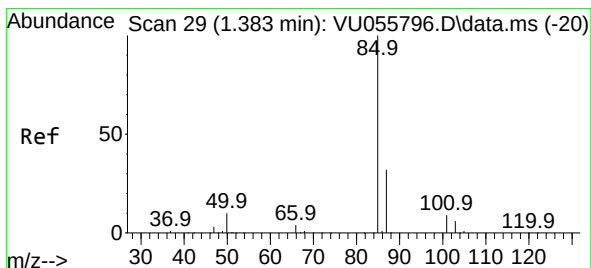
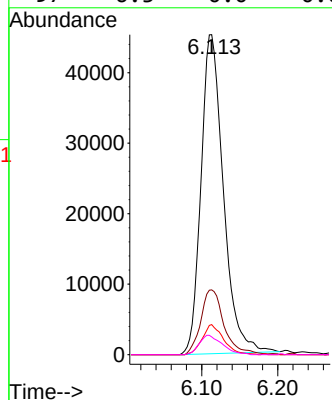
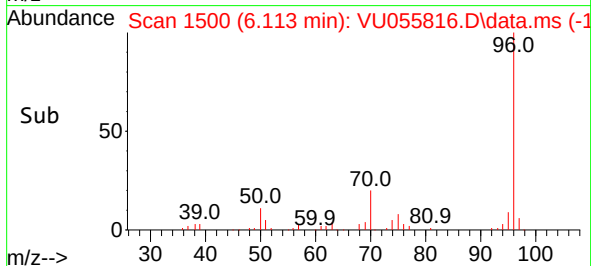
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 96 Resp: 92495
Ion Ratio Lower Upper
96 100
70 20.6 16.5 24.7
95 9.0 7.4 11.0
97 6.3 0.0 0.0#

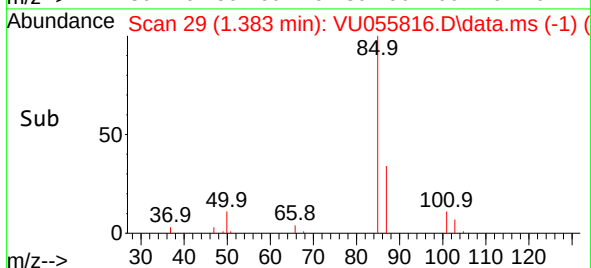
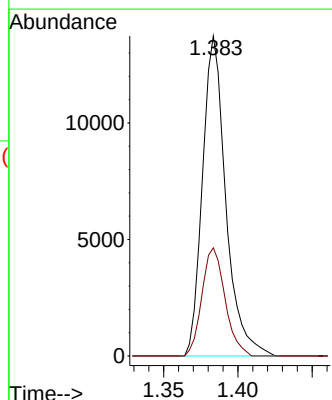
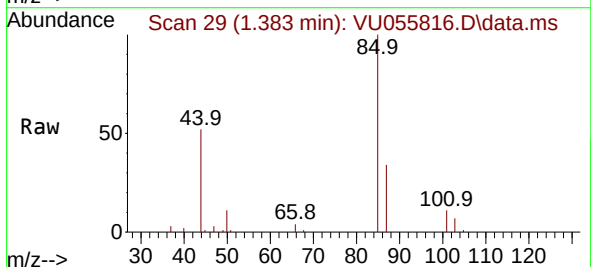
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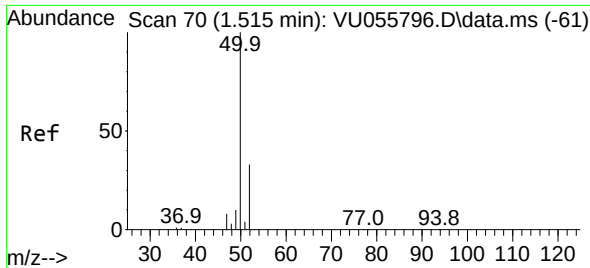
Reviewed By :John Carlone 10/20/2023
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#2
Dichlorodifluoromethane
Concen: 0.417 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

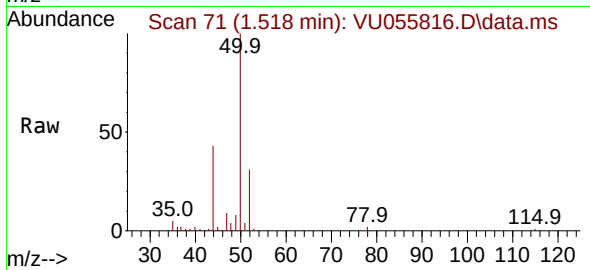
Tgt Ion: 85 Resp: 14969
Ion Ratio Lower Upper
85 100
87 33.8 16.2 48.6





#3
Chloromethane
Concen: 0.525 ug/l
RT: 1.518 min Scan# 70
Delta R.T. 0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

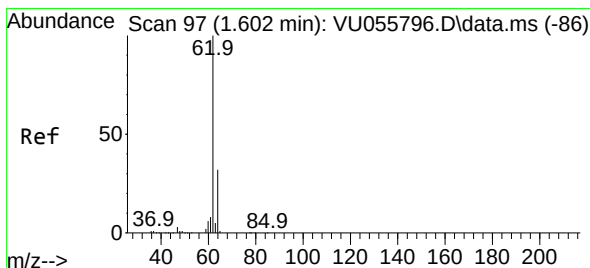
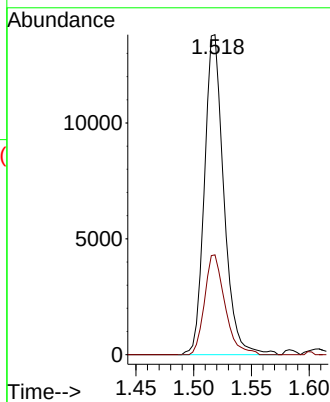
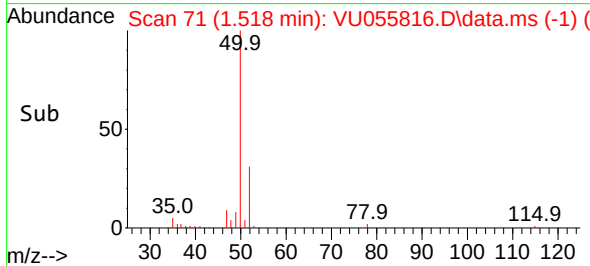
Instrument :
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LOQ-WATER-02-QT4-2023



Tgt Ion: 50 Resp: 16130
Ion Ratio Lower Upper
50 100
52 31.2 26.6 40.0

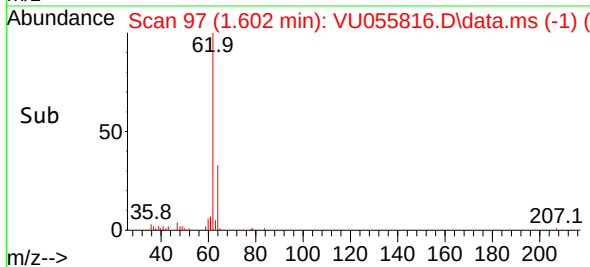
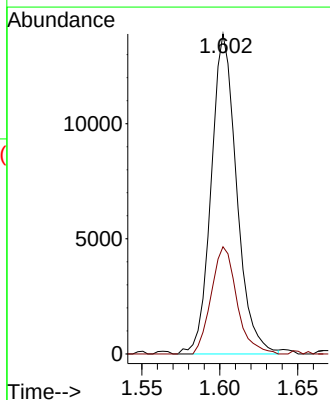
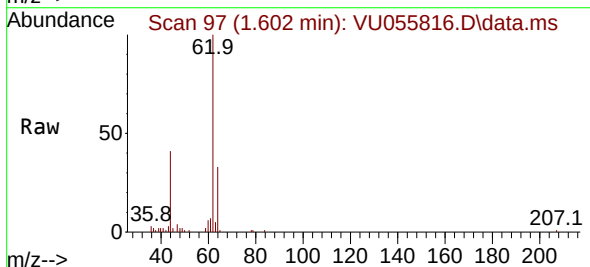
Manual Integrations
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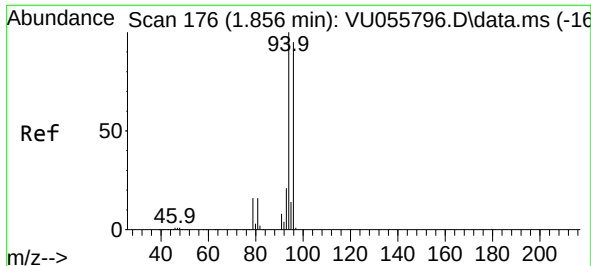
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#4
Vinyl Chloride
Concen: 0.503 ug/l
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

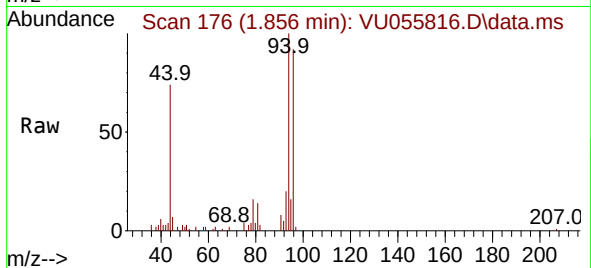
Tgt Ion: 62 Resp: 15822
Ion Ratio Lower Upper
62 100
64 33.5 25.4 38.2





#5
Bromomethane
Concen: 0.586 ug/l
RT: 1.856 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

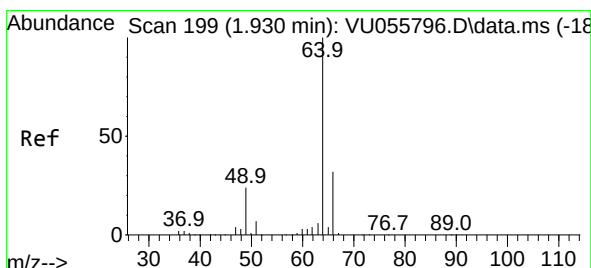
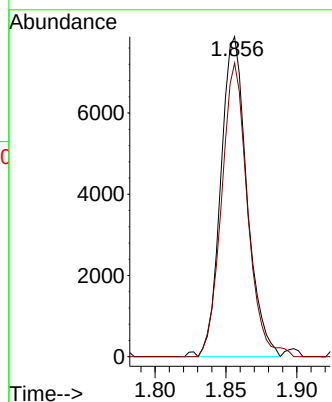
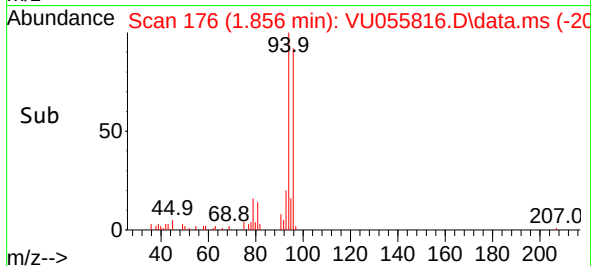
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 94 Resp: 10149
Ion Ratio Lower Upper
94 100
96 91.7 75.4 113.2

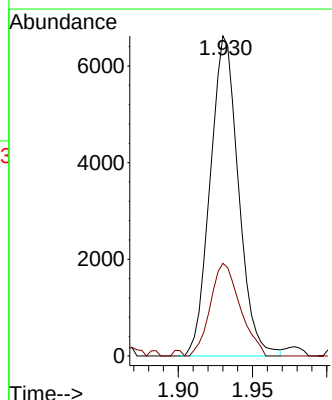
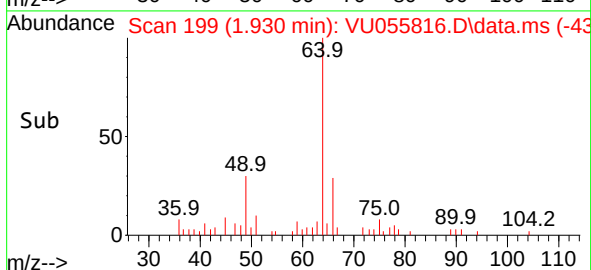
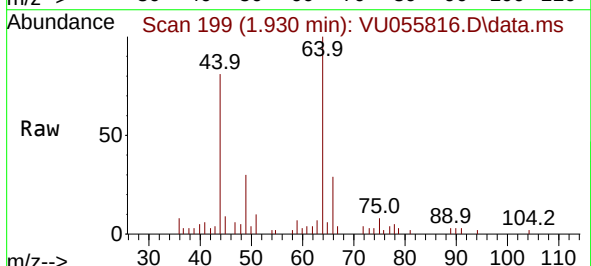
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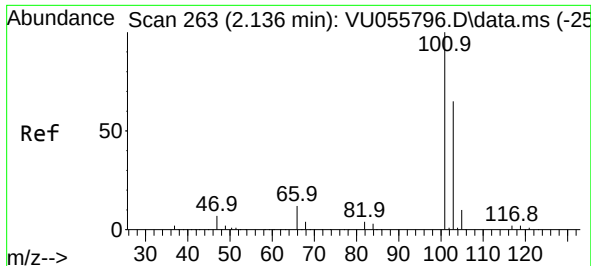
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#6
Chloroethane
Concen: 0.576 ug/l
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Tgt Ion: 64 Resp: 8778
Ion Ratio Lower Upper
64 100
66 28.9 26.0 39.0





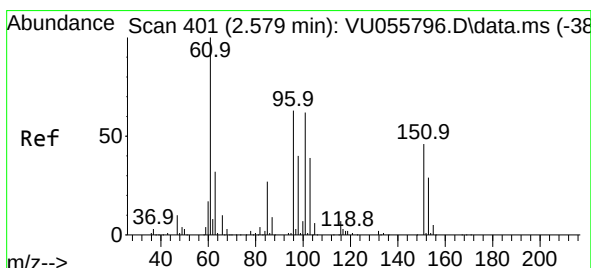
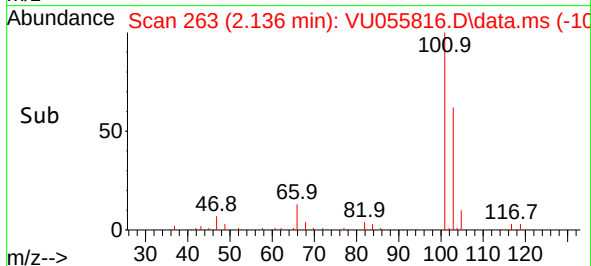
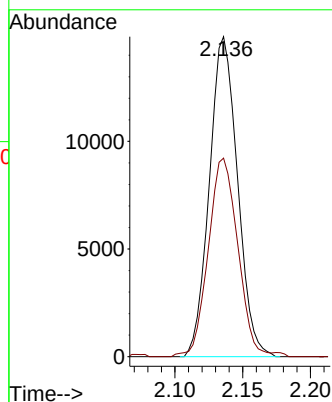
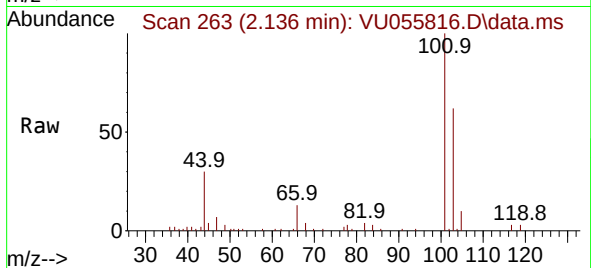
#7
Trichlorofluoromethane
Concen: 0.518 ug/l
RT: 2.136 min Scan# 2148
Delta R.T. -0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:101 Resp: 2148
Ion Ratio Lower Upper
101 100
103 61.0 51.4 77.0

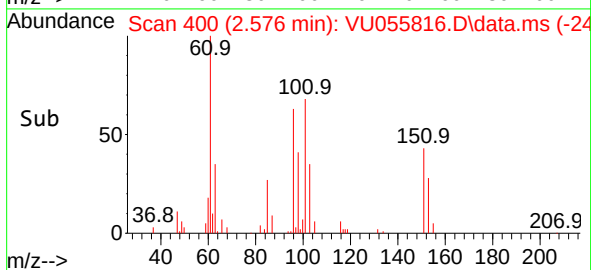
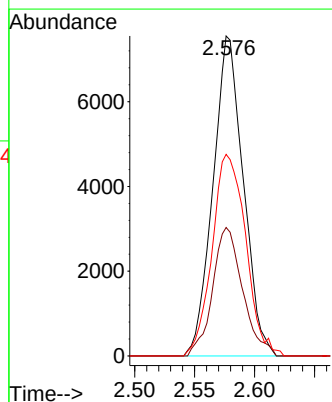
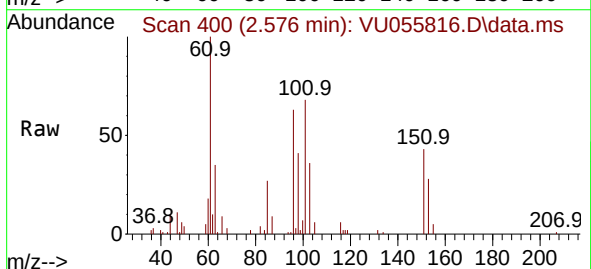
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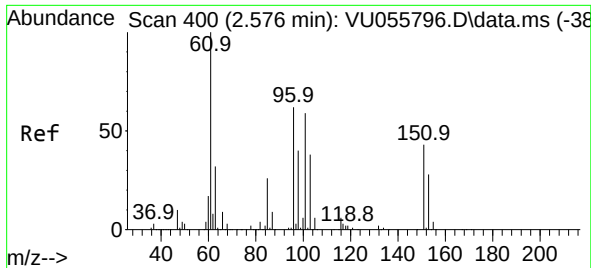
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.479 ug/l
RT: 2.576 min Scan# 400
Delta R.T. -0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Tgt Ion:101 Resp: 13255
Ion Ratio Lower Upper
101 100
85 39.8 35.4 53.0
151 70.0 54.0 81.0





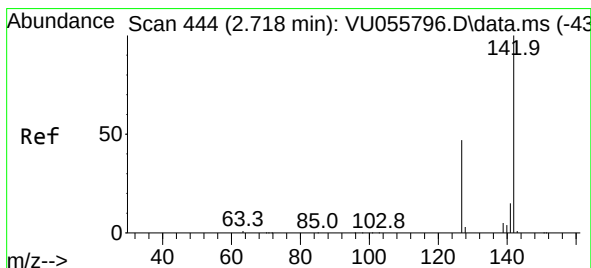
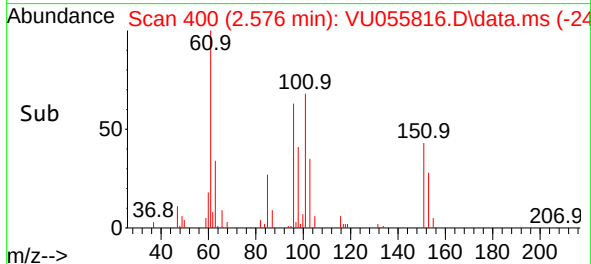
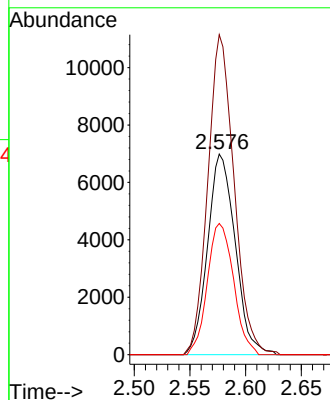
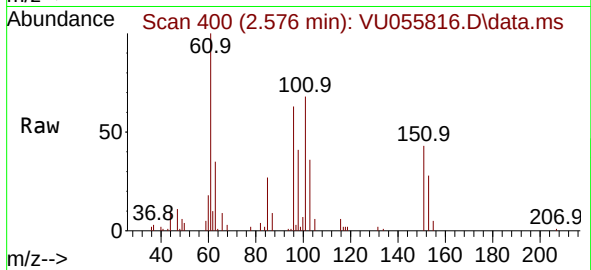
#9
1,1-Dichloroethene
Concen: 0.468 ug/l
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

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MSVOA_U
ClientSampleId :
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Tgt Ion: 96 Resp: 12070
Ion Ratio Lower Upper
96 100
61 159.4 0.0 521.4
98 65.4 0.0 125.8

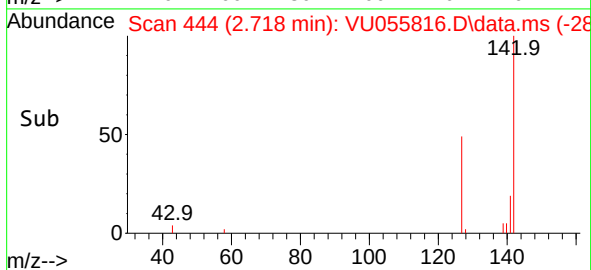
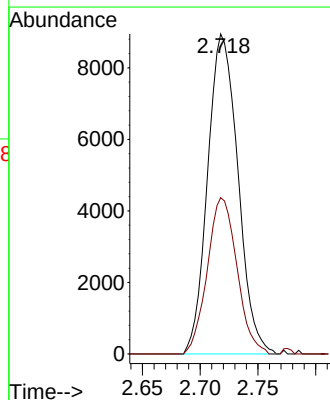
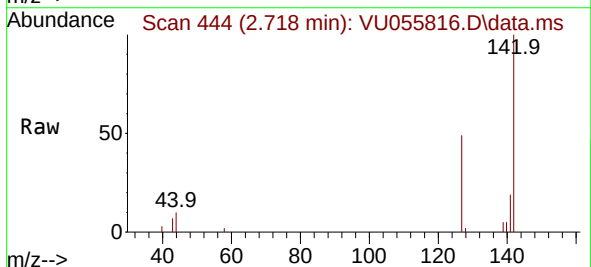
Manual Integrations
APPROVED

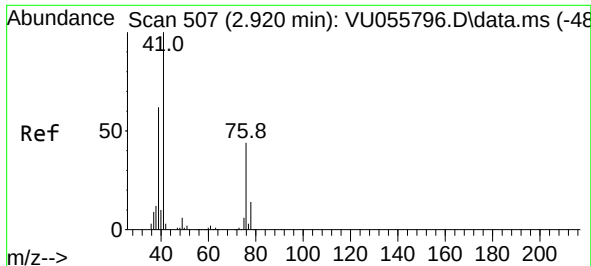
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#10
Iodomethane
Concen: 0.425 ug/l
RT: 2.718 min Scan# 444
Delta R.T. -0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

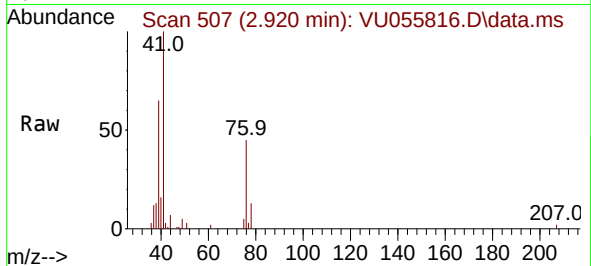
Tgt Ion:142 Resp: 16337
Ion Ratio Lower Upper
142 100
127 47.8 35.9 53.9





#11
 Allyl Chloride
 Concen: 0.484 ug/l
 RT: 2.920 min Scan# 507
 Delta R.T. 0.000 min
 Lab File: VU055816.D
 Acq: 19 Oct 2023 18:05

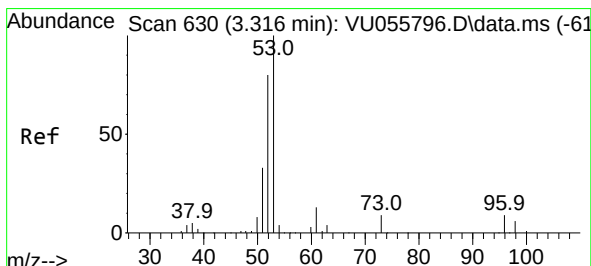
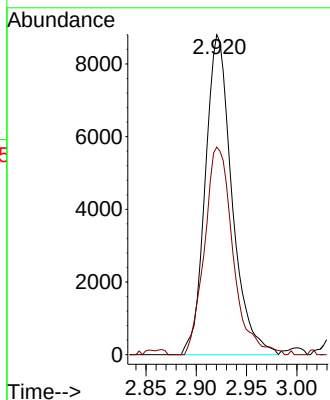
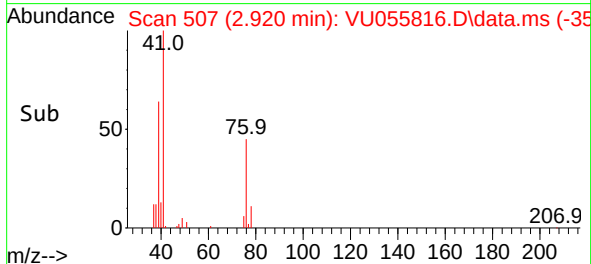
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2023



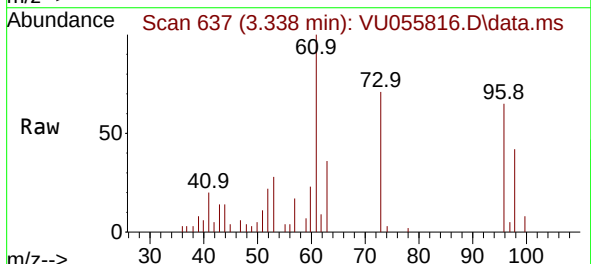
Tgt Ion: 41 Resp: 16238
 Ion Ratio Lower Upper
 41 100
 39 69.0 54.2 81.2

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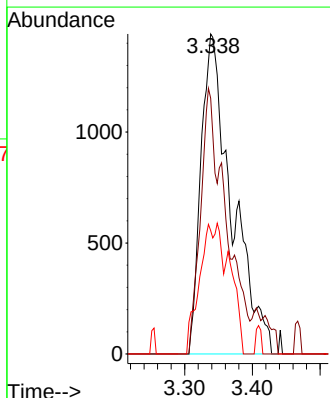
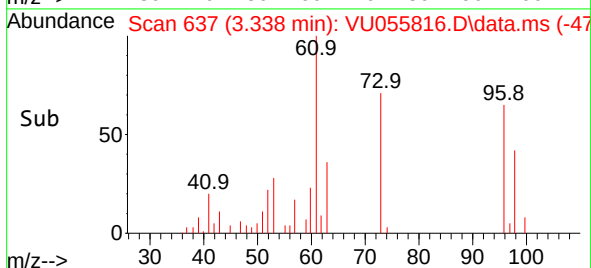
Reviewed By :John Carlone 10/20/2023
 Supervised By :Mahesh Dadoda 10/25/2023

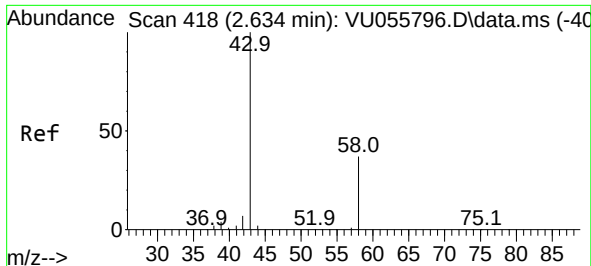


#12
 Acrylonitrile
 Concen: 0.936 ug/l m
 RT: 3.338 min Scan# 637
 Delta R.T. 0.022 min
 Lab File: VU055816.D
 Acq: 19 Oct 2023 18:05



Tgt Ion: 53 Resp: 4539
 Ion Ratio Lower Upper
 53 100
 52 39.9 62.9 94.3#
 51 18.7 27.8 41.6#





#13

Acetone

Concen: 1.835 ug/l

RT: 2.644 min Scan# 418

Delta R.T. 0.010 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 43 Resp: 1898

Ion Ratio Lower Upper

43 100

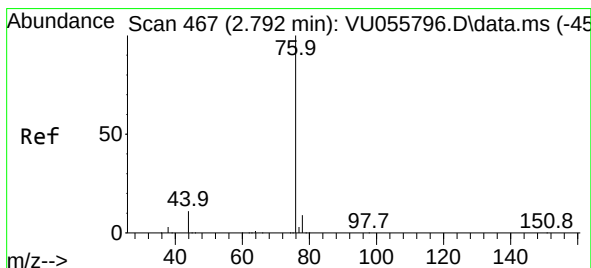
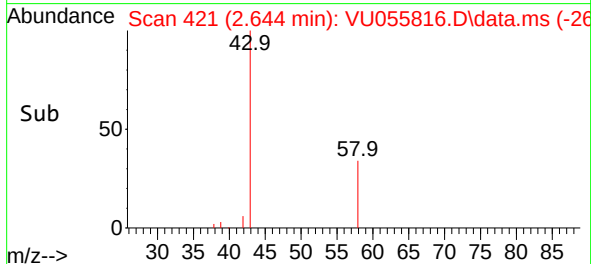
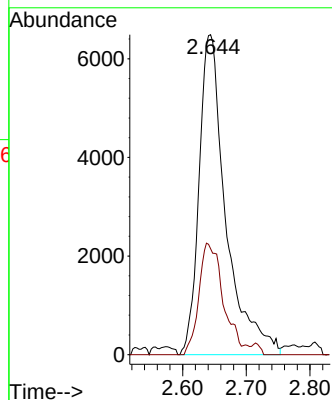
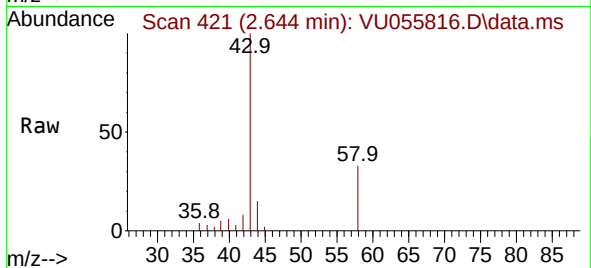
58 33.1 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#14

Carbon Disulfide

Concen: 0.460 ug/l

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU055816.D

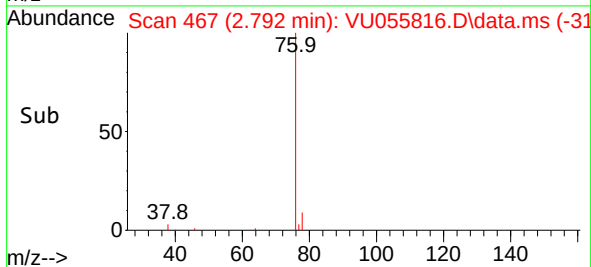
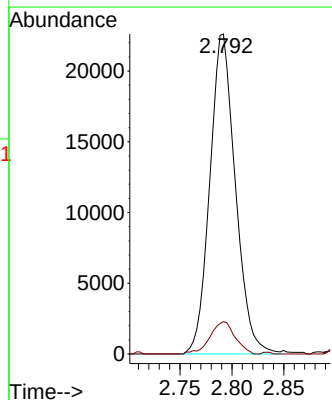
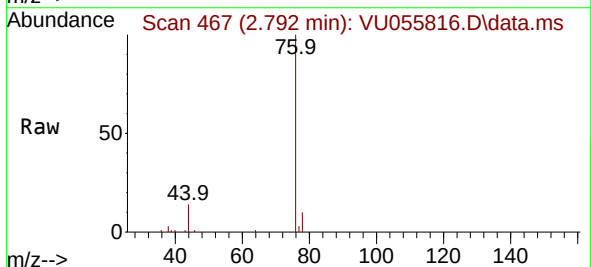
Acq: 19 Oct 2023 18:05

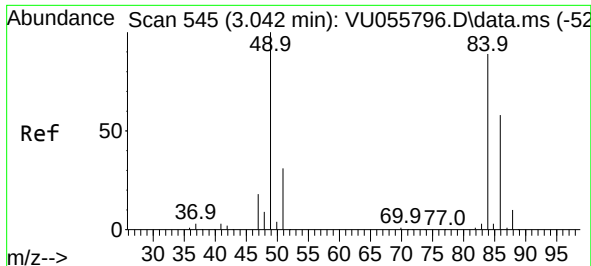
Tgt Ion: 76 Resp: 38743

Ion Ratio Lower Upper

76 100

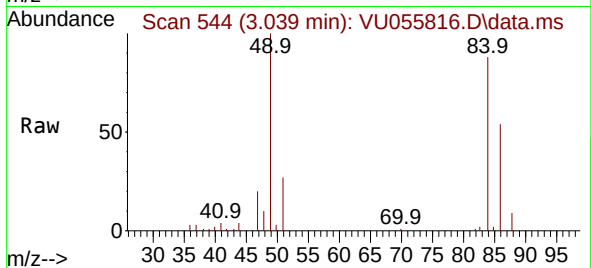
78 10.1 7.4 11.0





#15
Methylene Chloride
Concen: 0.907 ug/l
RT: 3.039 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

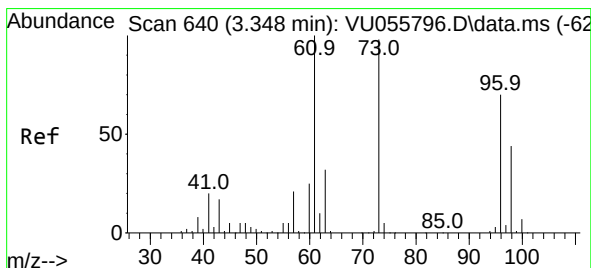
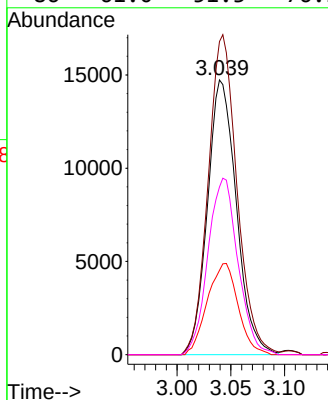
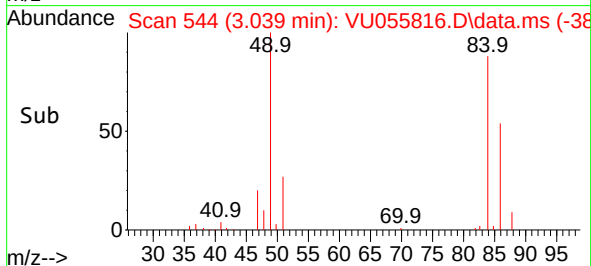
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 84 Resp: 27589
Ion Ratio Lower Upper
84 100
49 114.0 98.9 148.3
51 30.7 0.0 75.4
86 61.0 51.3 76.9

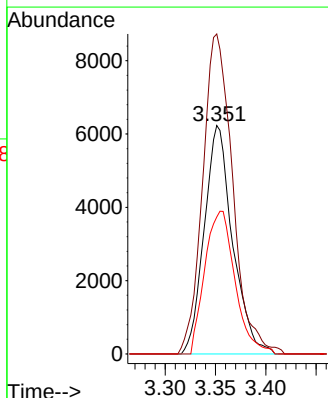
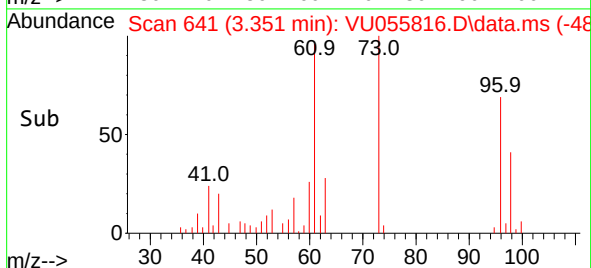
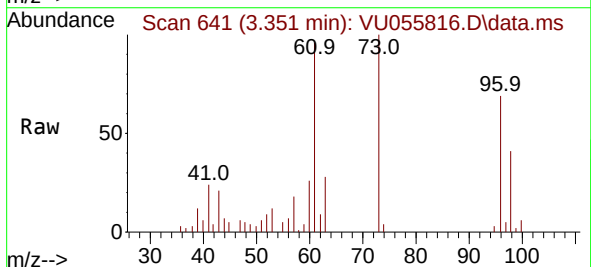
Manual Integrations
APPROVED

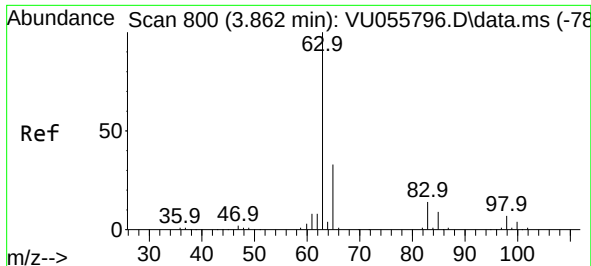
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#16
trans-1,2-Dichloroethene
Concen: 0.447 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Tgt Ion: 96 Resp: 12219
Ion Ratio Lower Upper
96 100
61 140.1 117.5 176.3
98 59.9 48.3 72.5





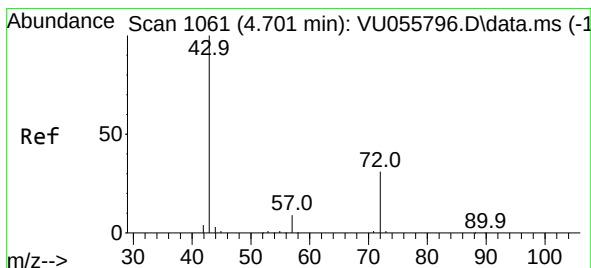
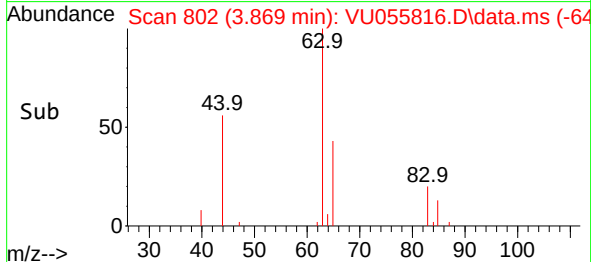
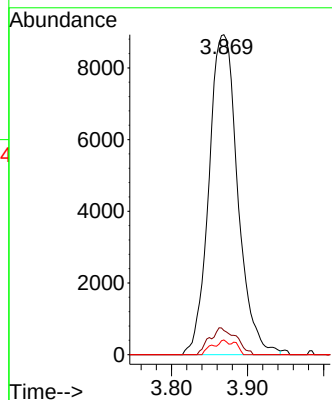
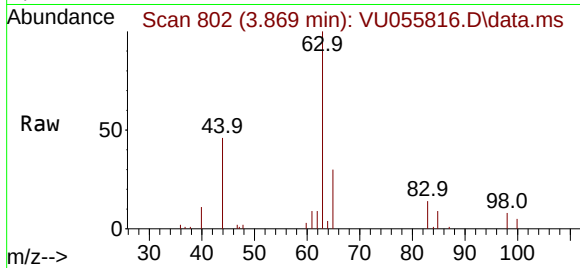
#17
1,1-Dichloroethane
Concen: 0.463 ug/l
RT: 3.869 min Scan# 800
Delta R.T. 0.007 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion: 63 Resp: 23520
Ion Ratio Lower Upper
63 100
98 7.6 3.4 10.1
100 4.6 2.2 6.6

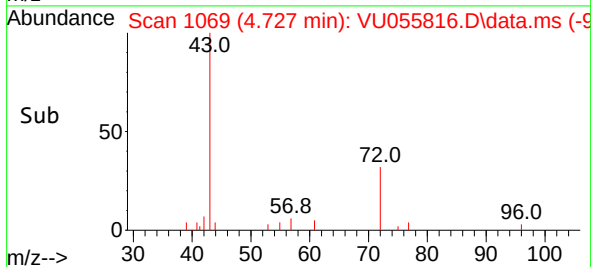
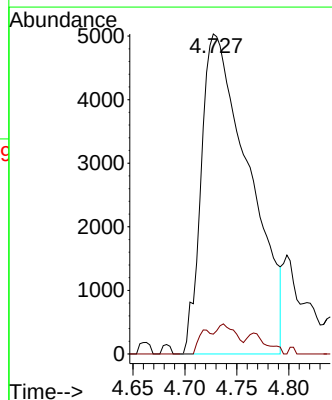
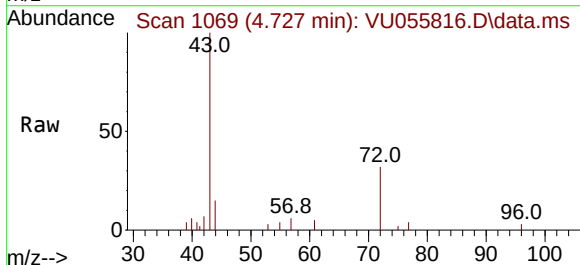
Manual Integrations
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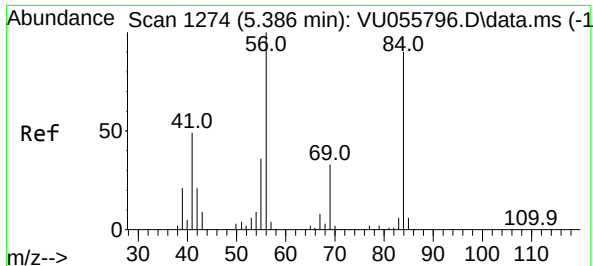
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#18
2-Butanone
Concen: 1.437 ug/l
RT: 4.727 min Scan# 1069
Delta R.T. 0.026 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Tgt Ion: 43 Resp: 16015
Ion Ratio Lower Upper
43 100
57 6.2 0.0 19.6





#19

Cyclohexane

Concen: 0.431 ug/l m

RT: 5.386 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

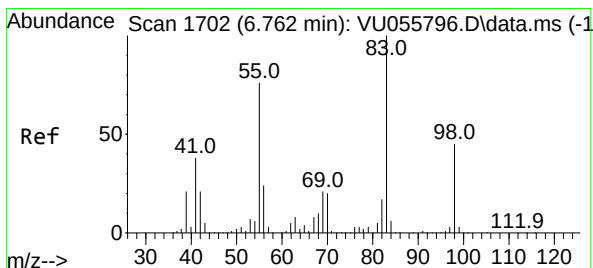
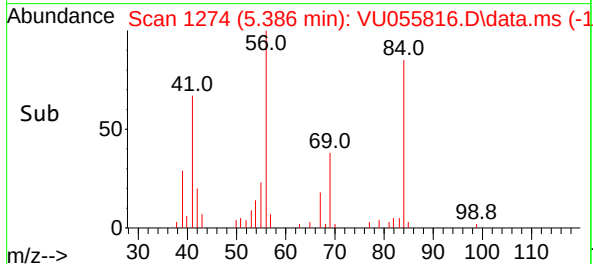
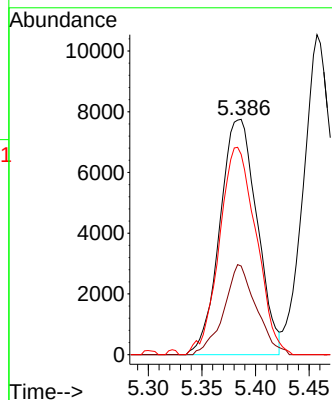
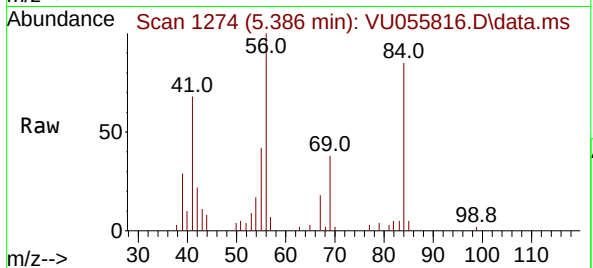
Tgt Ion:	56	Resp:	1869
Ion Ratio	Lower	Upper	
56	100		
69	33.2	24.6	37.0
84	87.3	68.4	102.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#20

Methylcyclohexane

Concen: 0.434 ug/l

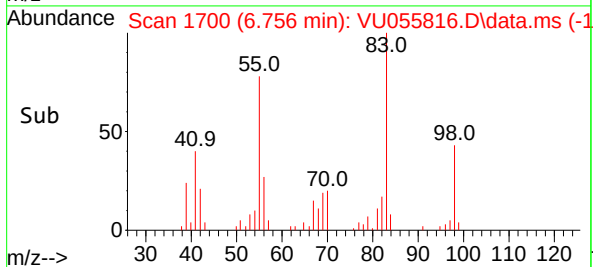
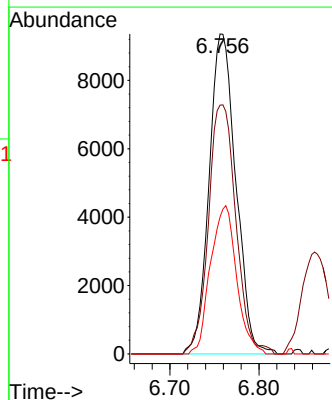
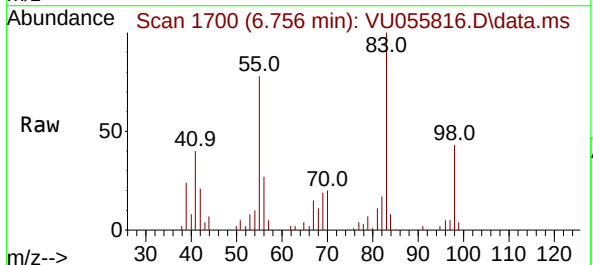
RT: 6.756 min Scan# 1700

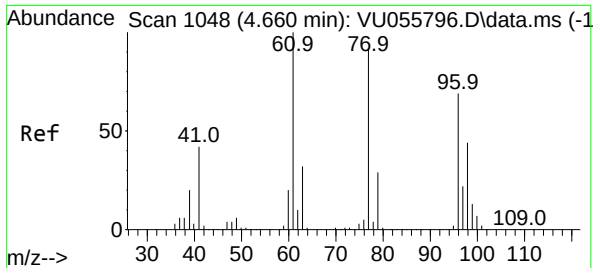
Delta R.T. -0.006 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Tgt Ion:	83	Resp:	19578
Ion Ratio	Lower	Upper	
83	100		
55	79.7	63.5	95.3
98	45.1	36.0	54.0





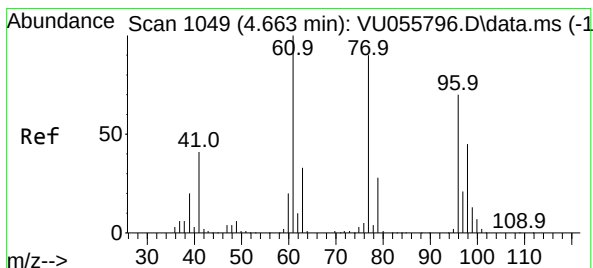
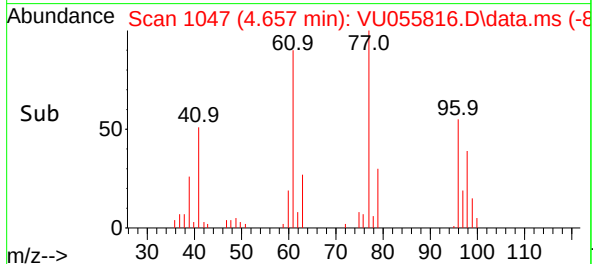
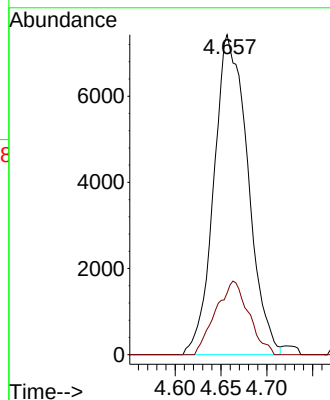
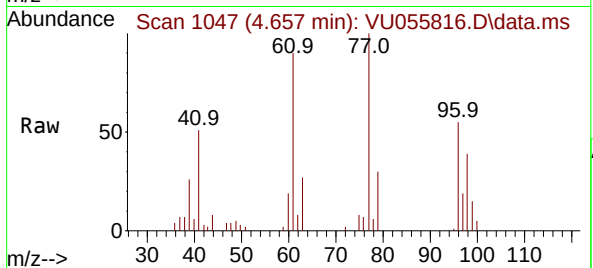
#21
2,2-Dichloropropane
Concen: 0.446 ug/l
RT: 4.657 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2023

Tgt Ion: 77 Resp: 1911
Ion Ratio Lower Upper
77 100
97 22.5 18.4 27.6

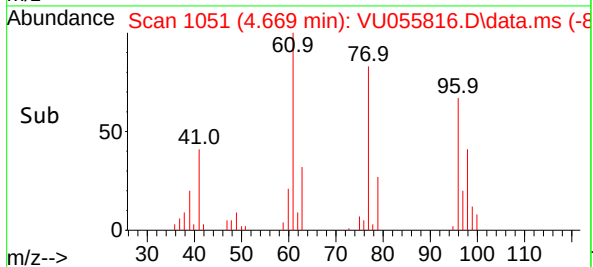
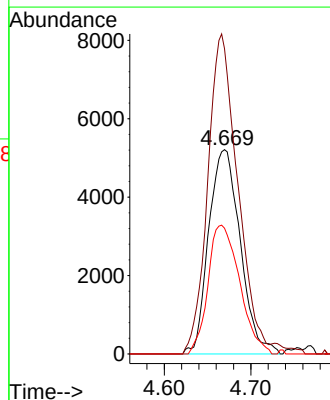
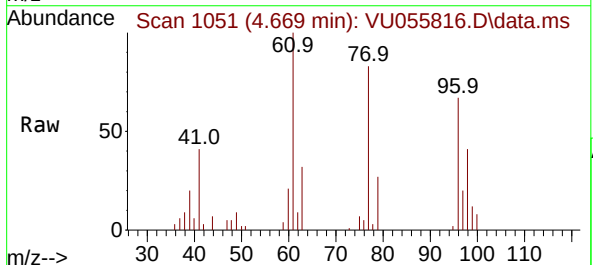
Manual Integrations
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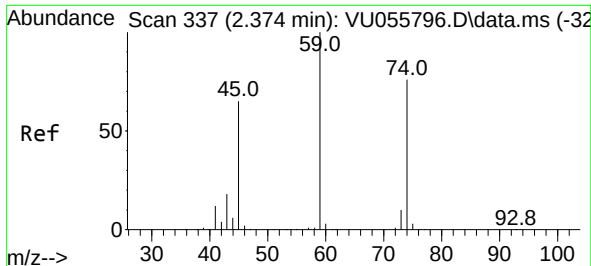
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#22
cis-1,2-Dichloroethene
Concen: 0.453 ug/l
RT: 4.669 min Scan# 1051
Delta R.T. 0.006 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

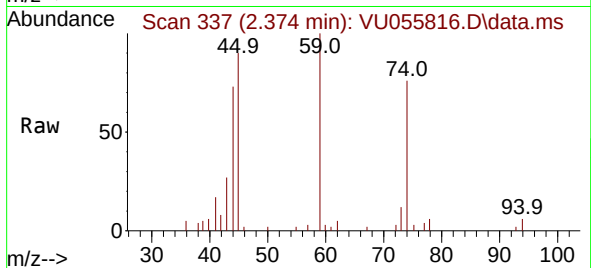
Tgt Ion: 96 Resp: 13201
Ion Ratio Lower Upper
96 100
61 148.1 0.0 365.8
98 63.1 32.0 96.0





#23
Diethyl Ether
Concen: 0.533 ug/l
RT: 2.374 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

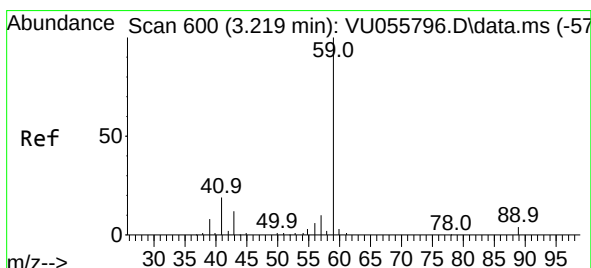
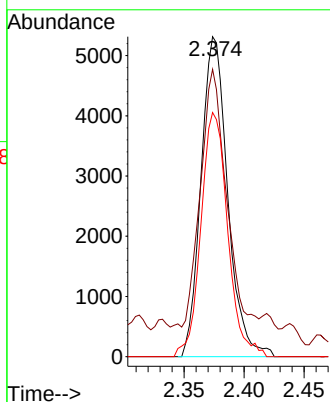
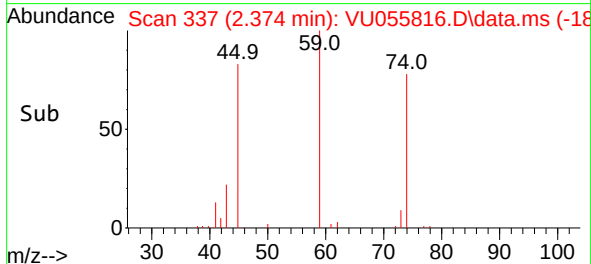
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 59 Resp: 822
Ion Ratio Lower Upper
59 100
45 76.9 56.1 84.1
74 76.5 57.4 86.2

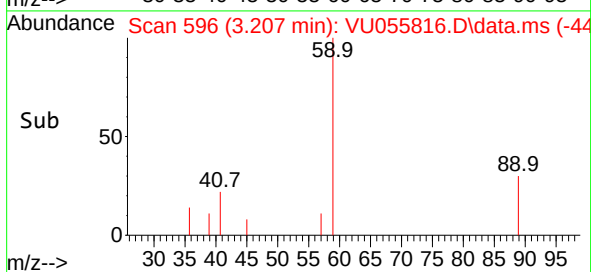
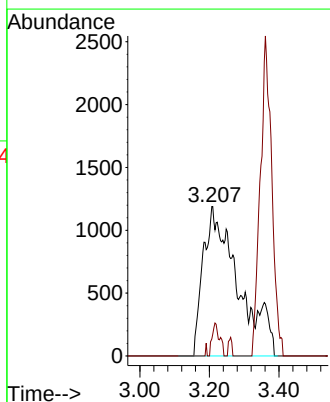
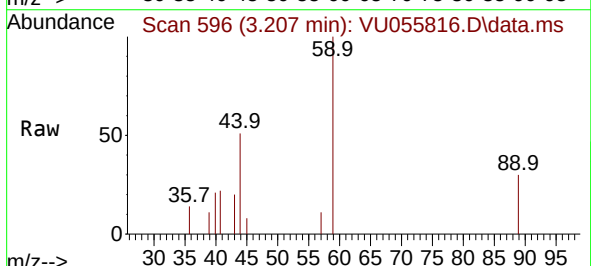
Manual Integrations
APPROVED

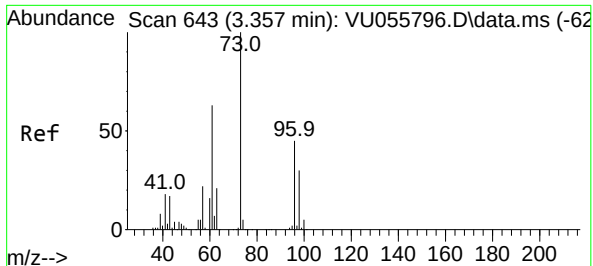
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#24
tert-Butyl Alcohol
Concen: 5.236 ug/l m
RT: 3.207 min Scan# 596
Delta R.T. -0.012 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

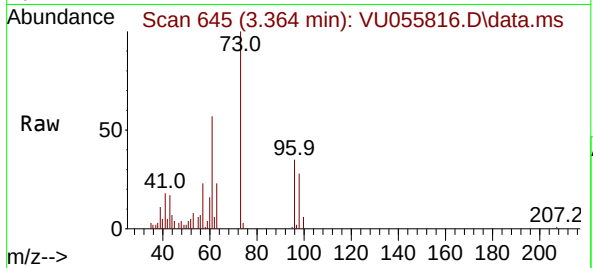
Tgt Ion: 59 Resp: 8283
Ion Ratio Lower Upper
59 100
57 3.8 105.6 158.4#





#25
Methyl tert-Butyl Ether
Concen: 0.456 ug/l
RT: 3.364 min Scan# 643
Delta R.T. 0.007 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

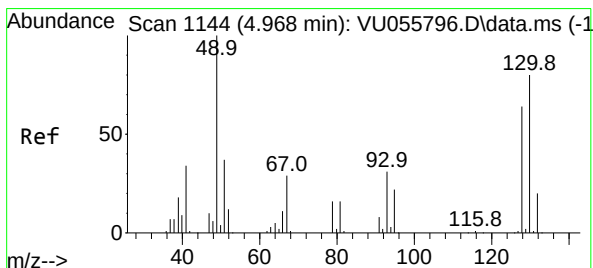
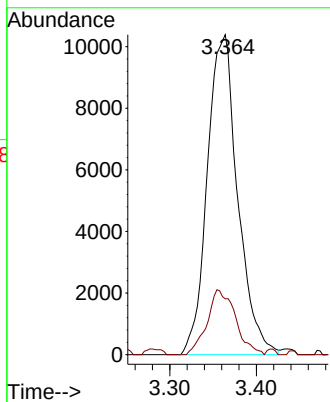
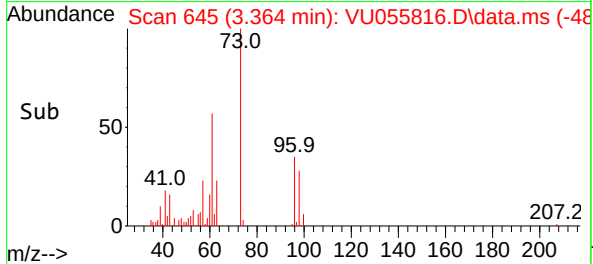
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 73 Resp: 2533
Ion Ratio Lower Upper
73 100
43 18.9 15.0 22.6

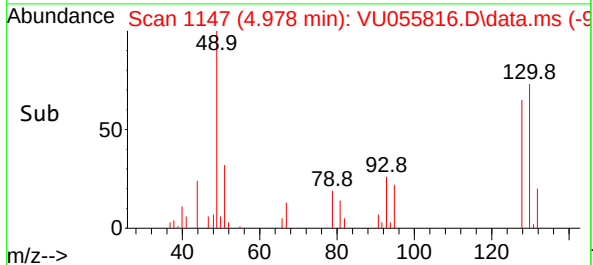
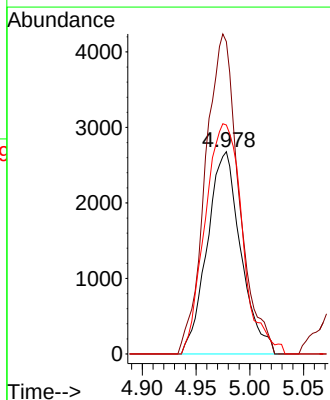
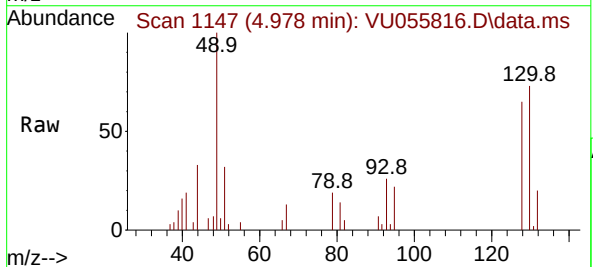
Manual Integrations
APPROVED

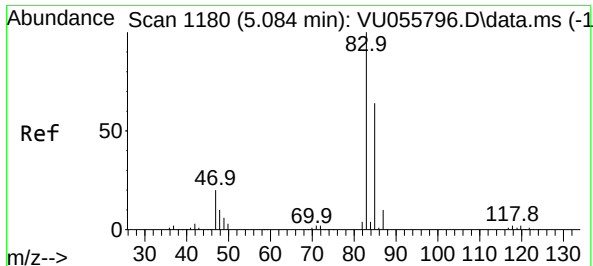
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#26
Bromochloromethane
Concen: 0.471 ug/l
RT: 4.978 min Scan# 1147
Delta R.T. 0.010 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Tgt Ion:128 Resp: 5820
Ion Ratio Lower Upper
128 100
49 157.8 0.0 324.6
130 126.7 103.0 154.4





#27

Chloroform

Concen: 0.474 ug/l

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 83 Resp: 24739

Ion Ratio Lower Upper

83 100

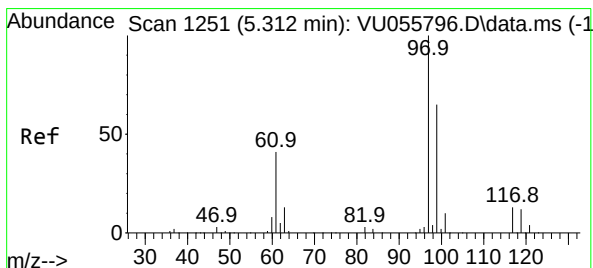
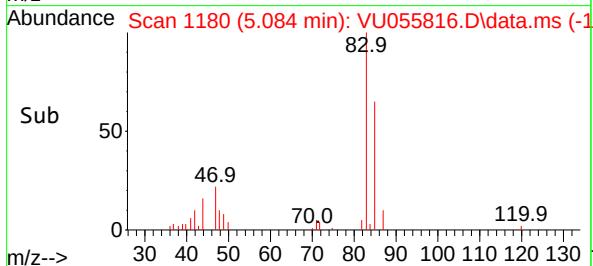
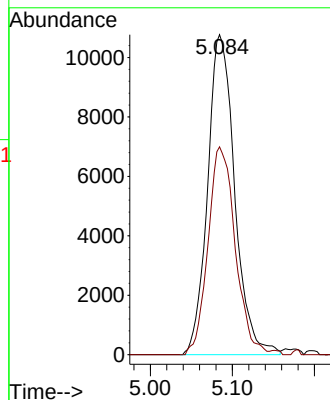
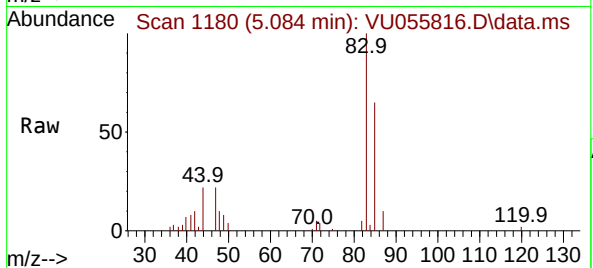
85 65.0 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#28

1,1,1-Trichloroethane

Concen: 0.461 ug/l

RT: 5.313 min Scan# 1251

Delta R.T. 0.001 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

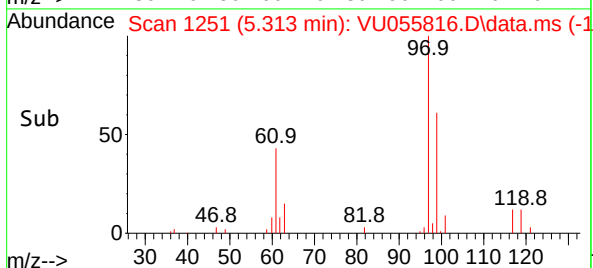
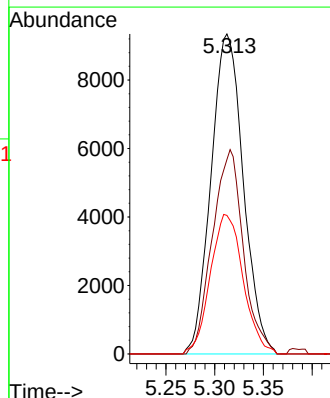
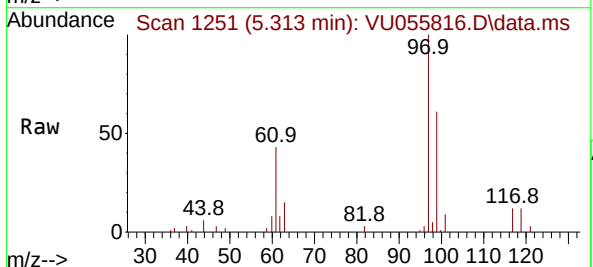
Tgt Ion: 97 Resp: 21577

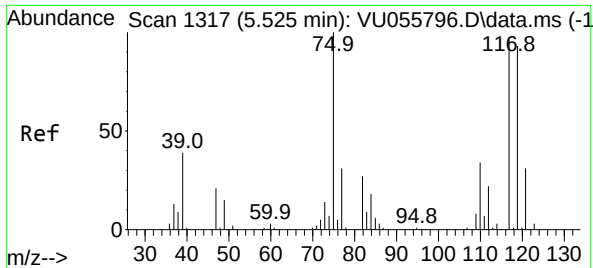
Ion Ratio Lower Upper

97 100

99 61.1 32.0 96.2

61 44.2 22.9 68.5





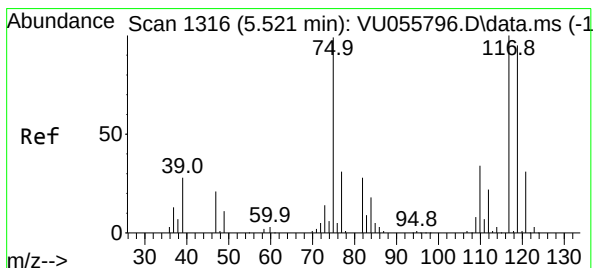
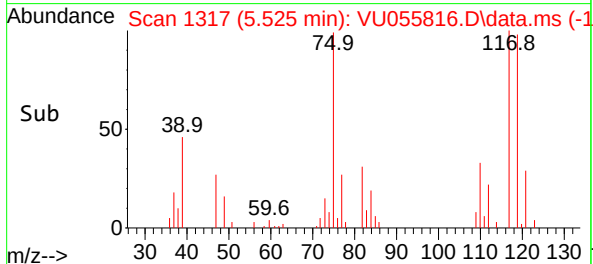
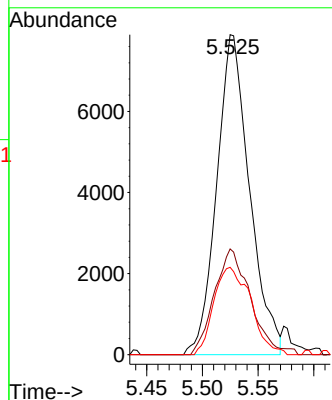
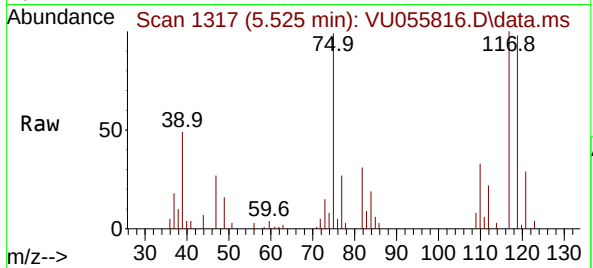
#29
1,1-Dichloropropene
Concen: 0.437 ug/l
RT: 5.525 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2023

Tgt Ion: 75 Resp: 16178
Ion Ratio Lower Upper
75 100
110 36.4 18.0 54.0
77 30.8 24.7 37.1

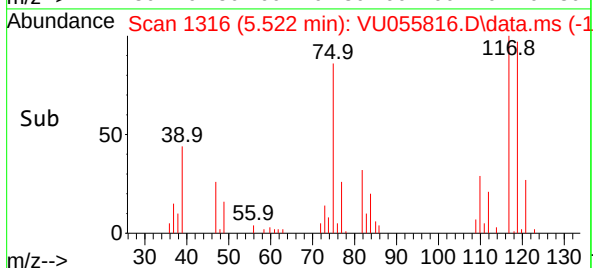
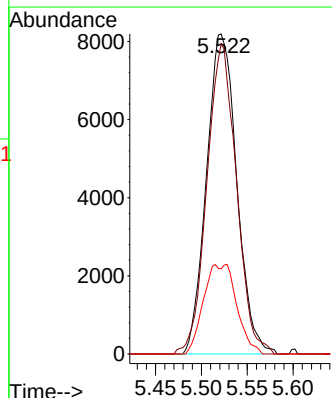
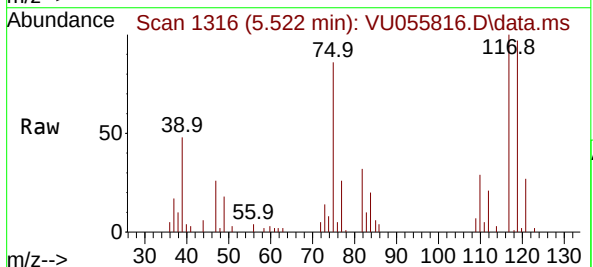
Manual Integrations
APPROVED

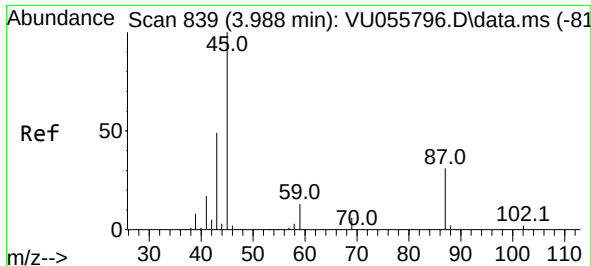
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#30
Carbon Tetrachloride
Concen: 0.461 ug/l
RT: 5.522 min Scan# 1316
Delta R.T. 0.001 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Tgt Ion:117 Resp: 18821
Ion Ratio Lower Upper
117 100
119 96.9 77.4 116.0
121 26.6 24.0 36.0





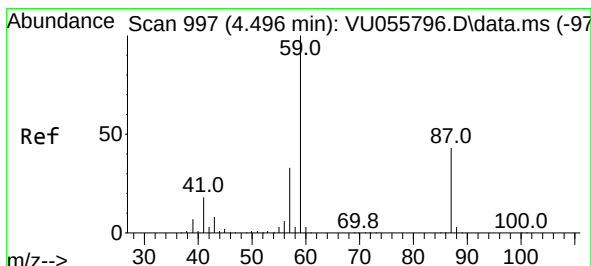
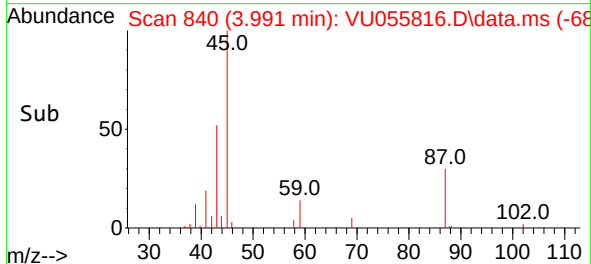
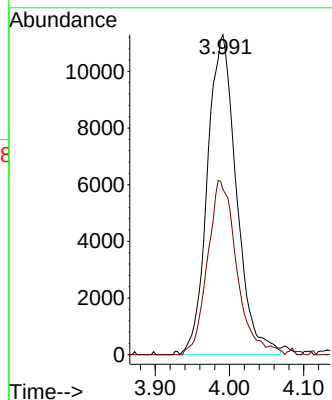
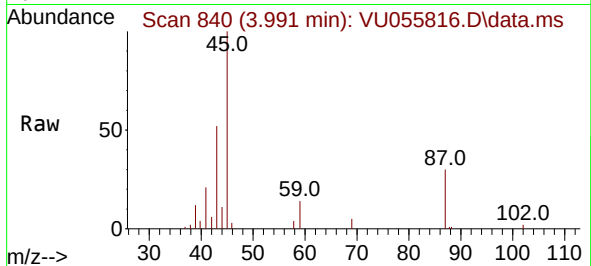
#31
Isopropyl Ether
Concen: 0.449 ug/l
RT: 3.991 min Scan# 840
Delta R.T. 0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion: 45 Resp: 3065
Ion Ratio Lower Upper
45 100
43 54.1 27.5 82.5

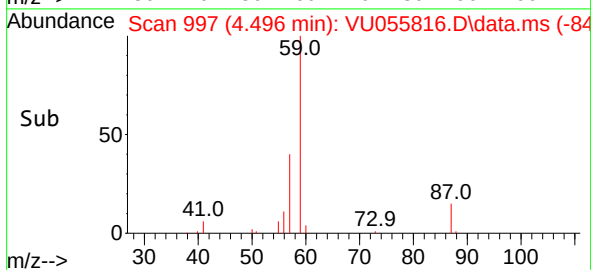
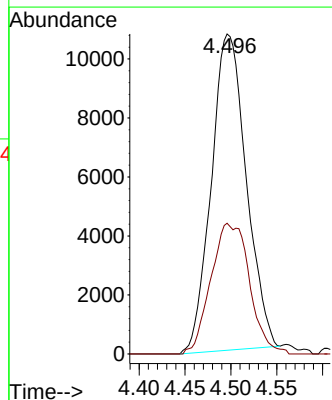
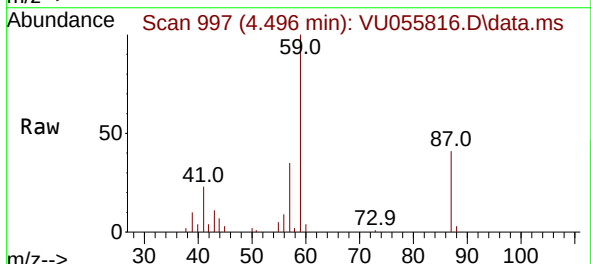
Manual Integrations
APPROVED

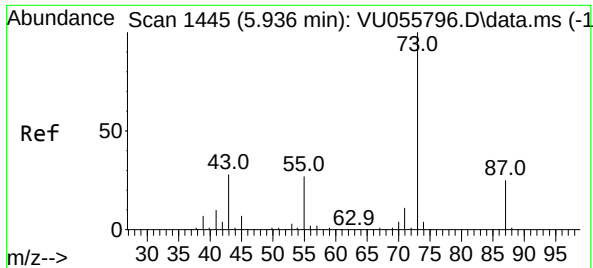
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#32
Ethyl-t-butyl ether
Concen: 0.431 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Tgt Ion: 59 Resp: 28425
Ion Ratio Lower Upper
59 100
87 45.6 33.5 50.3





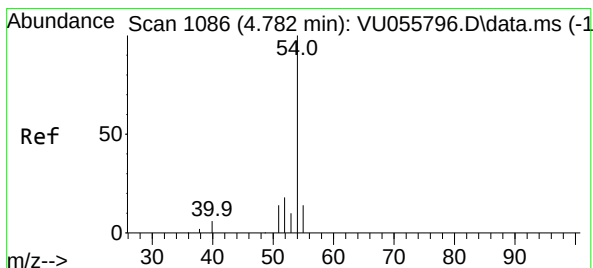
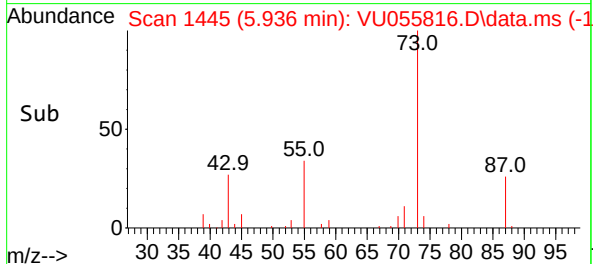
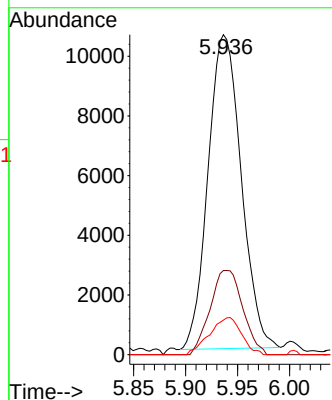
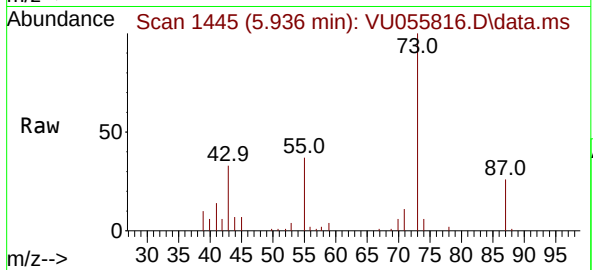
#33
Tert-Amyl methyl ether
Concen: 0.413 ug/l
RT: 5.936 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion: 73 Resp: 2336
Ion Ratio Lower Upper
73 100
87 26.3 18.6 28.0
71 11.4 9.9 14.9

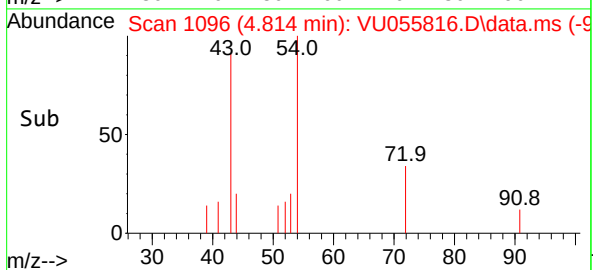
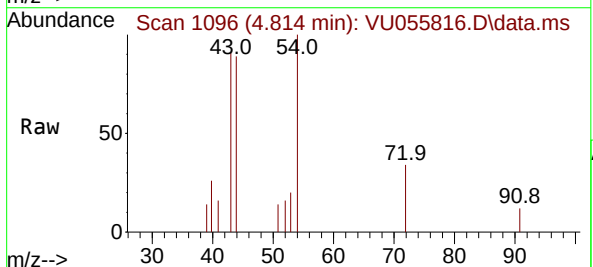
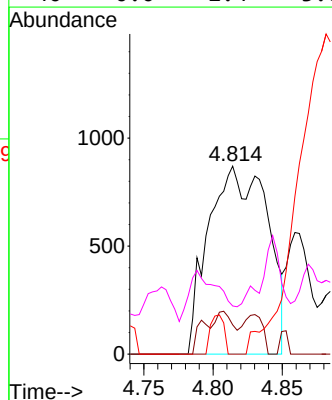
Manual Integrations
APPROVED

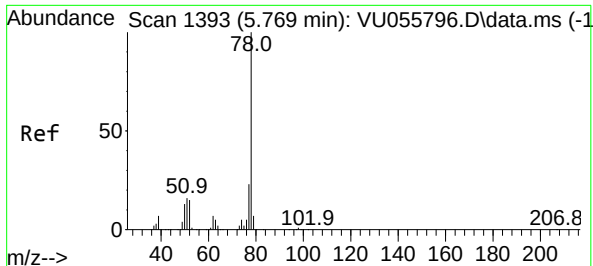
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#34
Propionitrile
Concen: 1.462 ug/l m
RT: 4.814 min Scan# 1096
Delta R.T. 0.032 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Tgt Ion: 54 Resp: 2577
Ion Ratio Lower Upper
54 100
52 7.1 17.4 26.0#
55 0.0 104.1 156.1#
40 0.0 2.4 3.6#





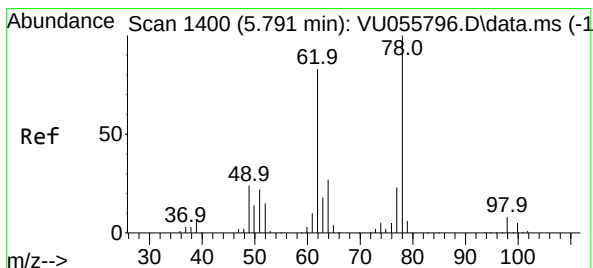
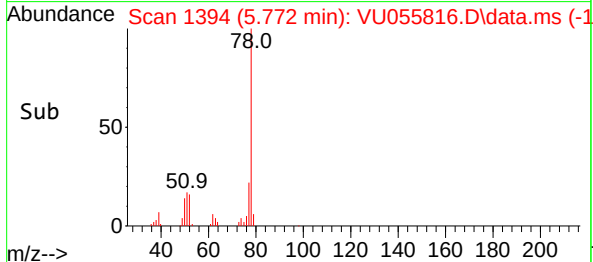
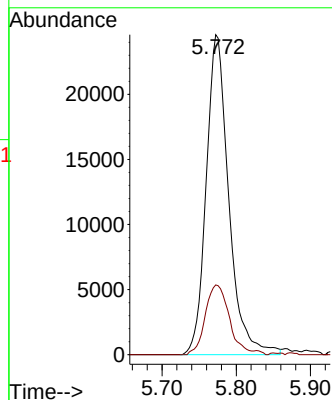
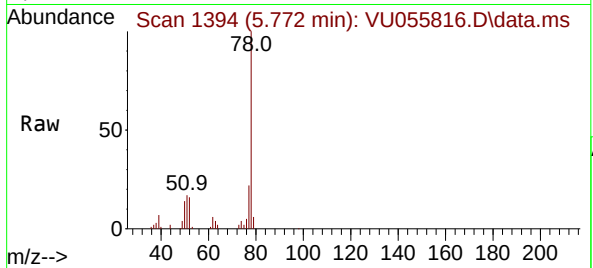
#35
Benzene
Concen: 0.462 ug/l
RT: 5.772 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion: 78 Resp: 51830
Ion Ratio Lower Upper
78 100
77 21.8 18.9 28.3

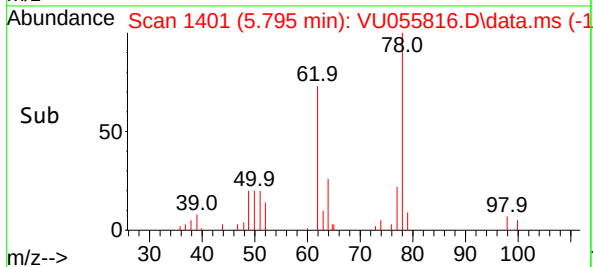
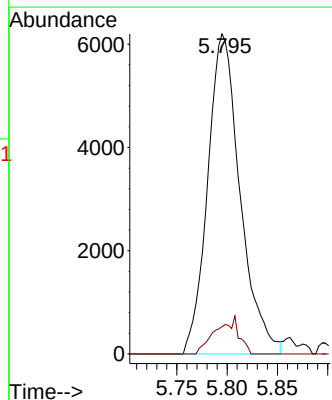
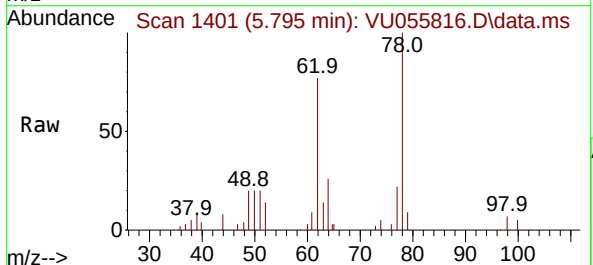
Manual Integrations
APPROVED

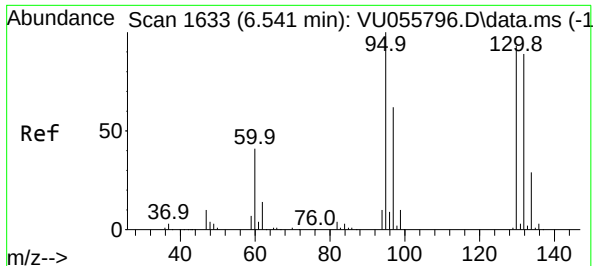
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#36
1,2-Dichloroethane
Concen: 0.456 ug/l
RT: 5.795 min Scan# 1401
Delta R.T. 0.004 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Tgt Ion: 62 Resp: 13890
Ion Ratio Lower Upper
62 100
98 8.3 7.3 10.9





#37

Trichloroethene

Concen: 0.475 ug/l

RT: 6.544 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion:130 Resp: 1387

Ion Ratio Lower Upper

130 100

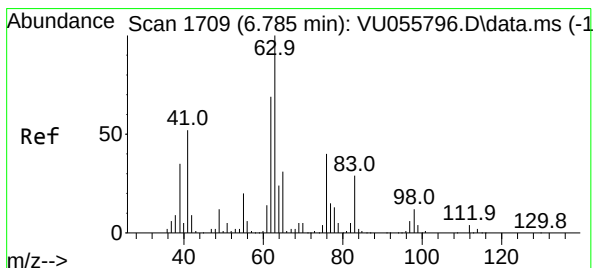
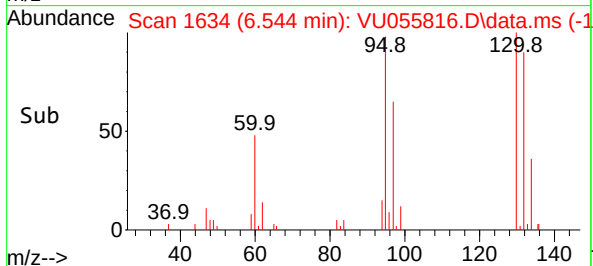
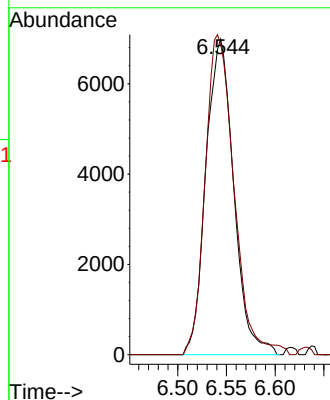
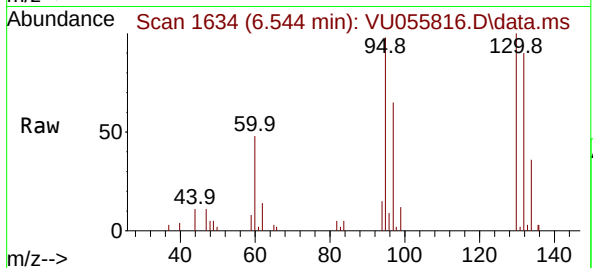
95 98.3 85.0 127.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#38

1,2-Dichloropropane

Concen: 0.465 ug/l

RT: 6.792 min Scan# 1711

Delta R.T. 0.007 min

Lab File: VU055816.D

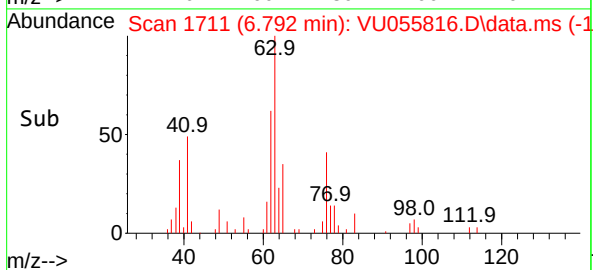
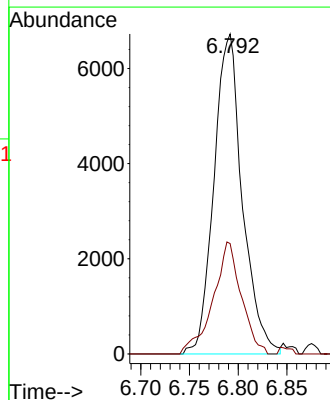
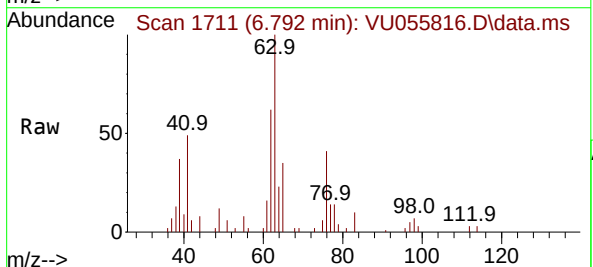
Acq: 19 Oct 2023 18:05

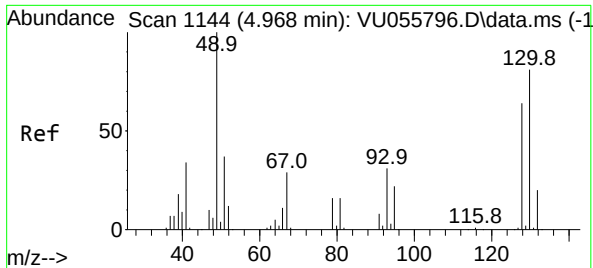
Tgt Ion: 63 Resp: 13629

Ion Ratio Lower Upper

63 100

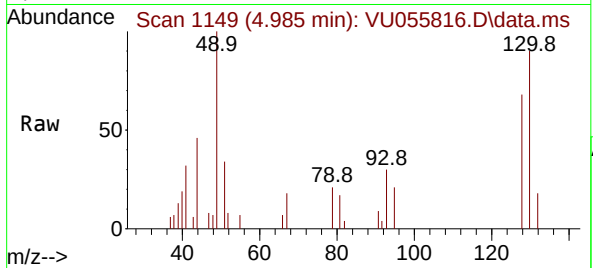
65 34.5 24.9 37.3





#39
Methacrylonitrile
Concen: 0.447 ug/l m
RT: 4.985 min Scan# 1117
Delta R.T. 0.017 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

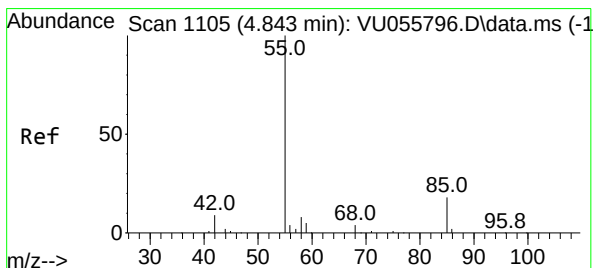
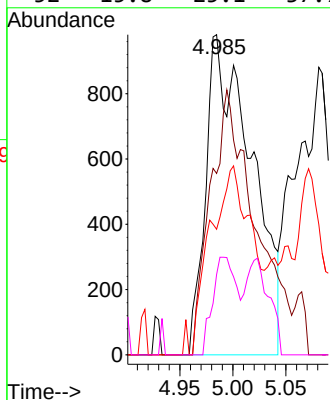
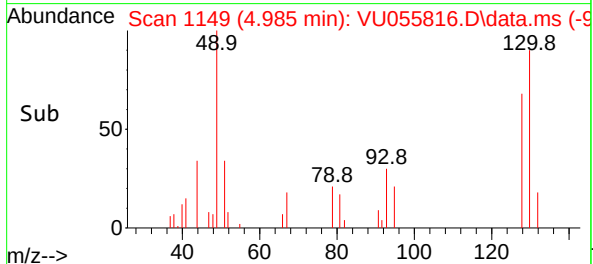
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 41 Resp: 2939
Ion Ratio Lower Upper
41 100
67 81.1 66.8 100.2
39 53.5 41.2 61.8
52 15.8 25.1 37.7#

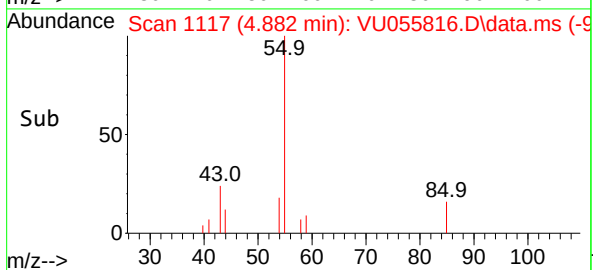
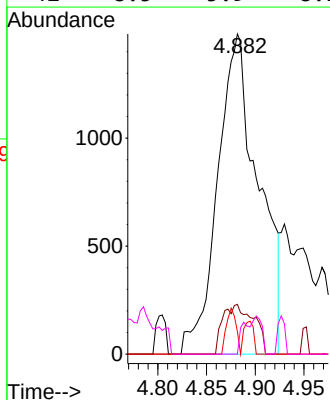
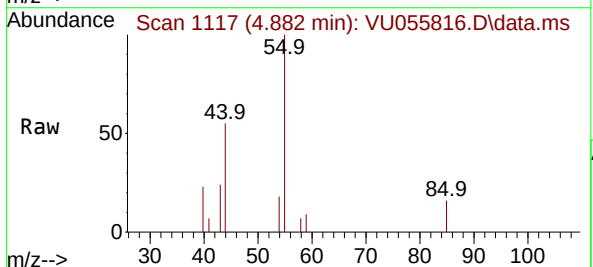
Manual Integrations
APPROVED

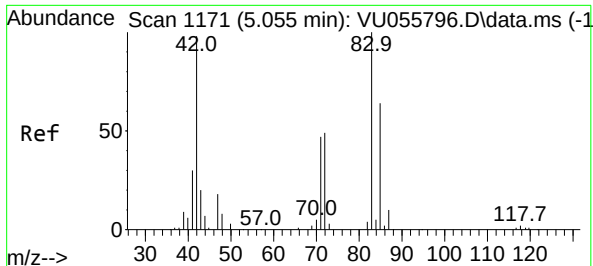
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#40
Methyl acrylate
Concen: 0.405 ug/l
RT: 4.882 min Scan# 1117
Delta R.T. 0.039 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Tgt Ion: 55 Resp: 4291
Ion Ratio Lower Upper
55 100
85 11.8 13.3 19.9#
58 3.4 6.5 9.7#
42 8.5 5.9 8.9





#41

Tetrahydrofuran

Concen: 0.955 ug/l

RT: 5.075 min Scan# 1171

Delta R.T. 0.020 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

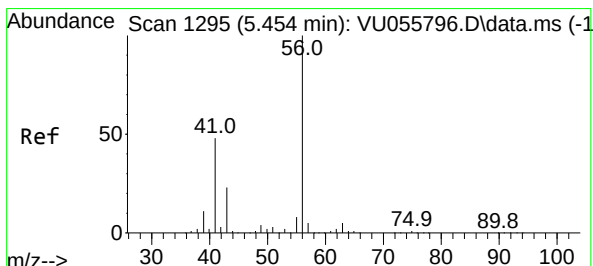
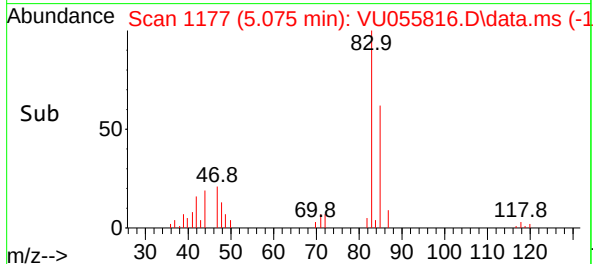
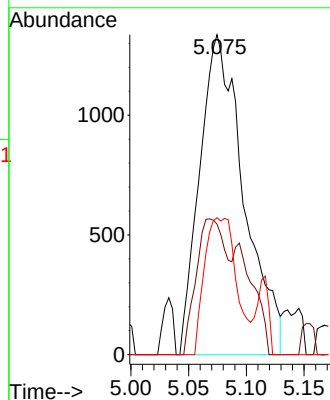
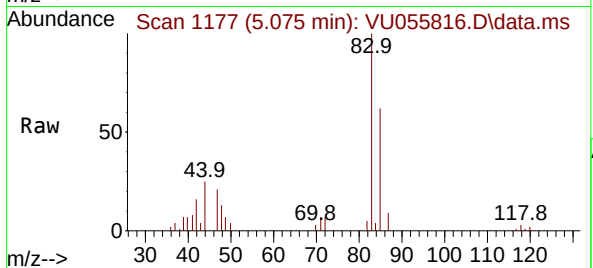
Tgt Ion:	42	Resp:	355
Ion Ratio	Lower	Upper	
42	100		
72	29.7	40.9	61.3
71	30.8	36.9	55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#42

1-Chlorobutane

Concen: 0.445 ug/l

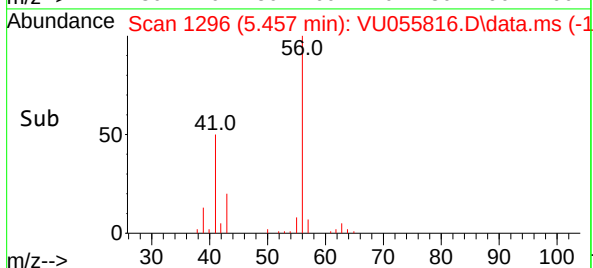
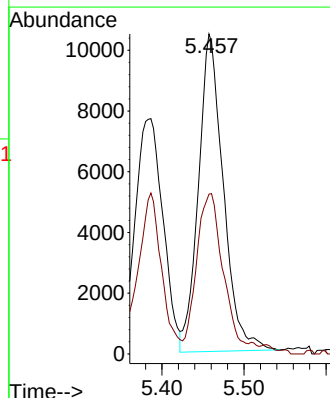
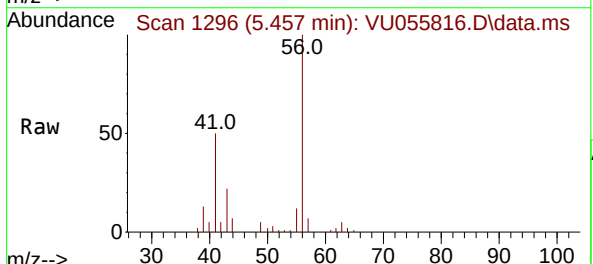
RT: 5.457 min Scan# 1296

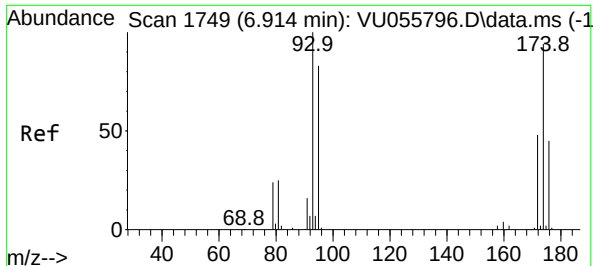
Delta R.T. 0.003 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Tgt Ion:	56	Resp:	21956
Ion Ratio	Lower	Upper	
56	100		
41	48.6	25.2	75.6





#43

Dibromomethane

Concen: 0.445 ug/l

RT: 6.914 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 93 Resp: 620

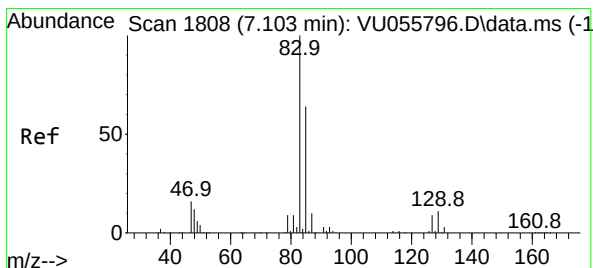
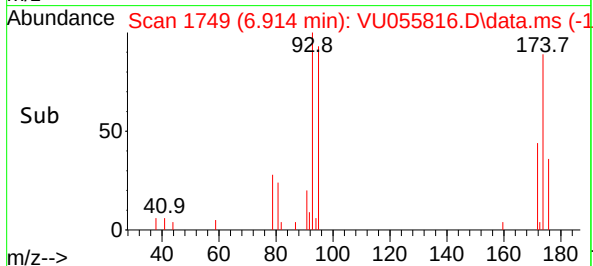
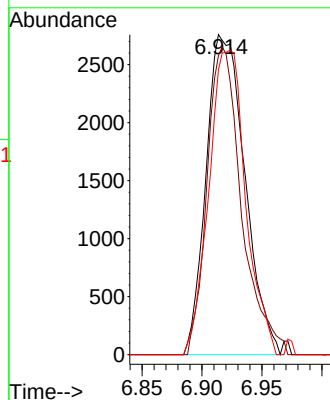
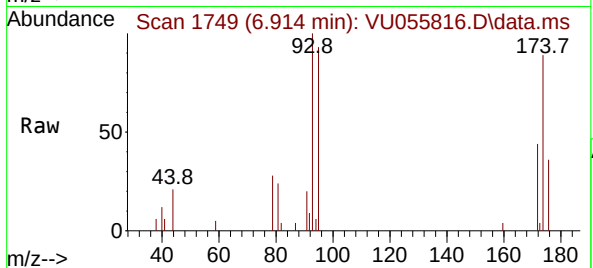
Ion	Ratio	Lower	Upper
93	100		
95	85.5	67.0	100.6
174	90.2	73.8	110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#44

Bromodichloromethane

Concen: 0.464 ug/l

RT: 7.103 min Scan# 1808

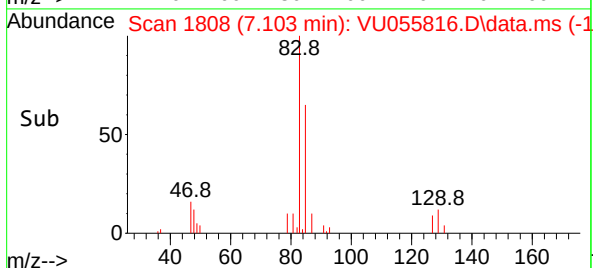
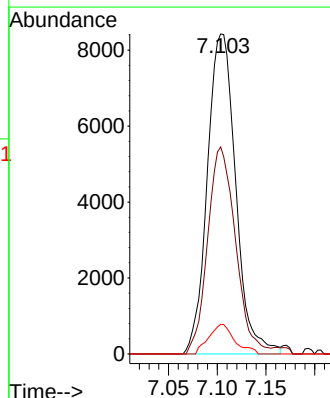
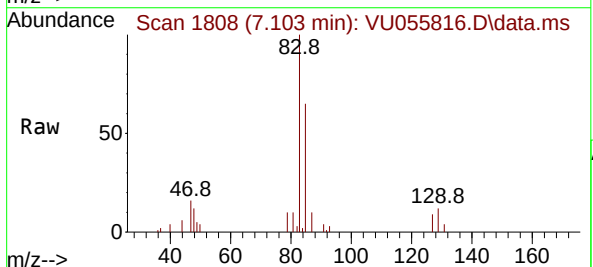
Delta R.T. 0.000 min

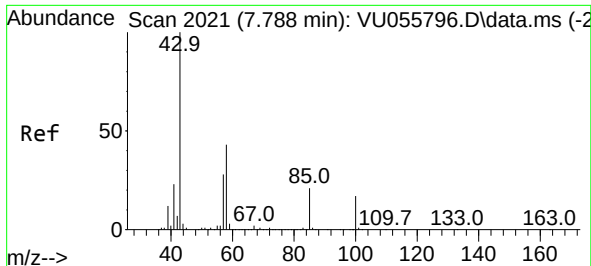
Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Tgt Ion: 83 Resp: 17088

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.9	77.9
127	9.3	6.7	10.1





#45

4-Methyl-2-Pentanone

Concen: 2.066 ug/l

RT: 7.792 min Scan# 2021

Delta R.T. 0.004 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

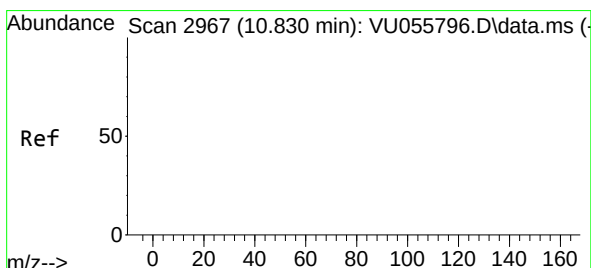
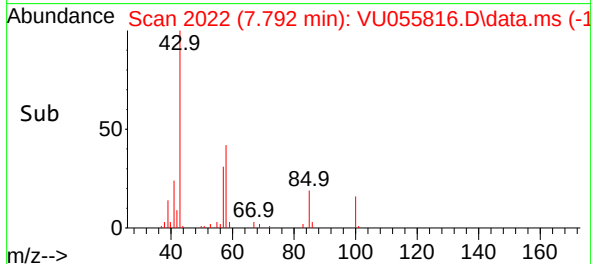
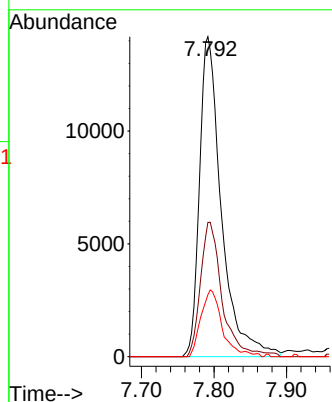
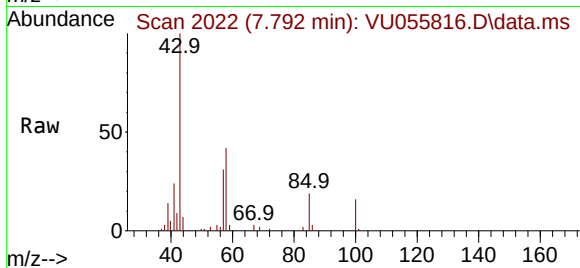
Tgt Ion: 43	Resp: 2975
Ion Ratio	Lower Upper
43 100	
58 41.6	20.9 62.8
85 20.3	14.6 21.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#46

t-1,4-Dichloro-2-butene

Concen: 0.671 ug/l m

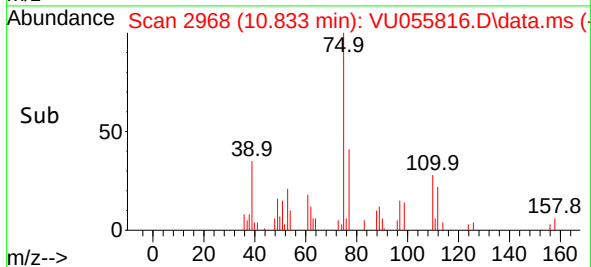
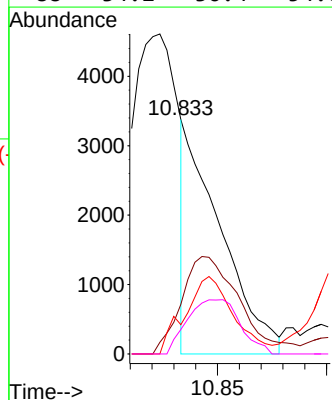
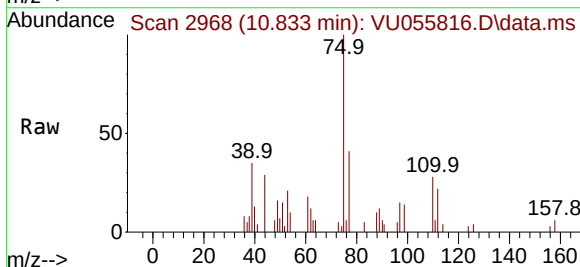
RT: 10.833 min Scan# 2968

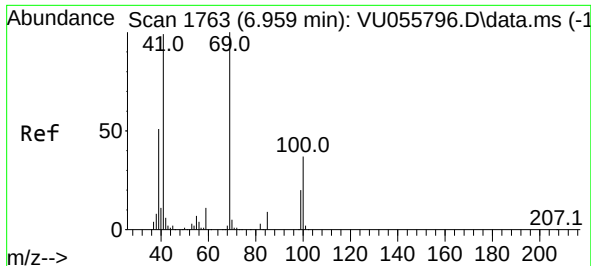
Delta R.T. 0.003 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Tgt Ion: 75	Resp: 3843
Ion Ratio	Lower Upper
75 100	
53 67.8	73.3 109.9#
89 44.9	48.2 72.4#
88 34.2	36.4 54.6#





#47

Methyl methacrylate

Concen: 0.847 ug/l

RT: 6.965 min Scan# 1763

Delta R.T. 0.006 min

Lab File: VU055816.D

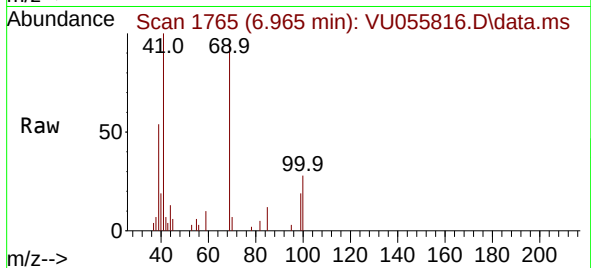
Acq: 19 Oct 2023 18:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023



Tgt Ion: 69 Resp: 973

Ion Ratio Lower Upper

69 100

41 109.5 0.0 209.2

39 57.3 46.7 70.1

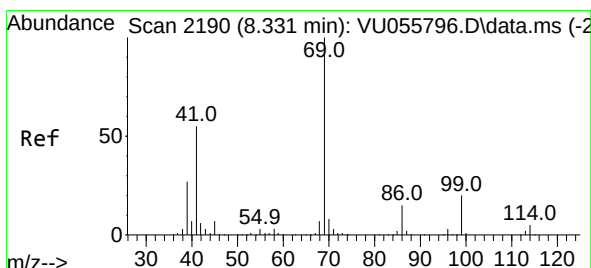
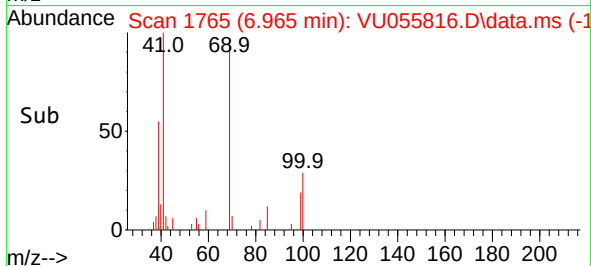
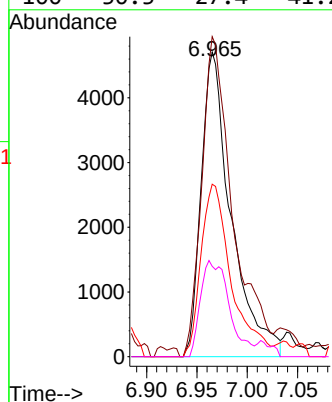
100 30.3 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#48

Ethyl methacrylate

Concen: 0.388 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.004 min

Lab File: VU055816.D

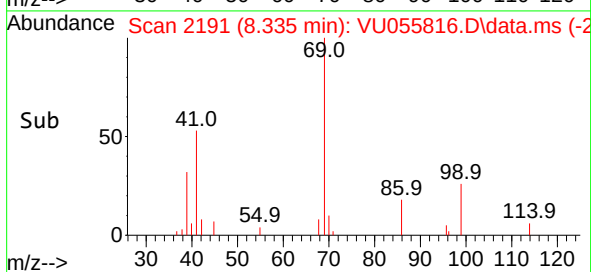
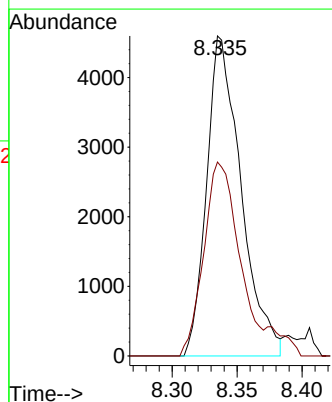
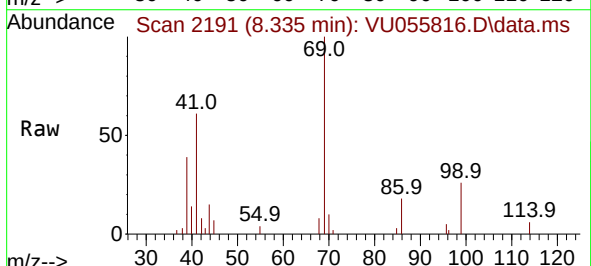
Acq: 19 Oct 2023 18:05

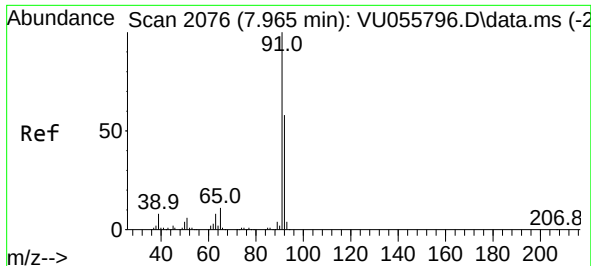
Tgt Ion: 69 Resp: 8471

Ion Ratio Lower Upper

69 100

41 61.9 30.3 90.8





#49

Toluene

Concen: 0.430 ug/l

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 92 Resp: 2855

Ion Ratio Lower Upper

92 100

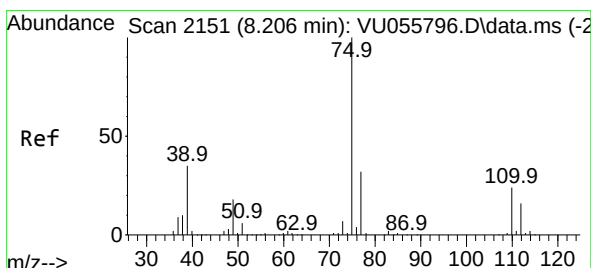
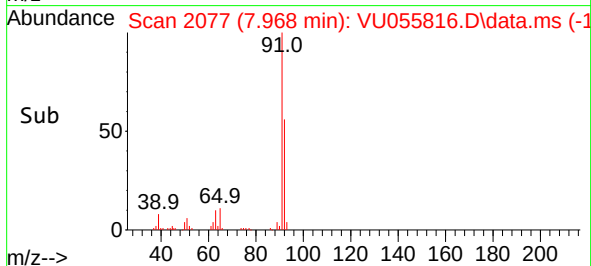
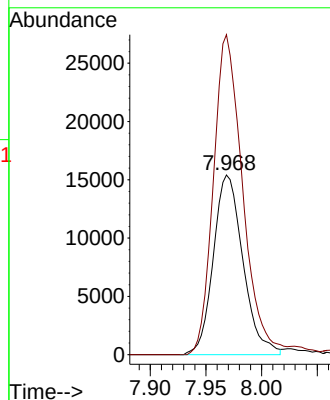
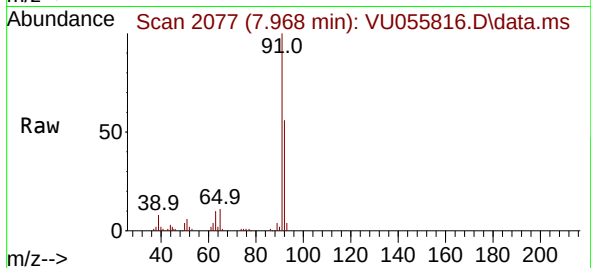
91 175.2 143.0 214.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#50

t-1,3-Dichloropropene

Concen: 0.431 ug/l

RT: 8.213 min Scan# 2153

Delta R.T. 0.007 min

Lab File: VU055816.D

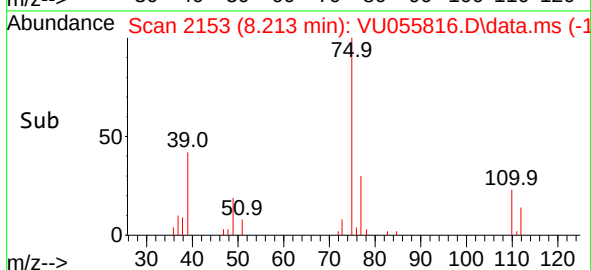
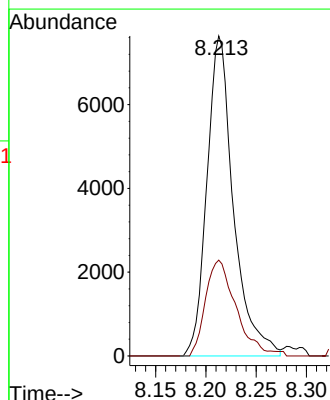
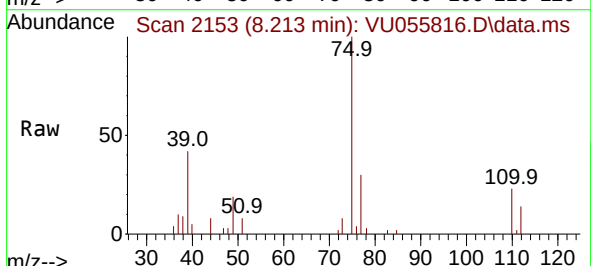
Acq: 19 Oct 2023 18:05

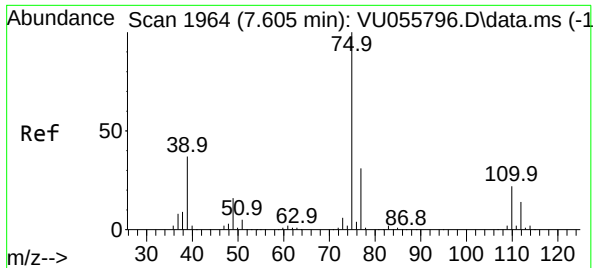
Tgt Ion: 75 Resp: 14039

Ion Ratio Lower Upper

75 100

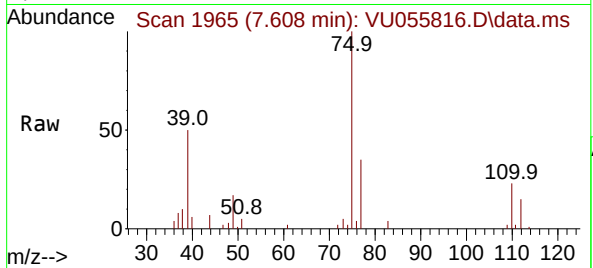
77 29.9 25.3 37.9





#51
 cis-1,3-Dichloropropene
 Concen: 0.412 ug/l
 RT: 7.608 min Scan# 1964
 Delta R.T. 0.003 min
 Lab File: VU055816.D
 Acq: 19 Oct 2023 18:05

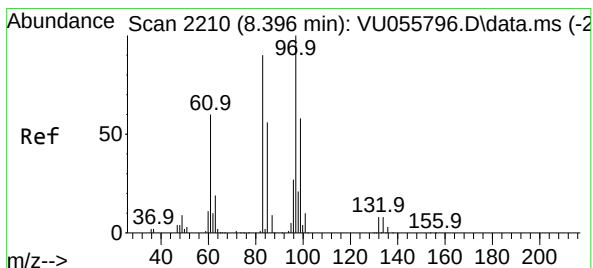
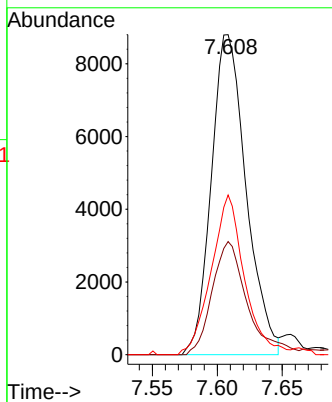
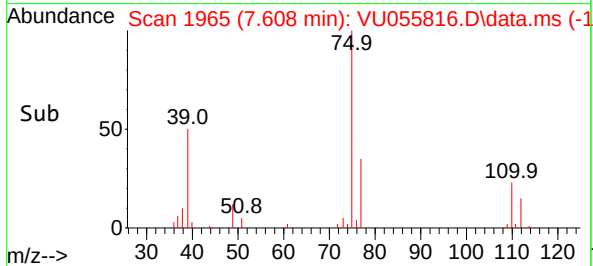
Instrument : MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2023



Tgt Ion: 75 Resp: 1641
 Ion Ratio Lower Upper
 75 100
 77 35.3 25.7 38.5
 39 49.9 32.8 49.2

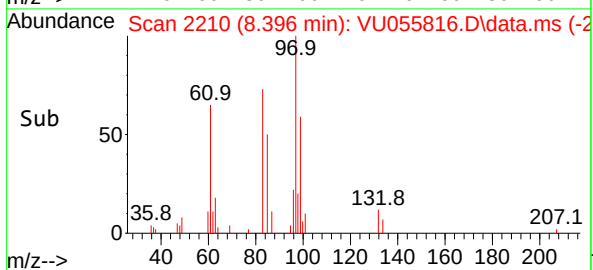
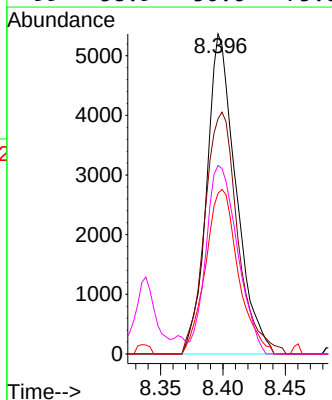
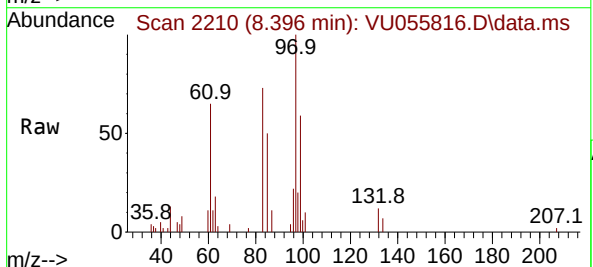
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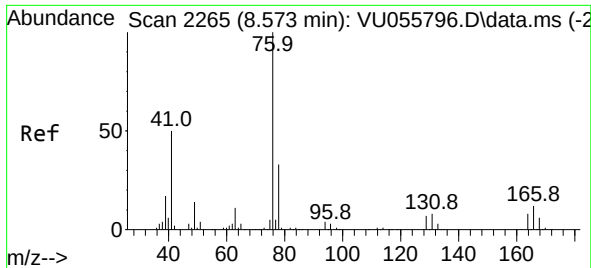
Reviewed By :John Carlone 10/20/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#52
 1,1,2-Trichloroethane
 Concen: 0.442 ug/l
 RT: 8.396 min Scan# 2210
 Delta R.T. 0.000 min
 Lab File: VU055816.D
 Acq: 19 Oct 2023 18:05

Tgt Ion: 97 Resp: 8791
 Ion Ratio Lower Upper
 97 100
 83 73.5 71.8 107.8
 85 50.2 45.2 67.8
 99 58.9 50.6 75.8





#53

1,3-Dichloropropane

Concen: 0.480 ug/l

RT: 8.573 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 76 Resp: 1631

Ion Ratio Lower Upper

76 100

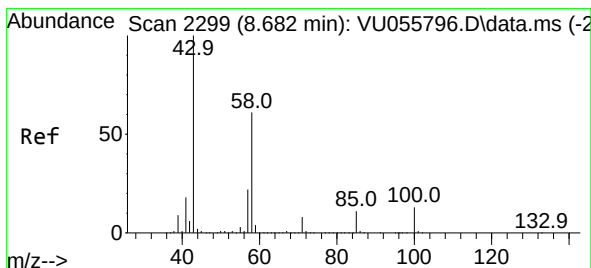
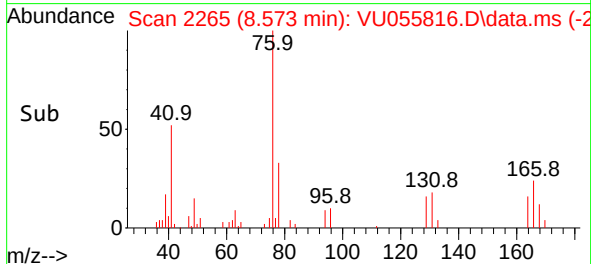
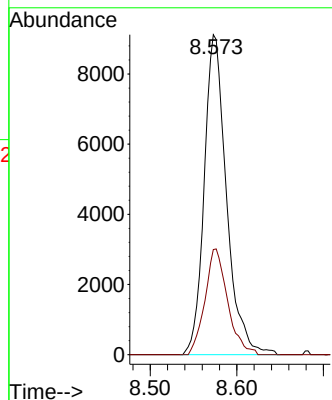
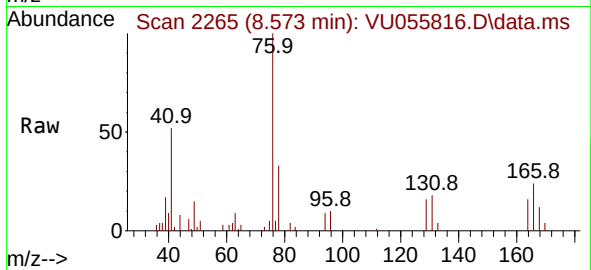
78 33.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#54

2-Hexanone

Concen: 1.503 ug/l

RT: 8.692 min Scan# 2302

Delta R.T. 0.010 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

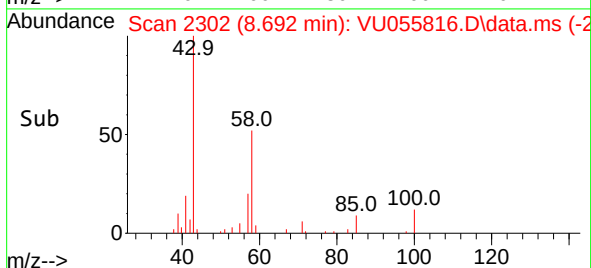
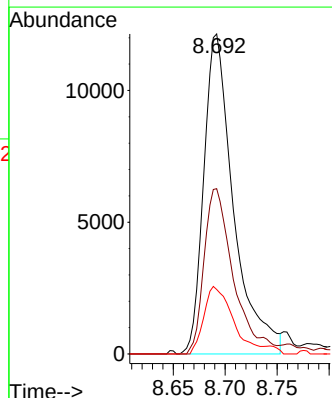
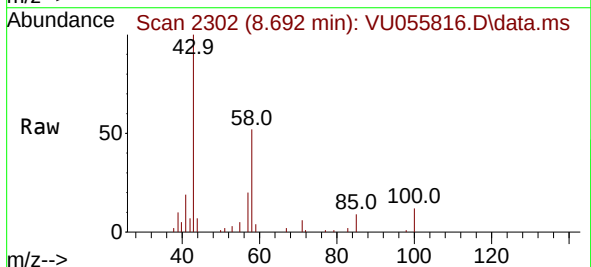
Tgt Ion: 43 Resp: 24250

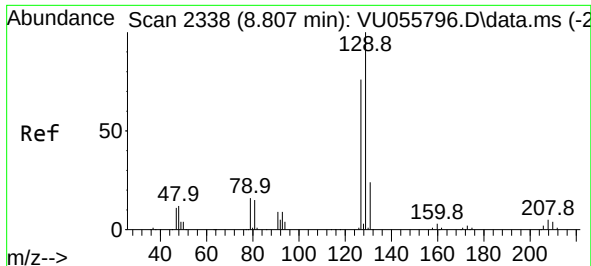
Ion Ratio Lower Upper

43 100

58 50.8 38.2 78.2

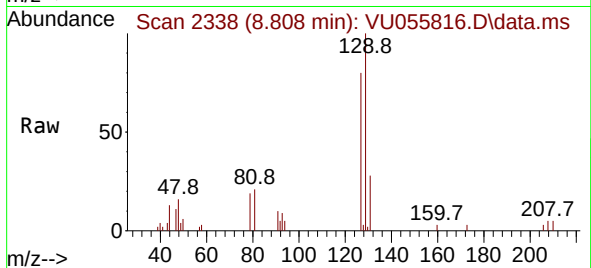
57 20.6 0.0 39.1





#55
Dibromochloromethane
Concen: 0.417 ug/l
RT: 8.808 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

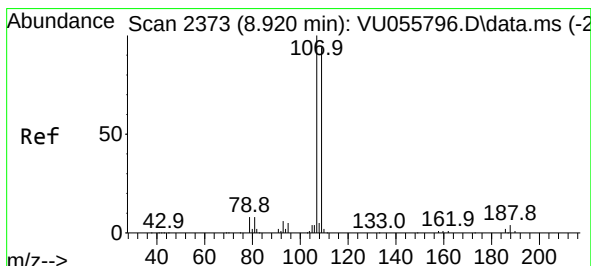
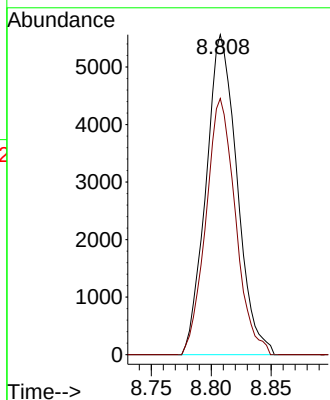
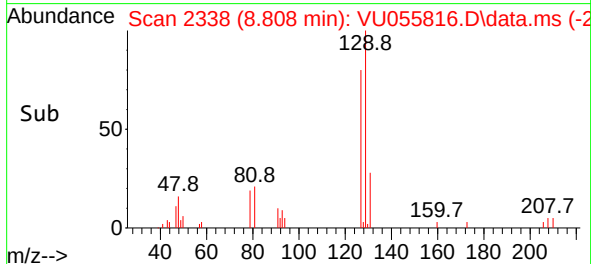
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion:129 Resp: 1000
Ion Ratio Lower Upper
129 100
127 76.3 61.4 92.0

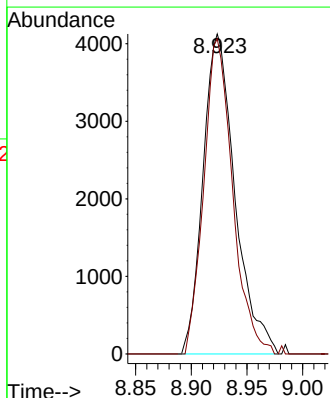
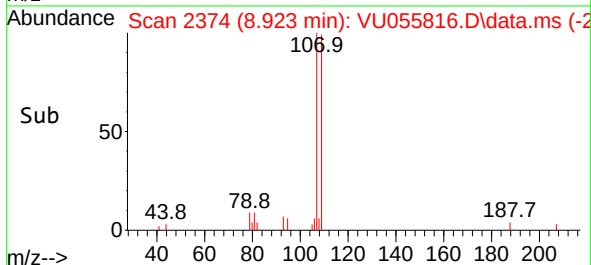
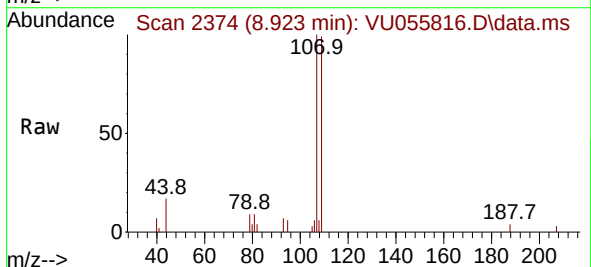
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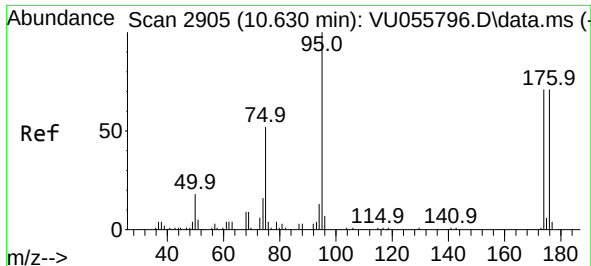
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#56
1,2-Dibromoethane
Concen: 0.454 ug/l
RT: 8.923 min Scan# 2374
Delta R.T. 0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

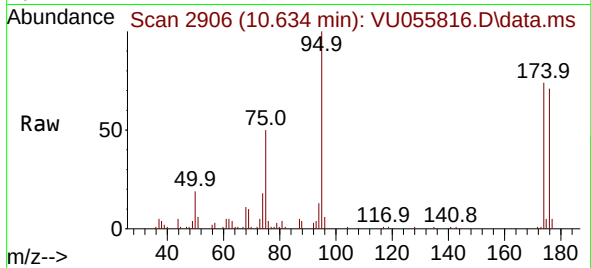
Tgt Ion:107 Resp: 8245
Ion Ratio Lower Upper
107 100
109 88.8 0.0 184.4





#57
4-Bromofluorobenzene
Concen: 0.917 ug/l
RT: 10.634 min Scan# 2905
Delta R.T. 0.004 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

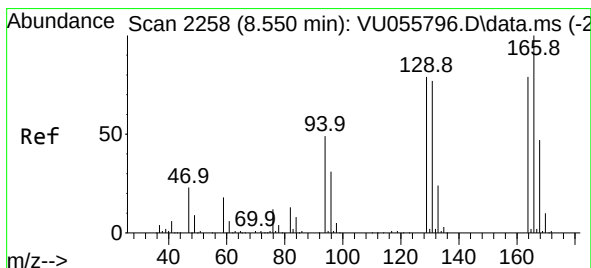
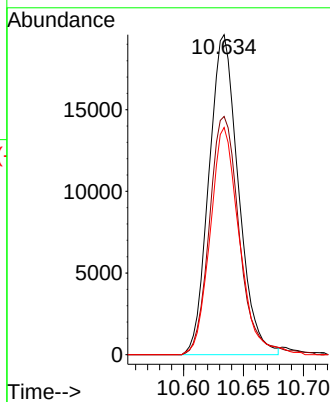
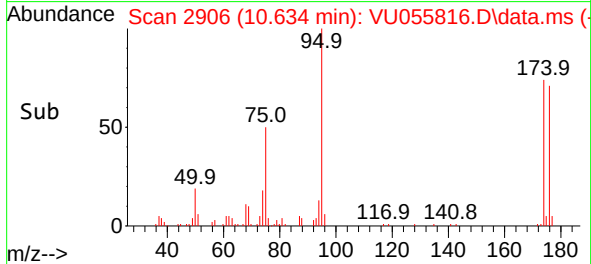
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2023



Tgt Ion: 95 Resp: 33454
Ion Ratio Lower Upper
95 100
174 75.9 63.3 94.9
176 70.4 59.3 88.9

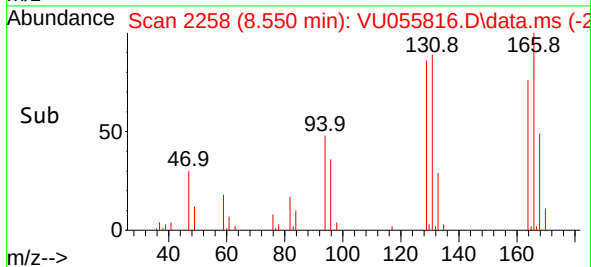
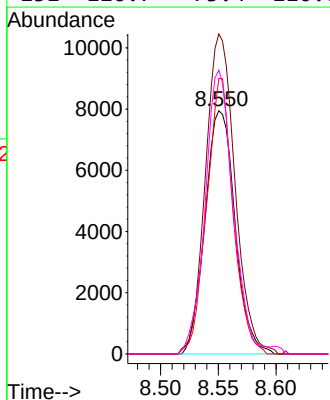
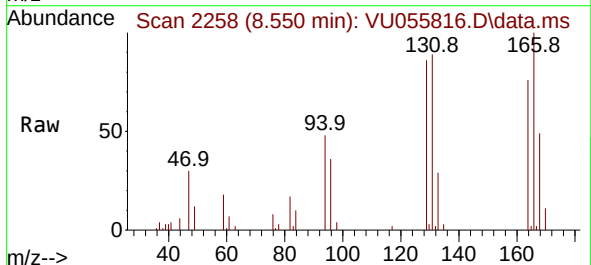
Manual Integrations
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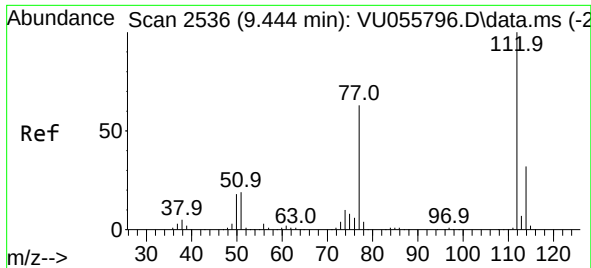
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#58
Tetrachloroethene
Concen: 0.473 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Tgt Ion:164 Resp: 14372
Ion Ratio Lower Upper
164 100
166 131.5 99.6 149.4
129 113.3 78.6 117.8
131 116.7 73.4 110.0#





#59

Chlorobenzene

Concen: 0.454 ug/l

RT: 9.447 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion:112 Resp: 3330

Ion Ratio Lower Upper

112 100

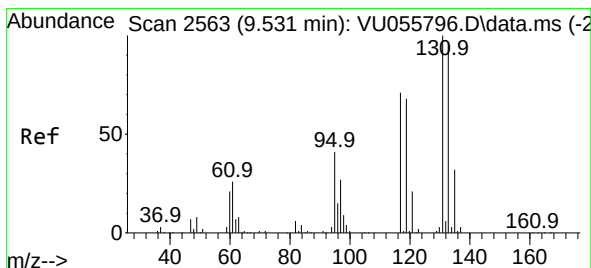
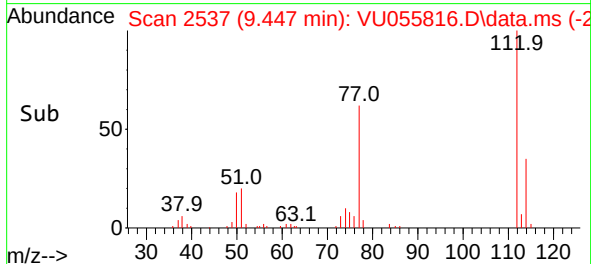
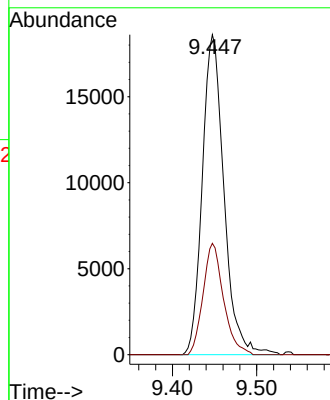
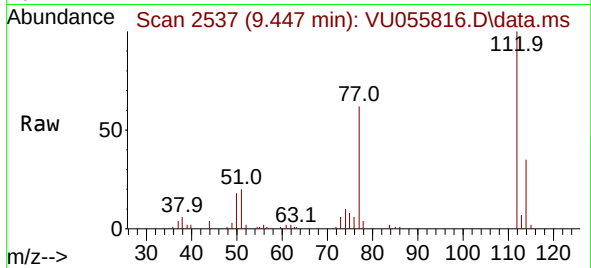
114 34.8 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#60

1,1,1,2-Tetrachloroethane

Concen: 0.414 ug/l

RT: 9.531 min Scan# 2563

Delta R.T. 0.000 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

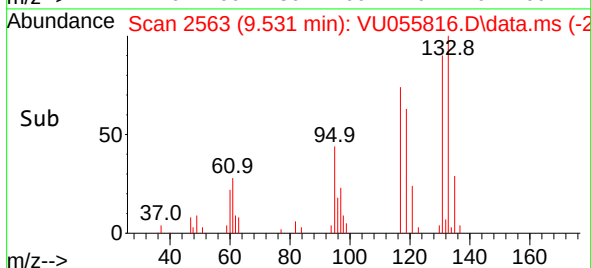
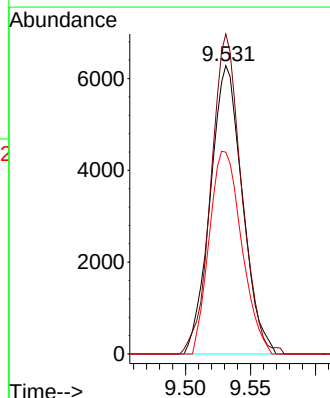
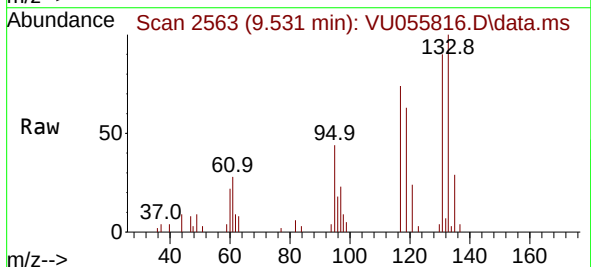
Tgt Ion:131 Resp: 10834

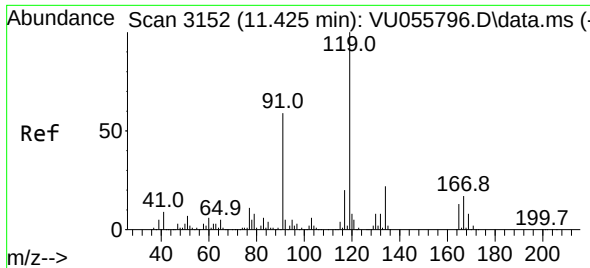
Ion Ratio Lower Upper

131 100

133 104.3 77.8 116.6

119 70.5 55.2 82.8





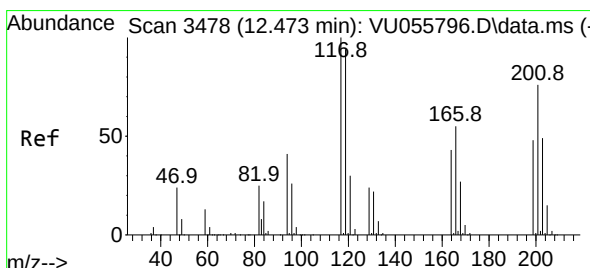
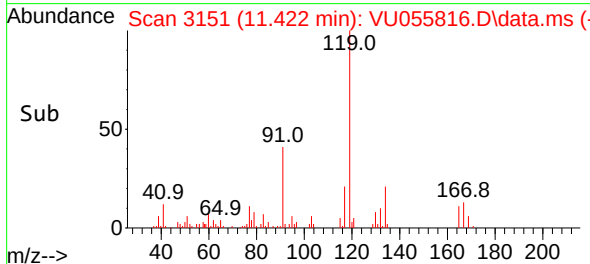
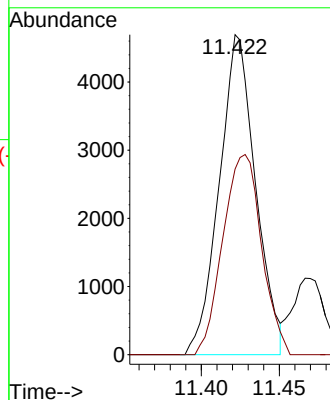
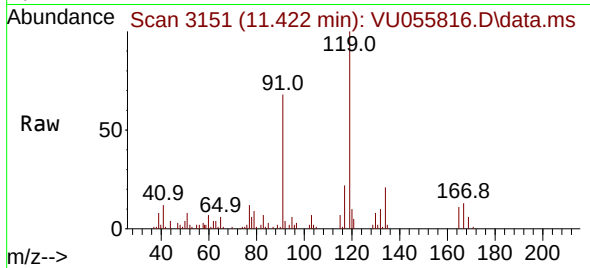
#61
Pentachloroethane
Concen: 0.430 ug/l
RT: 11.422 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:117 Resp: 760
Ion Ratio Lower Upper
117 100
167 66.7 56.7 85.1

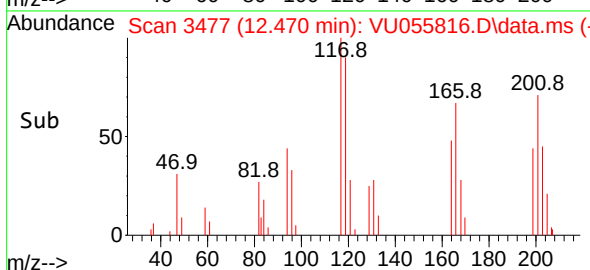
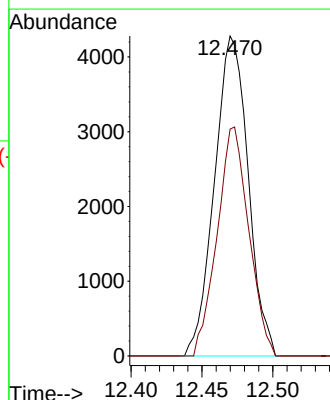
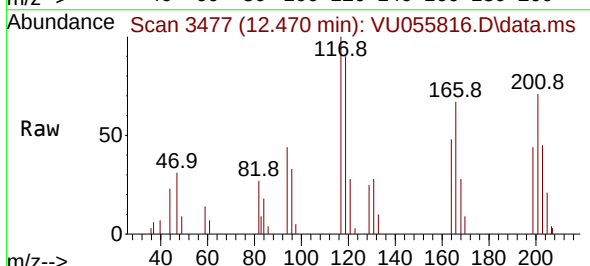
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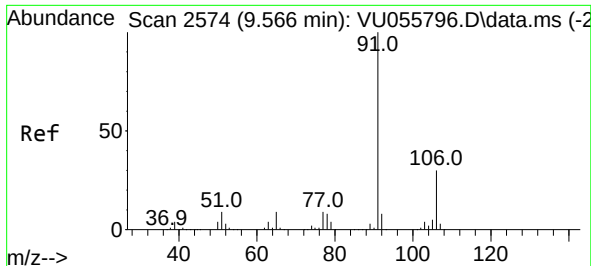
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#62
Hexachloroethane
Concen: 0.378 ug/l
RT: 12.470 min Scan# 3477
Delta R.T. -0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Tgt Ion:117 Resp: 7075
Ion Ratio Lower Upper
117 100
201 67.3 59.6 89.4





#63

Ethyl Benzene

Concen: 0.430 ug/l

RT: 9.570 min Scan# 2574

Delta R.T. 0.004 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 91 Resp: 53470

Ion Ratio Lower Upper

91 100

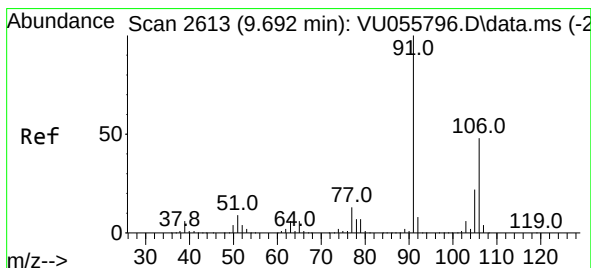
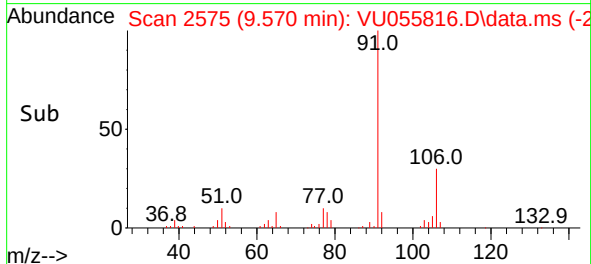
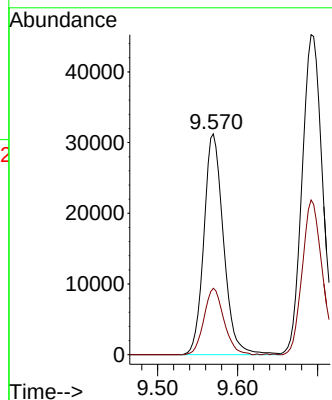
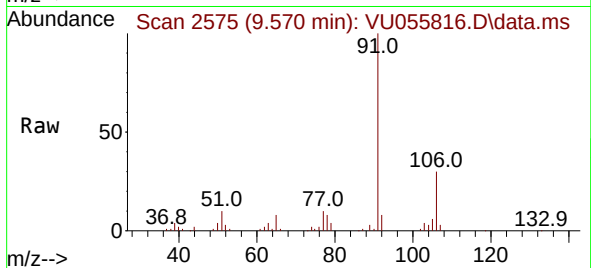
106 30.1 24.2 36.2

Manual Integrations

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Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#64

m/p-Xylenes

Concen: 0.814 ug/l

RT: 9.692 min Scan# 2613

Delta R.T. -0.000 min

Lab File: VU055816.D

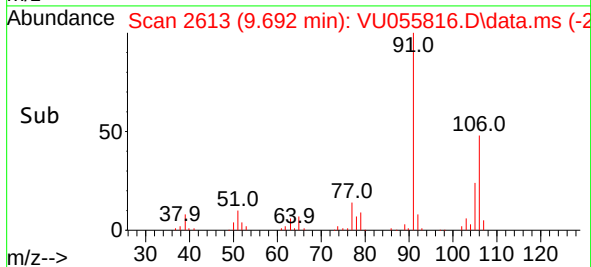
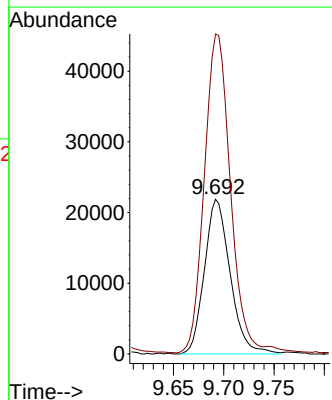
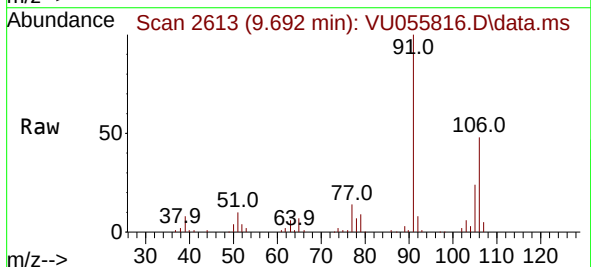
Acq: 19 Oct 2023 18:05

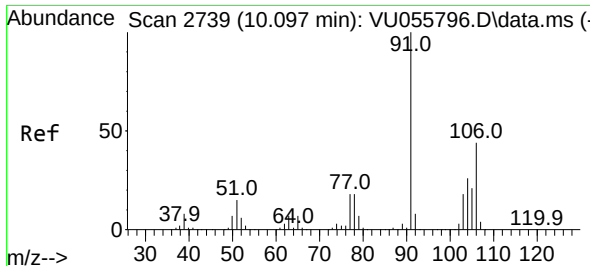
Tgt Ion:106 Resp: 38929

Ion Ratio Lower Upper

106 100

91 207.2 167.3 250.9





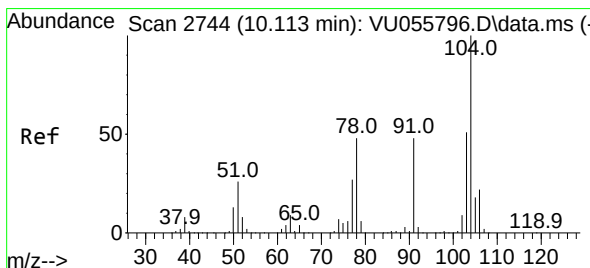
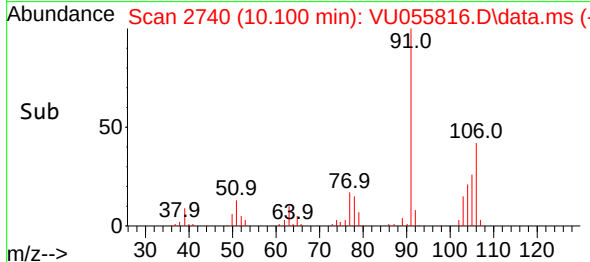
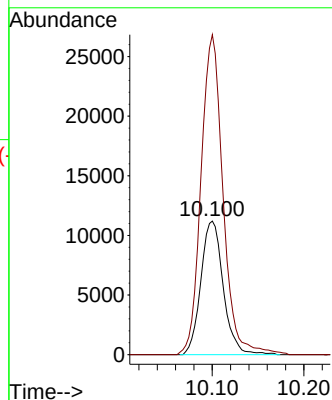
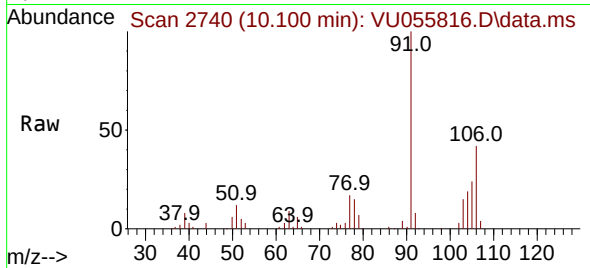
#65
o-Xylene
Concen: 0.406 ug/l
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2023

Tgt Ion:106 Resp: 19039
Ion Ratio Lower Upper
106 100
91 234.8 109.3 327.9

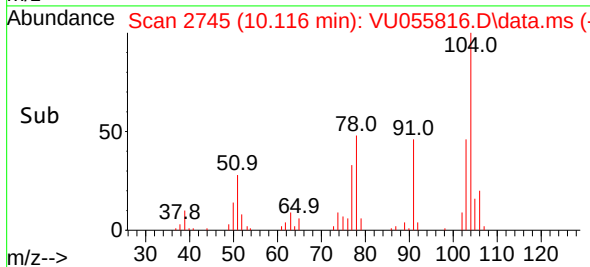
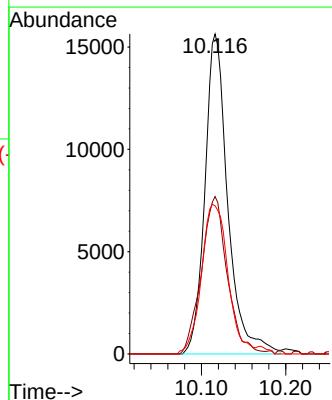
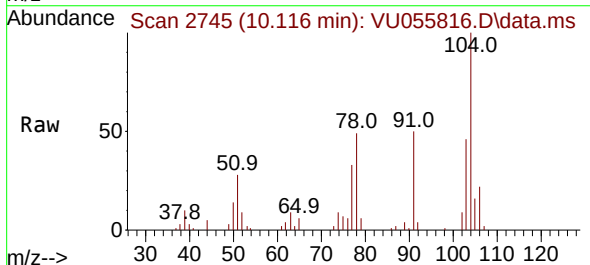
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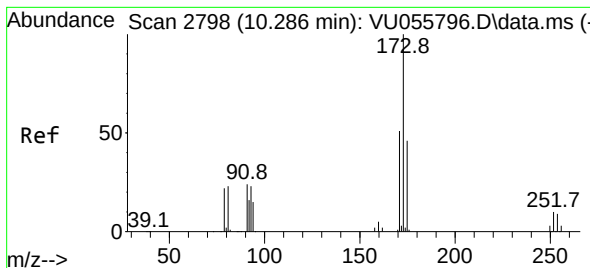
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#66
Styrene
Concen: 0.403 ug/l
RT: 10.116 min Scan# 2745
Delta R.T. 0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Tgt Ion:104 Resp: 29597
Ion Ratio Lower Upper
104 100
78 55.5 39.7 59.5
103 54.1 44.8 67.2





#67

Bromoform

Concen: 0.404 ug/l

RT: 10.290 min Scan# 21

Delta R.T. 0.004 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

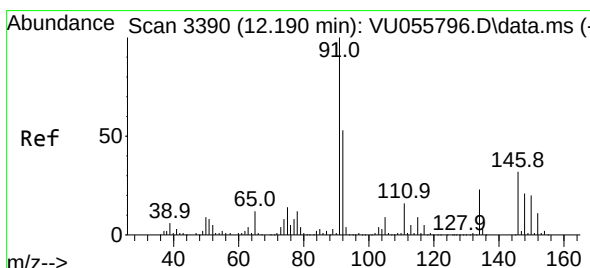
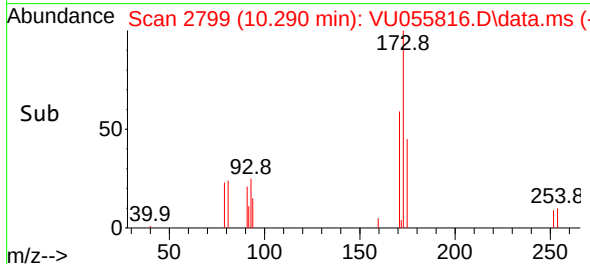
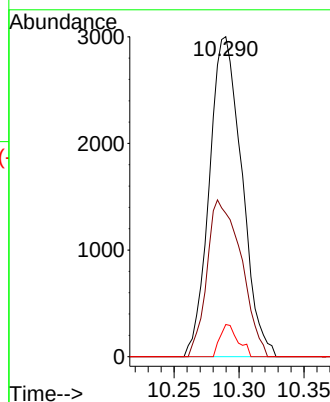
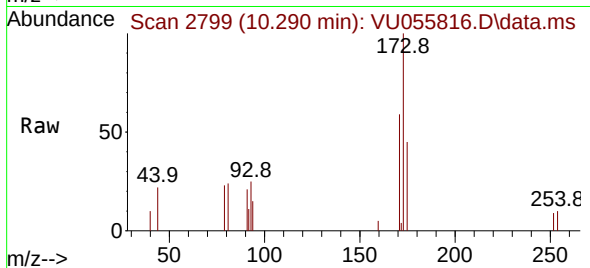
Tgt Ion:173	Resp:	5214
Ion Ratio	Lower	Upper
173	100	
175	51.7	39.0 58.6
254	5.5	7.4 11.0

Manual Integrations

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Supervised By :Mahesh Dadoda 10/25/2023



#68

1,2-Dichlorobenzene-d4

Concen: 0.917 ug/l

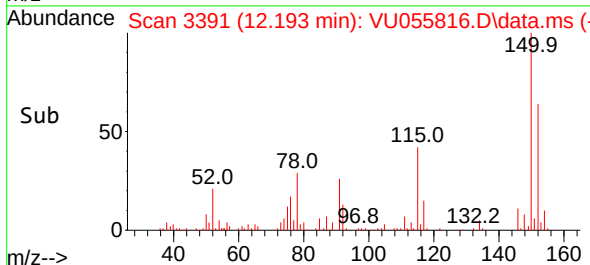
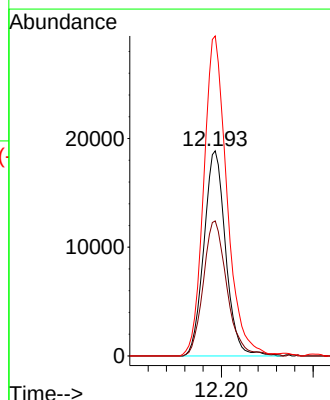
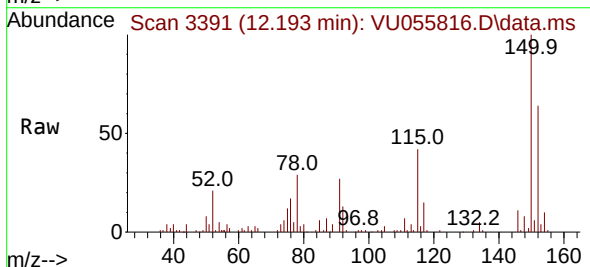
RT: 12.193 min Scan# 3391

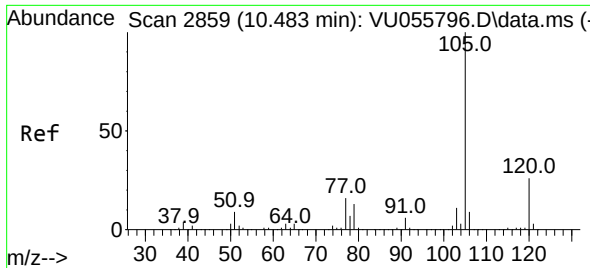
Delta R.T. 0.003 min

Lab File: VU055816.D

Acq: 19 Oct 2023 18:05

Tgt Ion:152	Resp:	31000
Ion Ratio	Lower	Upper
152	100	
115	71.7	0.0 308.8
150	166.5	0.0 635.0





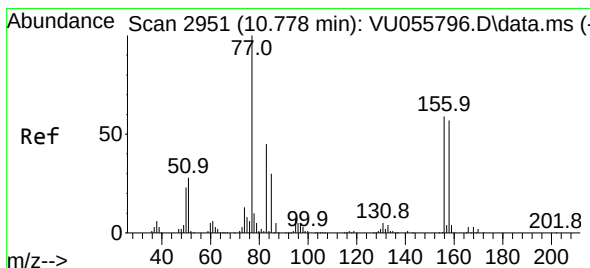
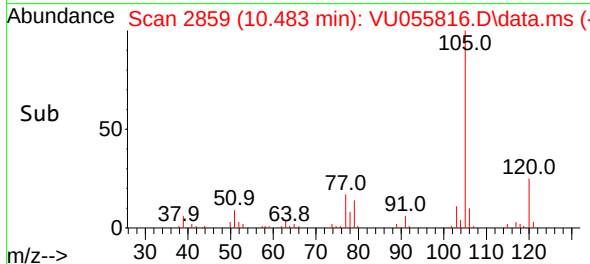
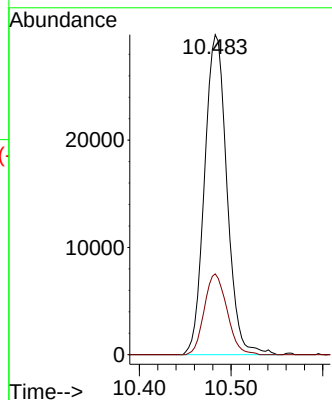
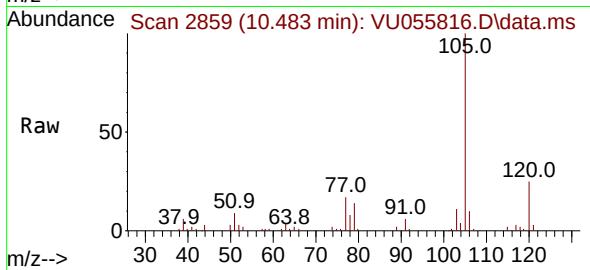
#69
Isopropylbenzene
Concen: 0.419 ug/l
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:105 Resp: 50610
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.4

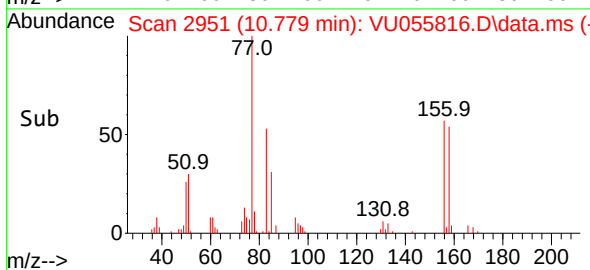
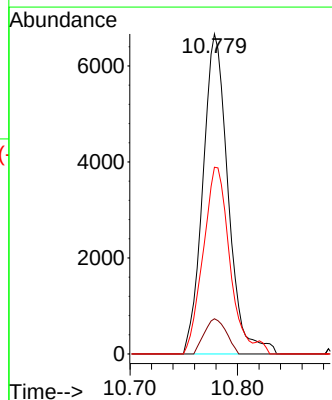
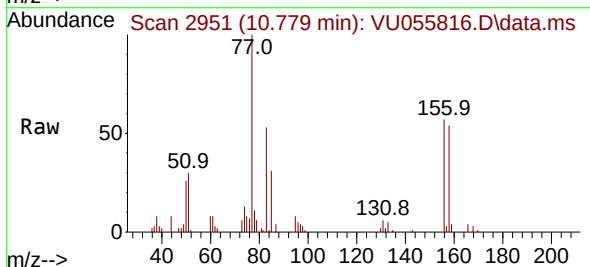
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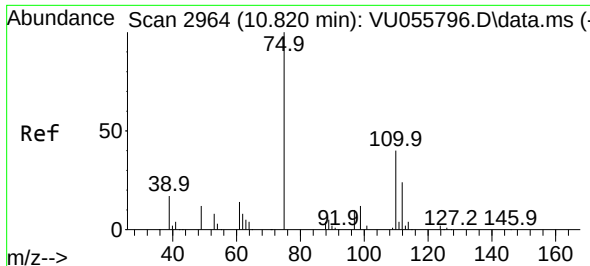
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#70
1,1,2,2-Tetrachloroethane
Concen: 0.467 ug/l
RT: 10.779 min Scan# 2951
Delta R.T. 0.001 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

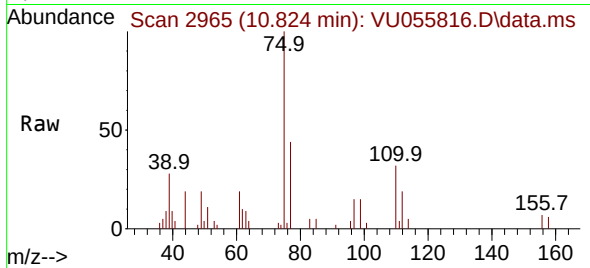
Tgt Ion: 83 Resp: 10862
Ion Ratio Lower Upper
83 100
131 9.6 7.2 10.8
85 60.6 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 0.402 ug/l m
RT: 10.824 min Scan# 2964
Delta R.T. 0.004 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

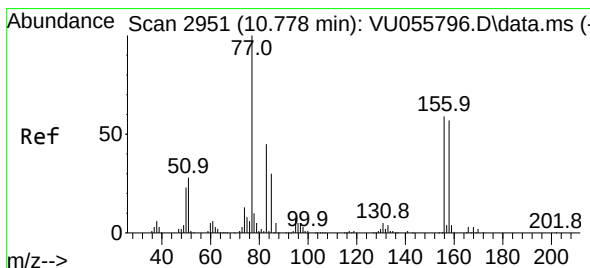
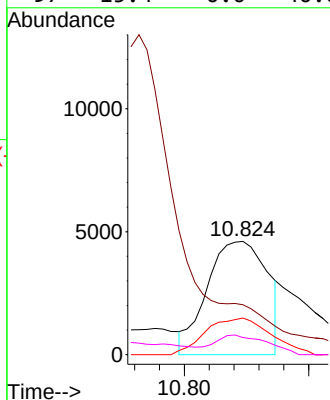
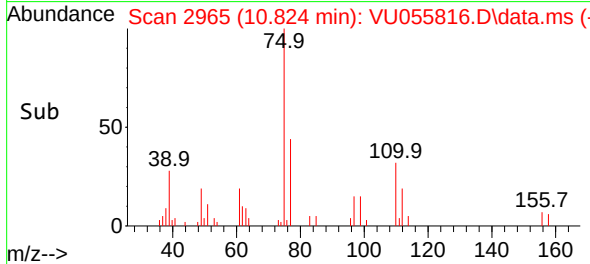
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 75 Resp: 7759
Ion Ratio Lower Upper
75 100
77 0.0 0.0 116.4
110 35.0 0.0 74.6
97 15.4 0.0 40.0

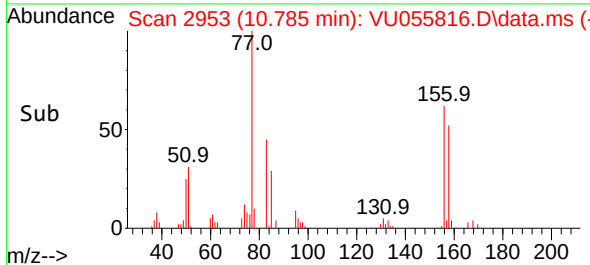
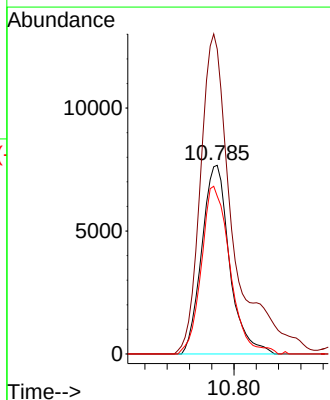
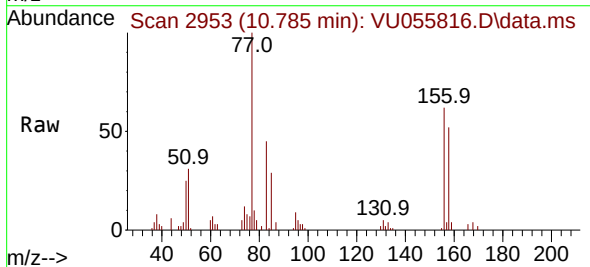
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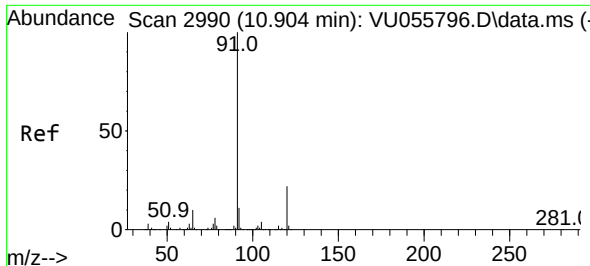
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#72
Bromobenzene
Concen: 0.460 ug/l
RT: 10.785 min Scan# 2953
Delta R.T. 0.007 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Tgt Ion:156 Resp: 13266
Ion Ratio Lower Upper
156 100
77 198.9 0.0 343.0
158 91.7 0.0 194.8





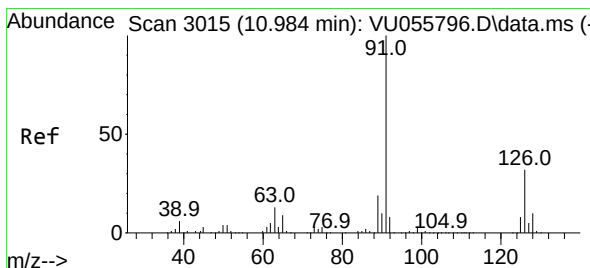
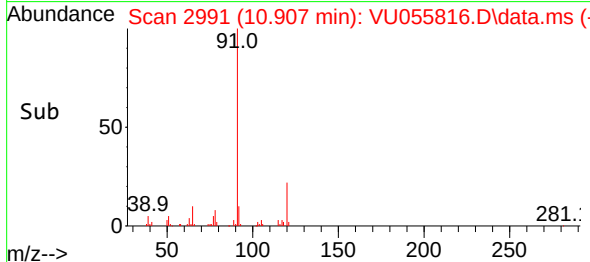
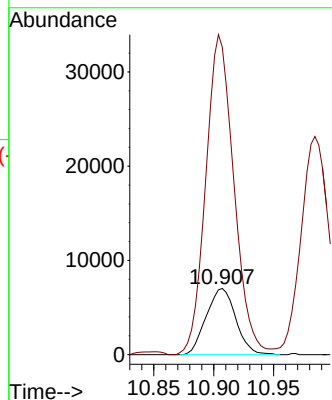
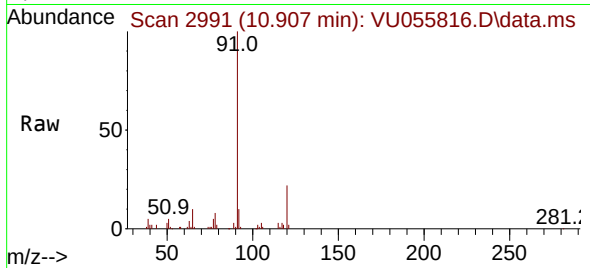
#73
n-propylbenzene
Concen: 0.387 ug/l
RT: 10.907 min Scan# 2990
Delta R.T. 0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:120 Resp: 12038
Ion Ratio Lower Upper
120 100
91 460.0 369.8 554.6

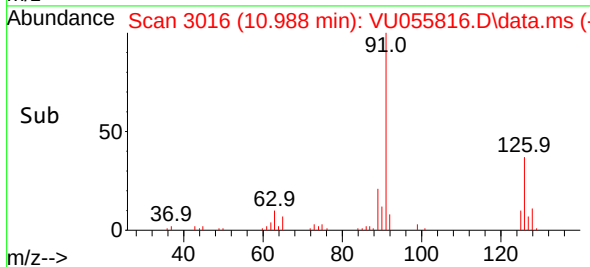
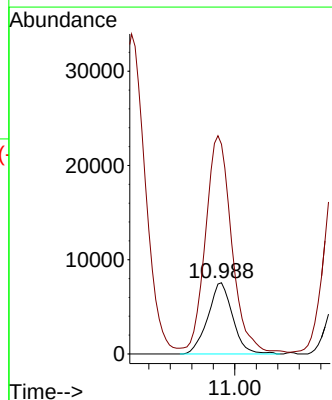
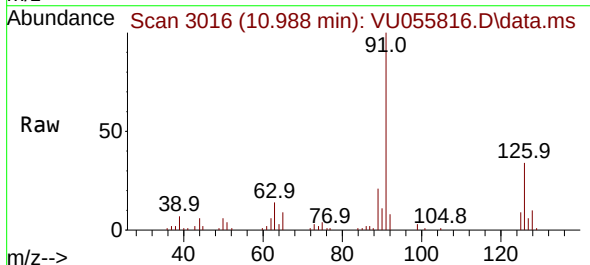
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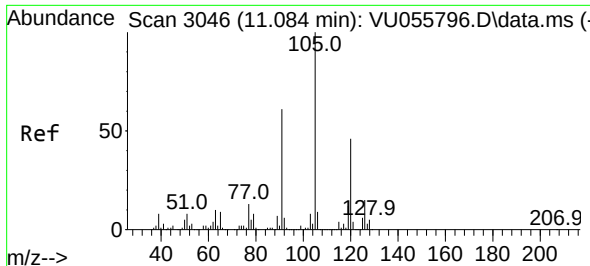
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#74
2-Chlorotoluene
Concen: 0.416 ug/l
RT: 10.988 min Scan# 3016
Delta R.T. 0.004 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

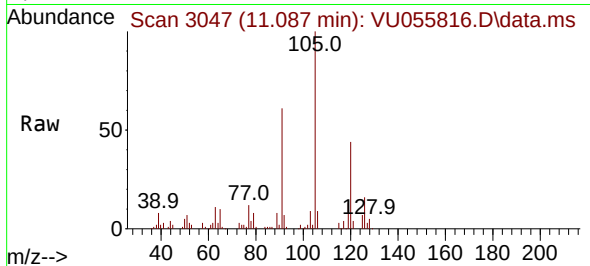
Tgt Ion:126 Resp: 12066
Ion Ratio Lower Upper
126 100
91 325.1 0.0 610.0





#75
1,3,5-Trimethylbenzene
Concen: 0.402 ug/l
RT: 11.087 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

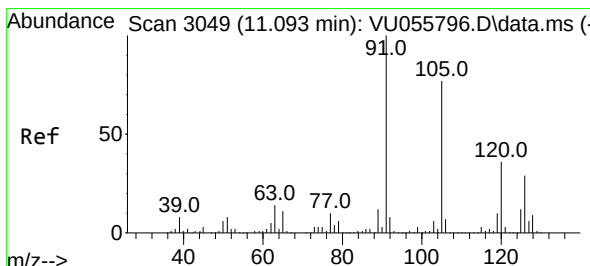
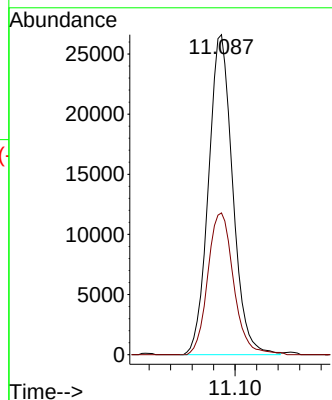
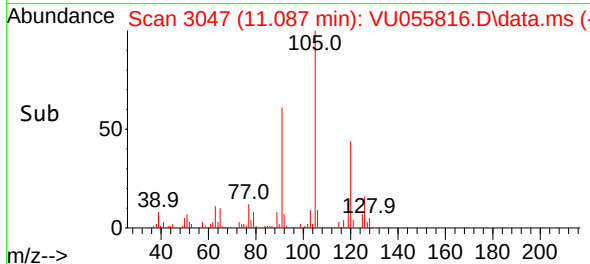
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



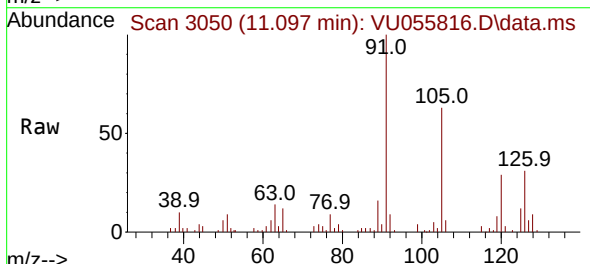
Tgt Ion:105 Resp: 41584
Ion Ratio Lower Upper
105 100
120 47.3 37.8 56.8

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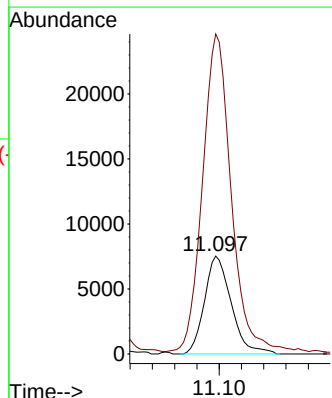
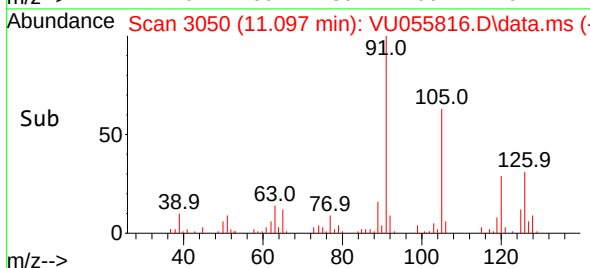
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

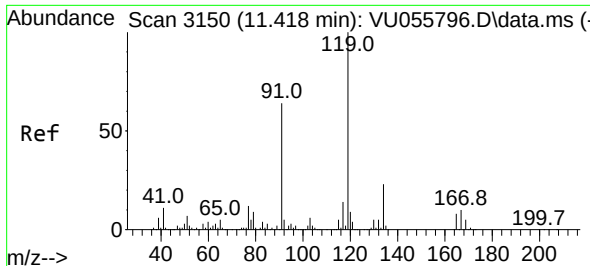


#76
4-Chlorotoluene
Concen: 0.424 ug/l
RT: 11.097 min Scan# 3050
Delta R.T. 0.004 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05



Tgt Ion:126 Resp: 12515
Ion Ratio Lower Upper
126 100
91 348.5 0.0 686.2





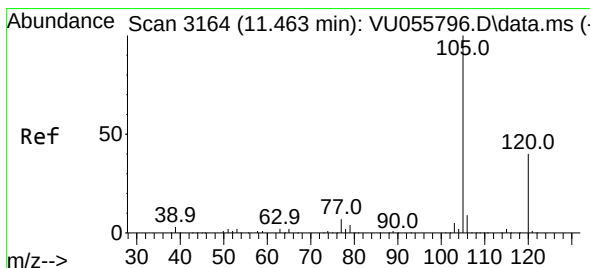
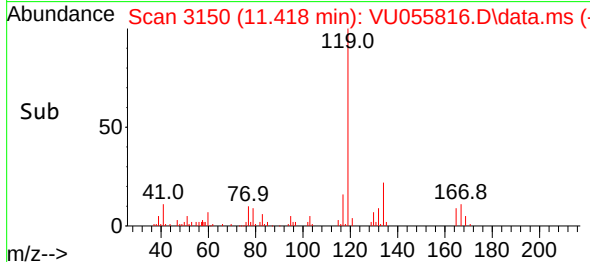
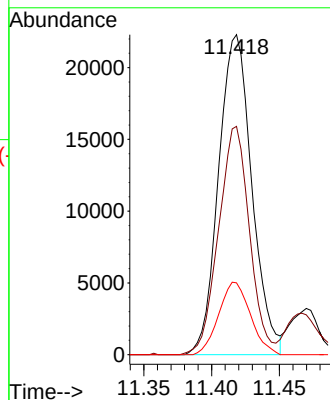
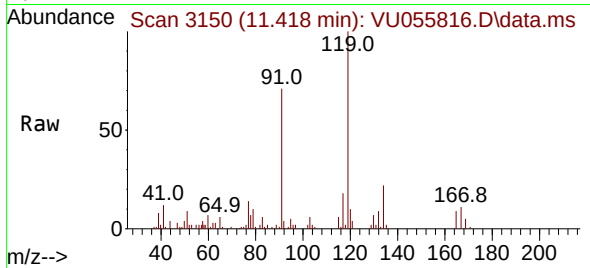
#77
tert-Butylbenzene
Concen: 0.402 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.3	30.8	92.4
134	21.5	18.0	27.0

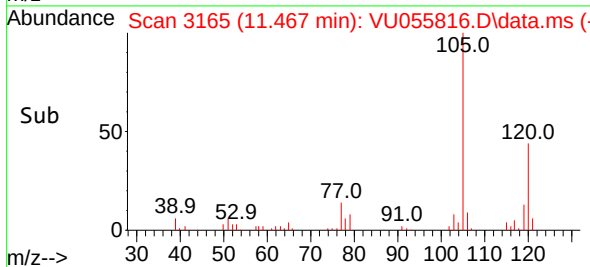
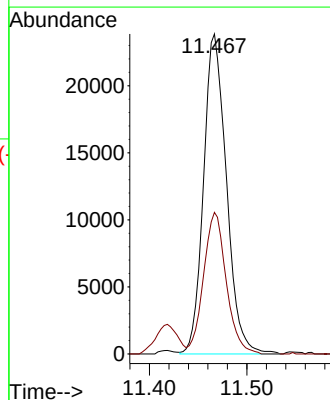
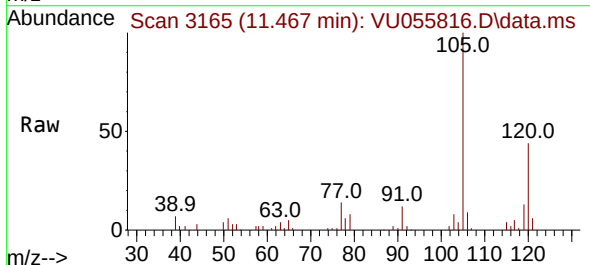
Manual Integrations
APPROVED

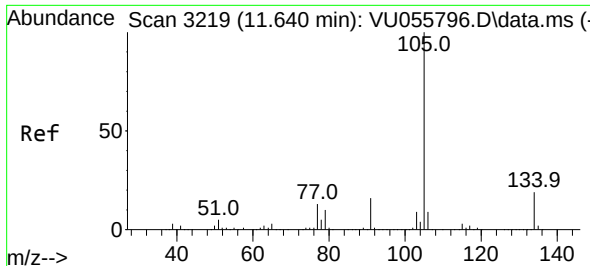
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#78
1,2,4-Trimethylbenzene
Concen: 0.381 ug/l
RT: 11.467 min Scan# 3165
Delta R.T. 0.004 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

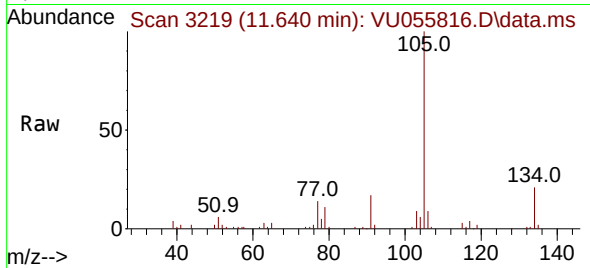
Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.8





#79
 sec-Butylbenzene
 Concen: 0.402 ug/l
 RT: 11.640 min Scan# 3219
 Delta R.T. 0.000 min
 Lab File: VU055816.D
 Acq: 19 Oct 2023 18:05

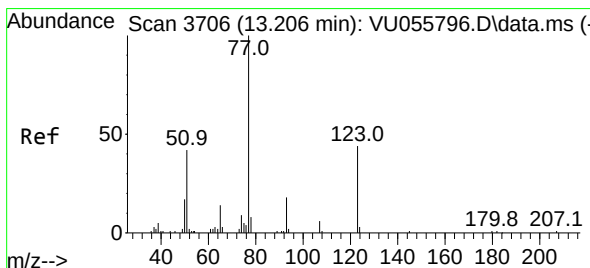
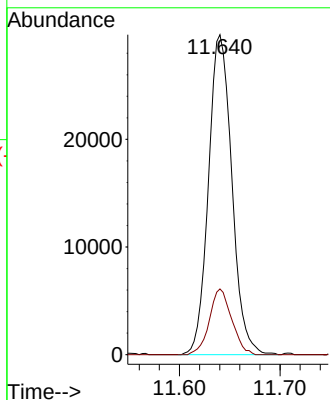
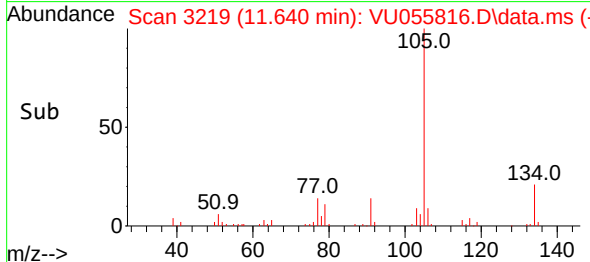
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2023



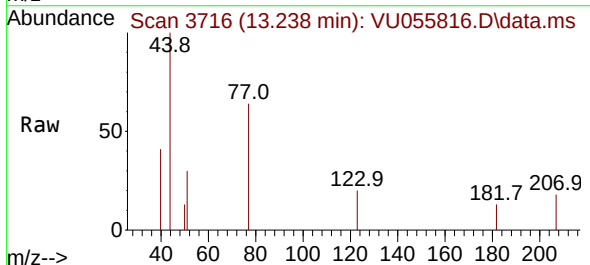
Tgt Ion:105 Resp: 48100
 Ion Ratio Lower Upper
 105 100
 134 19.6 14.9 22.3

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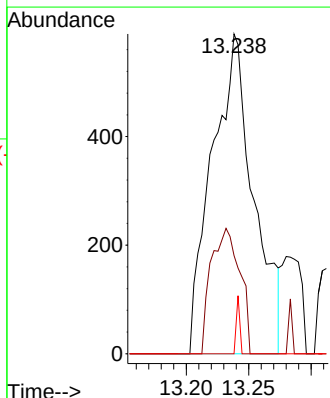
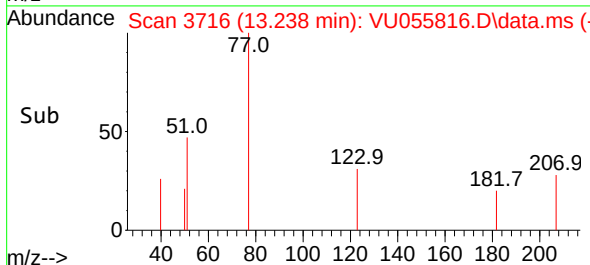
Reviewed By :John Carlone 10/20/2023
 Supervised By :Mahesh Dadoda 10/25/2023

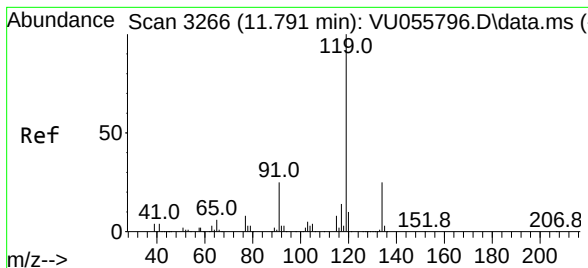


#80
 Nitrobenzene
 Concen: 2.210 ug/l m
 RT: 13.238 min Scan# 3716
 Delta R.T. 0.032 min
 Lab File: VU055816.D
 Acq: 19 Oct 2023 18:05



Tgt Ion: 77 Resp: 1360
 Ion Ratio Lower Upper
 77 100
 123 27.1 19.7 69.7
 65 1.5 11.5 14.7#





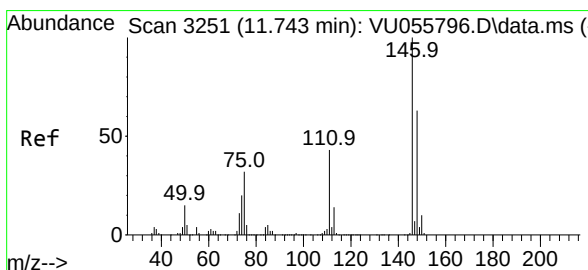
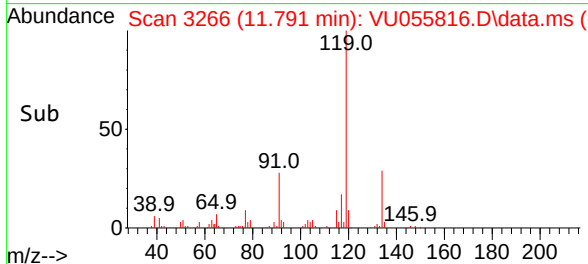
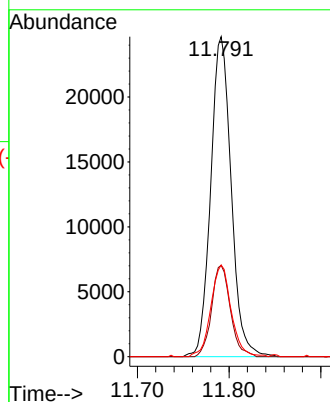
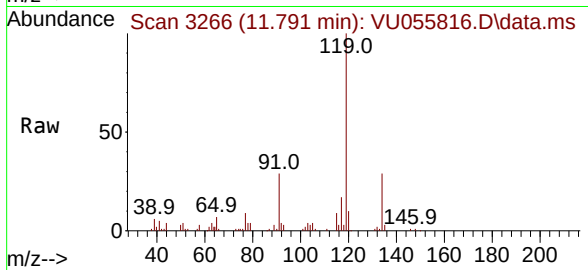
#81
p-Isopropyltoluene
Concen: 0.398 ug/l
RT: 11.791 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:119 Resp: 3827
Ion Ratio Lower Upper
119 100
134 26.1 20.2 30.4
91 28.4 19.3 28.9

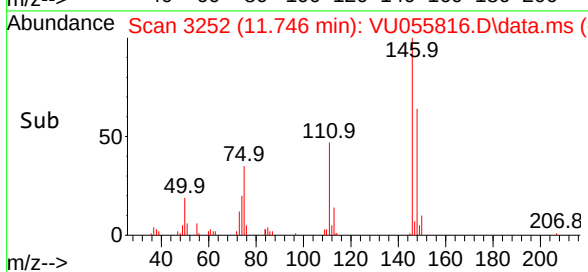
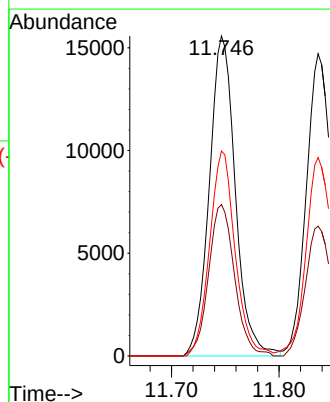
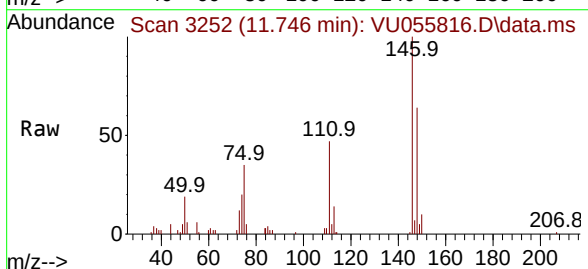
Manual Integrations
APPROVED

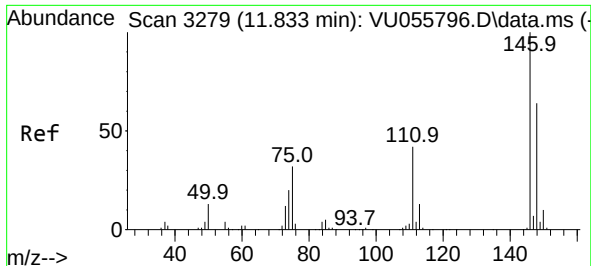
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#82
1,3-Dichlorobenzene
Concen: 0.444 ug/l
RT: 11.746 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

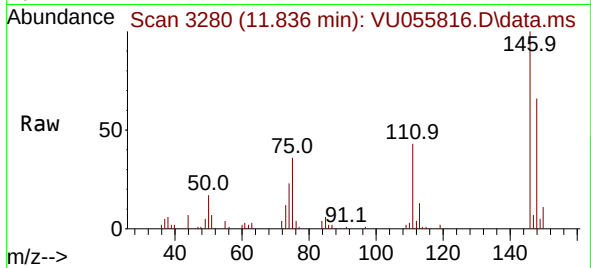
Tgt Ion:146 Resp: 26155
Ion Ratio Lower Upper
146 100
111 47.3 32.6 49.0
148 62.9 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 0.442 ug/l
RT: 11.836 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

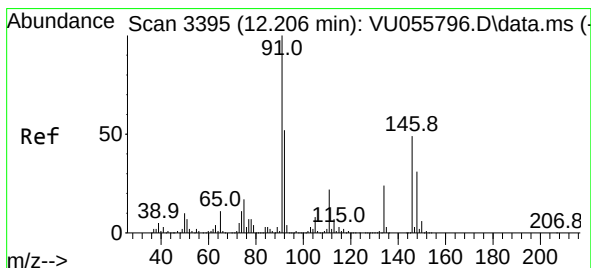
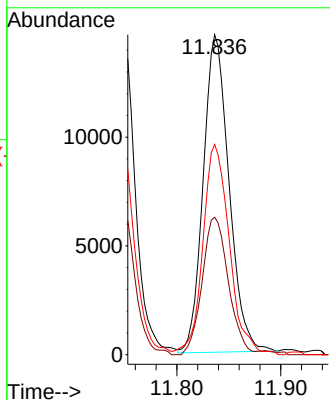
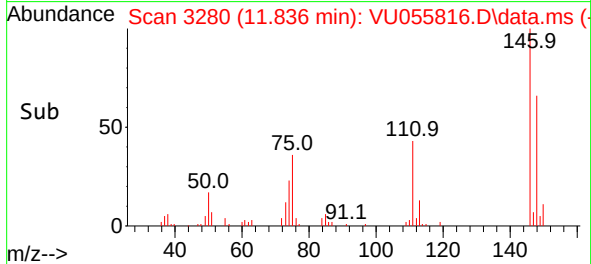
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



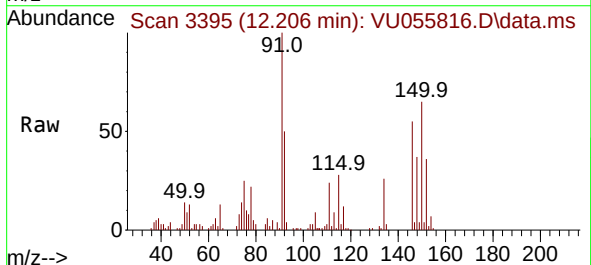
Tgt Ion:146 Resp: 2516
Ion Ratio Lower Upper
146 100
111 43.9 31.6 47.4
148 65.5 50.3 75.5

Manual Integrations
APPROVED

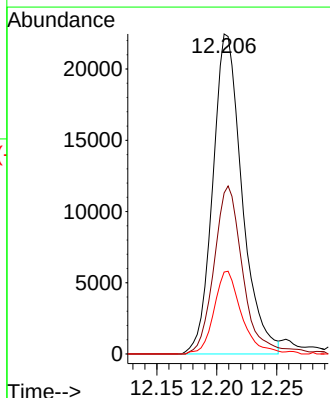
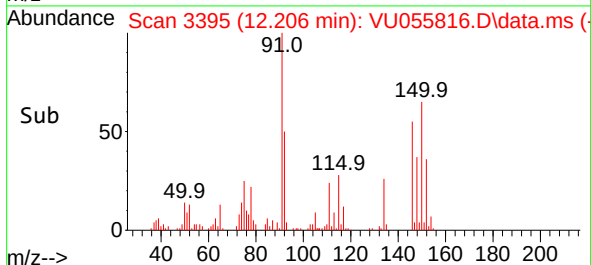
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

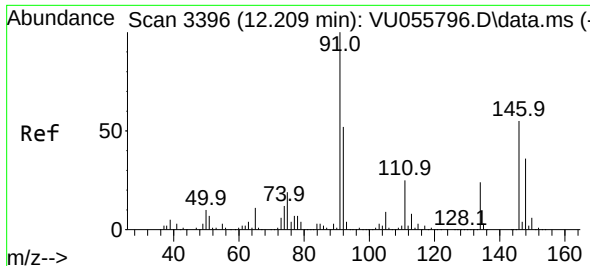


#84
n-Butylbenzene
Concen: 0.465 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05



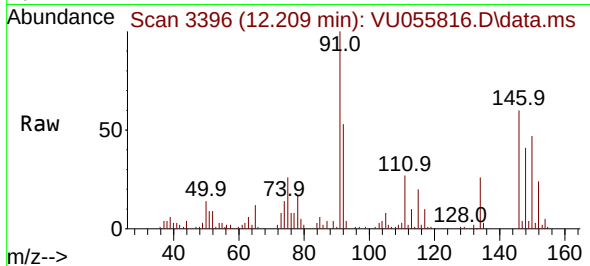
Tgt Ion: 91 Resp: 38134
Ion Ratio Lower Upper
91 100
92 51.9 40.8 61.2
134 24.2 18.4 27.6





#85
1,2-Dichlorobenzene
Concen: 0.441 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

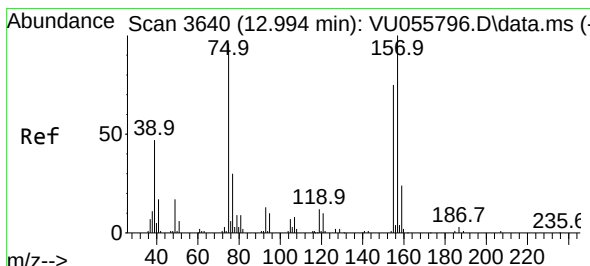
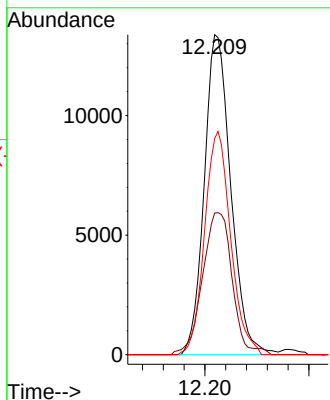
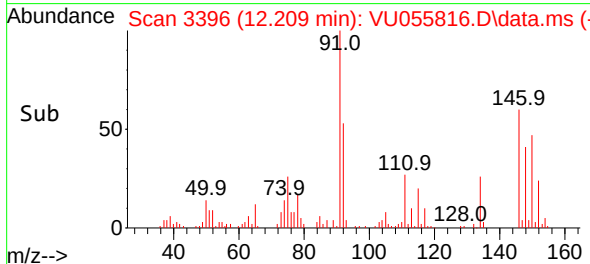
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2023



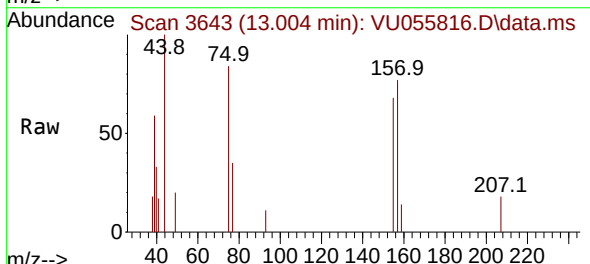
Tgt Ion:146 Resp: 23714
Ion Ratio Lower Upper
146 100
111 49.4 21.6 64.6
148 68.6 32.1 96.5

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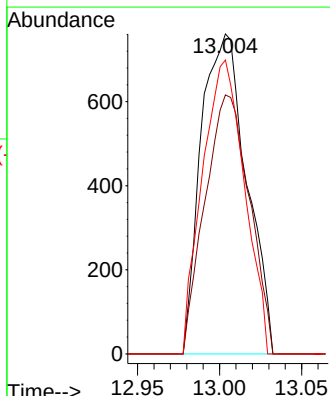
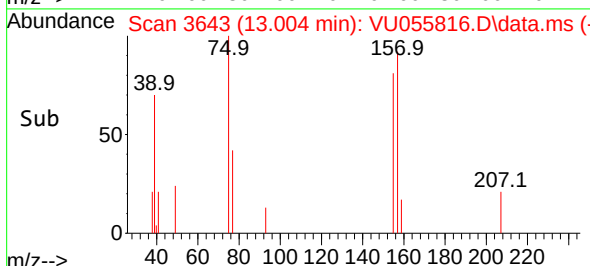
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

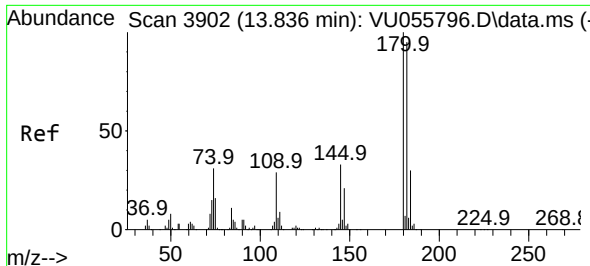


#86
1,2-Dibromo-3-Chloropropane
Concen: 0.441 ug/l
RT: 13.004 min Scan# 3643
Delta R.T. 0.010 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05



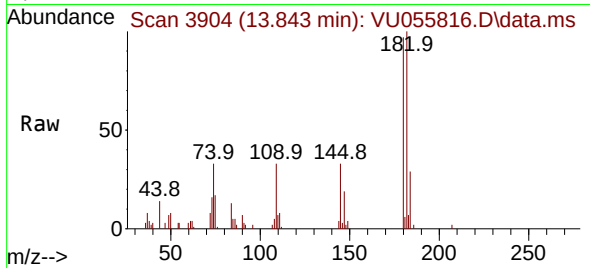
Tgt Ion: 75 Resp: 1463
Ion Ratio Lower Upper
75 100
155 79.1 61.8 92.8
157 85.0 80.2 120.4





#87
1,2,4-Trichlorobenzene
Concen: 0.485 ug/l
RT: 13.843 min Scan# 3904
Delta R.T. 0.007 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

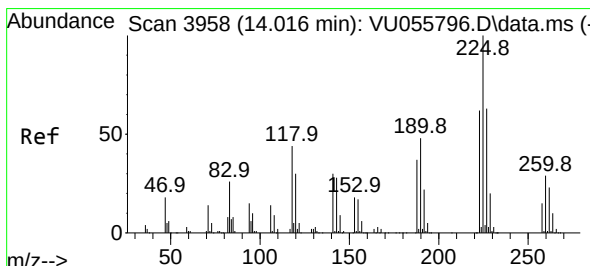
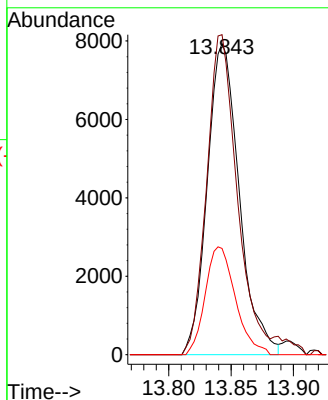
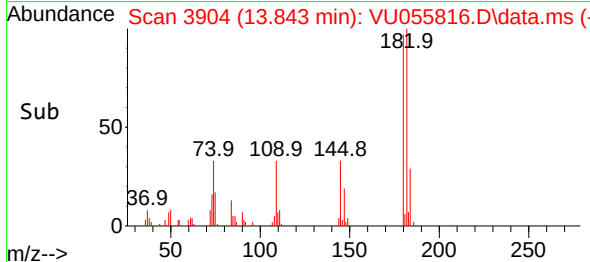
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



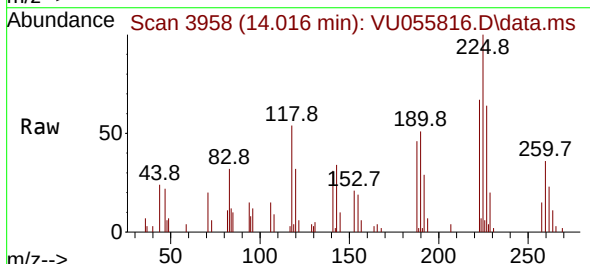
Tgt Ion:180 Resp: 1415
Ion Ratio Lower Upper
180 100
182 101.4 75.8 113.6
145 32.7 23.9 35.9

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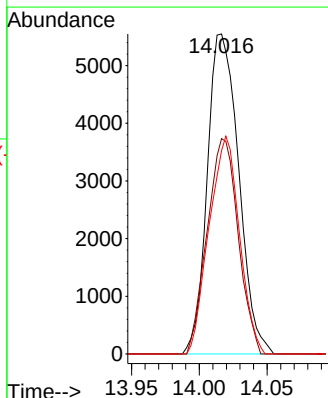
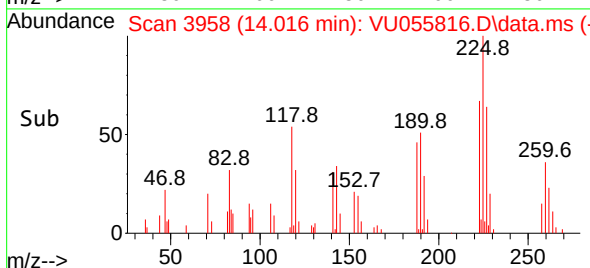
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

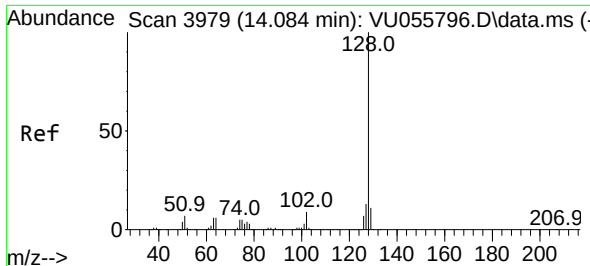


#88
Hexachlorobutadiene
Concen: 0.440 ug/l
RT: 14.016 min Scan# 3958
Delta R.T. 0.000 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05



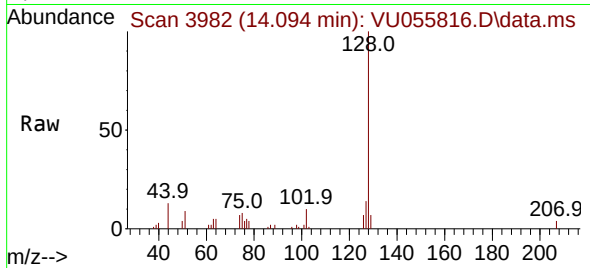
Tgt Ion:225 Resp: 8931
Ion Ratio Lower Upper
225 100
223 66.4 50.2 75.4
227 65.6 51.5 77.3





#89
Naphthalene
Concen: 0.507 ug/l
RT: 14.094 min Scan# 3979
Delta R.T. 0.010 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05

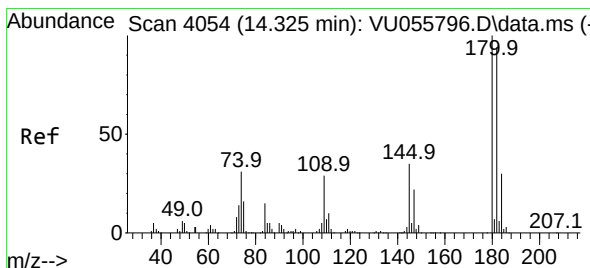
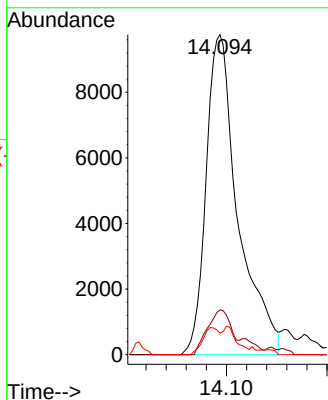
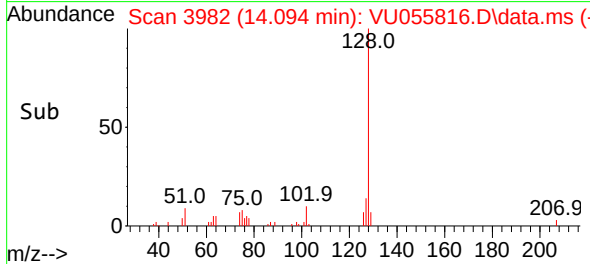
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



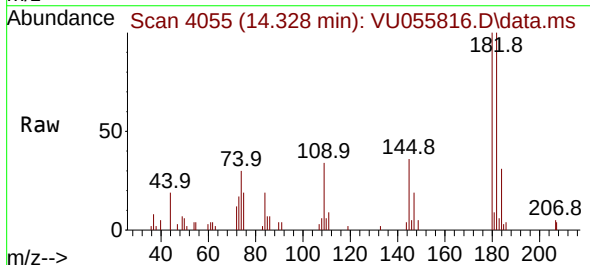
Tgt Ion:128 Resp: 21504
Ion Ratio Lower Upper
128 100
127 10.6 10.9 16.3
129 4.4 8.6 12.8

Manual Integrations
APPROVED

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



#90
1,2,3-Trichlorobenzene
Concen: 0.476 ug/l
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU055816.D
Acq: 19 Oct 2023 18:05



Tgt Ion:180 Resp: 11926
Ion Ratio Lower Upper
180 100
182 101.5 75.7 113.5
145 35.5 26.1 39.1

