

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020624\
 Data File : VU057817.D
 Acq On : 06 Feb 2024 12:36
 Operator : MD/SY
 Sample : P1187-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2024

Quant Time: Feb 07 03:54:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U020524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Feb 07 03:54:13 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/14/2024
 Supervised By : Mahesh Dadoda 02/14/2024

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

Internal Standards						
1) Fluorobenzene	6.107	96	45271	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	15136	0.911	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	13043	0.888	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	7598	0.513	ug/l	93
3) Chloromethane	1.518	50	8505	0.598	ug/l	97
4) Vinyl Chloride	1.599	62	8239	0.561	ug/l	94
5) Bromomethane	1.856	94	4694	0.530	ug/l	99
6) Chloroethane	1.927	64	4880	0.517	ug/l	99
7) Trichlorofluoromethane	2.123	101	10988	0.494	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.563	101	6064	0.546	ug/l	98
9) 1,1-Dichloroethene	2.563	96	5702	0.523	ug/l	96
10) Iodomethane	2.708	142	8617	0.492	ug/l	86
11) Allyl Chloride	2.911	41	8440	0.508	ug/l	# 77
12) Acrylonitrile	3.312	53	2818	1.225	ug/l	# 90
13) Acetone	2.637	43	13773	3.058	ug/l	88
14) Carbon Disulfide	2.779	76	18773	0.539	ug/l	98
15) Methylene Chloride	3.033	84	14214	1.016	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	6572	0.556	ug/l	94
17) 1,1-Dichloroethane	3.853	63	13235	0.557	ug/l	96
18) 2-Butanone	4.724	43	13326	2.951	ug/l	100
19) Cyclohexane	5.370	56	10444	0.559	ug/l	96
20) Methylcyclohexane	6.753	83	11077	0.513	ug/l	97
21) 2,2-Dichloropropane	4.650	77	11846	0.554	ug/l	97
22) cis-1,2-Dichloroethene	4.656	96	7373	0.566	ug/l	92
23) Diethyl Ether	2.364	59	6105	0.726	ug/l	97
24) tert-Butyl Alcohol	3.248	59	1618	2.652	ug/l	# 1
25) Methyl tert-Butyl Ether	3.357	73	15492	0.558	ug/l	96
26) Bromochloromethane	4.965	128	2585	0.510	ug/l	79
27) Chloroform	5.078	83	13024	0.549	ug/l	92
28) 1,1,1-Trichloroethane	5.300	97	11105	0.517	ug/l	96
29) 1,1-Dichloropropene	5.515	75	9600	0.544	ug/l	97
30) Carbon Tetrachloride	5.512	117	10111	0.550	ug/l	# 90
31) Isopropyl Ether	3.991	45	20210	0.554	ug/l	97
32) Ethyl-t-butyl ether	4.499	59	19479	0.543	ug/l	95
33) Tert-Amyl methyl ether	5.943	73	16358	0.545	ug/l	98
34) Propionitrile	4.798	54	2470	2.931	ug/l	# 22
35) Benzene	5.763	78	27473	0.544	ug/l	98
36) 1,2-Dichloroethane	5.791	62	8428	0.571	ug/l	# 83
37) Trichloroethene	6.537	130	6860	0.527	ug/l	98
38) 1,2-Dichloropropane	6.785	63	6916	0.518	ug/l	98
39) Methacrylonitrile	4.981	41	1856	0.505	ug/l	# 88
40) Methyl acrylate	4.849	55	3485	0.570	ug/l	# 92
41) Tetrahydrofuran	5.062	42	3058	1.671	ug/l	# 72
42) 1-Chlorobutane	5.444	56	12598	0.538	ug/l	94
43) Dibromomethane	6.917	93	3205	0.522	ug/l	94
44) Bromodichloromethane	7.103	83	8604	0.516	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	18934	2.761	ug/l	97
46) t-1,4-Dichloro-2-butene	10.839	75	2343m	1.274	ug/l	
47) Methyl methacrylate	6.968	69	5374	0.956	ug/l	85
48) Ethyl methacrylate	8.335	69	5634	0.499	ug/l	96
49) Toluene	7.965	92	15484	0.507	ug/l	100
50) t-1,3-Dichloropropene	8.209	75	7129	0.470	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	9236	0.488	ug/l	92
52) 1,1,2-Trichloroethane	8.396	97	4425	0.524	ug/l	91
53) 1,3-Dichloropropane	8.573	76	8256	0.539	ug/l	99
54) 2-Hexanone	8.692	43	17683	2.663	ug/l	90
55) Dibromochloromethane	8.804	129	4789	0.475	ug/l	92
56) 1,2-Dibromoethane	8.920	107	4165	0.527	ug/l	95
58) Tetrachloroethene	8.547	164	6375	0.565	ug/l	90
59) Chlorobenzene	9.444	112	16831	0.501	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.528	131	5789	0.503	ug/l	93
61) Pentachloroethane	11.425	117	4211	0.496	ug/l	97
62) Hexachloroethane	12.470	117	4660	0.474	ug/l	92
63) Ethyl Benzene	9.566	91	31595	0.523	ug/l	100
64) m/p-Xylenes	9.688	106	23681	1.069	ug/l	99
65) o-Xylene	10.097	106	11167	0.508	ug/l	93
66) Styrene	10.113	104	16455	0.484	ug/l	93
67) Bromoform	10.290	173	2482	0.489	ug/l #	96
69) Isopropylbenzene	10.479	105	28419	0.487	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.782	83	5255	0.517	ug/l	94
71) 1,2,3-Trichloropropane	10.823	75	4482m	0.499	ug/l	
72) Bromobenzene	10.782	156	6176	0.494	ug/l	78
73) n-propylbenzene	10.901	120	8832	0.580	ug/l	97
74) 2-Chlorotoluene	10.984	126	6496	0.488	ug/l	93
75) 1,3,5-Trimethylbenzene	11.084	105	23983	0.486	ug/l	98
76) 4-Chlorotoluene	11.097	126	6772	0.505	ug/l	97
77) tert-Butylbenzene	11.415	119	23795	0.500	ug/l	99
78) 1,2,4-Trimethylbenzene	11.466	105	24645	0.494	ug/l	97
79) sec-Butylbenzene	11.640	105	30496	0.486	ug/l	99
80) Nitrobenzene	13.222	77	470	1.686	ug/l #	45
81) p-Isopropyltoluene	11.788	119	24151	0.468	ug/l	99
82) 1,3-Dichlorobenzene	11.746	146	12707	0.508	ug/l	99
83) 1,4-Dichlorobenzene	11.836	146	12751	0.515	ug/l	99
84) n-Butylbenzene	12.206	91	23047	0.468	ug/l	97
85) 1,2-Dichlorobenzene	12.212	146	11489	0.495	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.994	75	640	0.377	ug/l #	15
87) 1,2,4-Trichlorobenzene	13.839	180	6683	0.471	ug/l	91
88) Hexachlorobutadiene	14.016	225	4234	0.477	ug/l	99
89) Naphthalene	14.087	128	12009	0.484	ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	6548	0.538	ug/l	93

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

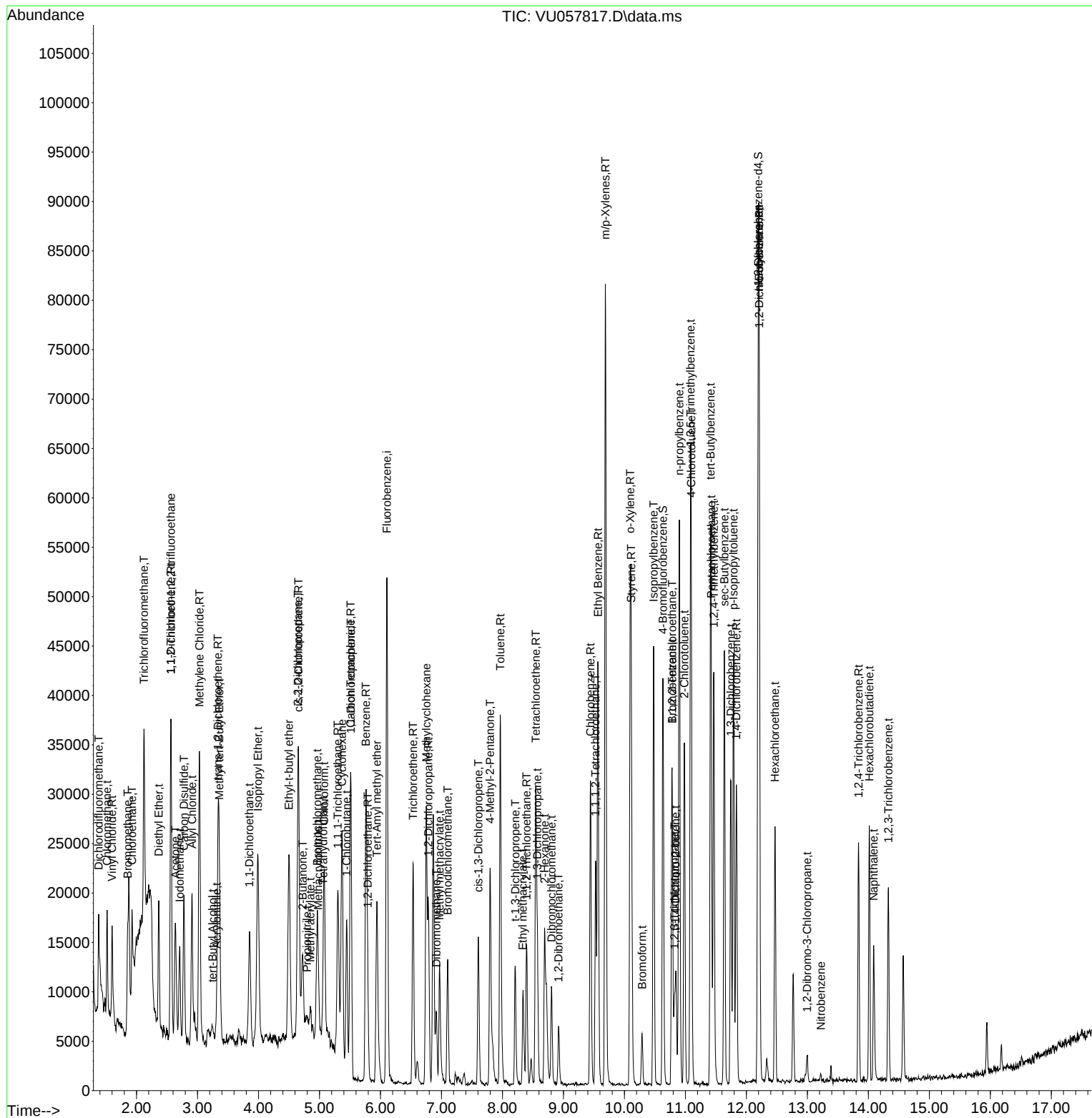
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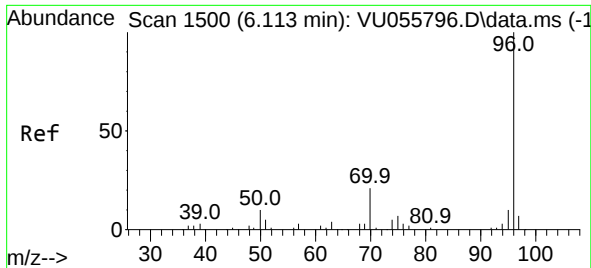
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MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024

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Manual Integrations
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Supervised By :Mahesh Dadoda 02/14/2024





#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.107 min Scan# 14
Delta R.T. 0.004 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

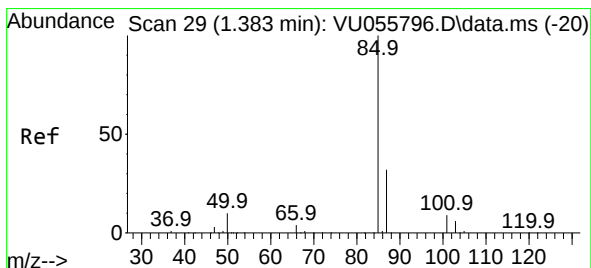
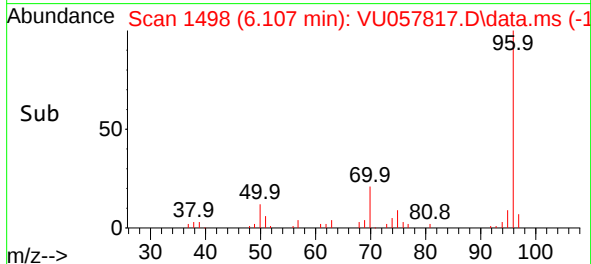
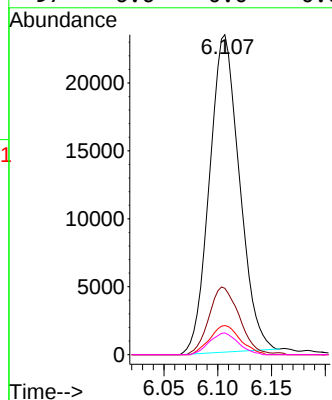
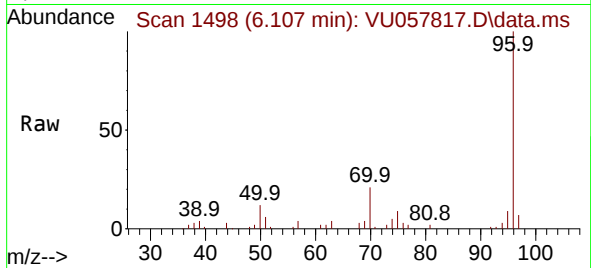
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024

Tgt Ion: 96 Resp: 4527

Ion	Ratio	Lower	Upper
96	100		
70	21.0	16.5	24.7
95	9.3	7.4	11.0
97	6.6	0.0	0.0

Manual Integrations
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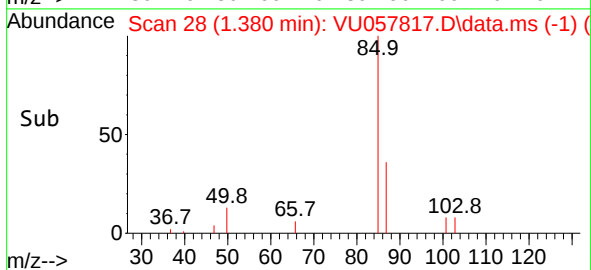
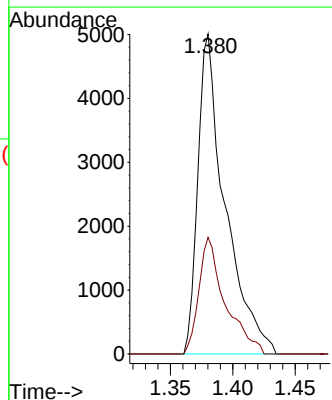
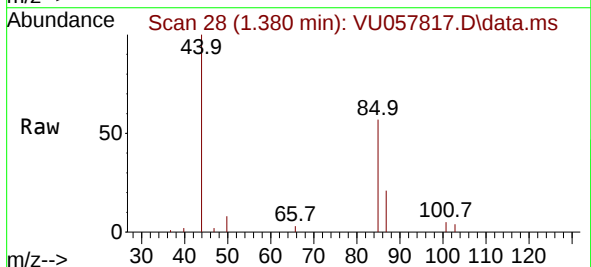
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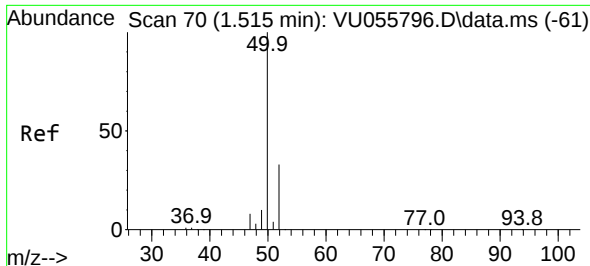


#2
Dichlorodifluoromethane
Concen: 0.513 ug/l
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Tgt Ion: 85 Resp: 7598

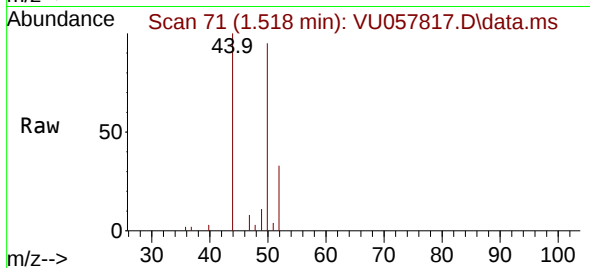
Ion	Ratio	Lower	Upper
85	100		
87	36.5	16.2	48.6





#3
Chloromethane
Concen: 0.598 ug/l
RT: 1.518 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

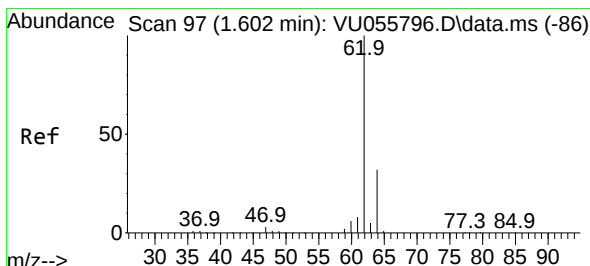
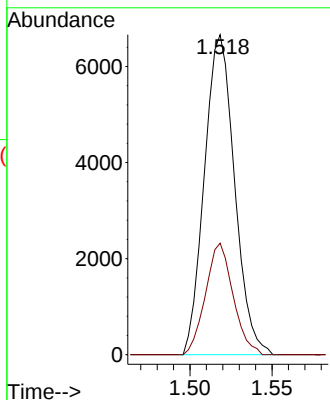
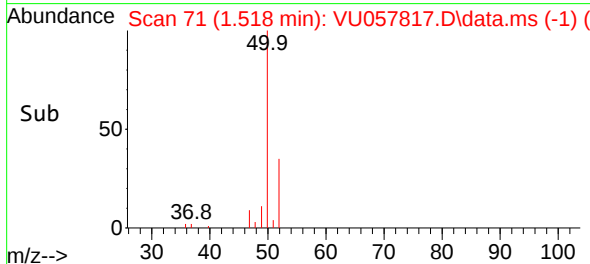
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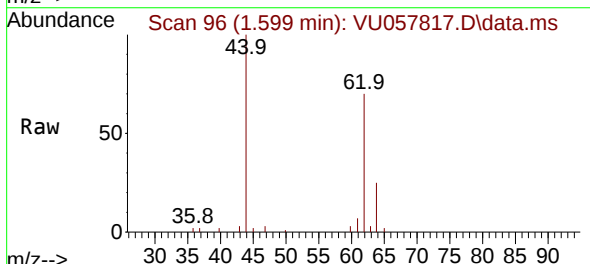
Tgt Ion: 50 Resp: 850
Ion Ratio Lower Upper
50 100
52 34.9 26.6 40.0

Manual Integrations
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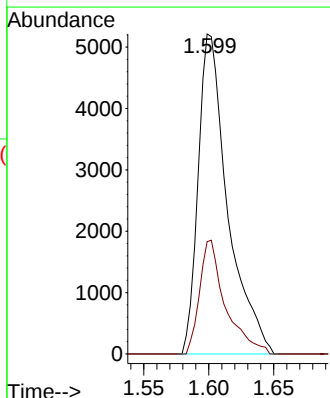
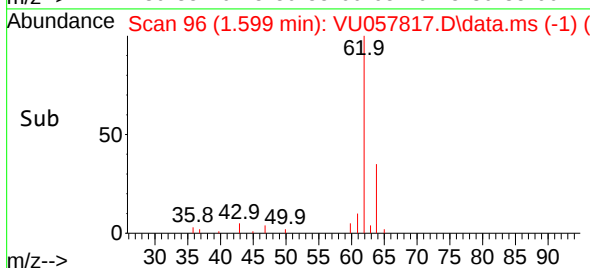
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

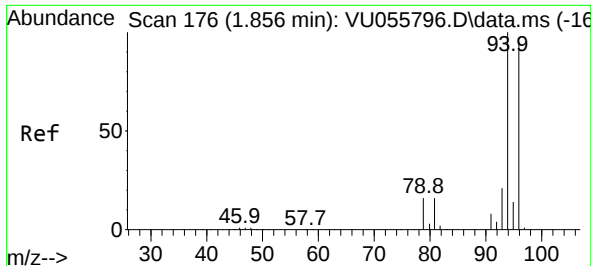


#4
Vinyl Chloride
Concen: 0.561 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36



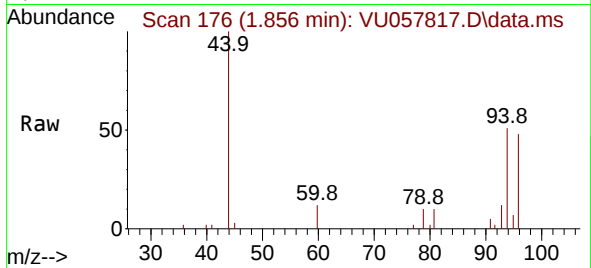
Tgt Ion: 62 Resp: 8239
Ion Ratio Lower Upper
62 100
64 35.1 25.4 38.2





#5
Bromomethane
Concen: 0.530 ug/l
RT: 1.856 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

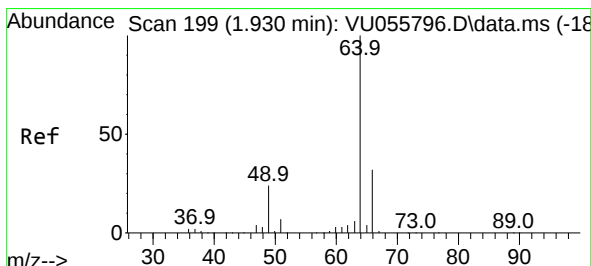
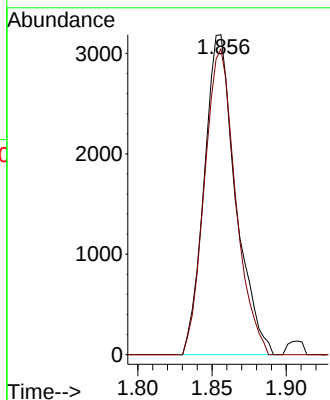
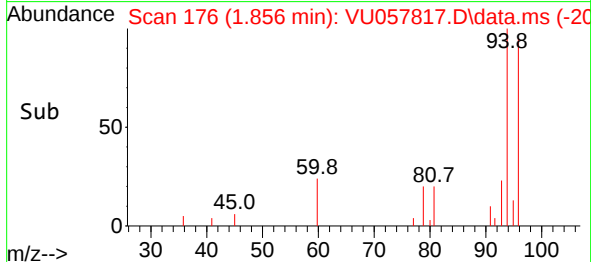
Instrument :
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ClientSampleId :
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Tgt Ion: 94 Resp: 4694
Ion Ratio Lower Upper
94 100
96 95.5 75.4 113.2

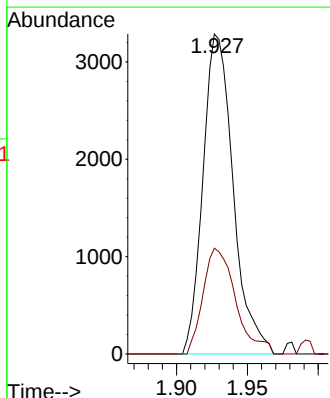
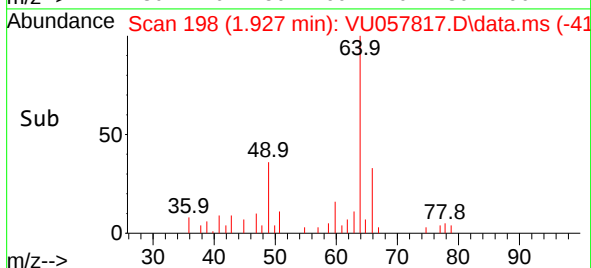
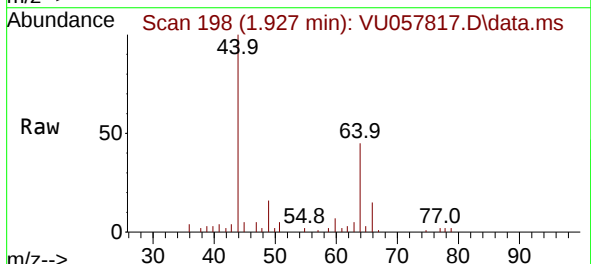
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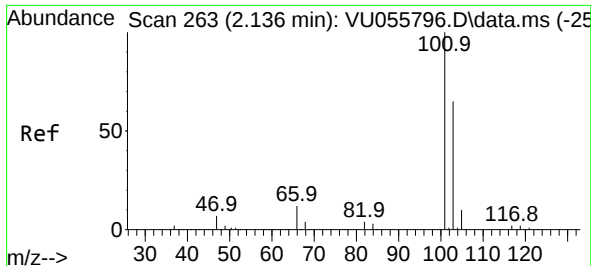
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#6
Chloroethane
Concen: 0.517 ug/l
RT: 1.927 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

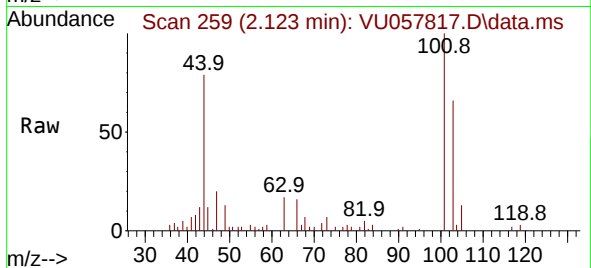
Tgt Ion: 64 Resp: 4880
Ion Ratio Lower Upper
64 100
66 33.1 26.0 39.0





#7
Trichlorofluoromethane
Concen: 0.494 ug/l
RT: 2.123 min Scan# 210
Delta R.T. 0.007 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

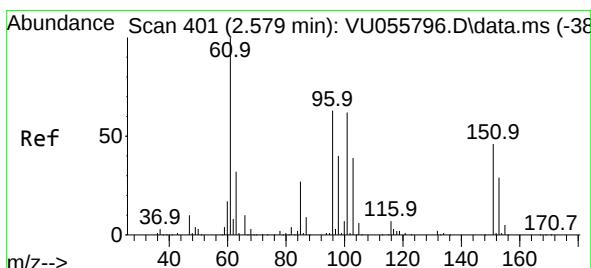
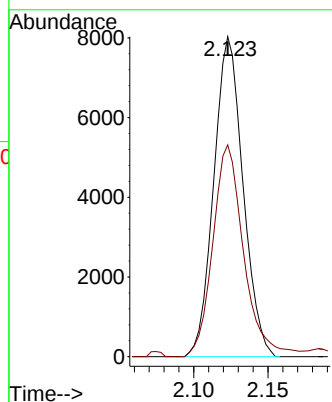
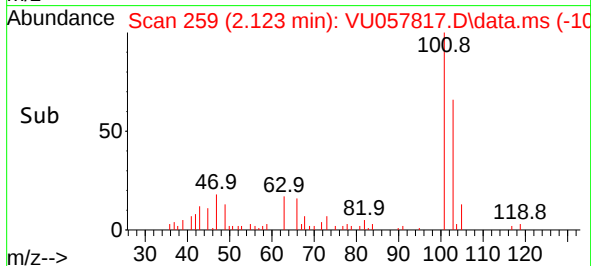
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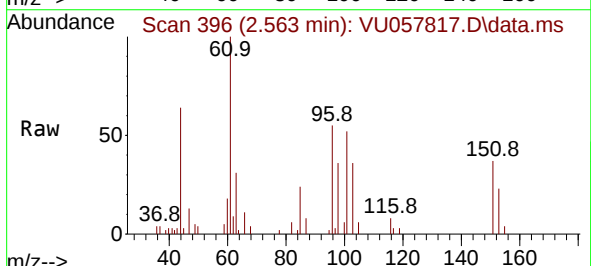
Tgt Ion:101 Resp: 1098
Ion Ratio Lower Upper
101 100
103 69.7 51.4 77.0

Manual Integrations
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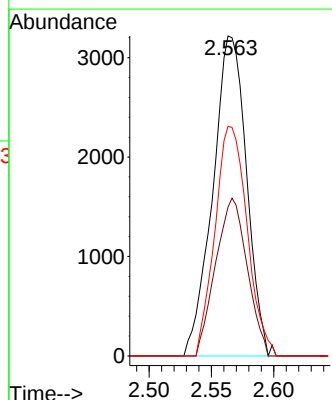
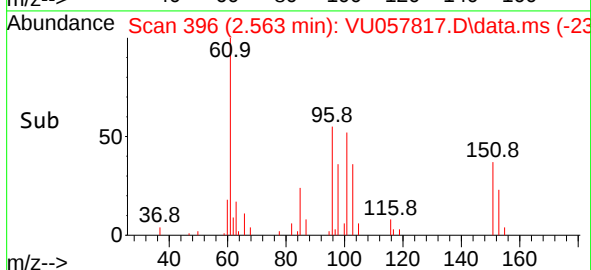
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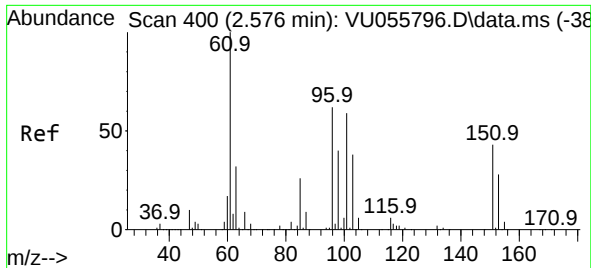


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.546 ug/l
RT: 2.563 min Scan# 396
Delta R.T. 0.003 min
Lab File: VU057817.D
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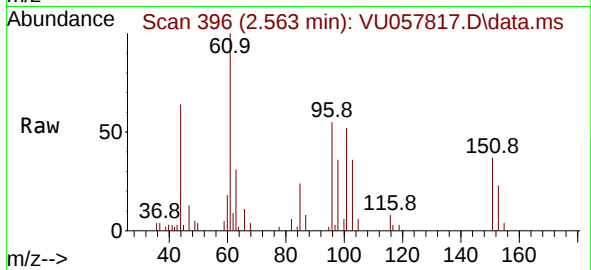
Tgt Ion:101 Resp: 6064
Ion Ratio Lower Upper
101 100
85 46.1 35.4 53.0
151 68.6 54.0 81.0





#9
1,1-Dichloroethene
Concen: 0.523 ug/l
RT: 2.563 min Scan# 396
Delta R.T. 0.003 min
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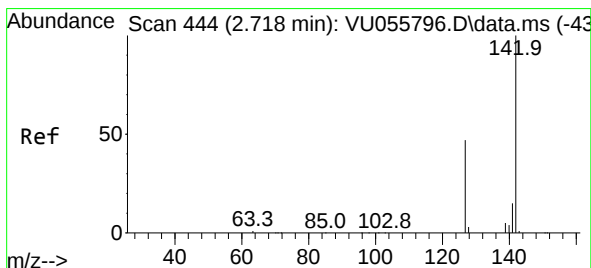
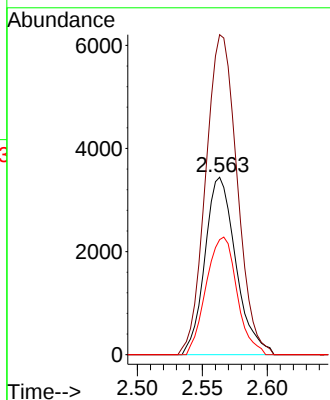
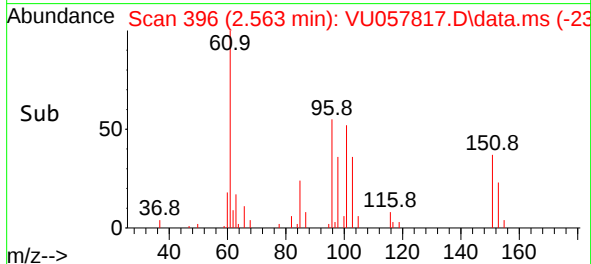
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MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024



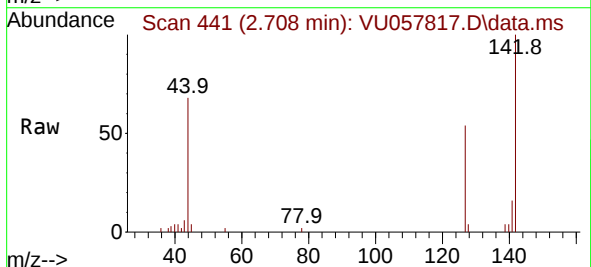
Tgt Ion: 96 Resp: 570
Ion Ratio Lower Upper
96 100
61 180.3 0.0 521.4
98 64.9 0.0 125.8

Manual Integrations
APPROVED

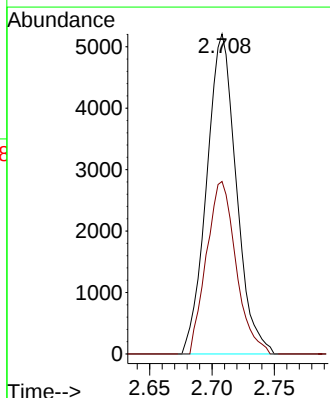
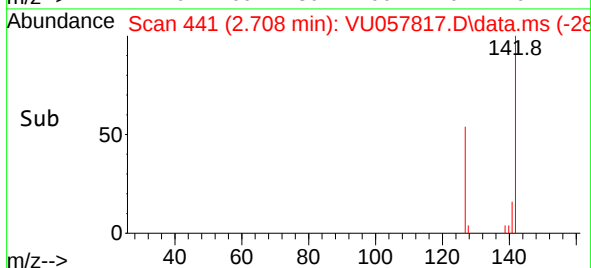
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

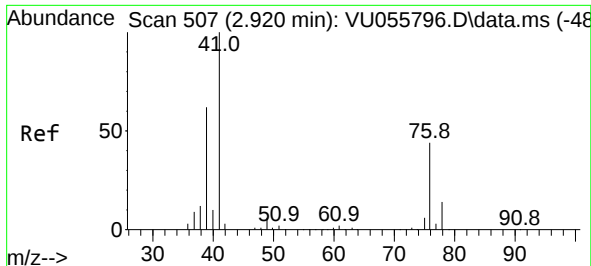


#10
Iodomethane
Concen: 0.492 ug/l
RT: 2.708 min Scan# 441
Delta R.T. 0.007 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36



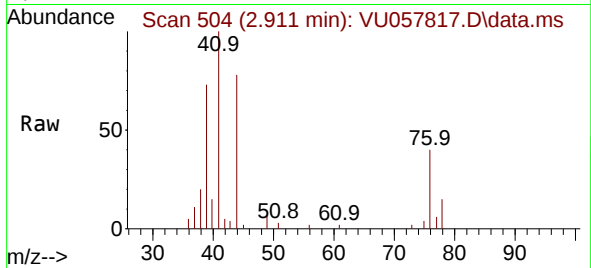
Tgt Ion:142 Resp: 8617
Ion Ratio Lower Upper
142 100
127 53.7 35.9 53.9





#11
 Allyl Chloride
 Concen: 0.508 ug/l
 RT: 2.911 min Scan# 507
 Delta R.T. 0.007 min
 Lab File: VU057817.D
 Acq: 06 Feb 2024 12:36

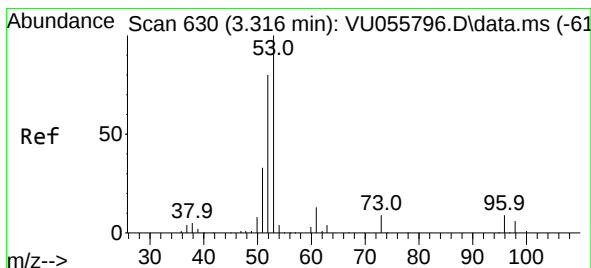
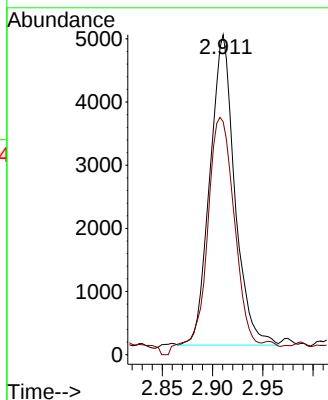
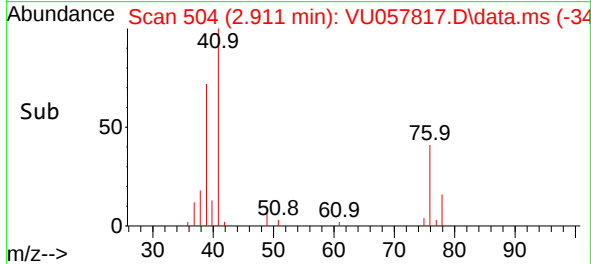
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2024



Tgt Ion: 41 Resp: 8440
 Ion Ratio Lower Upper
 41 100
 39 86.3 54.2 81.2

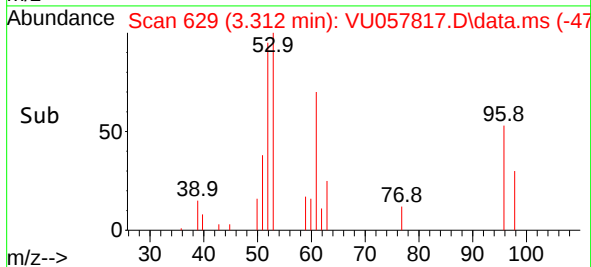
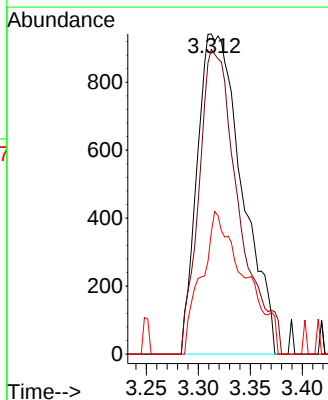
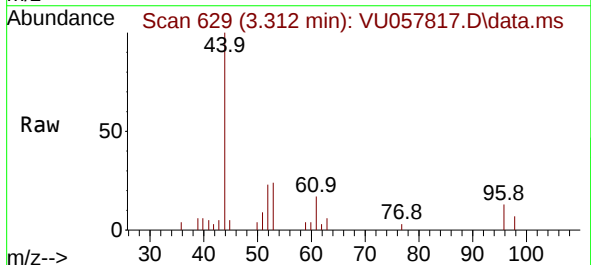
Manual Integrations
 APPROVED

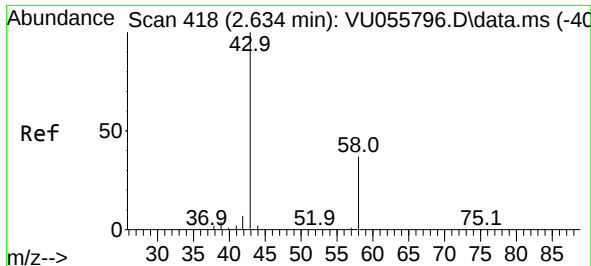
Reviewed By :John Carlone 02/14/2024
 Supervised By :Mahesh Dadoda 02/14/2024



#12
 Acrylonitrile
 Concen: 1.225 ug/l
 RT: 3.312 min Scan# 629
 Delta R.T. 0.003 min
 Lab File: VU057817.D
 Acq: 06 Feb 2024 12:36

Tgt Ion: 53 Resp: 2818
 Ion Ratio Lower Upper
 53 100
 52 84.8 62.9 94.3
 51 43.5 27.8 41.6





#13

Acetone

Concen: 3.058 ug/l

RT: 2.637 min Scan# 41

Delta R.T. 0.007 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2024

Tgt Ion: 43 Resp: 1377

Ion Ratio Lower Upper

43 100

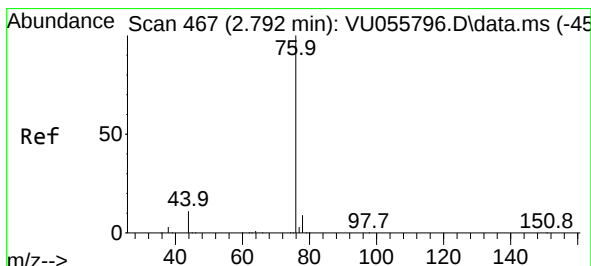
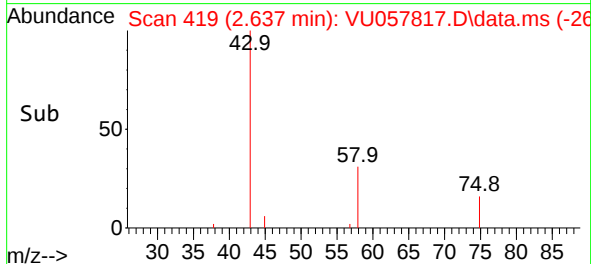
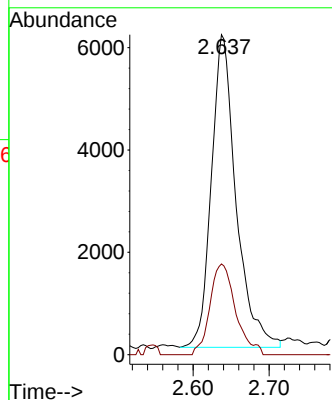
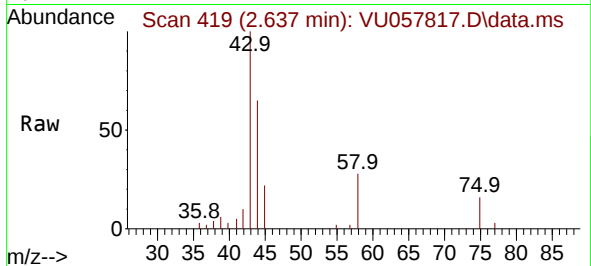
58 29.0 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#14

Carbon Disulfide

Concen: 0.539 ug/l

RT: 2.779 min Scan# 463

Delta R.T. 0.007 min

Lab File: VU057817.D

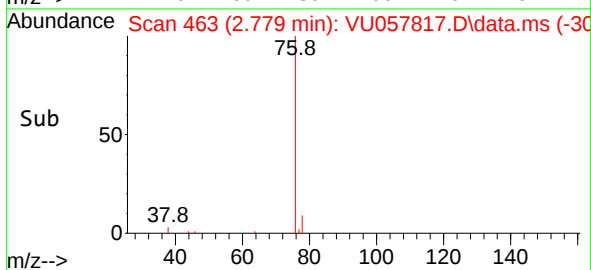
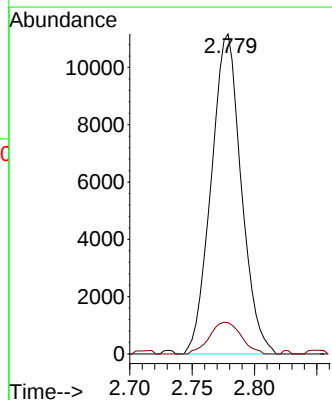
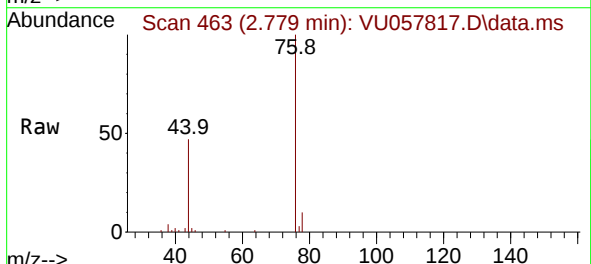
Acq: 06 Feb 2024 12:36

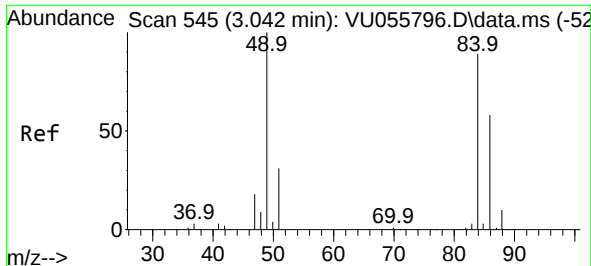
Tgt Ion: 76 Resp: 18773

Ion Ratio Lower Upper

76 100

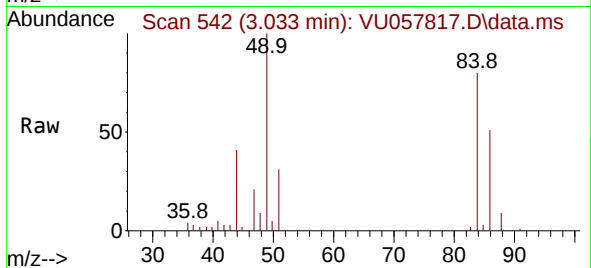
78 9.8 7.4 11.0





#15
Methylene Chloride
Concen: 1.016 ug/l
RT: 3.033 min Scan# 542
Delta R.T. 0.007 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

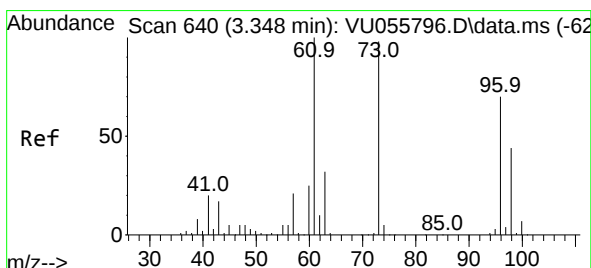
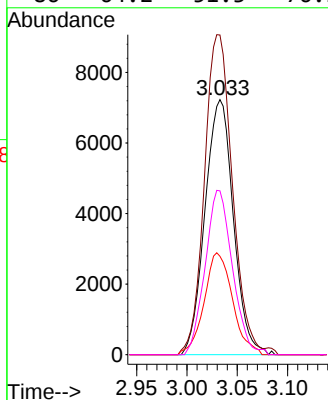
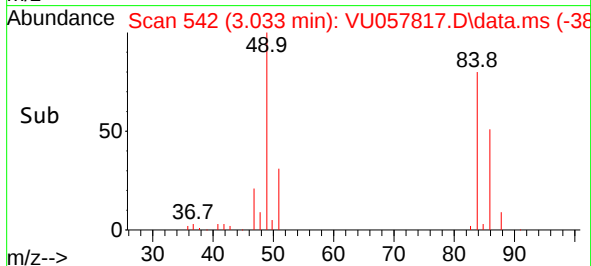
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024



Tgt Ion: 84	Resp: 14214
Ion Ratio	Lower Upper
84	100
49	125.3 98.9 148.3
51	38.6 0.0 75.4
86	64.2 51.3 76.9

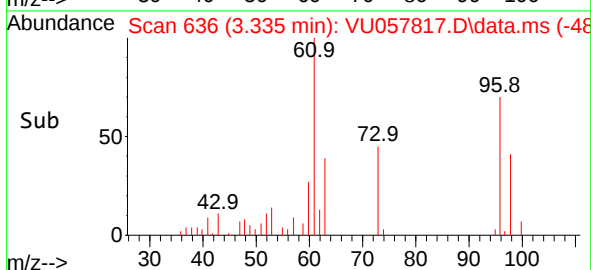
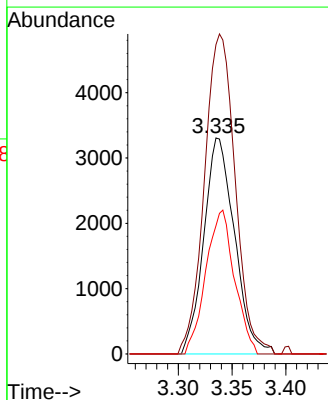
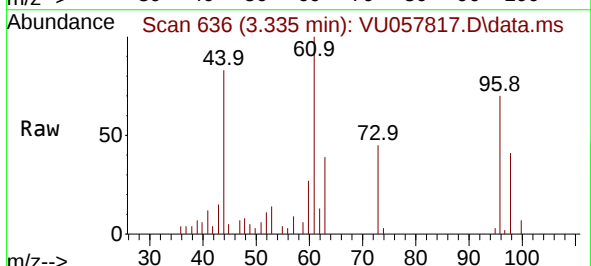
Manual Integrations
APPROVED

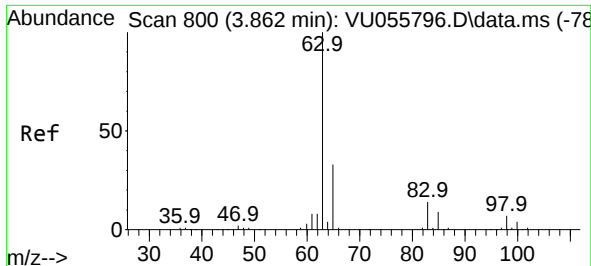
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#16
trans-1,2-Dichloroethene
Concen: 0.556 ug/l
RT: 3.335 min Scan# 636
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Tgt Ion: 96	Resp: 6572
Ion Ratio	Lower Upper
96	100
61	138.4 117.5 176.3
98	57.4 48.3 72.5





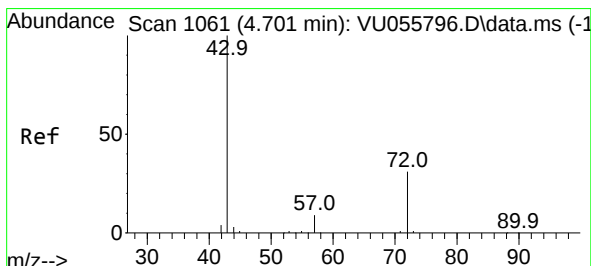
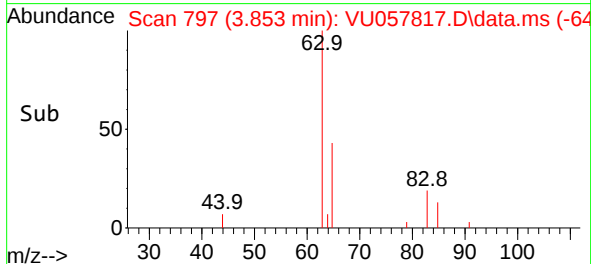
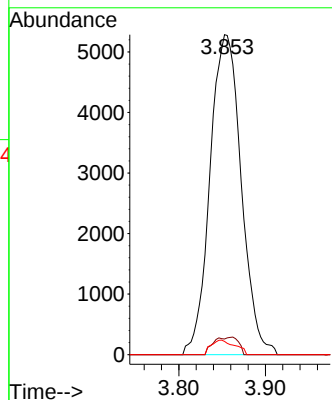
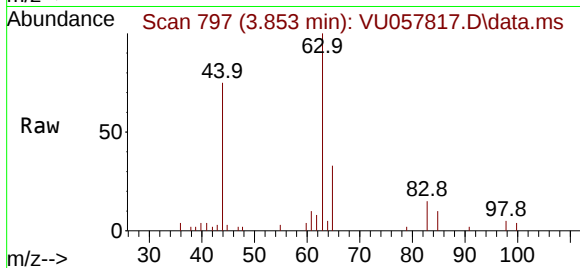
#17
 1,1-Dichloroethane
 Concen: 0.557 ug/l
 RT: 3.853 min Scan# 797
 Delta R.T. 0.003 min
 Lab File: VU057817.D
 Acq: 06 Feb 2024 12:36

Instrument : MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2024

Tgt Ion: 63 Resp: 13235
 Ion Ratio Lower Upper
 63 100
 98 4.9 3.4 10.1
 100 4.1 2.2 6.6

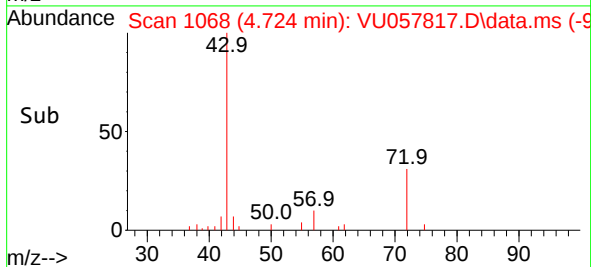
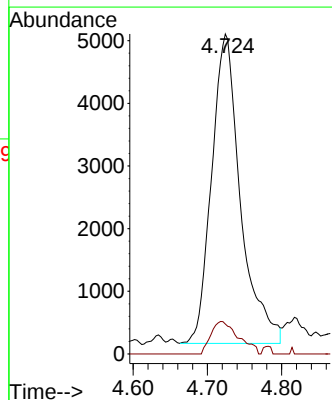
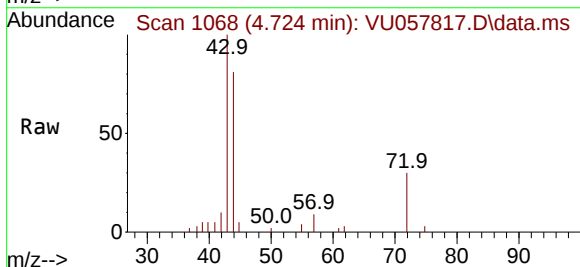
Manual Integrations
 APPROVED

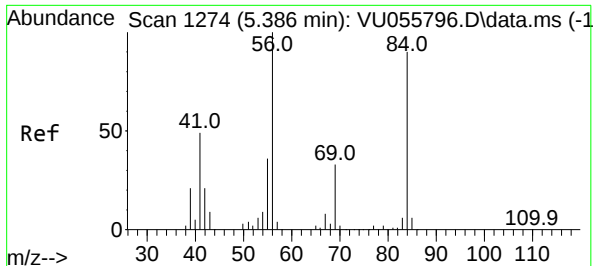
Reviewed By :John Carlone 02/14/2024
 Supervised By :Mahesh Dadoda 02/14/2024



#18
 2-Butanone
 Concen: 2.951 ug/l
 RT: 4.724 min Scan# 1068
 Delta R.T. 0.013 min
 Lab File: VU057817.D
 Acq: 06 Feb 2024 12:36

Tgt Ion: 43 Resp: 13326
 Ion Ratio Lower Upper
 43 100
 57 9.7 0.0 19.6





#19

Cyclohexane

Concen: 0.559 ug/l

RT: 5.370 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

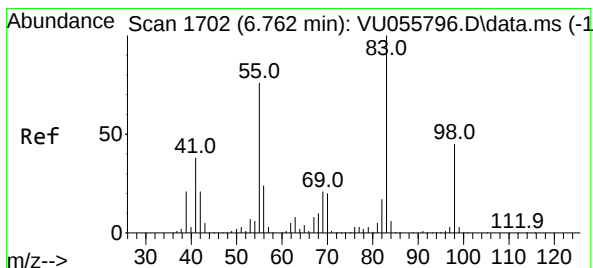
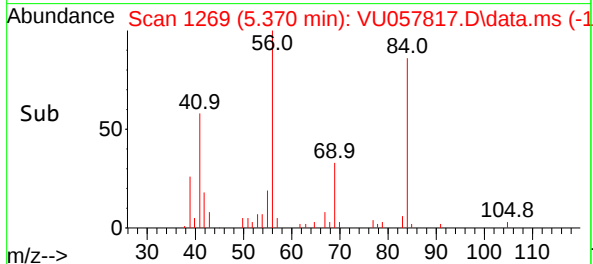
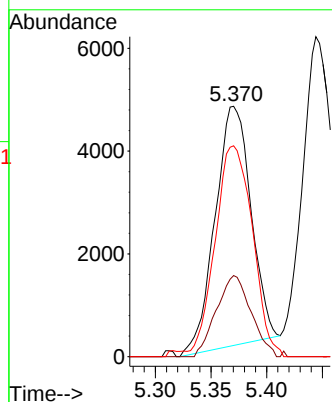
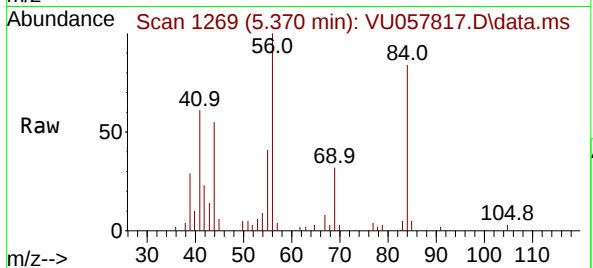
ClientSampleId :

LOQ-WATER-02-QT1-2024

Tgt Ion:	56	Resp:	1044
Ion Ratio	Lower	Upper	
56	100		
69	32.6	24.6	37.0
84	89.0	68.4	102.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#20

Methylcyclohexane

Concen: 0.513 ug/l

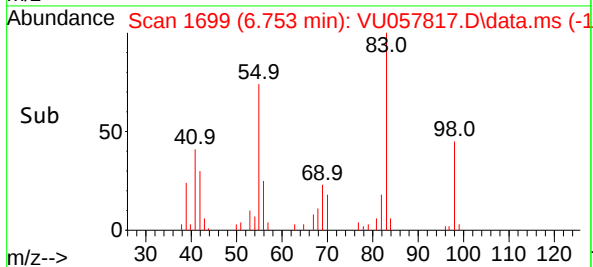
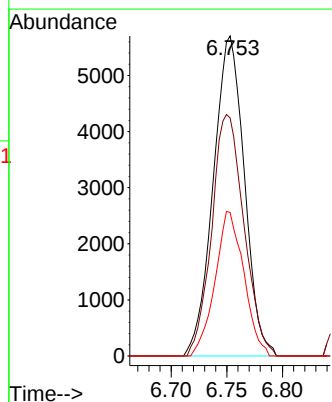
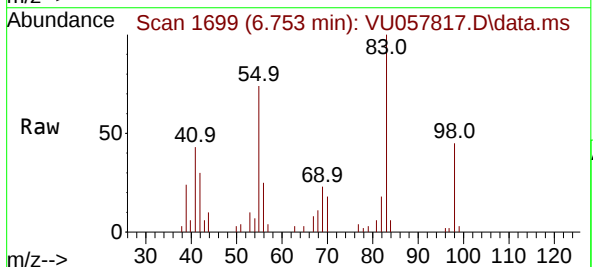
RT: 6.753 min Scan# 1699

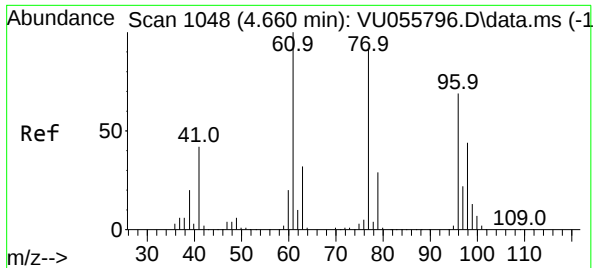
Delta R.T. 0.003 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Tgt Ion:	83	Resp:	11077
Ion Ratio	Lower	Upper	
83	100		
55	78.1	63.5	95.3
98	41.8	36.0	54.0





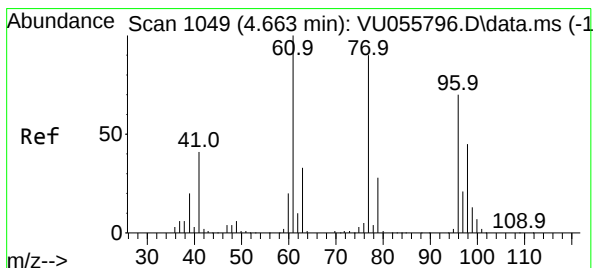
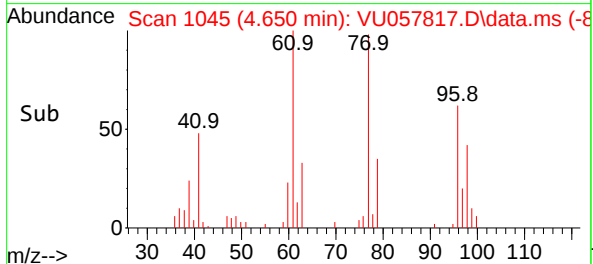
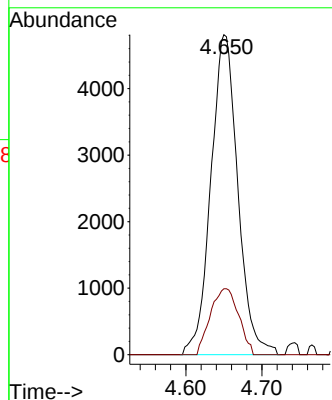
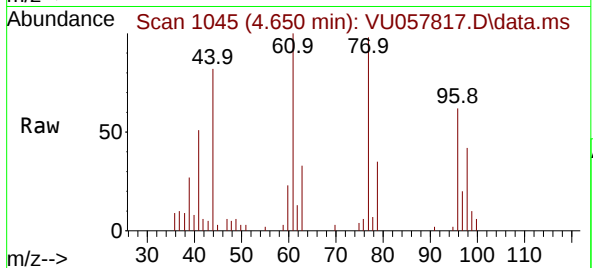
#21
2,2-Dichloropropane
Concen: 0.554 ug/l
RT: 4.650 min Scan# 1045
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024

Tgt Ion: 77 Resp: 1184
Ion Ratio Lower Upper
77 100
97 21.5 18.4 27.6

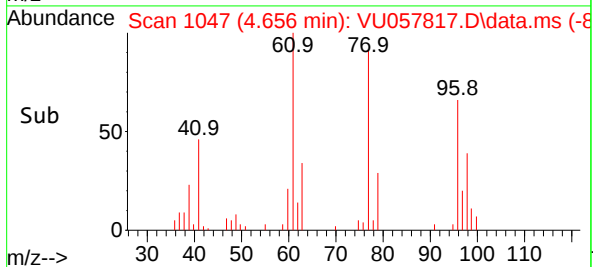
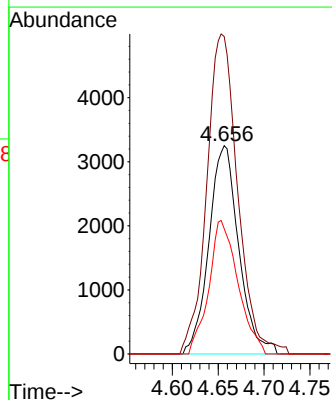
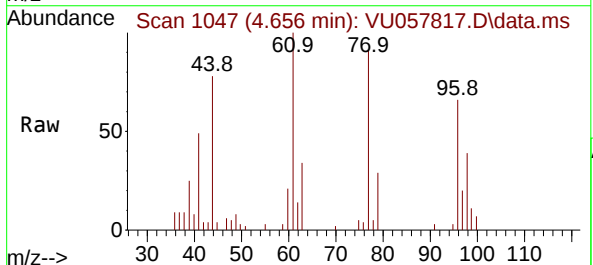
Manual Integrations
APPROVED

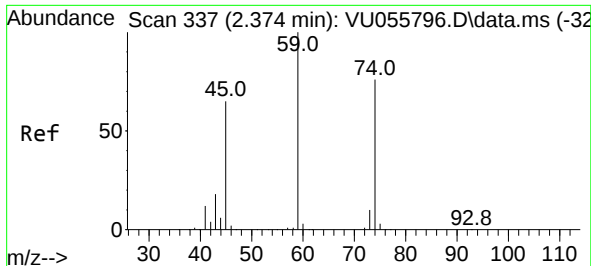
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#22
cis-1,2-Dichloroethene
Concen: 0.566 ug/l
RT: 4.656 min Scan# 1047
Delta R.T. 0.007 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Tgt Ion: 96 Resp: 7373
Ion Ratio Lower Upper
96 100
61 158.9 0.0 365.8
98 62.4 32.0 96.0





#23

Diethyl Ether

Concen: 0.726 ug/l

RT: 2.364 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2024

Tgt Ion: 59 Resp: 610

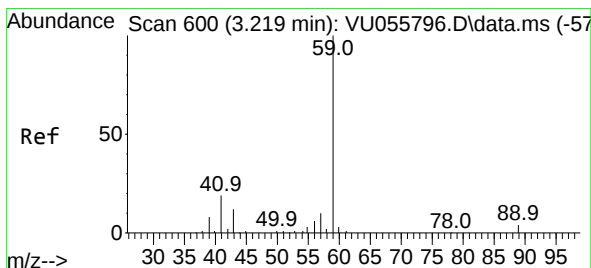
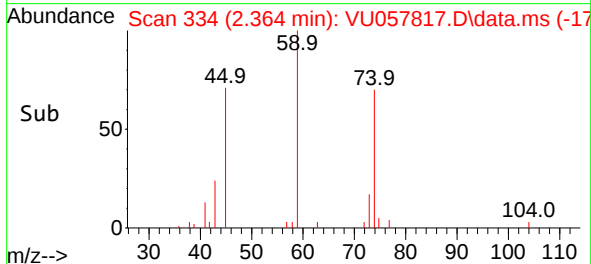
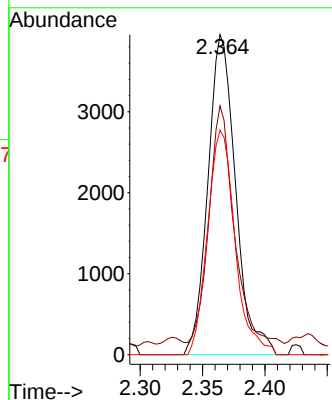
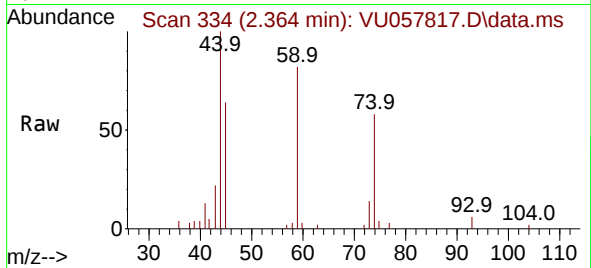
Ion	Ratio	Lower	Upper
59	100		
45	67.2	56.1	84.1
74	69.8	57.4	86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#24

tert-Butyl Alcohol

Concen: 2.652 ug/l

RT: 3.248 min Scan# 609

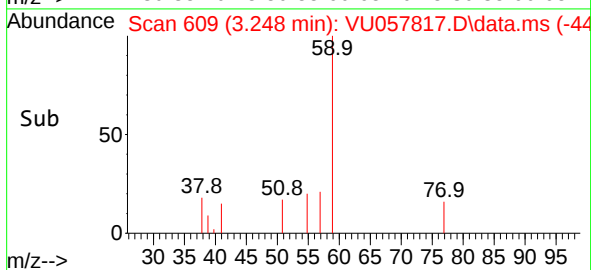
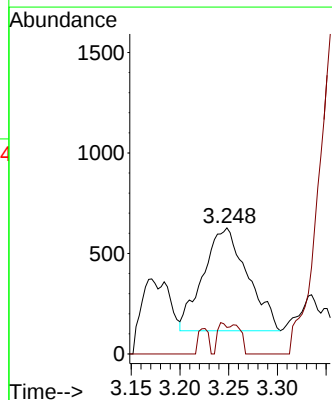
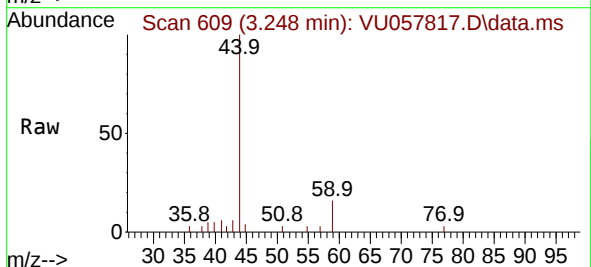
Delta R.T. 0.016 min

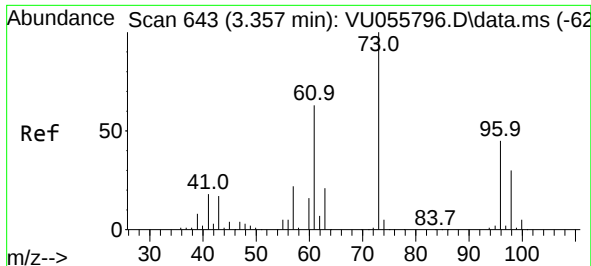
Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Tgt Ion: 59 Resp: 1618

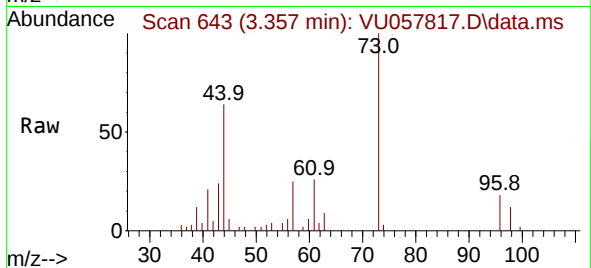
Ion	Ratio	Lower	Upper
59	100		
57	0.0	105.6	158.4#





#25
Methyl tert-Butyl Ether
Concen: 0.558 ug/l
RT: 3.357 min Scan# 643
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

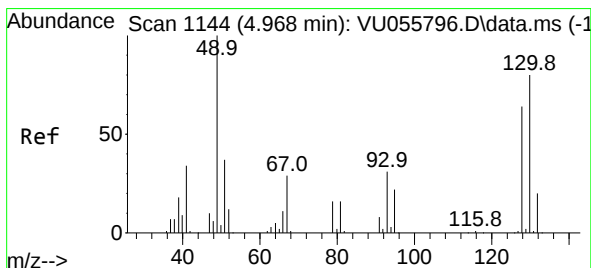
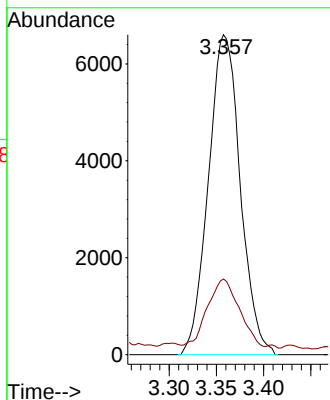
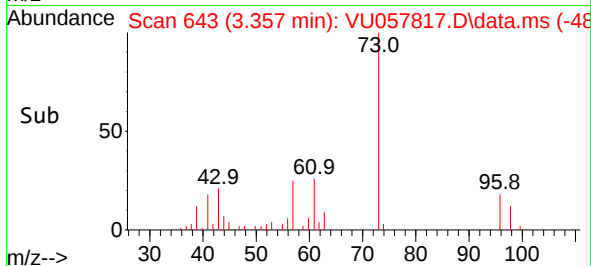
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024



Tgt Ion: 73 Resp: 15492
Ion Ratio Lower Upper
73 100
43 20.8 15.0 22.6

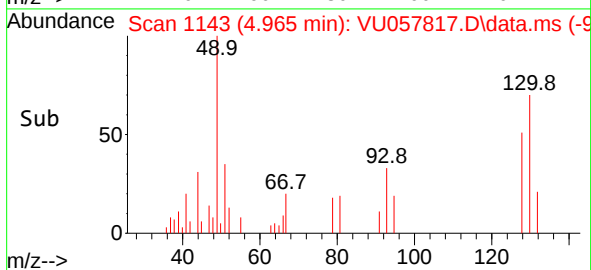
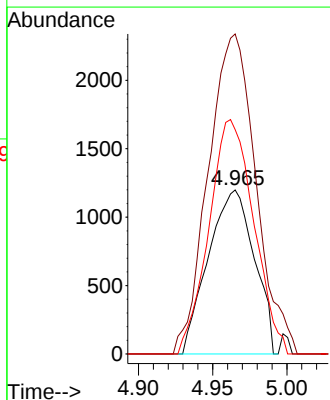
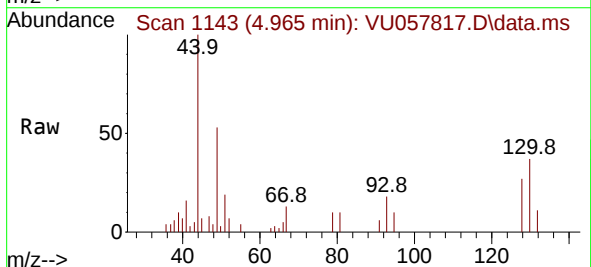
Manual Integrations
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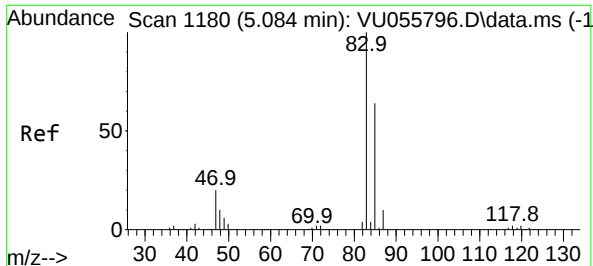
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#26
Bromochloromethane
Concen: 0.510 ug/l
RT: 4.965 min Scan# 1143
Delta R.T. 0.007 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Tgt Ion:128 Resp: 2585
Ion Ratio Lower Upper
128 100
49 201.9 0.0 324.6
130 139.2 103.0 154.4





#27

Chloroform

Concen: 0.549 ug/l

RT: 5.078 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2024

Tgt Ion: 83 Resp: 13024

Ion Ratio Lower Upper

83 100

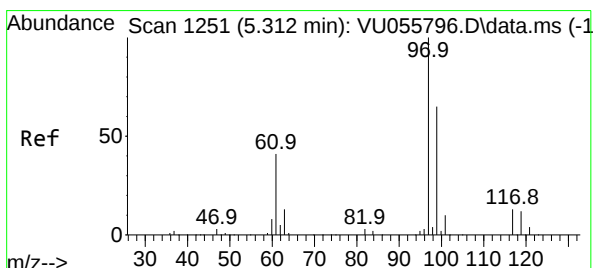
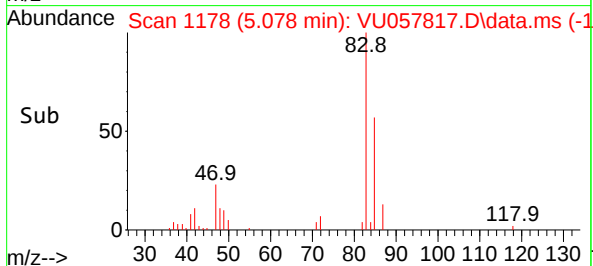
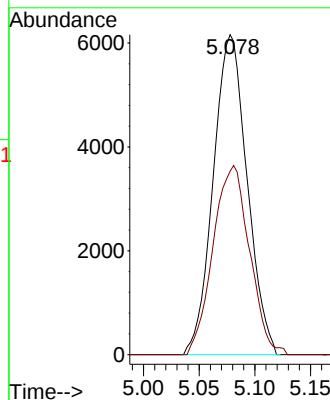
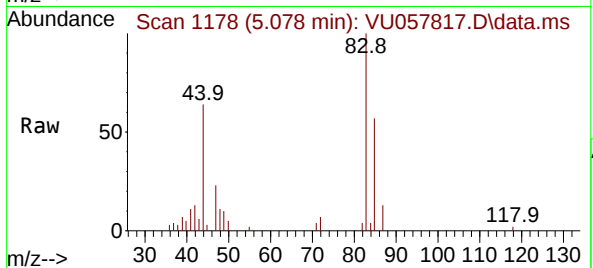
85 57.3 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#28

1,1,1-Trichloroethane

Concen: 0.517 ug/l

RT: 5.300 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

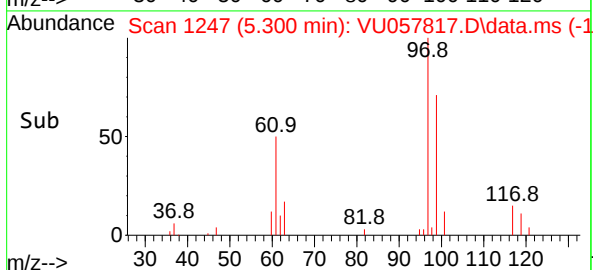
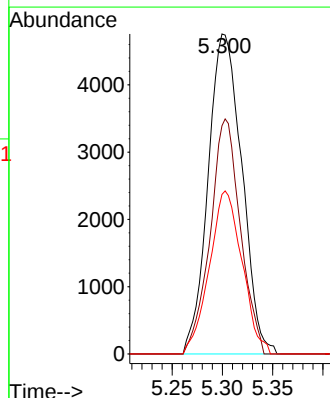
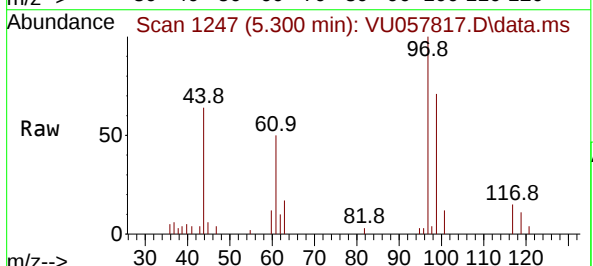
Tgt Ion: 97 Resp: 11105

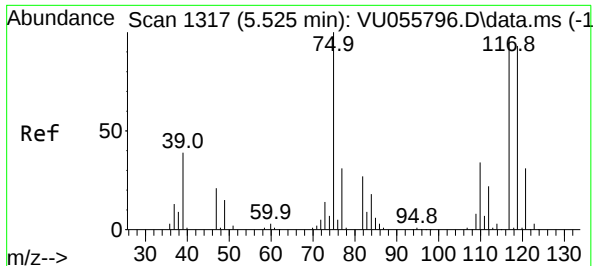
Ion Ratio Lower Upper

97 100

99 65.7 32.0 96.2

61 49.4 22.9 68.5





#29

1,1-Dichloropropene

Concen: 0.544 ug/l

RT: 5.515 min Scan# 1314

Delta R.T. 0.003 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2024

Tgt Ion: 75 Resp: 9600

Ion Ratio Lower Upper

75 100

110 33.9 18.0 54.0

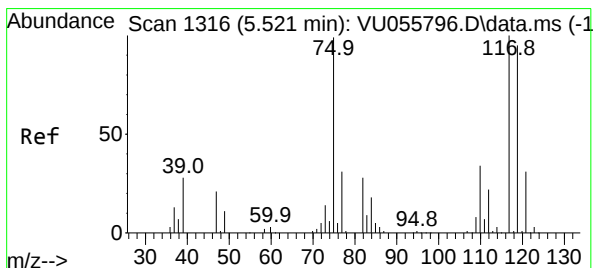
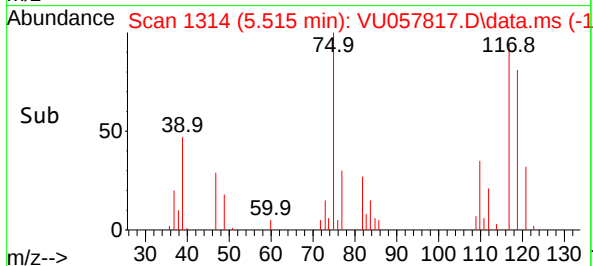
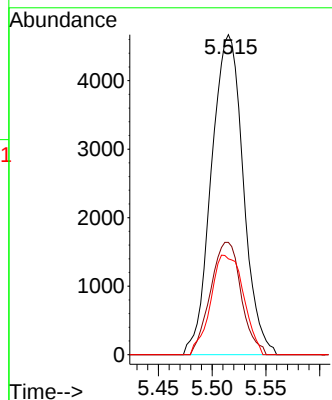
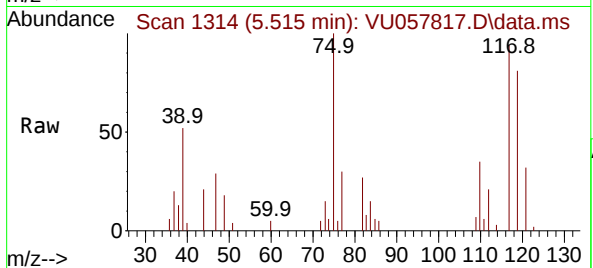
77 32.0 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#30

Carbon Tetrachloride

Concen: 0.550 ug/l

RT: 5.512 min Scan# 1313

Delta R.T. 0.003 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

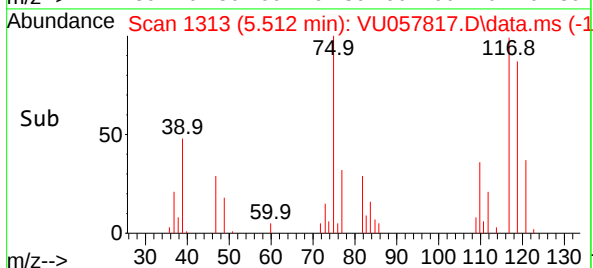
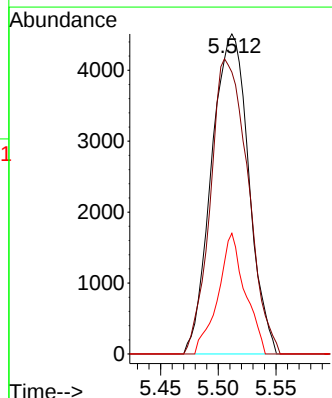
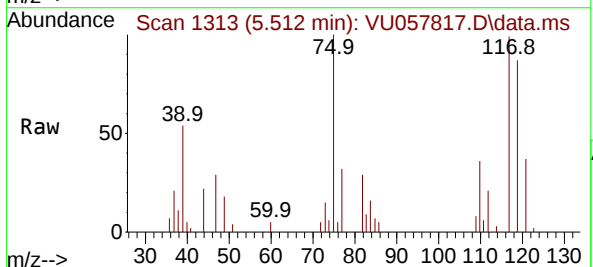
Tgt Ion:117 Resp: 10111

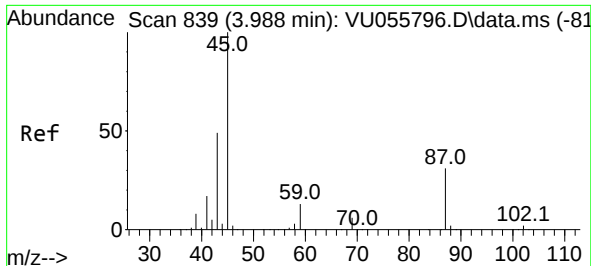
Ion Ratio Lower Upper

117 100

119 88.1 77.4 116.0

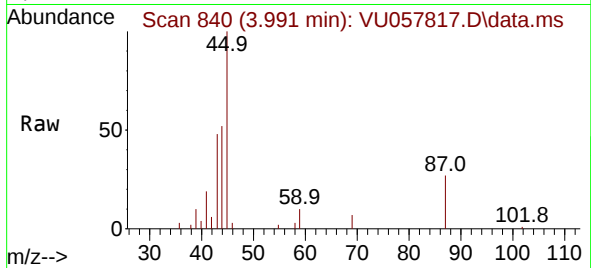
121 37.7 24.0 36.0#





#31
Isopropyl Ether
Concen: 0.554 ug/l
RT: 3.991 min Scan# 840
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

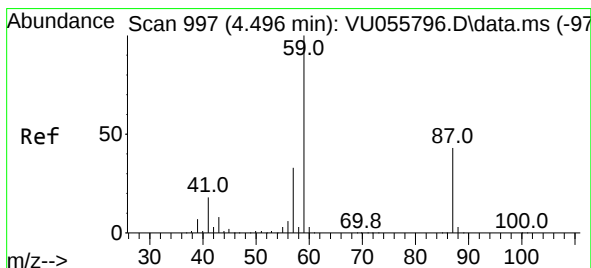
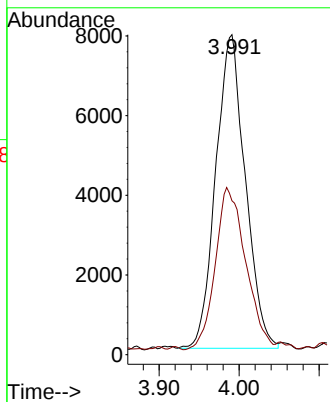
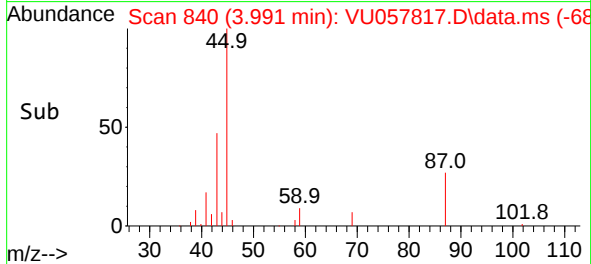
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024



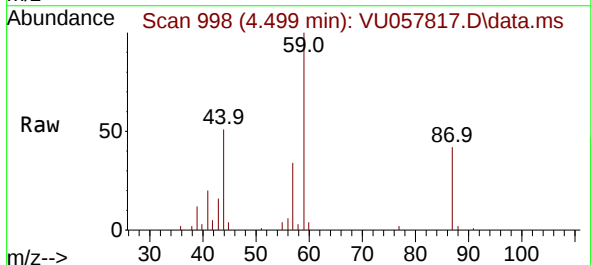
Tgt Ion: 45 Resp: 20210
Ion Ratio Lower Upper
45 100
43 53.1 27.5 82.5

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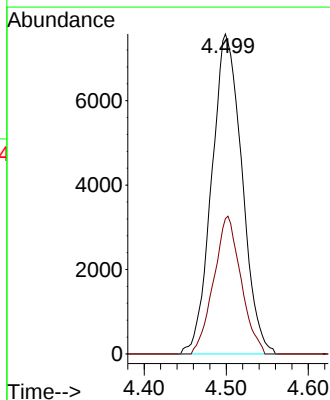
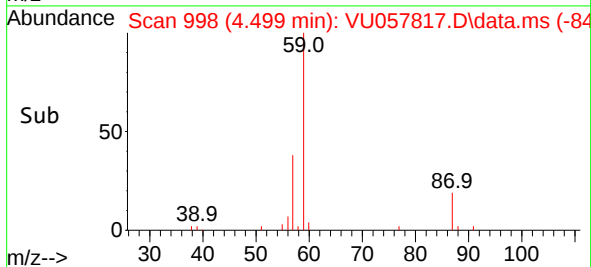
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

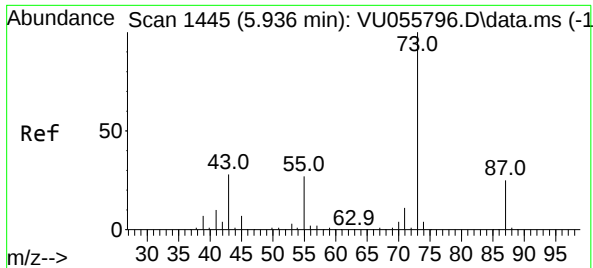


#32
Ethyl-t-butyl ether
Concen: 0.543 ug/l
RT: 4.499 min Scan# 998
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36



Tgt Ion: 59 Resp: 19479
Ion Ratio Lower Upper
59 100
87 38.7 33.5 50.3





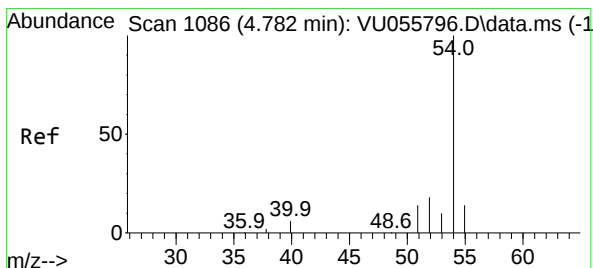
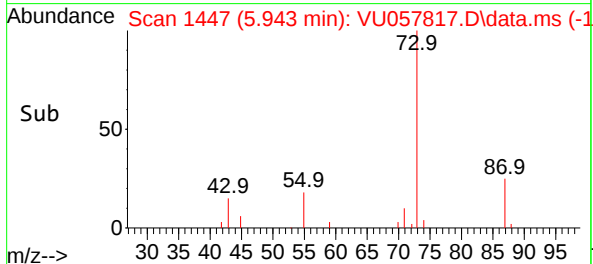
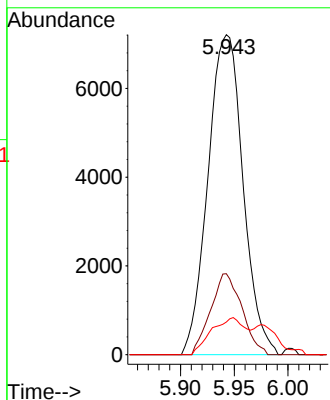
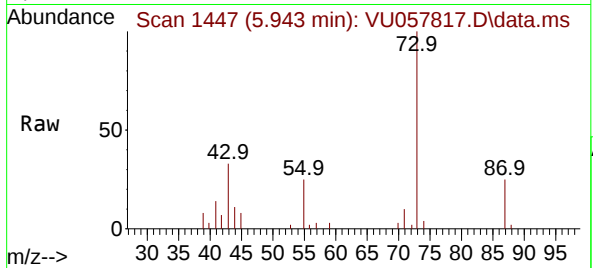
#33
Tert-Amyl methyl ether
Concen: 0.545 ug/l
RT: 5.943 min Scan# 1445
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024

Tgt Ion: 73 Resp: 16358
Ion Ratio Lower Upper
73 100
87 22.5 18.6 28.0
71 11.4 9.9 14.9

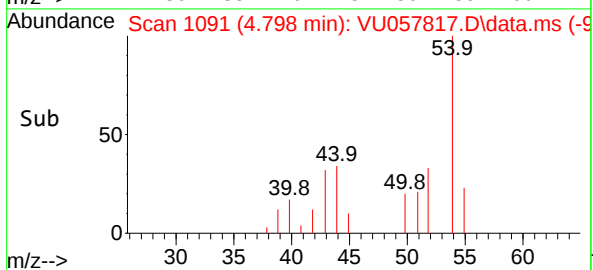
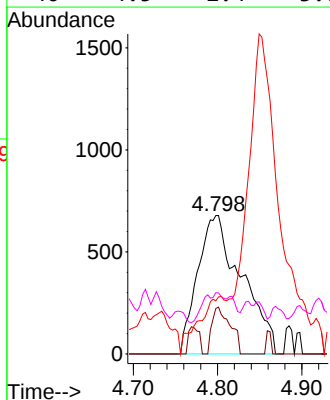
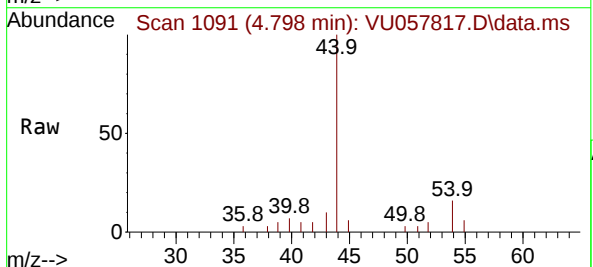
Manual Integrations
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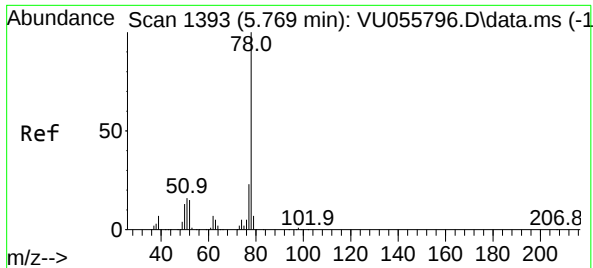
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#34
Propionitrile
Concen: 2.931 ug/l
RT: 4.798 min Scan# 1091
Delta R.T. 0.013 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Tgt Ion: 54 Resp: 2470
Ion Ratio Lower Upper
54 100
52 14.0 17.4 26.0#
55 25.8 104.1 156.1#
40 4.5 2.4 3.6#





#35

Benzene

Concen: 0.544 ug/l

RT: 5.763 min Scan# 1393

Delta R.T. 0.003 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2024

Tgt Ion: 78 Resp: 2747

Ion Ratio Lower Upper

78 100

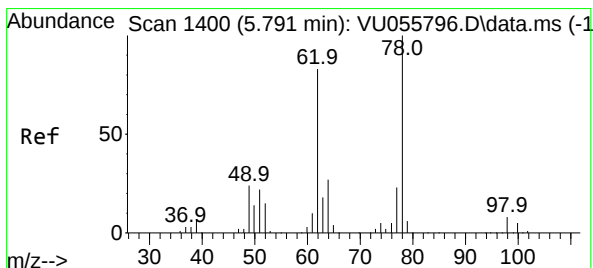
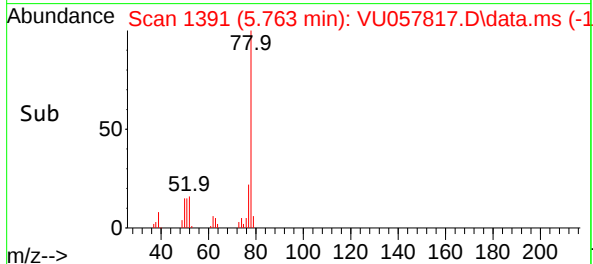
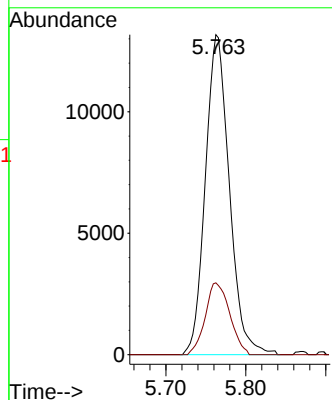
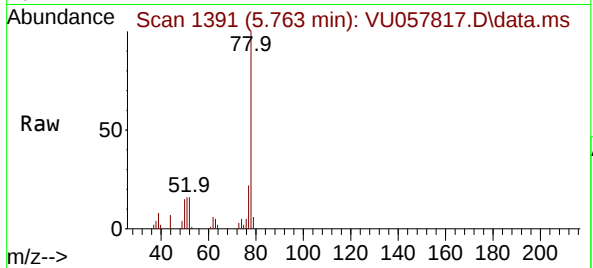
77 22.5 18.9 28.3

Manual Integrations

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Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#36

1,2-Dichloroethane

Concen: 0.571 ug/l

RT: 5.791 min Scan# 1400

Delta R.T. 0.007 min

Lab File: VU057817.D

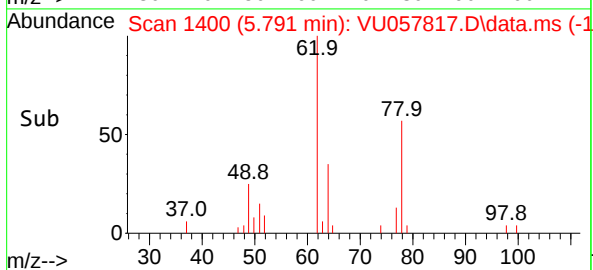
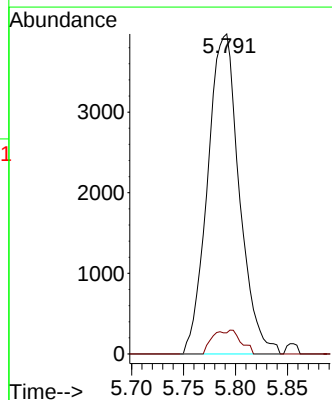
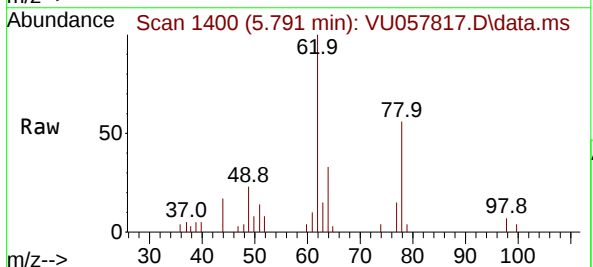
Acq: 06 Feb 2024 12:36

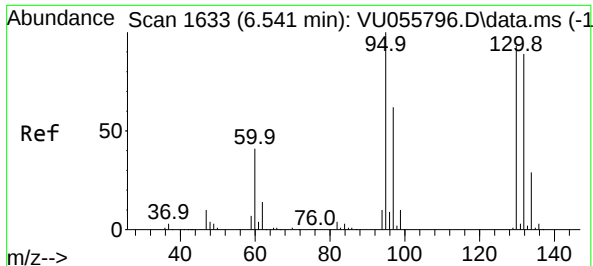
Tgt Ion: 62 Resp: 8428

Ion Ratio Lower Upper

62 100

98 3.0 7.3 10.9#





#37

Trichloroethene

Concen: 0.527 ug/l

RT: 6.537 min Scan# 1

Delta R.T. 0.007 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2024

Tgt Ion:130 Resp: 6860

Ion Ratio Lower Upper

130 100

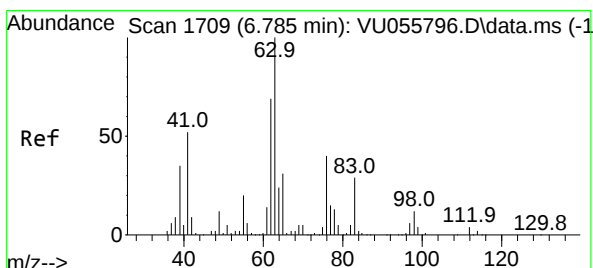
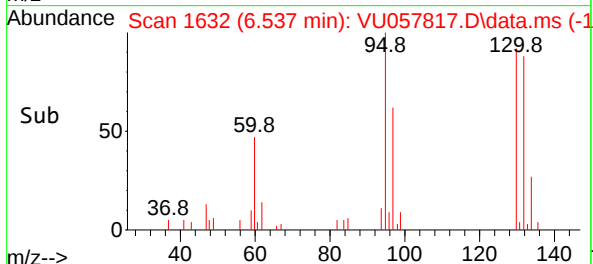
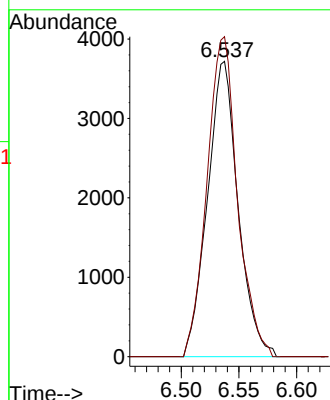
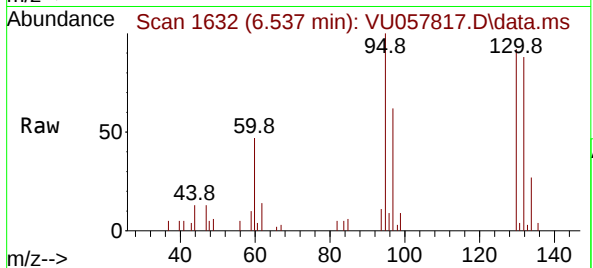
95 108.4 85.0 127.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#38

1,2-Dichloropropane

Concen: 0.518 ug/l

RT: 6.785 min Scan# 1709

Delta R.T. 0.000 min

Lab File: VU057817.D

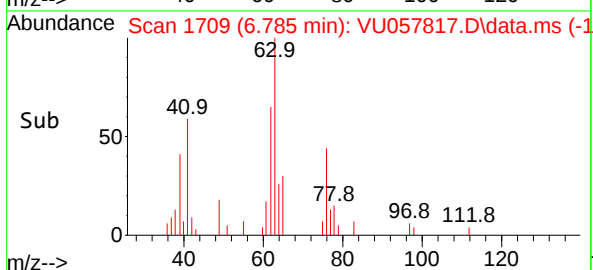
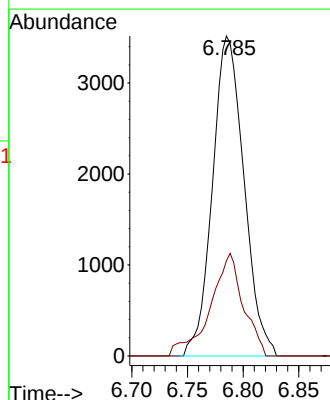
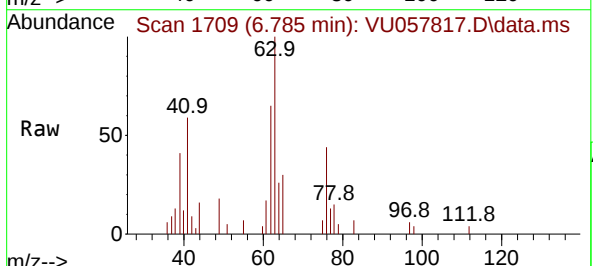
Acq: 06 Feb 2024 12:36

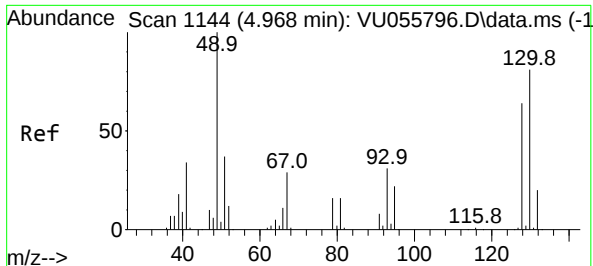
Tgt Ion: 63 Resp: 6916

Ion Ratio Lower Upper

63 100

65 29.8 24.9 37.3





#39

Methacrylonitrile

Concen: 0.505 ug/l

RT: 4.981 min Scan# 1144

Delta R.T. 0.010 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2024

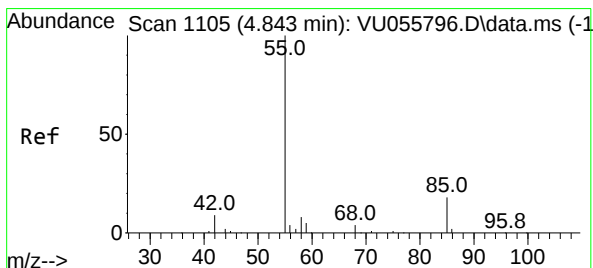
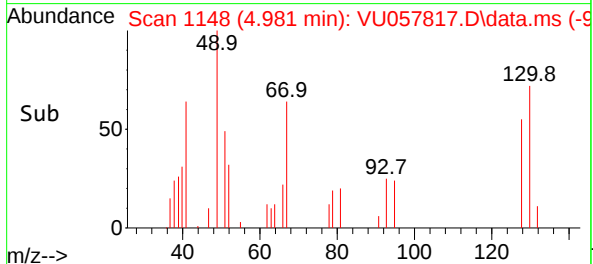
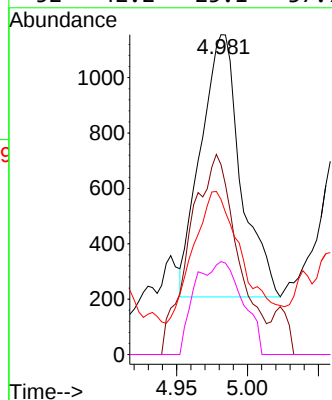
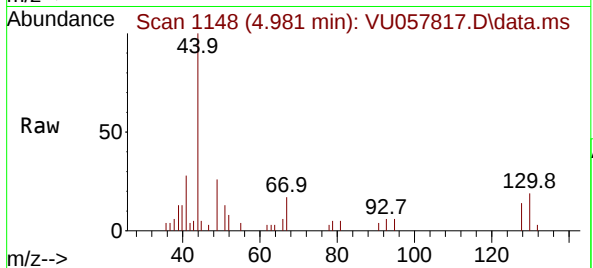
Tgt Ion: 41	Resp: 1850
Ion Ratio	Lower Upper
41 100	
67 91.5	66.8 100.2
39 60.6	41.2 61.8
52 42.2	25.1 37.7#

Manual Integrations

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Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#40

Methyl acrylate

Concen: 0.570 ug/l

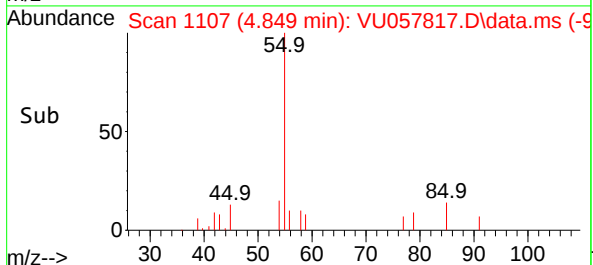
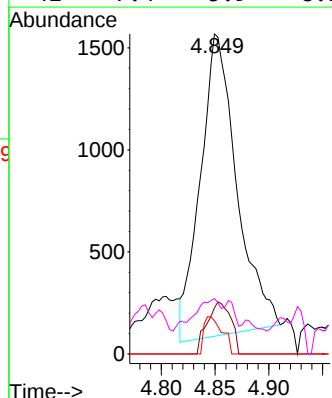
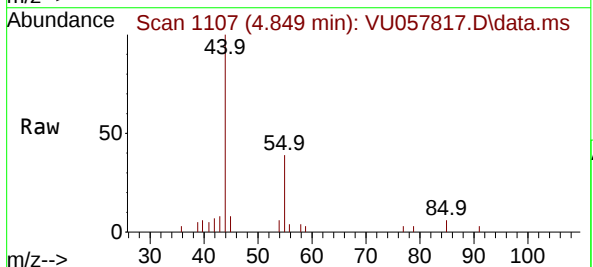
RT: 4.849 min Scan# 1107

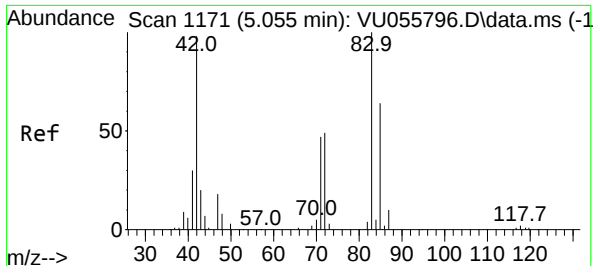
Delta R.T. 0.007 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Tgt Ion: 55	Resp: 3485
Ion Ratio	Lower Upper
55 100	
85 11.2	13.3 19.9#
58 6.2	6.5 9.7#
42 7.4	5.9 8.9





#41

Tetrahydrofuran

Concen: 1.671 ug/l

RT: 5.062 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2024

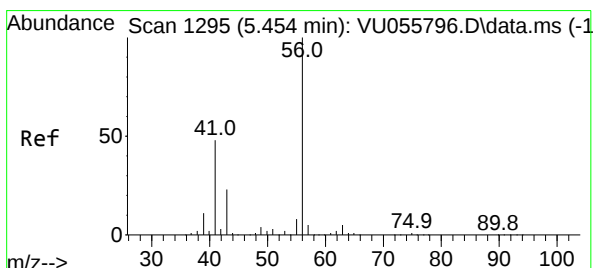
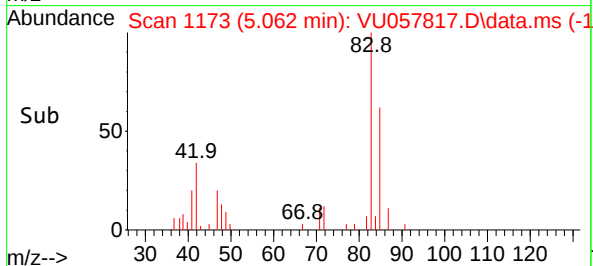
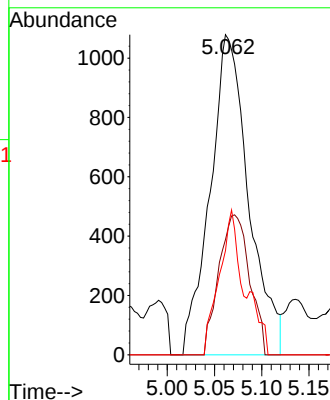
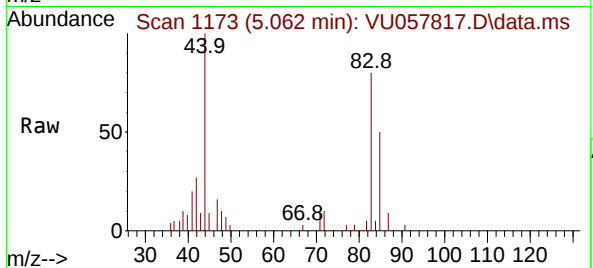
Tgt Ion: 42	Resp: 3058
Ion Ratio	Lower Upper
42	100
72	34.9 40.9 61.3
71	24.4 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#42

1-Chlorobutane

Concen: 0.538 ug/l

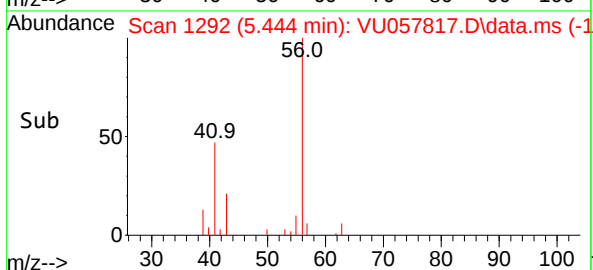
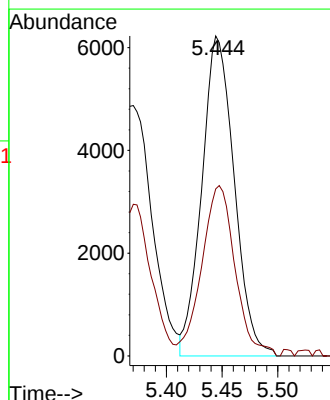
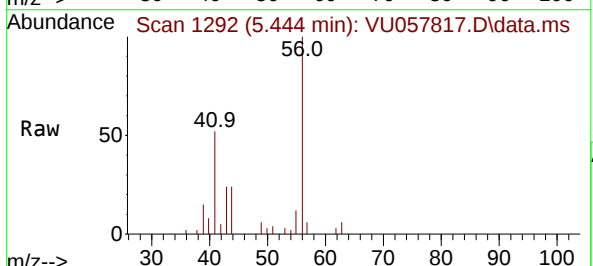
RT: 5.444 min Scan# 1292

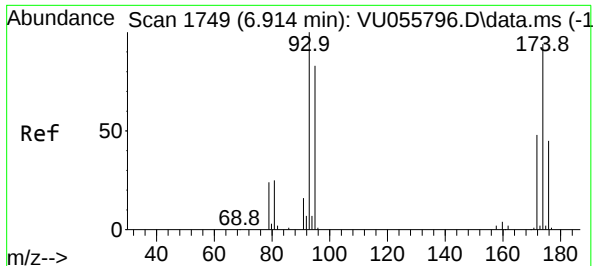
Delta R.T. 0.000 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

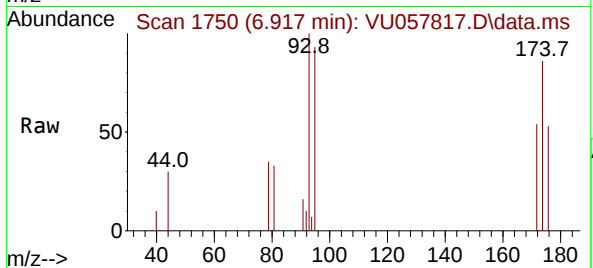
Tgt Ion: 56	Resp: 12598
Ion Ratio	Lower Upper
56	100
41	54.8 25.2 75.6





#43
Dibromomethane
Concen: 0.522 ug/l
RT: 6.917 min Scan# 1750
Delta R.T. 0.007 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

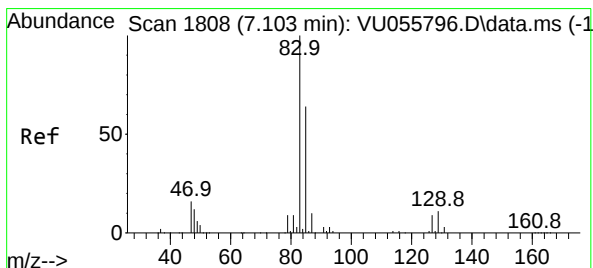
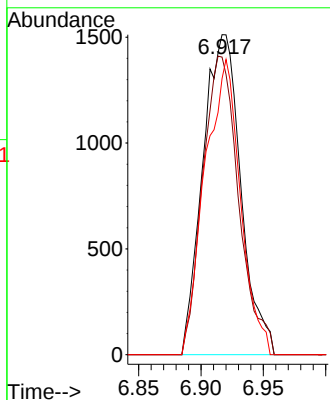
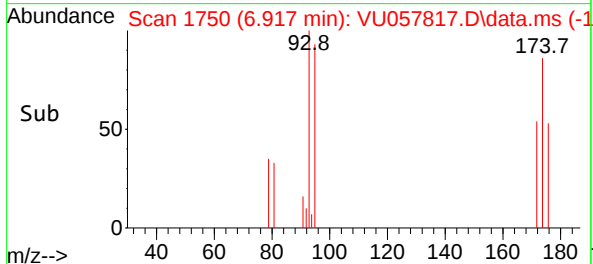
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024



Tgt Ion:	93	Resp:	320
Ion	Ratio	Lower	Upper
93	100		
95	88.7	67.0	100.6
174	86.2	73.8	110.6

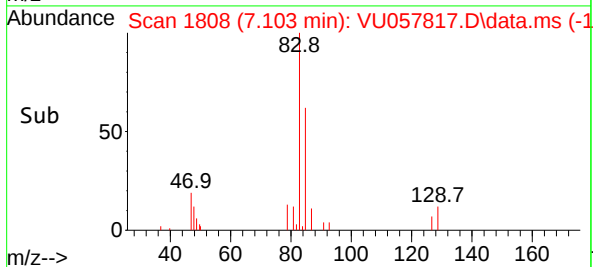
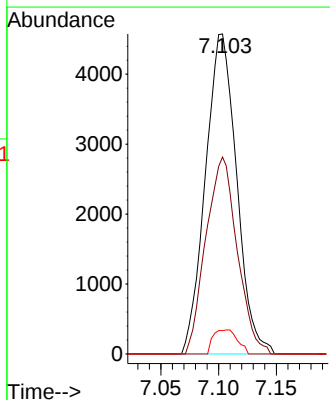
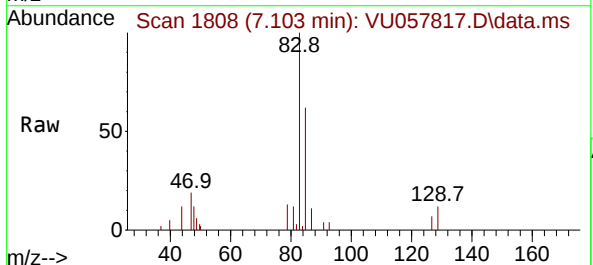
Manual Integrations
APPROVED

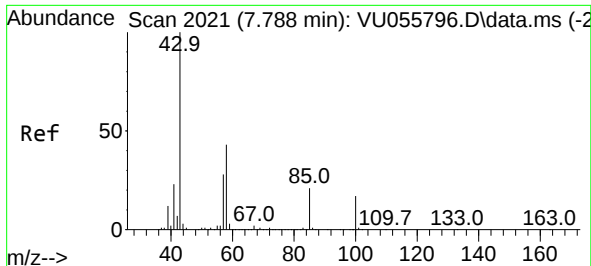
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#44
Bromodichloromethane
Concen: 0.516 ug/l
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Tgt Ion:	83	Resp:	8604
Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.9	77.9
127	7.3	6.7	10.1





#45

4-Methyl-2-Pentanone

Concen: 2.761 ug/l

RT: 7.798 min Scan# 20

Delta R.T. 0.003 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2024

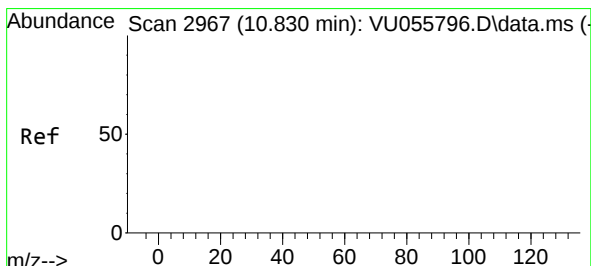
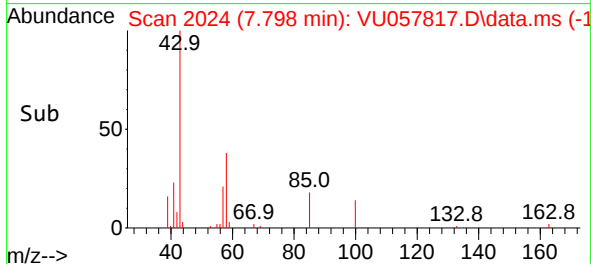
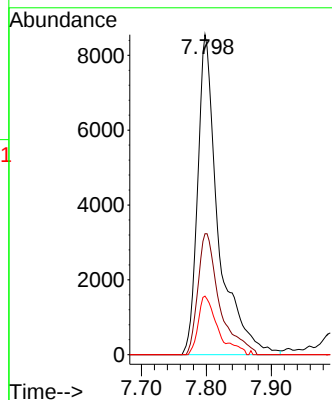
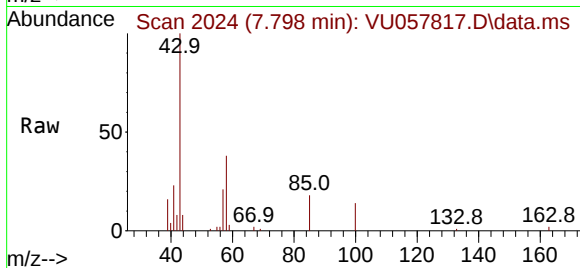
Tgt Ion: 43	Resp: 18934
Ion Ratio	Lower Upper
43 100	
58 39.6	20.9 62.8
85 17.4	14.6 21.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#46

t-1,4-Dichloro-2-butene

Concen: 1.274 ug/l m

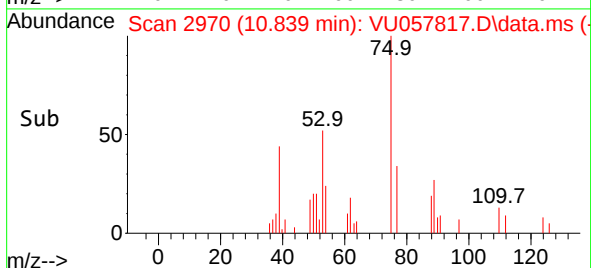
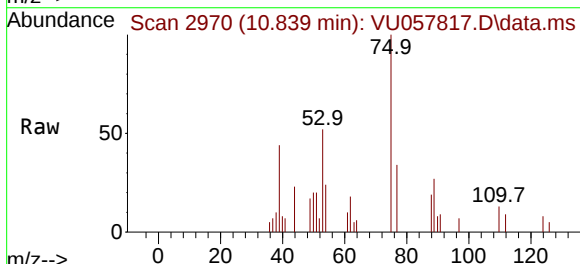
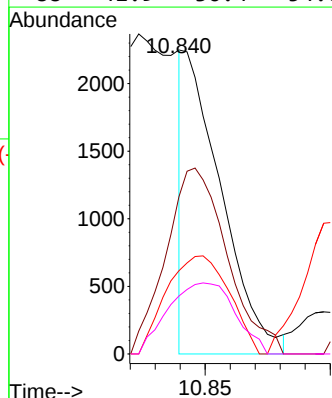
RT: 10.839 min Scan# 2970

Delta R.T. 0.003 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Tgt Ion: 75	Resp: 2343
Ion Ratio	Lower Upper
75 100	
53 99.7	73.3 109.9
89 54.2	48.2 72.4
88 41.9	36.4 54.6





#47

Methyl methacrylate

Concen: 0.956 ug/l

RT: 6.968 min Scan# 1766

Delta R.T. 0.007 min

Lab File: VU057817.D

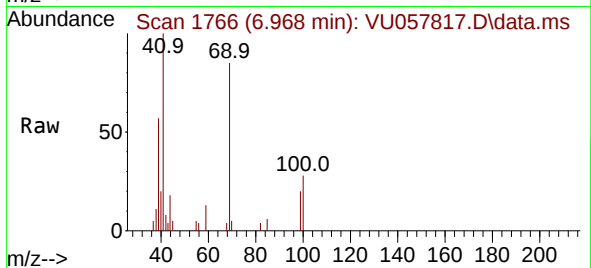
Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2024



Tgt Ion: 69 Resp: 5374

Ion Ratio Lower Upper

69 100

41 125.6 0.0 209.2

39 67.7 46.7 70.1

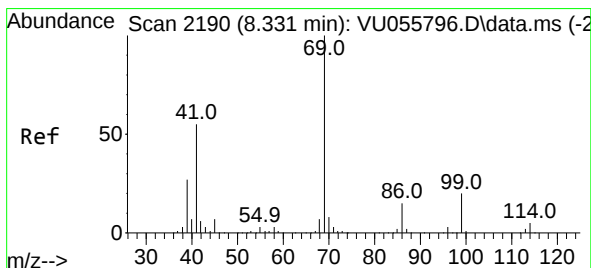
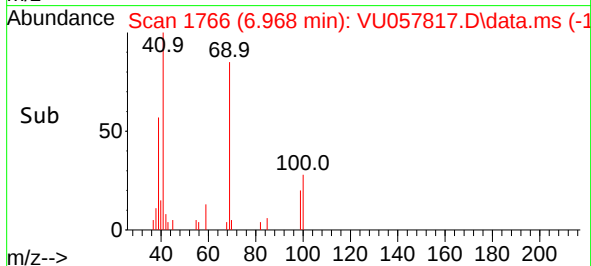
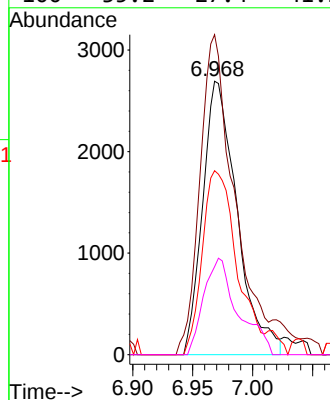
100 35.2 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#48

Ethyl methacrylate

Concen: 0.499 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.003 min

Lab File: VU057817.D

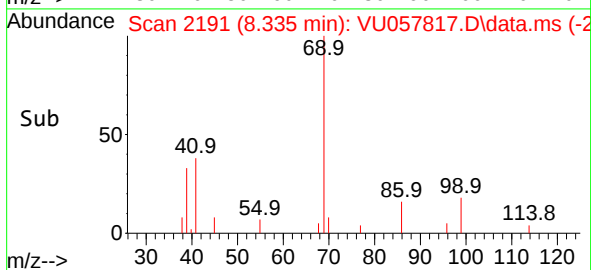
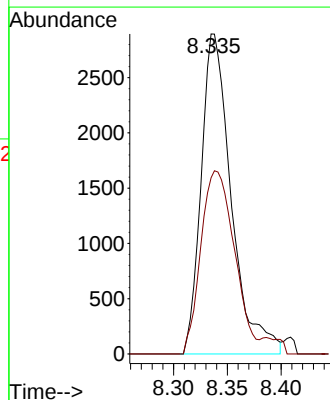
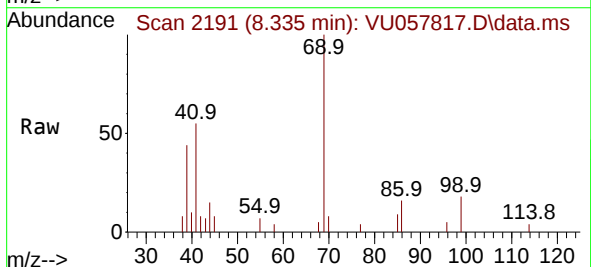
Acq: 06 Feb 2024 12:36

Tgt Ion: 69 Resp: 5634

Ion Ratio Lower Upper

69 100

41 63.8 30.3 90.8





#49

Toluene

Concen: 0.507 ug/l

RT: 7.965 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2024

Tgt Ion: 92 Resp: 1548

Ion Ratio Lower Upper

92 100

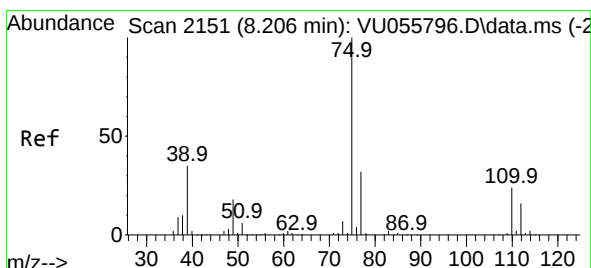
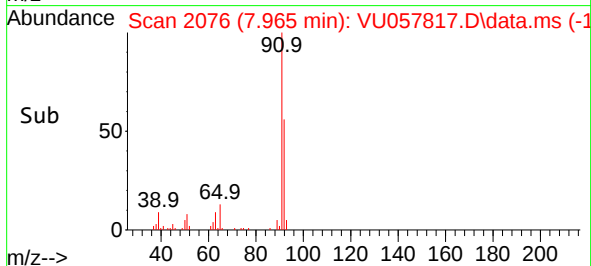
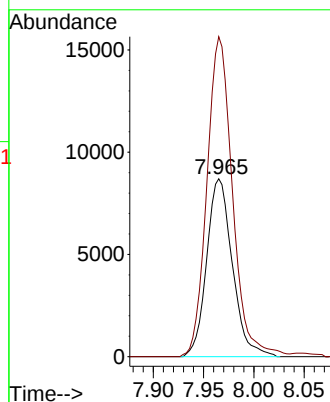
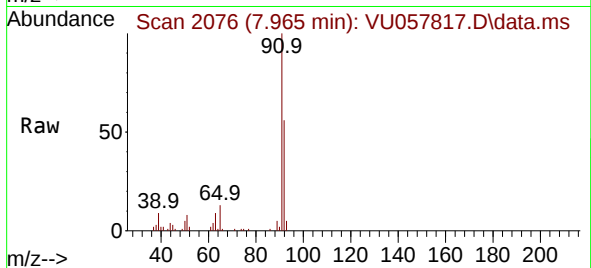
91 179.1 143.0 214.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#50

t-1,3-Dichloropropene

Concen: 0.470 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU057817.D

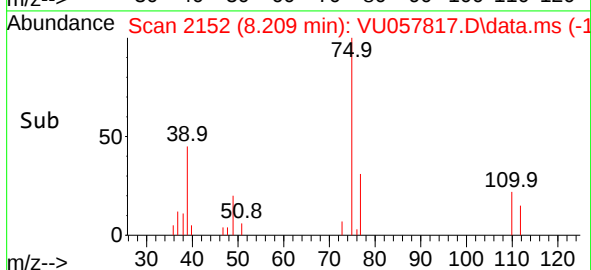
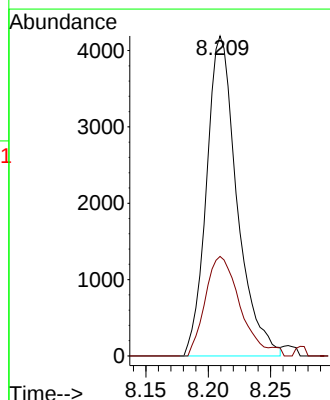
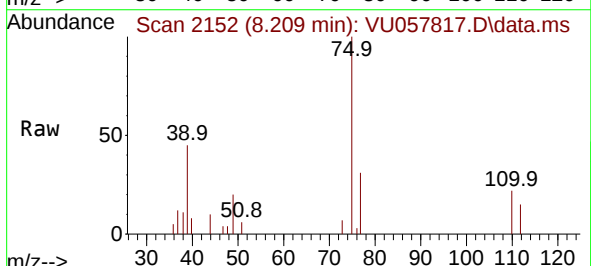
Acq: 06 Feb 2024 12:36

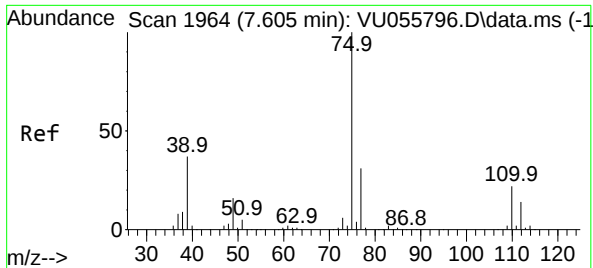
Tgt Ion: 75 Resp: 7129

Ion Ratio Lower Upper

75 100

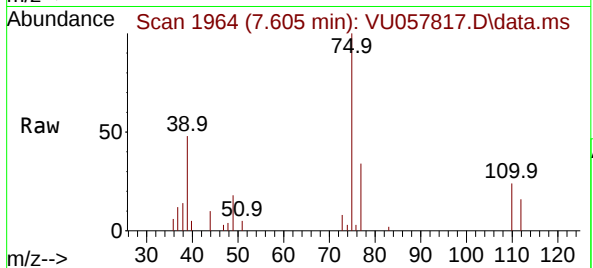
77 31.1 25.3 37.9





#51
 cis-1,3-Dichloropropene
 Concen: 0.488 ug/l
 RT: 7.605 min Scan# 1964
 Delta R.T. 0.003 min
 Lab File: VU057817.D
 Acq: 06 Feb 2024 12:36

Instrument : MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2024

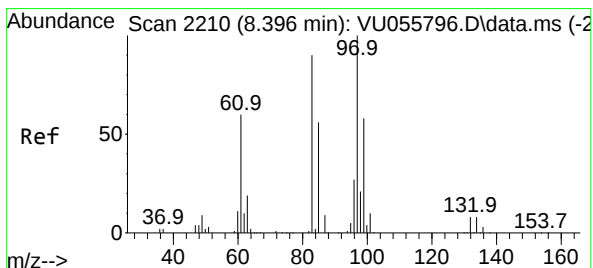
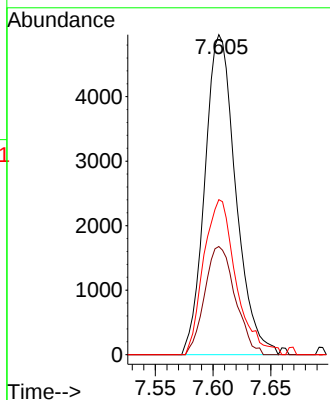
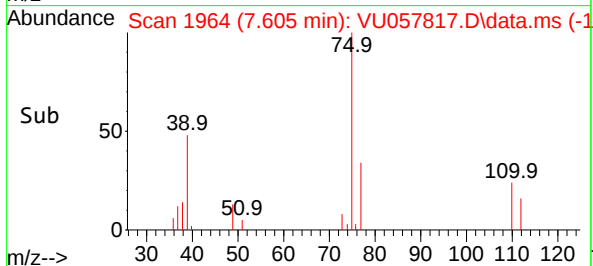


Tgt Ion: 75 Resp: 9230

Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.7	38.5
39	48.5	32.8	49.2

Manual Integrations
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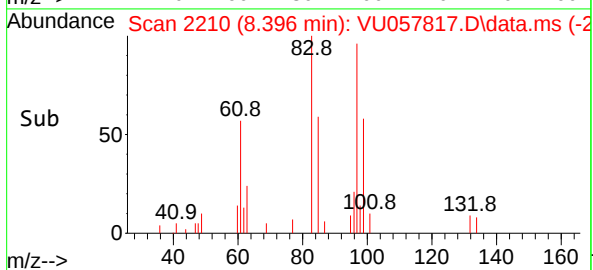
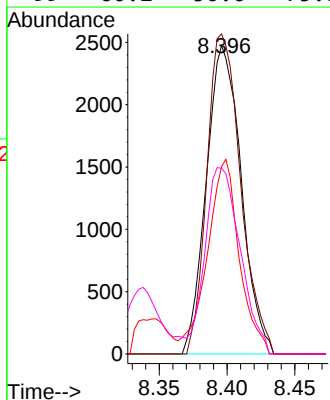
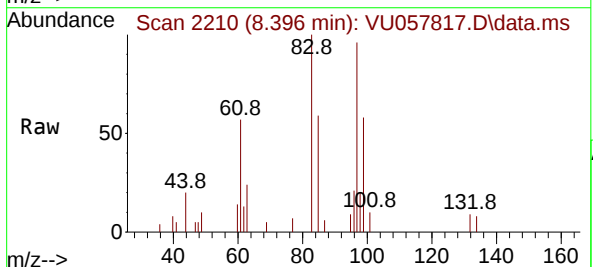
Reviewed By :John Carlone 02/14/2024
 Supervised By :Mahesh Dadoda 02/14/2024

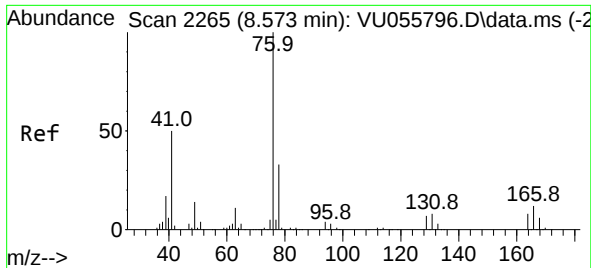


#52
 1,1,2-Trichloroethane
 Concen: 0.524 ug/l
 RT: 8.396 min Scan# 2210
 Delta R.T. 0.000 min
 Lab File: VU057817.D
 Acq: 06 Feb 2024 12:36

Tgt Ion: 97 Resp: 4425

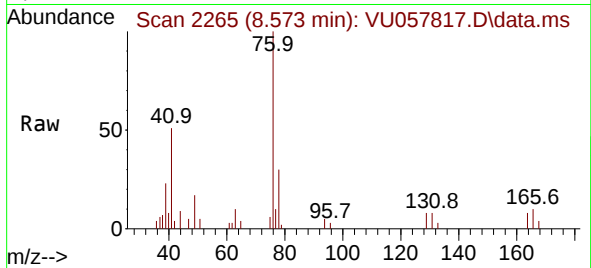
Ion	Ratio	Lower	Upper
97	100		
83	103.7	71.8	107.8
85	60.7	45.2	67.8
99	60.2	50.6	75.8





#53
1,3-Dichloropropane
Concen: 0.539 ug/l
RT: 8.573 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

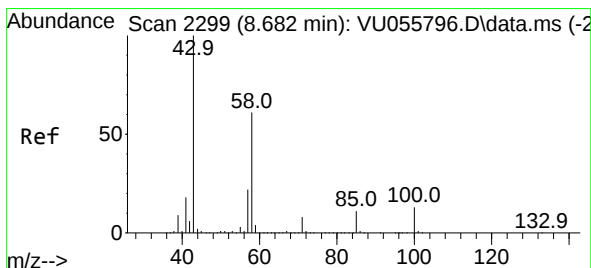
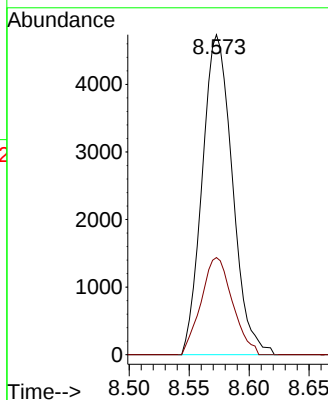
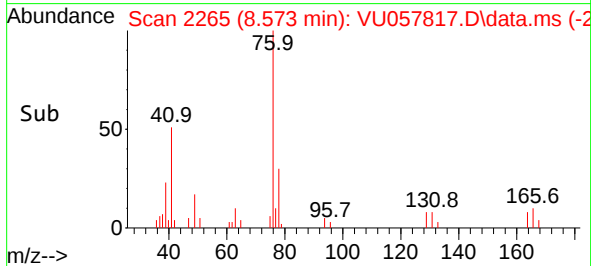
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024



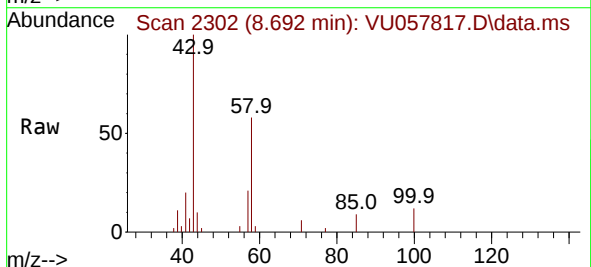
Tgt Ion: 76 Resp: 8250
Ion Ratio Lower Upper
76 100
78 31.7 25.9 38.9

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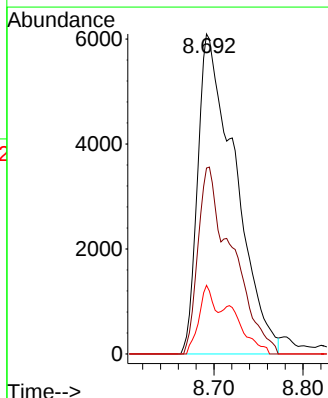
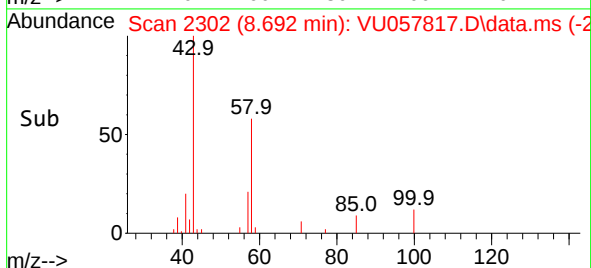
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#54
2-Hexanone
Concen: 2.663 ug/l
RT: 8.692 min Scan# 2302
Delta R.T. 0.007 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36



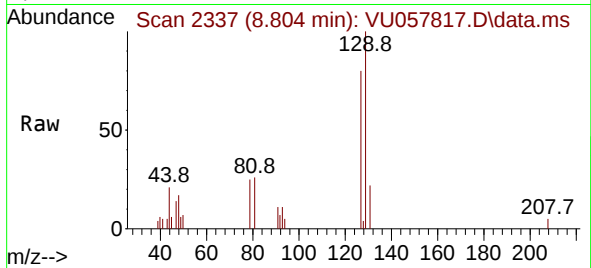
Tgt Ion: 43 Resp: 17683
Ion Ratio Lower Upper
43 100
58 53.8 38.2 78.2
57 9.3 0.0 39.1





#55
Dibromochloromethane
Concen: 0.475 ug/l
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

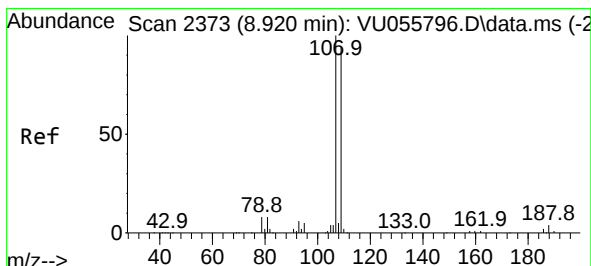
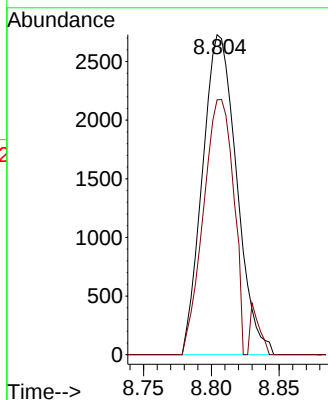
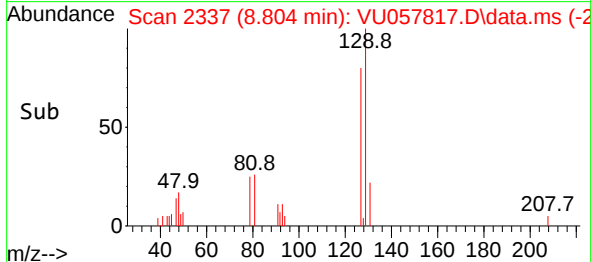
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024



Tgt Ion:129 Resp: 4789
Ion Ratio Lower Upper
129 100
127 69.9 61.4 92.0

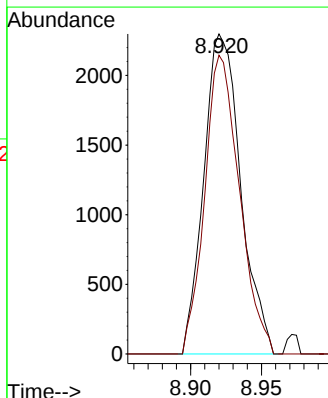
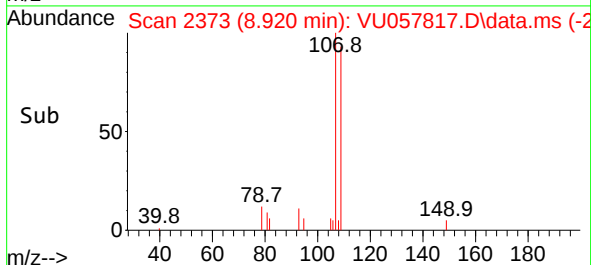
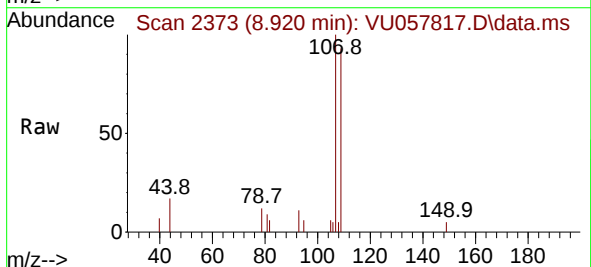
Manual Integrations
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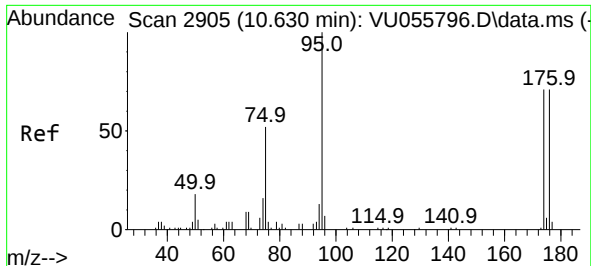
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#56
1,2-Dibromoethane
Concen: 0.527 ug/l
RT: 8.920 min Scan# 2373
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

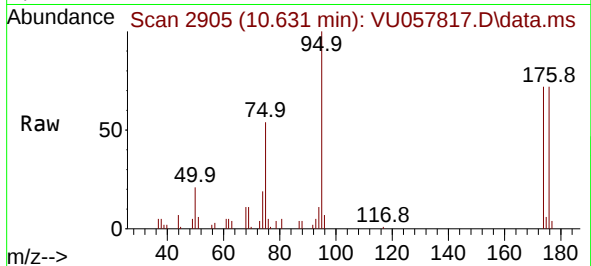
Tgt Ion:107 Resp: 4165
Ion Ratio Lower Upper
107 100
109 87.9 0.0 184.4





#57
4-Bromofluorobenzene
Concen: 0.911 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

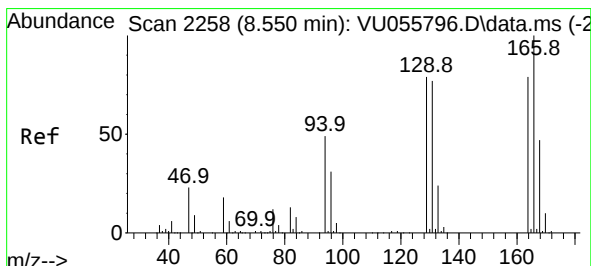
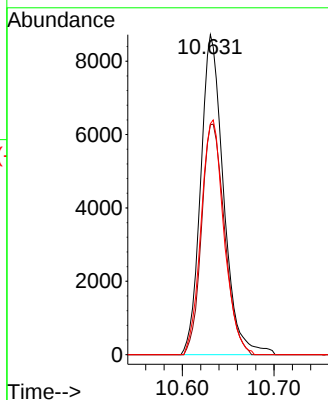
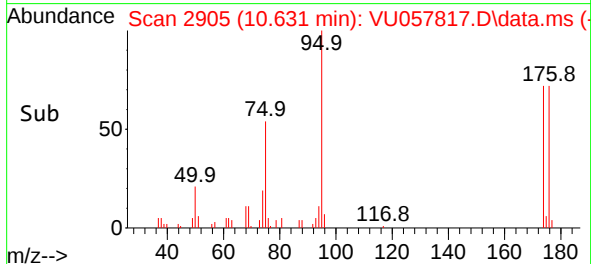
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024



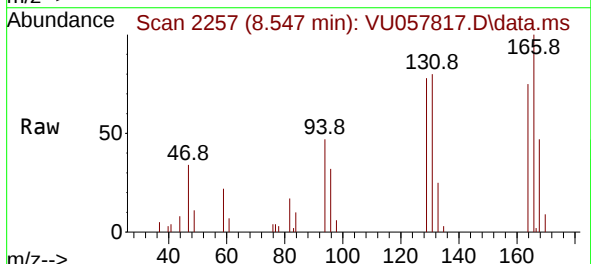
Tgt Ion: 95 Resp: 15130
Ion Ratio Lower Upper
95 100
174 72.3 63.3 94.9
176 73.5 59.3 88.9

Manual Integrations
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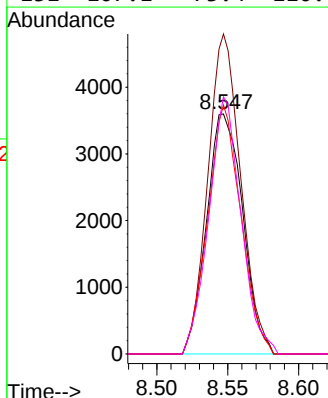
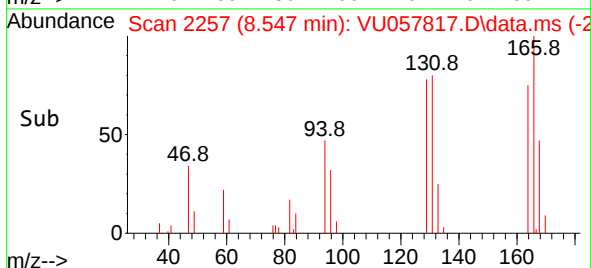
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#58
Tetrachloroethene
Concen: 0.565 ug/l
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36



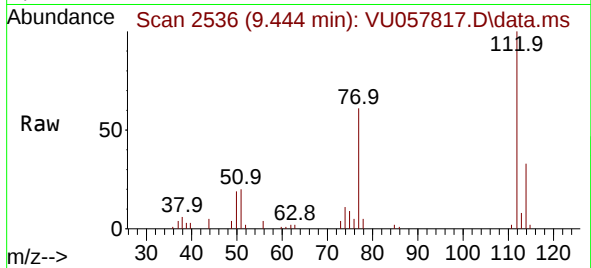
Tgt Ion:164 Resp: 6375
Ion Ratio Lower Upper
164 100
166 133.4 99.6 149.4
129 103.8 78.6 117.8
131 107.1 73.4 110.0





#59
Chlorobenzene
Concen: 0.501 ug/l
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

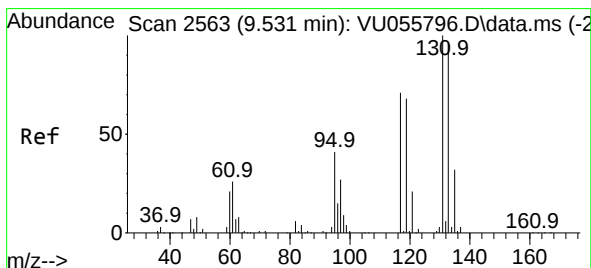
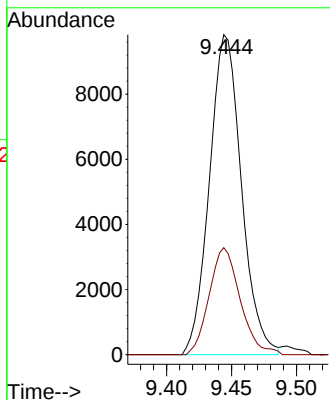
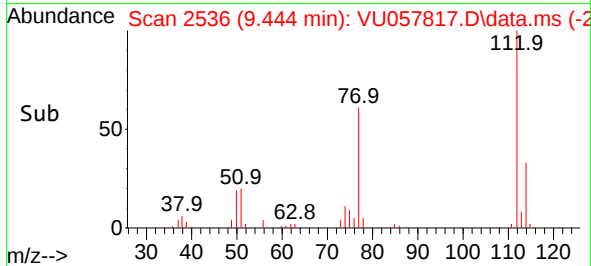
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024



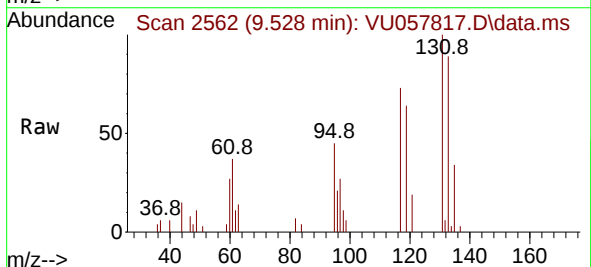
Tgt Ion:112 Resp: 1683
Ion Ratio Lower Upper
112 100
114 33.4 25.6 38.4

Manual Integrations
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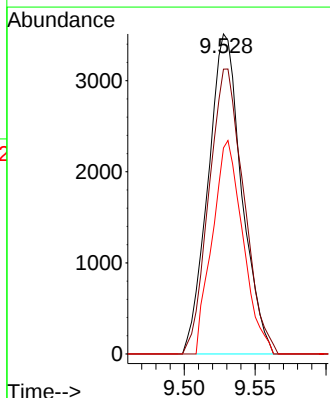
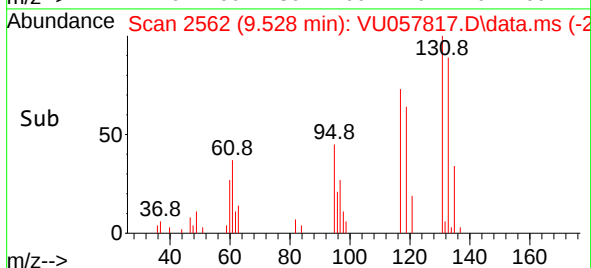
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

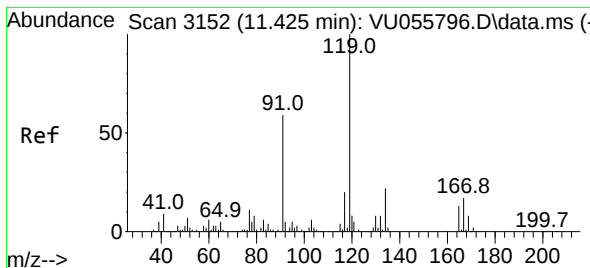


#60
1,1,1,2-Tetrachloroethane
Concen: 0.503 ug/l
RT: 9.528 min Scan# 2562
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36



Tgt Ion:131 Resp: 5789
Ion Ratio Lower Upper
131 100
133 92.6 77.8 116.6
119 60.9 55.2 82.8





#61

Pentachloroethane

Concen: 0.496 ug/l

RT: 11.425 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2024

Tgt Ion:117 Resp: 421

Ion Ratio Lower Upper

117 100

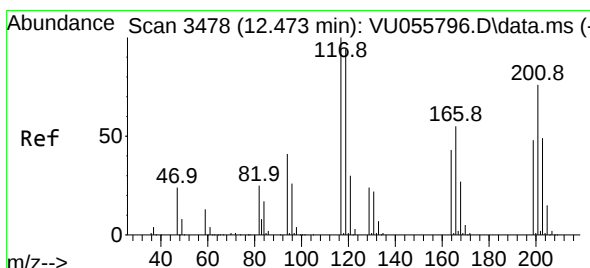
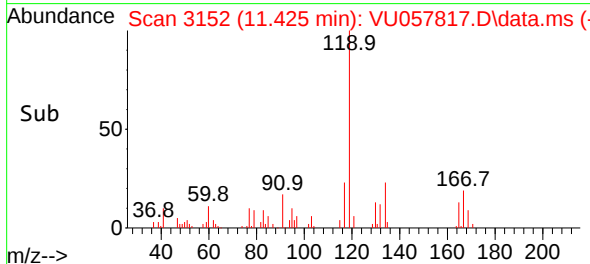
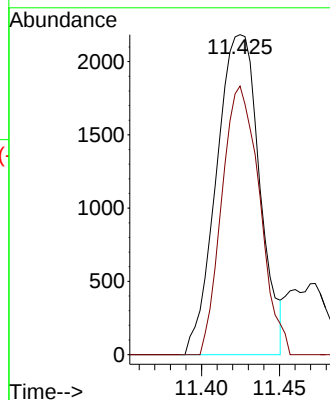
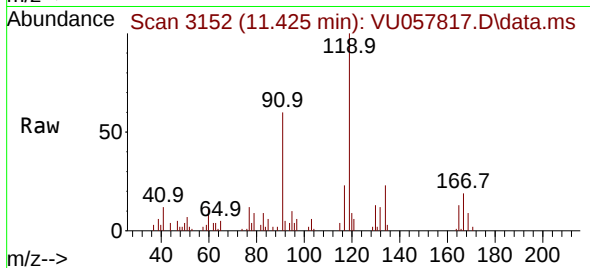
167 73.2 56.7 85.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#62

Hexachloroethane

Concen: 0.474 ug/l

RT: 12.470 min Scan# 3477

Delta R.T. -0.003 min

Lab File: VU057817.D

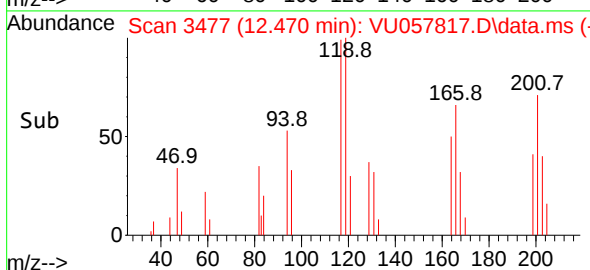
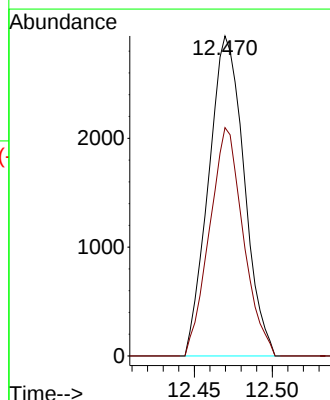
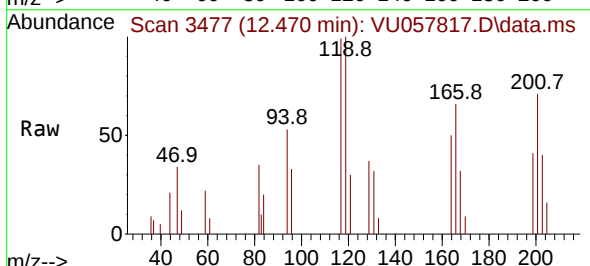
Acq: 06 Feb 2024 12:36

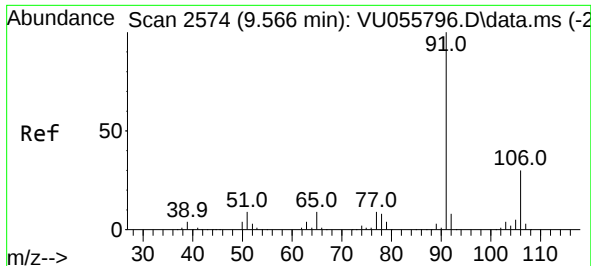
Tgt Ion:117 Resp: 4660

Ion Ratio Lower Upper

117 100

201 68.0 59.6 89.4





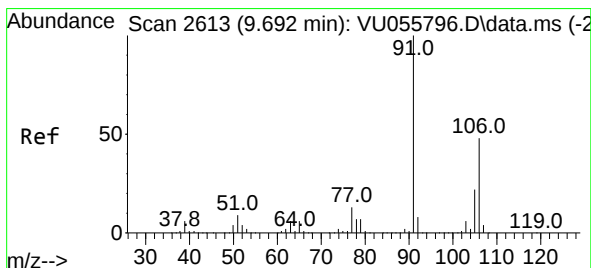
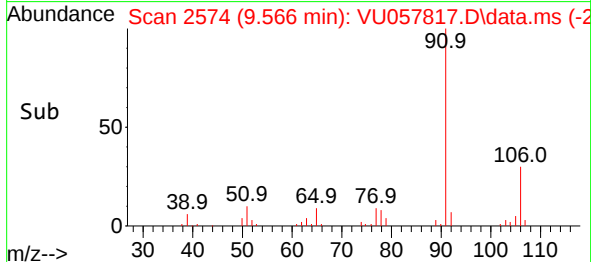
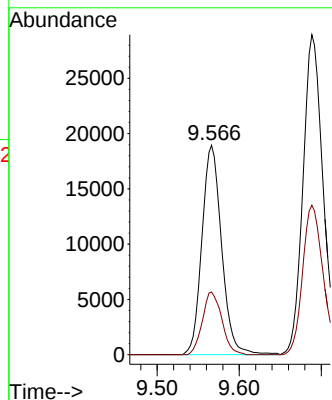
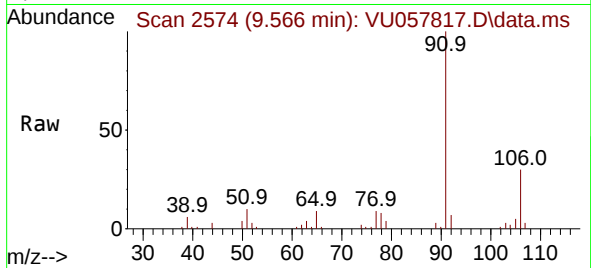
#63
Ethyl Benzene
Concen: 0.523 ug/l
RT: 9.566 min Scan# 2159
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024

Tgt Ion: 91 Resp: 3159
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.2

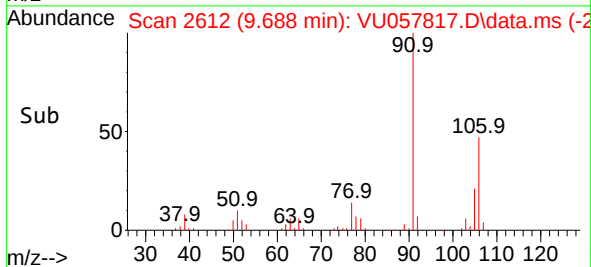
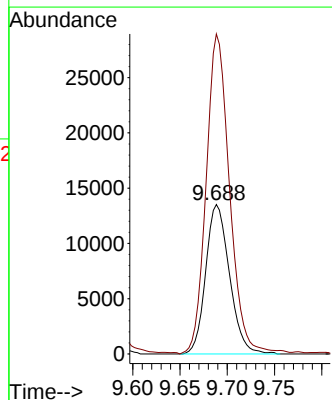
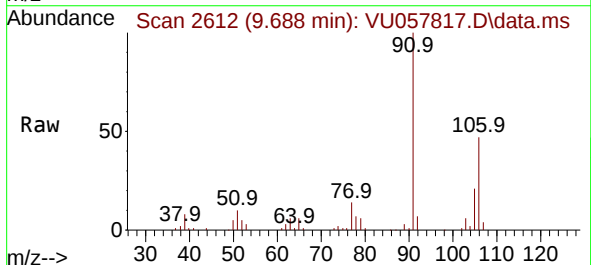
Manual Integrations
APPROVED

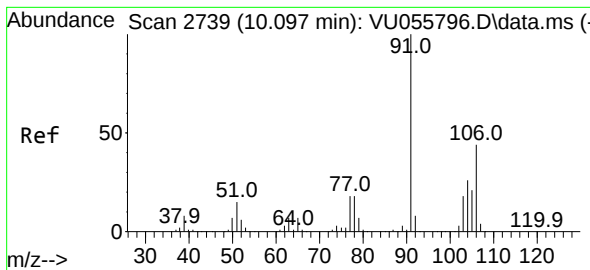
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#64
m/p-Xylenes
Concen: 1.069 ug/l
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Tgt Ion:106 Resp: 23681
Ion Ratio Lower Upper
106 100
91 211.0 167.3 250.9





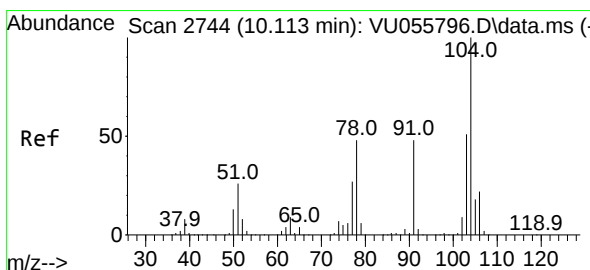
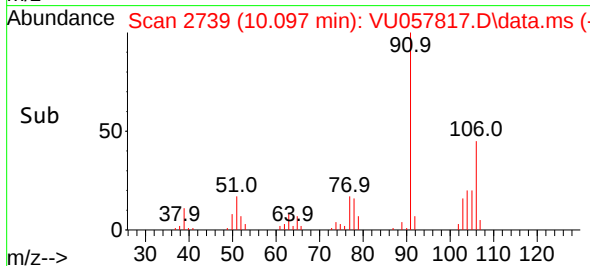
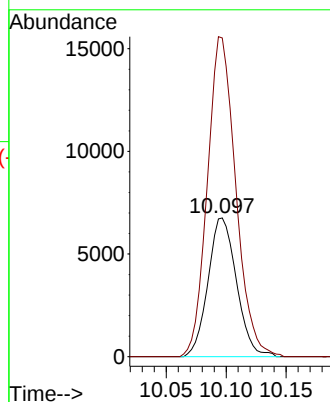
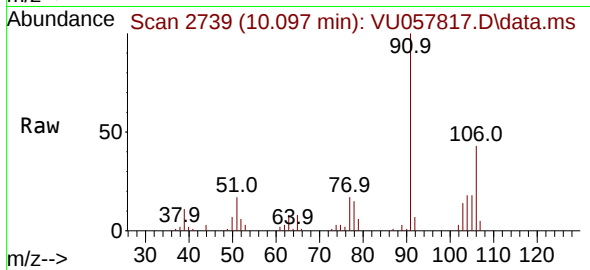
#65
o-Xylene
Concen: 0.508 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024

Tgt Ion:106 Resp: 1116
Ion Ratio Lower Upper
106 100
91 230.0 109.3 327.9

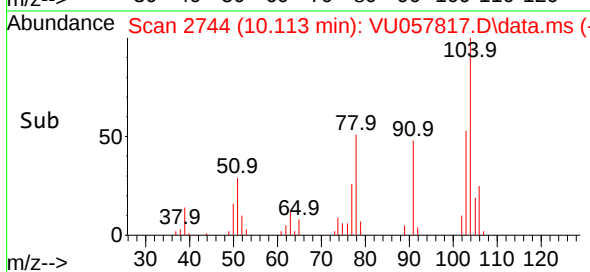
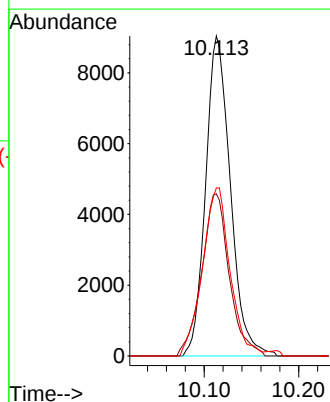
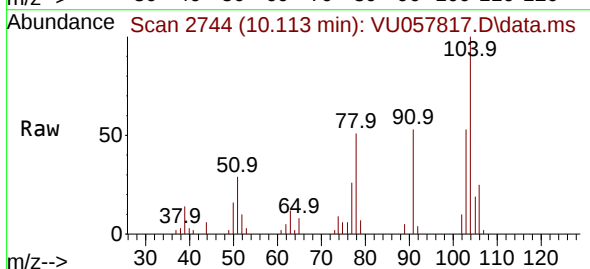
Manual Integrations
APPROVED

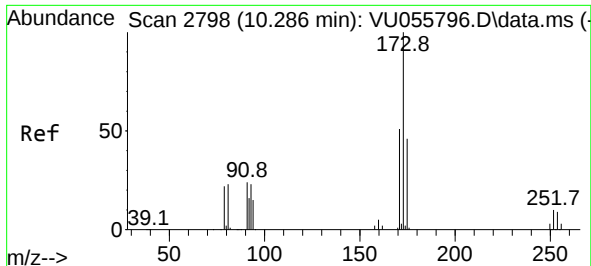
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#66
Styrene
Concen: 0.484 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

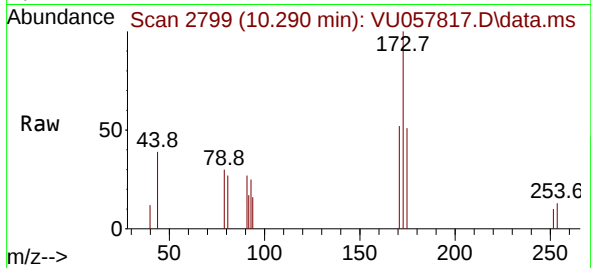
Tgt Ion:104 Resp: 16455
Ion Ratio Lower Upper
104 100
78 56.4 39.7 59.5
103 58.5 44.8 67.2





#67
Bromoform
Concen: 0.489 ug/l
RT: 10.290 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

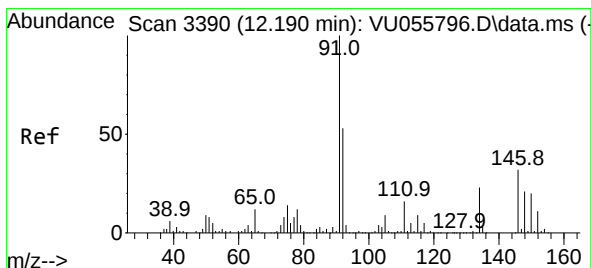
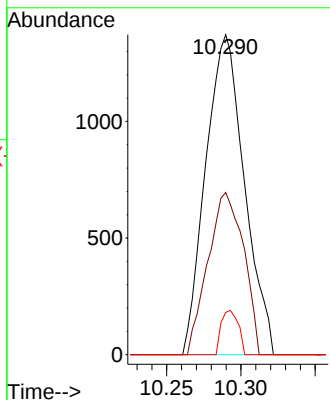
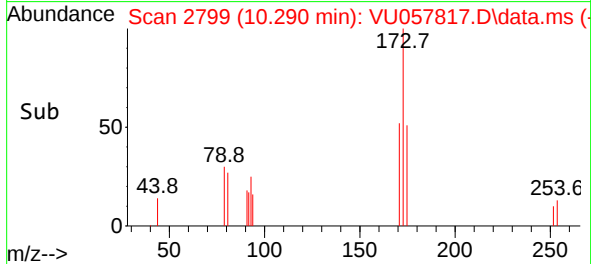
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024



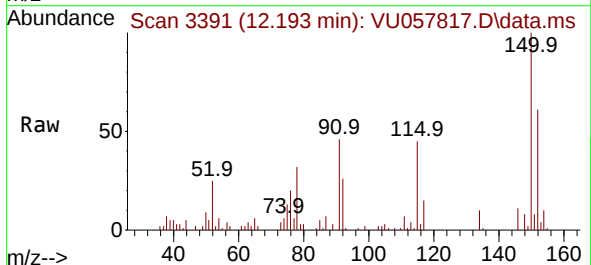
Tgt Ion:173 Resp: 248
Ion Ratio Lower Upper
173 100
175 46.8 39.0 58.6
254 6.1 7.4 11.0

Manual Integrations
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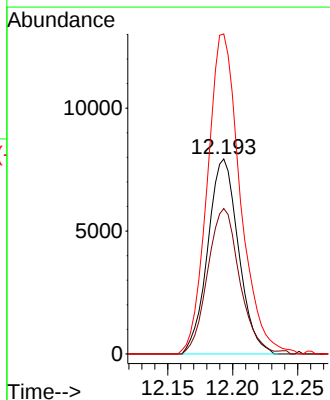
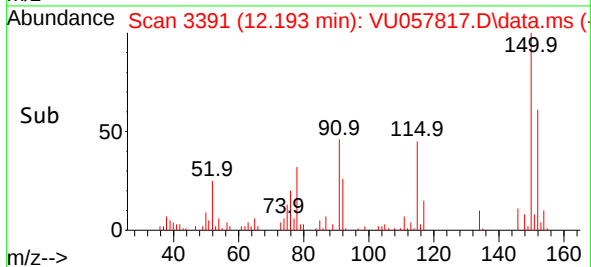
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

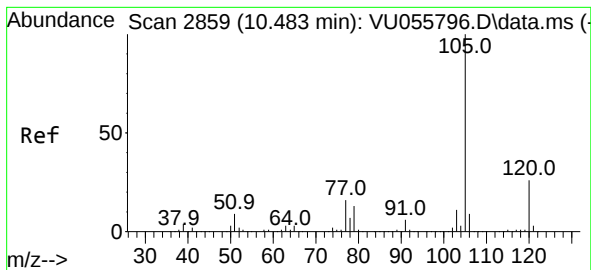


#68
1,2-Dichlorobenzene-d4
Concen: 0.888 ug/l
RT: 12.193 min Scan# 3391
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36



Tgt Ion:152 Resp: 13043
Ion Ratio Lower Upper
152 100
115 78.1 0.0 308.8
150 175.1 0.0 635.0





#69

Isopropylbenzene

Concen: 0.487 ug/l

RT: 10.479 min Scan# 2859

Delta R.T. 0.000 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2024

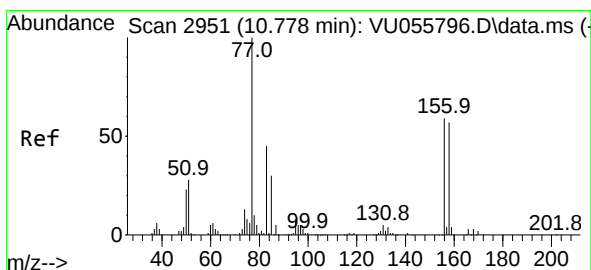
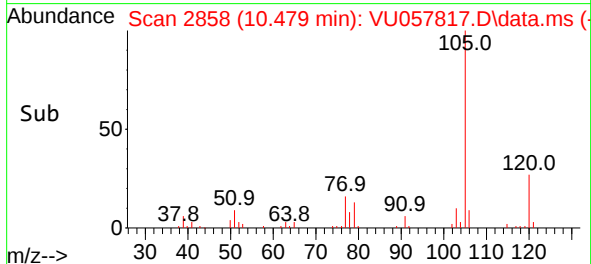
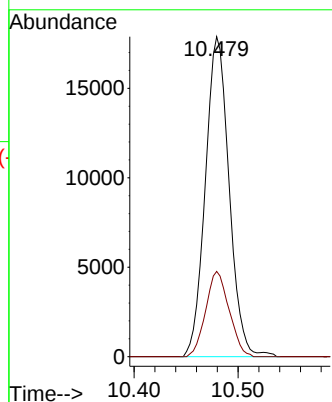
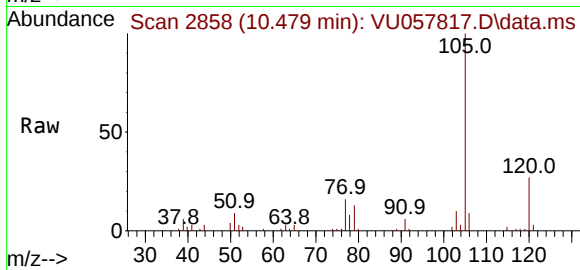
Tgt Ion: 105 Resp: 28419
 Ion Ratio Lower Upper
 105 100
 120 26.2 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#70

1,1,2,2-Tetrachloroethane

Concen: 0.517 ug/l

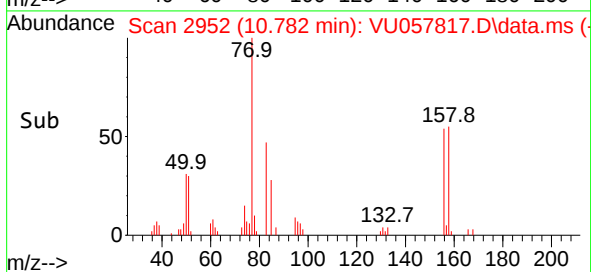
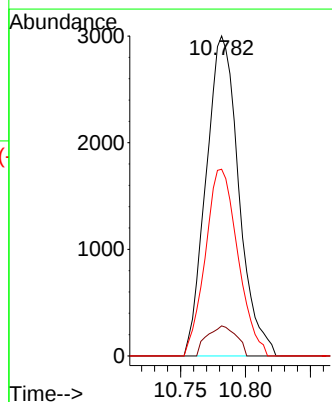
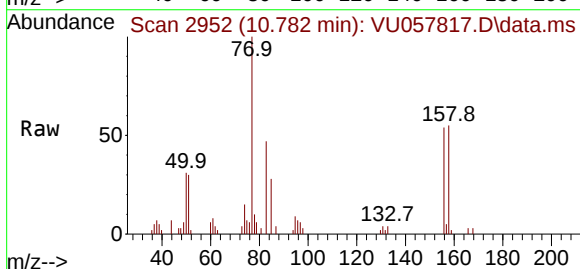
RT: 10.782 min Scan# 2952

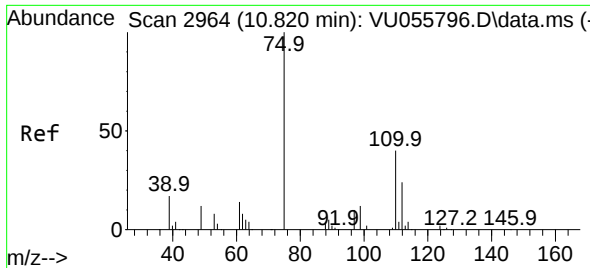
Delta R.T. 0.000 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

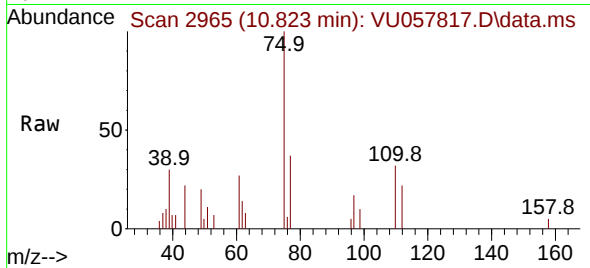
Tgt Ion: 83 Resp: 5255
 Ion Ratio Lower Upper
 83 100
 131 8.4 7.2 10.8
 85 58.1 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 0.499 ug/l m
RT: 10.823 min Scan# 2965
Delta R.T. -0.010 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024

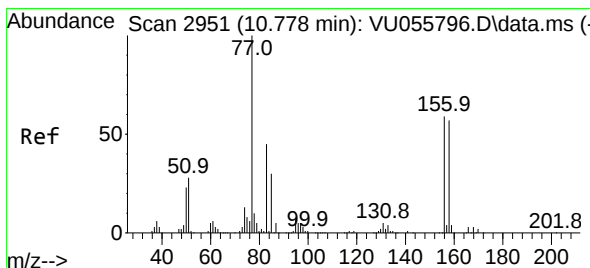
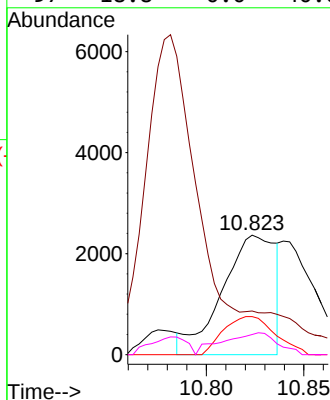
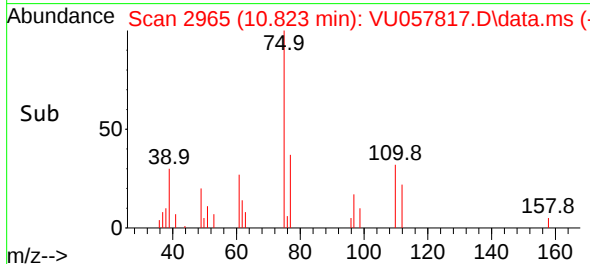


Tgt Ion: 75 Resp: 448

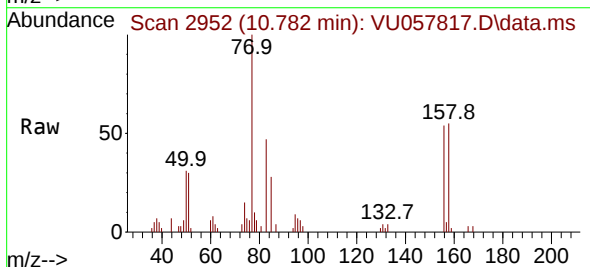
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	116.4
110	31.0	0.0	74.6
97	18.8	0.0	40.0

Manual Integrations
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Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

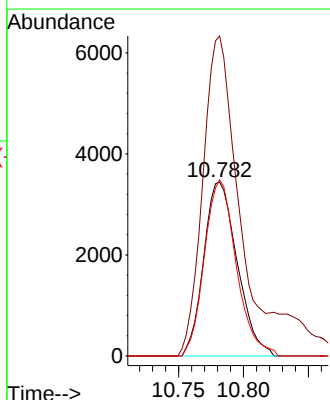
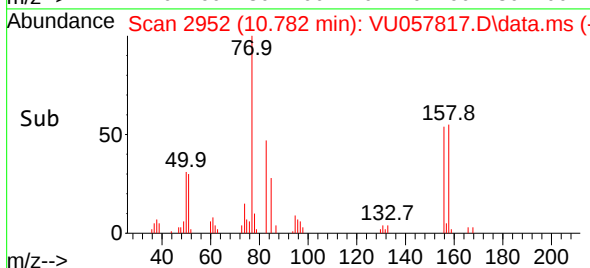


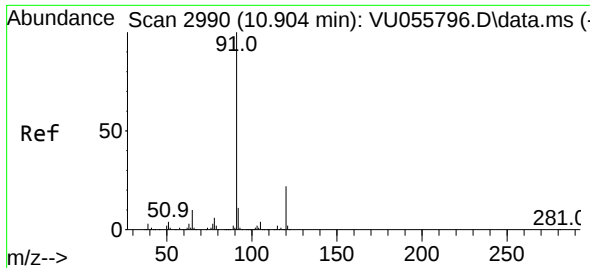
#72
Bromobenzene
Concen: 0.494 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36



Tgt Ion:156 Resp: 6176

Ion	Ratio	Lower	Upper
156	100		
77	218.8	0.0	343.0
158	96.3	0.0	194.8





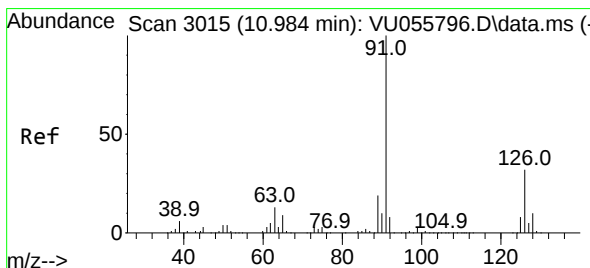
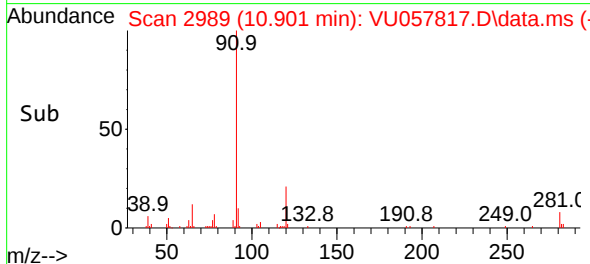
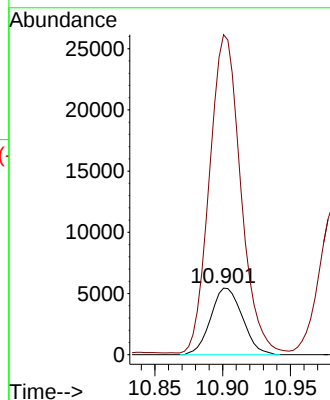
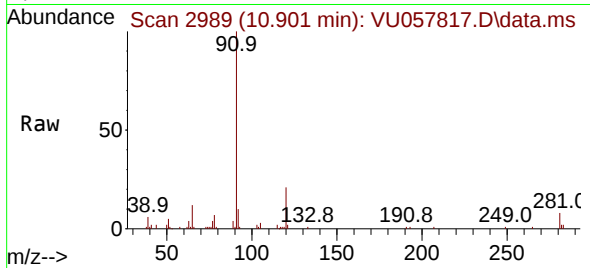
#73
n-propylbenzene
Concen: 0.580 ug/l
RT: 10.901 min Scan# 2990
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024

Tgt Ion:120 Resp: 883
Ion Ratio Lower Upper
120 100
91 471.3 369.8 554.6

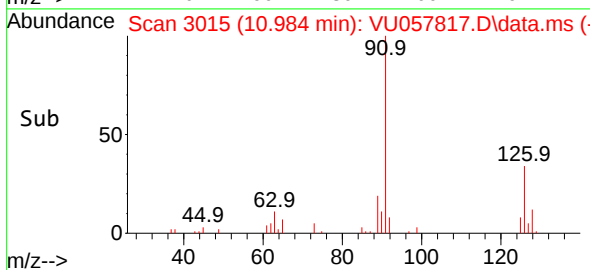
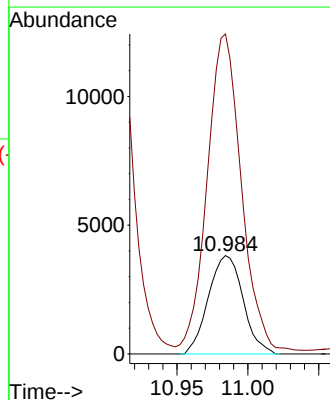
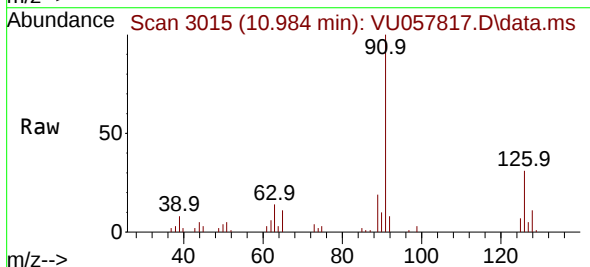
Manual Integrations
APPROVED

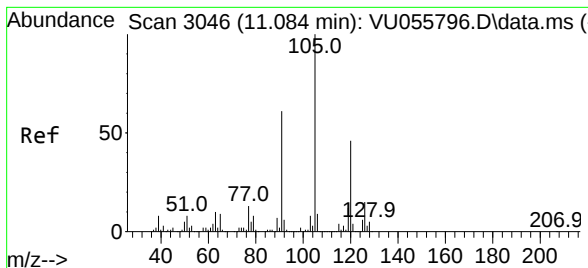
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#74
2-Chlorotoluene
Concen: 0.488 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Tgt Ion:126 Resp: 6496
Ion Ratio Lower Upper
126 100
91 318.9 0.0 610.0





#75

1,3,5-Trimethylbenzene

Concen: 0.486 ug/l

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2024

Tgt Ion:105 Resp: 2398

Ion Ratio Lower Upper

105 100

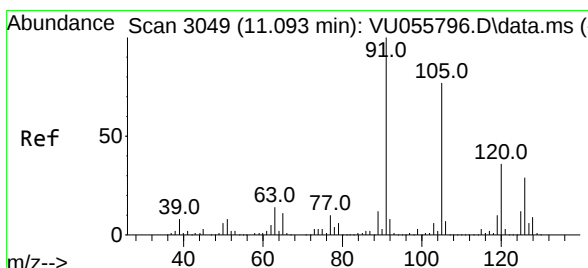
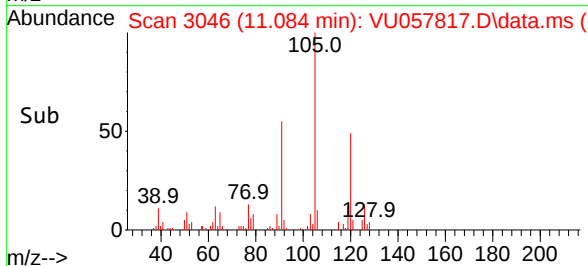
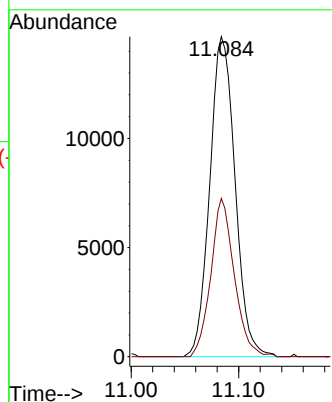
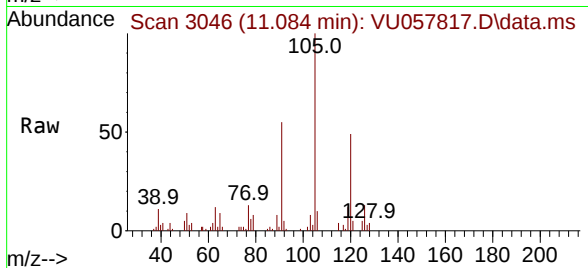
120 45.9 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#76

4-Chlorotoluene

Concen: 0.505 ug/l

RT: 11.097 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VU057817.D

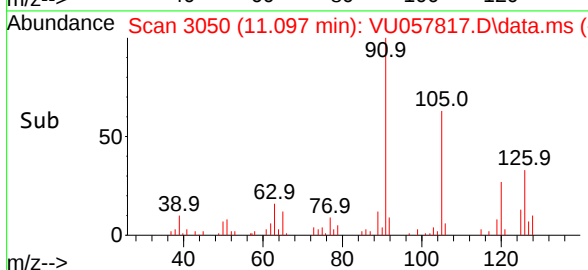
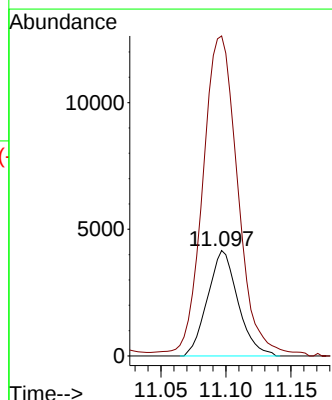
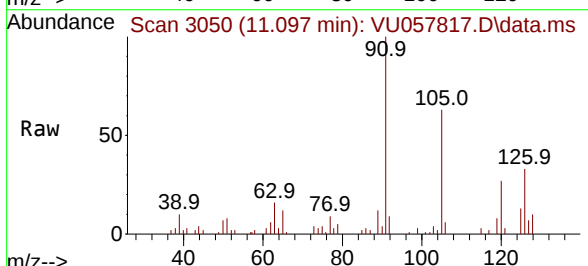
Acq: 06 Feb 2024 12:36

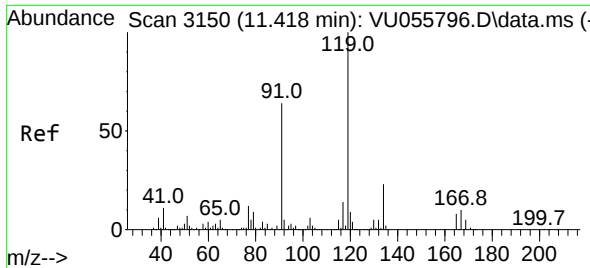
Tgt Ion:126 Resp: 6772

Ion Ratio Lower Upper

126 100

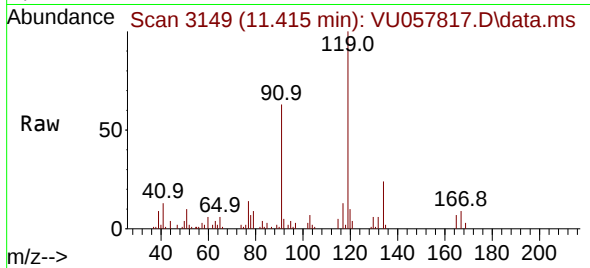
91 350.1 0.0 686.2





#77
tert-Butylbenzene
Concen: 0.500 ug/l
RT: 11.415 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

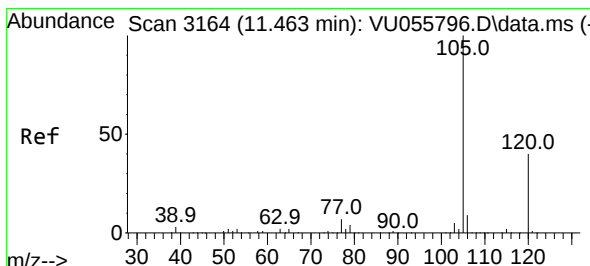
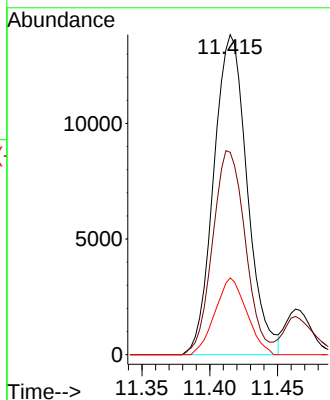
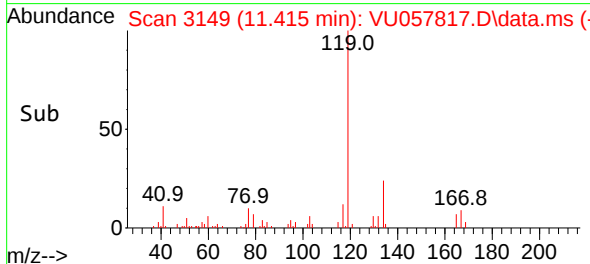
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024



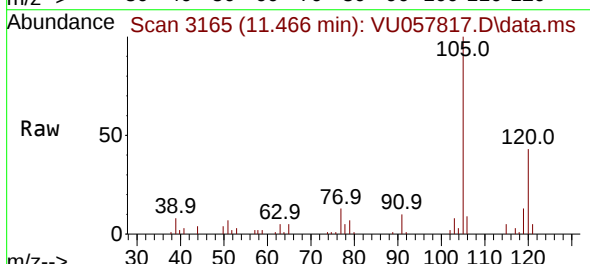
Tgt Ion:119 Resp: 2379
Ion Ratio Lower Upper
119 100
91 62.1 30.8 92.4
134 22.7 18.0 27.0

Manual Integrations
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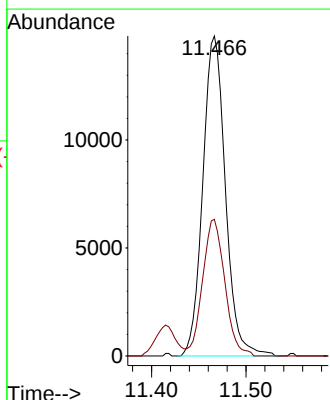
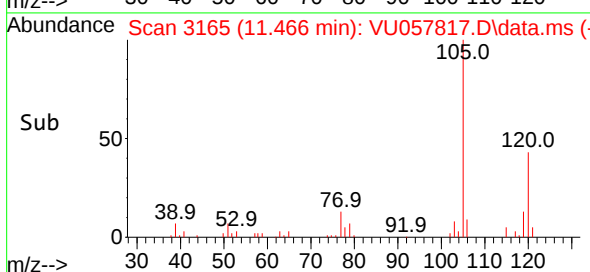
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

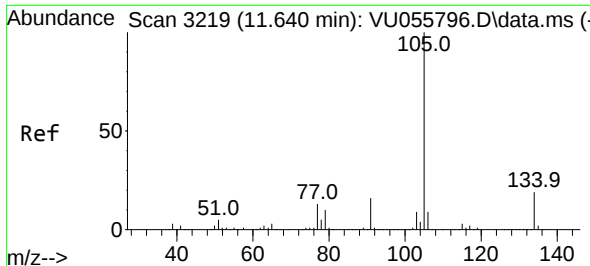


#78
1,2,4-Trimethylbenzene
Concen: 0.494 ug/l
RT: 11.466 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36



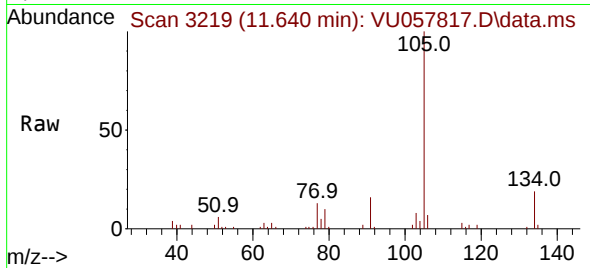
Tgt Ion:105 Resp: 24645
Ion Ratio Lower Upper
105 100
120 42.1 21.9 65.8





#79
 sec-Butylbenzene
 Concen: 0.486 ug/l
 RT: 11.640 min Scan# 3219
 Delta R.T. 0.000 min
 Lab File: VU057817.D
 Acq: 06 Feb 2024 12:36

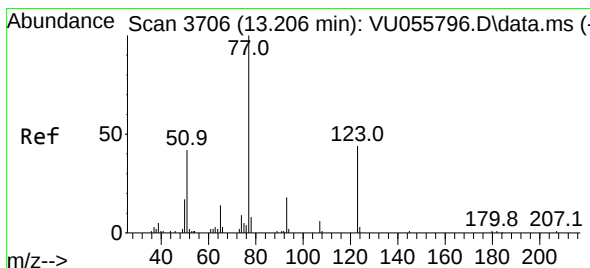
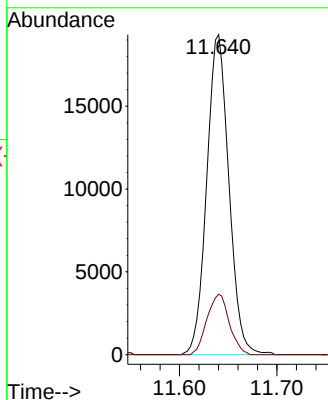
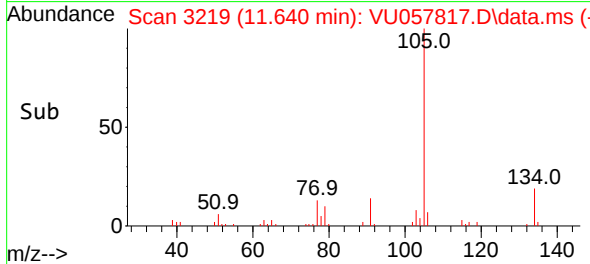
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2024



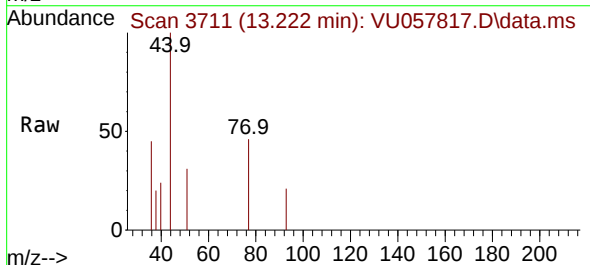
Tgt Ion:105 Resp: 30490
 Ion Ratio Lower Upper
 105 100
 134 19.0 14.9 22.3

Manual Integrations
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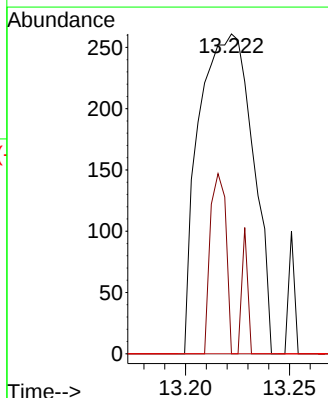
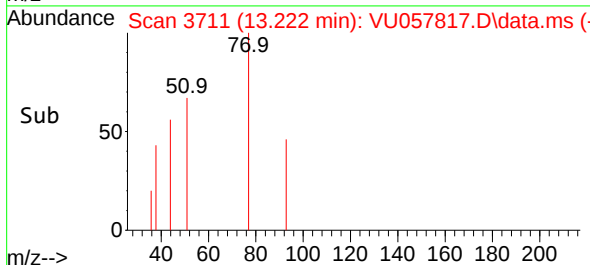
Reviewed By :John Carlone 02/14/2024
 Supervised By :Mahesh Dadoda 02/14/2024

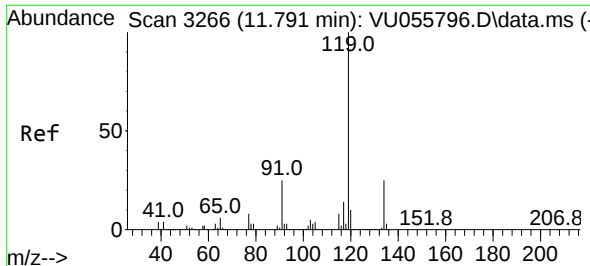


#80
 Nitrobenzene
 Concen: 1.686 ug/l
 RT: 13.222 min Scan# 3711
 Delta R.T. 0.016 min
 Lab File: VU057817.D
 Acq: 06 Feb 2024 12:36



Tgt Ion: 77 Resp: 470
 Ion Ratio Lower Upper
 77 100
 123 4.3 19.7 69.7#
 65 0.0 11.5 14.7#





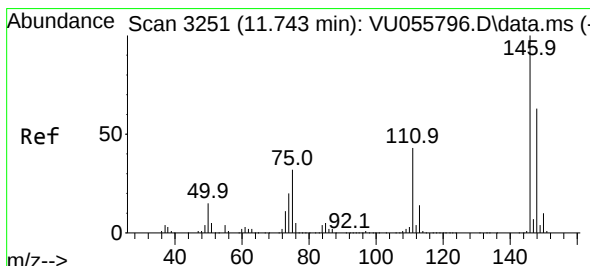
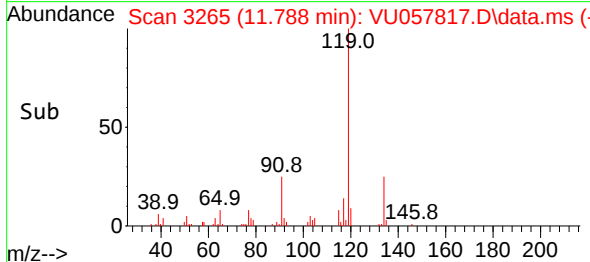
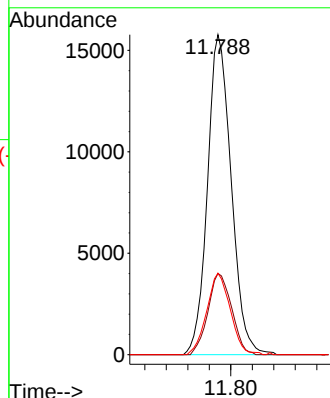
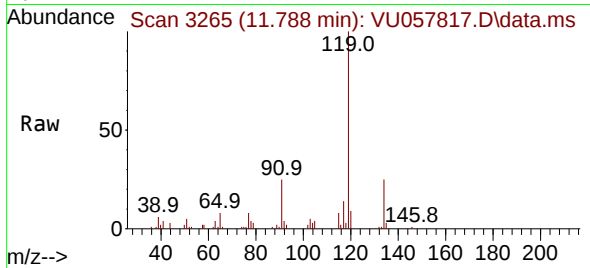
#81
p-Isopropyltoluene
Concen: 0.468 ug/l
RT: 11.788 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024

Tgt Ion:119 Resp: 2415
Ion Ratio Lower Upper
119 100
134 25.3 20.2 30.4
91 25.2 19.3 28.9

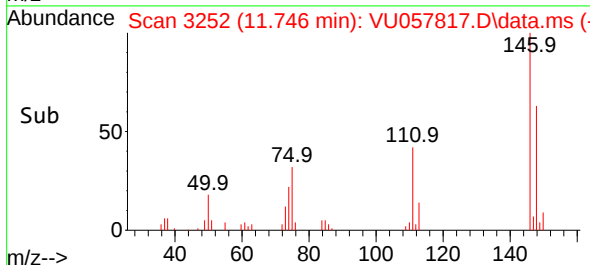
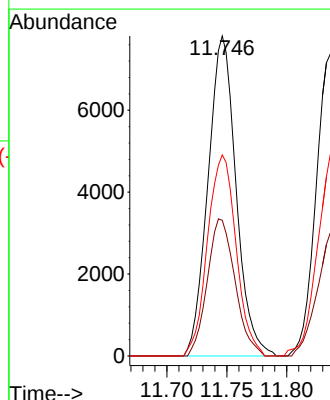
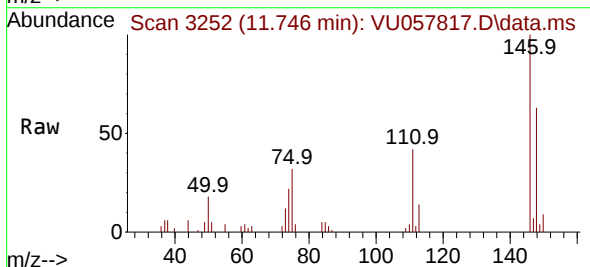
Manual Integrations
APPROVED

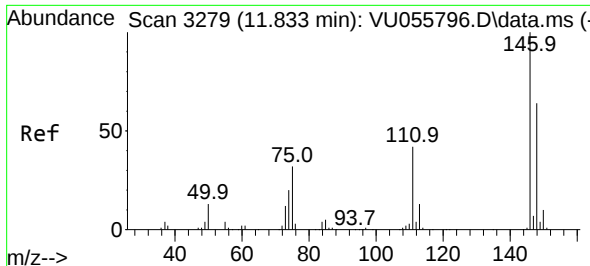
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#82
1,3-Dichlorobenzene
Concen: 0.508 ug/l
RT: 11.746 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

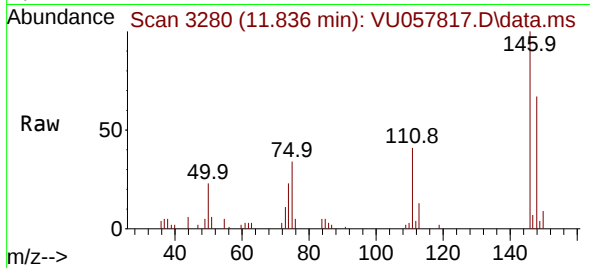
Tgt Ion:146 Resp: 12707
Ion Ratio Lower Upper
146 100
111 42.4 32.6 49.0
148 64.0 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 0.515 ug/l
RT: 11.836 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

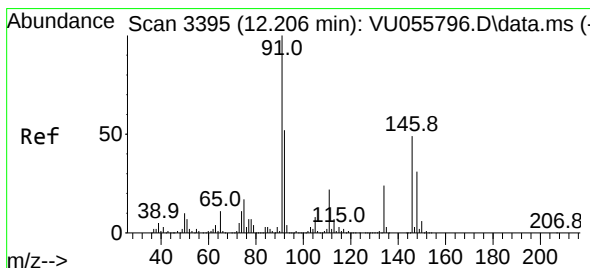
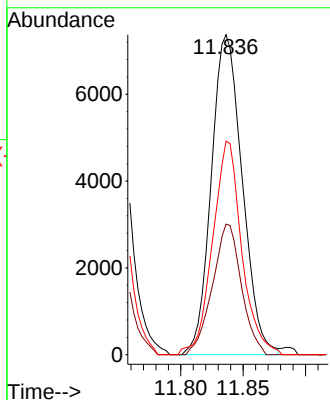
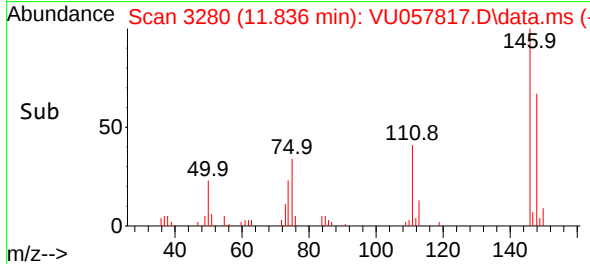
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT1-2024



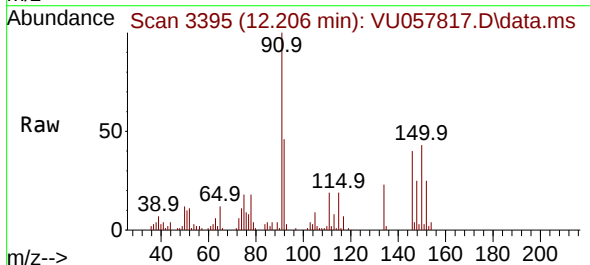
Tgt Ion:146 Resp: 1275
Ion Ratio Lower Upper
146 100
111 38.1 31.6 47.4
148 62.7 50.3 75.5

Manual Integrations
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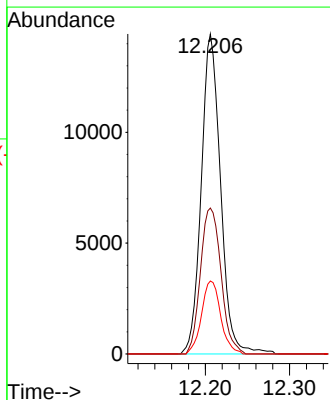
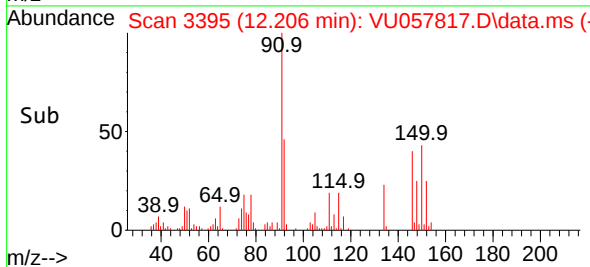
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

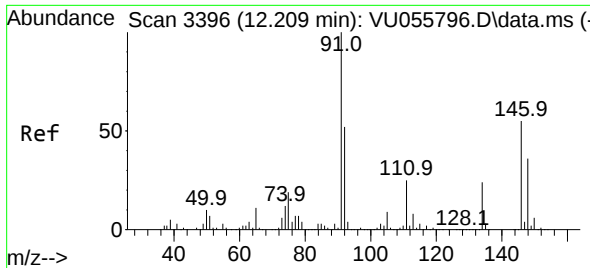


#84
n-Butylbenzene
Concen: 0.468 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36



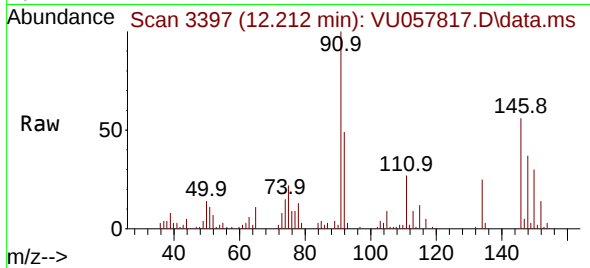
Tgt Ion: 91 Resp: 23047
Ion Ratio Lower Upper
91 100
92 48.6 40.8 61.2
134 22.6 18.4 27.6





#85
1,2-Dichlorobenzene
Concen: 0.495 ug/l
RT: 12.212 min Scan# 3397
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

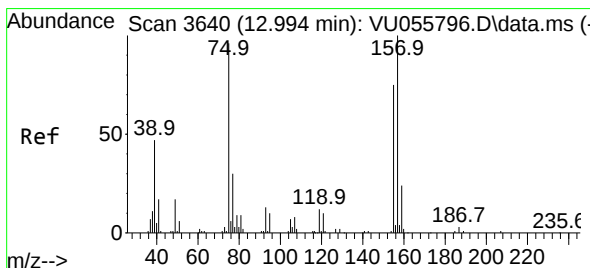
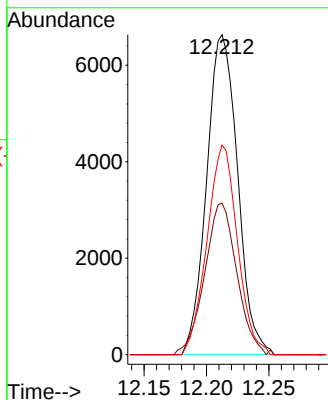
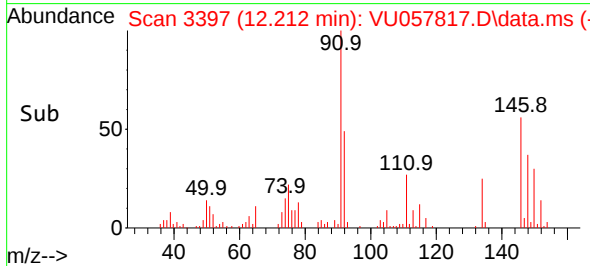
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024



Tgt Ion:146 Resp: 11489
Ion Ratio Lower Upper
146 100
111 49.2 21.6 64.6
148 64.4 32.1 96.5

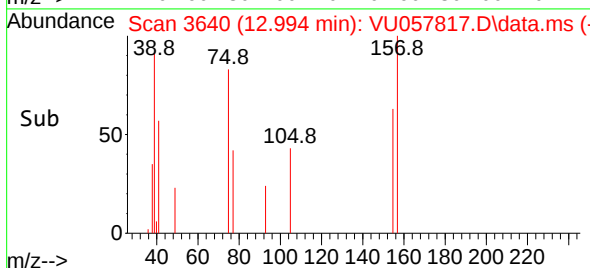
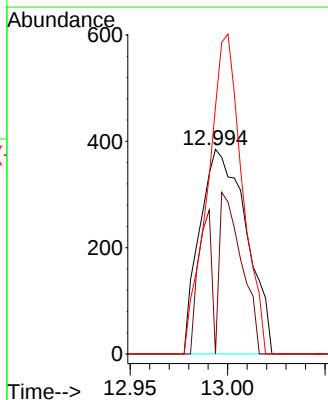
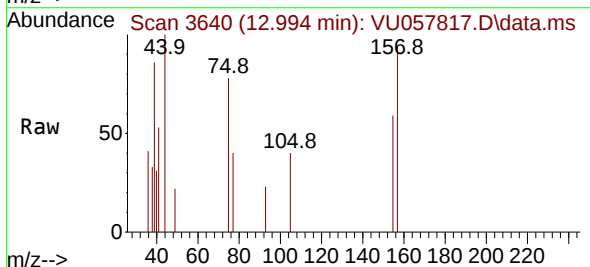
Manual Integrations
APPROVED

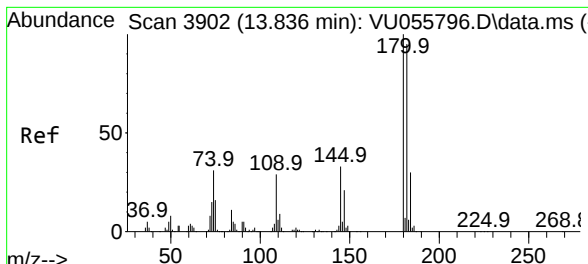
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.377 ug/l
RT: 12.994 min Scan# 3640
Delta R.T. 0.000 min
Lab File: VU057817.D
Acq: 06 Feb 2024 12:36

Tgt Ion: 75 Resp: 640
Ion Ratio Lower Upper
75 100
155 20.0 61.8 92.8#
157 0.0 80.2 120.4#





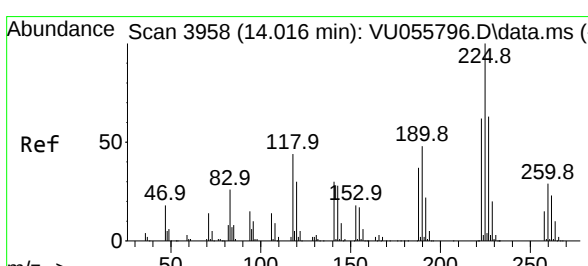
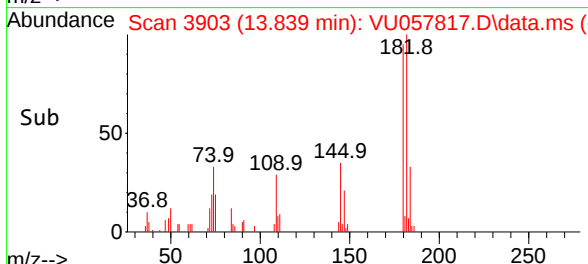
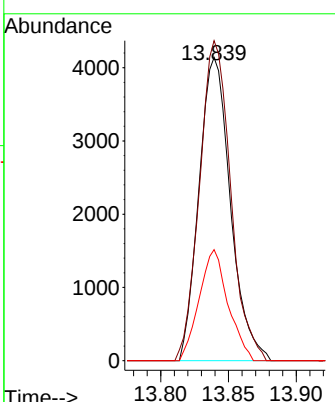
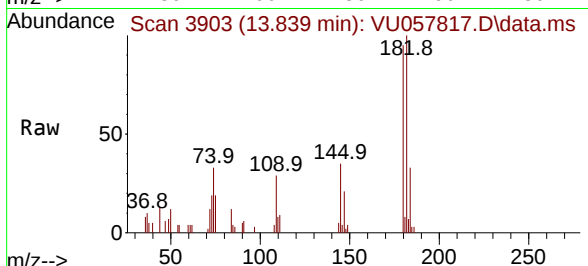
#87
 1,2,4-Trichlorobenzene
 Concen: 0.471 ug/l
 RT: 13.839 min Scan# 3902
 Delta R.T. 0.003 min
 Lab File: VU057817.D
 Acq: 06 Feb 2024 12:36

Instrument : MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2024

Tgt Ion:180	Resp: 668
Ion Ratio	Lower Upper
180 100	
182 104.1	75.8 113.6
145 33.6	23.9 35.9

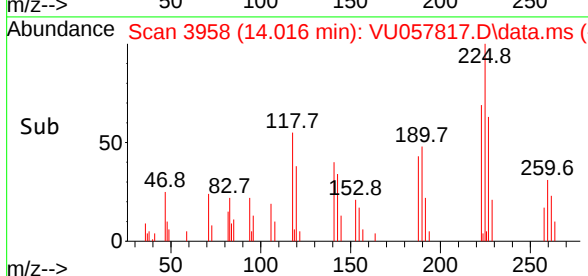
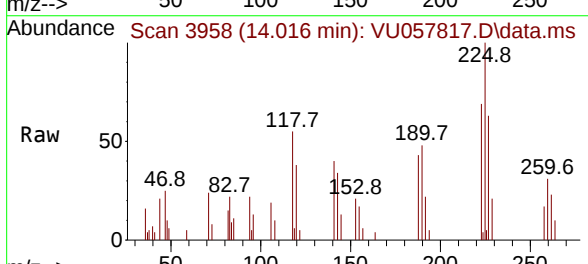
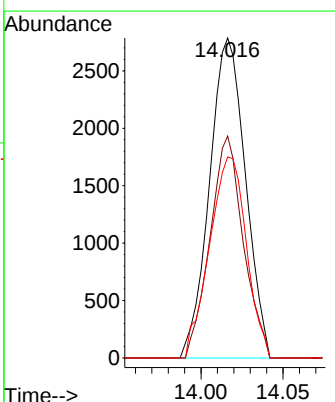
Manual Integrations
 APPROVED

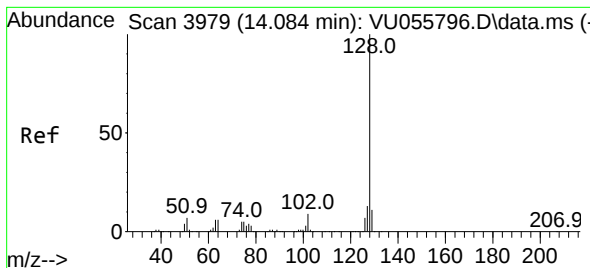
Reviewed By :John Carlone 02/14/2024
 Supervised By :Mahesh Dadoda 02/14/2024



#88
 Hexachlorobutadiene
 Concen: 0.477 ug/l
 RT: 14.016 min Scan# 3958
 Delta R.T. 0.000 min
 Lab File: VU057817.D
 Acq: 06 Feb 2024 12:36

Tgt Ion:225	Resp: 4234
Ion Ratio	Lower Upper
225 100	
223 64.3	50.2 75.4
227 64.3	51.5 77.3





#89

Naphthalene

Concen: 0.484 ug/l

RT: 14.087 min Scan# 3979

Delta R.T. 0.003 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2024

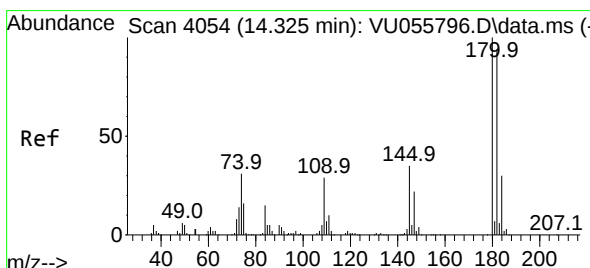
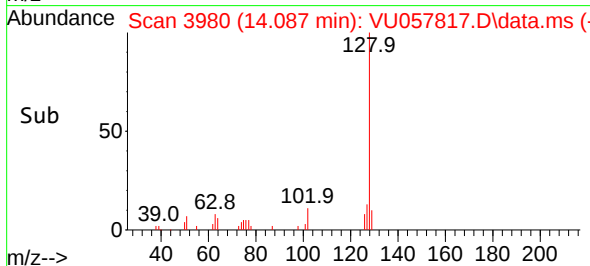
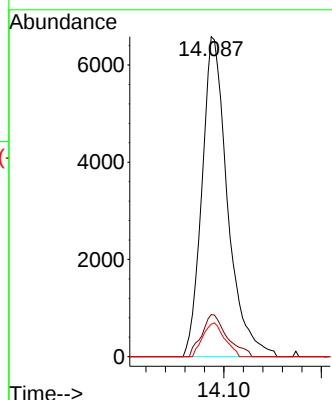
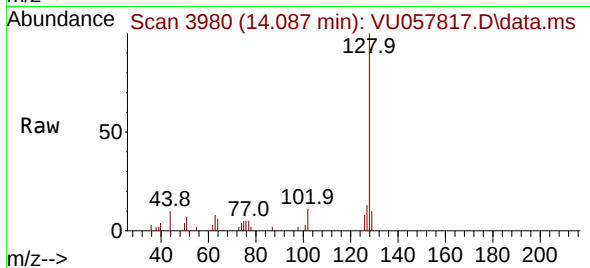
Tgt Ion:128	Resp:	12009
Ion Ratio	Lower	Upper
128	100	
127	13.0	10.9 16.3
129	9.0	8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#90

1,2,3-Trichlorobenzene

Concen: 0.538 ug/l

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

Lab File: VU057817.D

Acq: 06 Feb 2024 12:36

Tgt Ion:180	Resp:	6548
Ion Ratio	Lower	Upper
180	100	
182	86.7	75.7 113.5
145	30.7	26.1 39.1

