

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055804.D
 Acq On : 18 Oct 2023 17:31
 Operator : MD/SY
 Sample : 04699-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2023

Quant Time: Oct 19 04:20:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 04:18:56 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.113	96	91730	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	31887	0.881	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	30681	0.915	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.384	85	10564	0.297	ug/l	99
3) Chloromethane	1.515	50	10524	0.346	ug/l	94
4) Vinyl Chloride	1.602	62	10449	0.335	ug/l	96
5) Bromomethane	1.853	94	6438	0.375	ug/l	95
6) Chloroethane	1.933	64	4994	0.330	ug/l	99
7) Trichlorofluoromethane	2.136	101	13426	0.326	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.580	101	9025	0.329	ug/l	96
9) 1,1-Dichloroethene	2.577	96	8378	0.327	ug/l	95
10) Iodomethane	2.718	142	10208	0.268	ug/l	96
11) Allyl Chloride	2.921	41	10876	0.327	ug/l	92
12) Acrylonitrile	3.339	53	3216	0.669	ug/l #	76
13) Acetone	2.638	43	14999	1.462	ug/l	99
14) Carbon Disulfide	2.792	76	28183	0.337	ug/l	99
15) Methylene Chloride	3.040	84	12891	0.427	ug/l	93
16) trans-1,2-Dichloroethene	3.355	96	9562	0.353	ug/l	93
17) 1,1-Dichloroethane	3.869	63	16875	0.335	ug/l	97
18) 2-Butanone	4.731	43	13545	1.226	ug/l	96
19) Cyclohexane	5.383	56	13464m	0.313	ug/l	
20) Methylcyclohexane	6.756	83	12540	0.281	ug/l	93
21) 2,2-Dichloropropane	4.663	77	14082	0.332	ug/l	97
22) cis-1,2-Dichloroethene	4.666	96	8985	0.311	ug/l	93
23) Diethyl Ether	2.374	59	5213	0.341	ug/l	93
24) tert-Butyl Alcohol	3.181	59	7241m	4.616	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	17821	0.324	ug/l	98
26) Bromochloromethane	4.975	128	3971	0.324	ug/l	98
27) Chloroform	5.084	83	17044	0.329	ug/l	92
28) 1,1,1-Trichloroethane	5.313	97	15263	0.329	ug/l	98
29) 1,1-Dichloropropene	5.528	75	11693	0.318	ug/l	99
30) Carbon Tetrachloride	5.522	117	12883	0.318	ug/l	90
31) Isopropyl Ether	3.988	45	22010	0.325	ug/l	92
32) Ethyl-t-butyl ether	4.499	59	21259	0.325	ug/l	97
33) Tert-Amyl methyl ether	5.940	73	16861	0.301	ug/l	99
34) Propionitrile	4.818	54	2757m	1.577	ug/l	
35) Benzene	5.773	78	36183	0.325	ug/l	98
36) 1,2-Dichloroethane	5.798	62	9874	0.327	ug/l	98
37) Trichloroethene	6.541	130	10028	0.346	ug/l	98
38) 1,2-Dichloropropane	6.789	63	9248	0.318	ug/l	99
39) Methacrylonitrile	5.001	41	1766m	0.271	ug/l	
40) Methyl acrylate	4.888	55	2676m	0.255	ug/l	
41) Tetrahydrofuran	5.075	42	2744	0.743	ug/l #	60
42) 1-Chlorobutane	5.457	56	14263	0.291	ug/l	96
43) Dibromomethane	6.917	93	4641	0.336	ug/l	98
44) Bromodichloromethane	7.104	83	11827	0.324	ug/l	90

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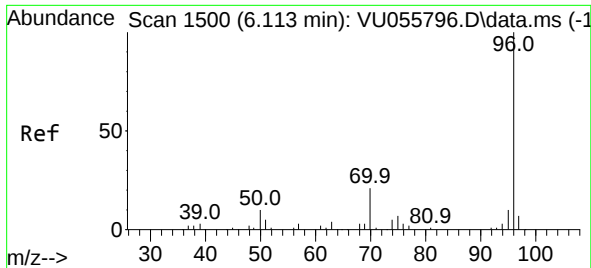
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	22653	1.586	ug/l	96
46) t-1,4-Dichloro-2-butene	10.840	75	2066m	0.364	ug/l	
47) Methyl methacrylate	6.969	69	6727	0.590	ug/l	96
48) Ethyl methacrylate	8.342	69	6628	0.306	ug/l	98
49) Toluene	7.972	92	20695	0.314	ug/l	90
50) t-1,3-Dichloropropene	8.213	75	10035	0.311	ug/l	99
51) cis-1,3-Dichloropropene	7.609	75	12433	0.315	ug/l	96
52) 1,1,2-Trichloroethane	8.396	97	6313	0.320	ug/l	90
53) 1,3-Dichloropropane	8.576	76	11060	0.328	ug/l	97
54) 2-Hexanone	8.692	43	20512	1.282	ug/l	97
55) Dibromochloromethane	8.808	129	7380	0.310	ug/l	98
56) 1,2-Dibromoethane	8.920	107	5947	0.330	ug/l	99
58) Tetrachloroethene	8.551	164	10855	0.361	ug/l	96
59) Chlorobenzene	9.448	112	23838	0.328	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.531	131	8206	0.317	ug/l	98
61) Pentachloroethane	11.425	117	4925	0.281	ug/l	86
62) Hexachloroethane	12.470	117	5237	0.282	ug/l	96
63) Ethyl Benzene	9.570	91	35874	0.291	ug/l	95
64) m/p-Xylenes	9.695	106	26783	0.564	ug/l	96
65) o-Xylene	10.100	106	13552	0.291	ug/l	94
66) Styrene	10.116	104	20544	0.282	ug/l	98
67) Bromoform	10.290	173	3866	0.302	ug/l #	96
69) Isopropylbenzene	10.483	105	33015	0.275	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.779	83	7408	0.321	ug/l #	97
71) 1,2,3-Trichloropropane	10.821	75	5569m	0.291	ug/l	
72) Bromobenzene	10.782	156	8758	0.306	ug/l	81
73) n-propylbenzene	10.907	120	8124	0.263	ug/l	99
74) 2-Chlorotoluene	10.985	126	7992	0.278	ug/l	81
75) 1,3,5-Trimethylbenzene	11.087	105	27216	0.266	ug/l	99
76) 4-Chlorotoluene	11.097	126	8205	0.280	ug/l	89
77) tert-Butylbenzene	11.419	119	24932	0.265	ug/l	92
78) 1,2,4-Trimethylbenzene	11.467	105	26971	0.266	ug/l	100
79) sec-Butylbenzene	11.640	105	32262	0.272	ug/l	99
80) Nitrobenzene	13.242	77	952	1.560	ug/l #	64
81) p-Isopropyltoluene	11.792	119	26037	0.273	ug/l	98
82) 1,3-Dichlorobenzene	11.747	146	18944	0.324	ug/l	98
83) 1,4-Dichlorobenzene	11.837	146	17641m	0.312	ug/l	
84) n-Butylbenzene	12.210	91	27806	0.342	ug/l	96
85) 1,2-Dichlorobenzene	12.213	146	18018	0.338	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	13.001	75	1199	0.364	ug/l #	68
87) 1,2,4-Trichlorobenzene	13.843	180	11828	0.408	ug/l	98
88) Hexachlorobutadiene	14.017	225	6826	0.339	ug/l	94
89) Naphthalene	14.094	128	17193	0.409	ug/l	99
90) 1,2,3-Trichlorobenzene	14.332	180	9768	0.393	ug/l	100

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



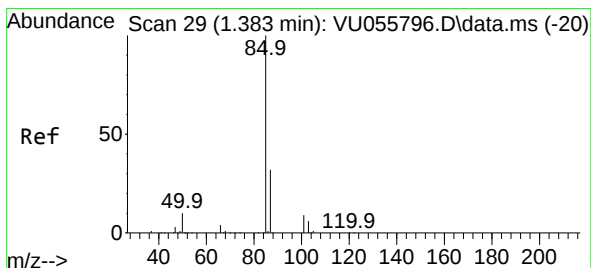
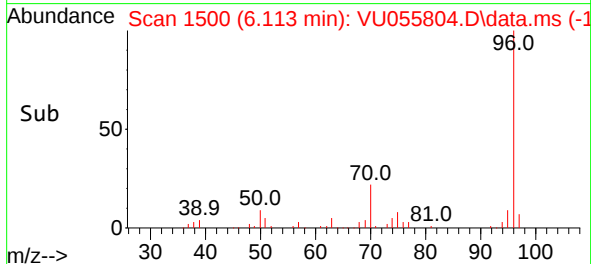
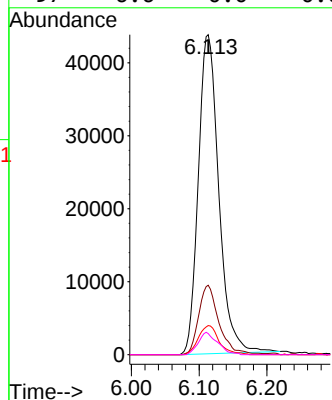
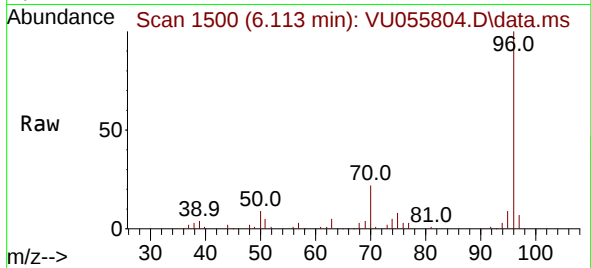
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Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1500
Delta R.T. 0.000 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 96	Resp: 91730
Ion Ratio	Lower Upper
96 100	
70 21.0	16.5 24.7
95 9.2	7.4 11.0
97 6.6	0.0 0.0#

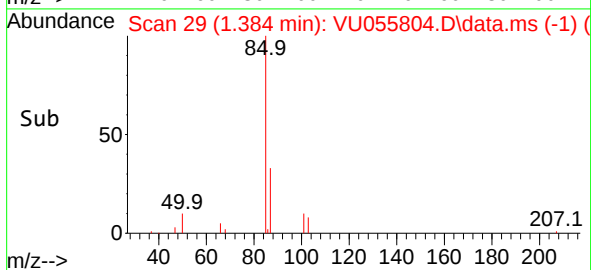
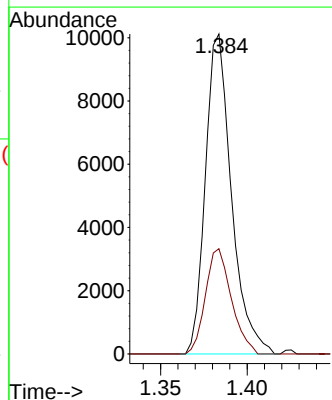
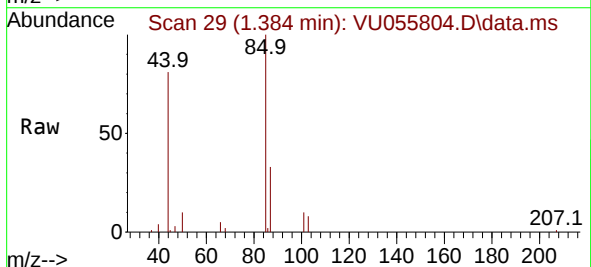
Manual Integrations
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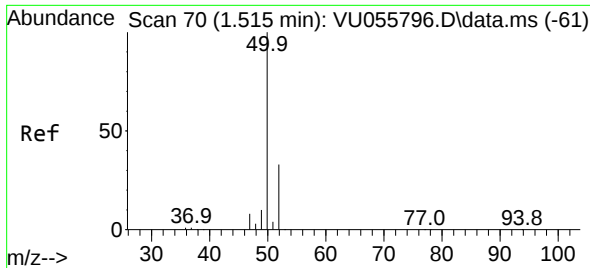
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#2
Dichlorodifluoromethane
Concen: 0.297 ug/l
RT: 1.384 min Scan# 29
Delta R.T. 0.001 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

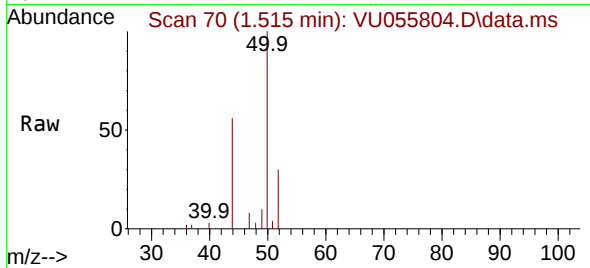
Tgt Ion: 85	Resp: 10564
Ion Ratio	Lower Upper
85 100	
87 32.9	16.2 48.6





#3
Chloromethane
Concen: 0.346 ug/l
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

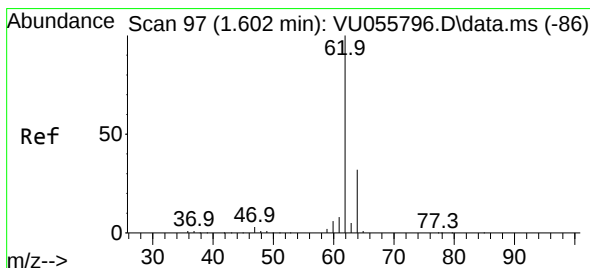
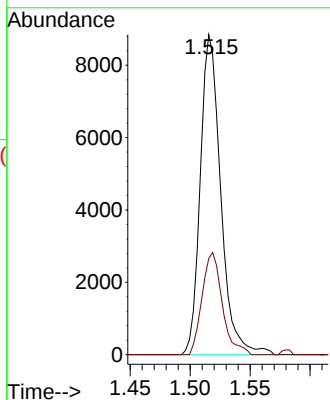
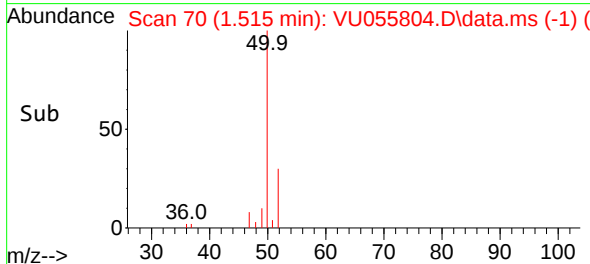
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 50 Resp: 10524
Ion Ratio Lower Upper
50 100
52 30.1 26.6 40.0

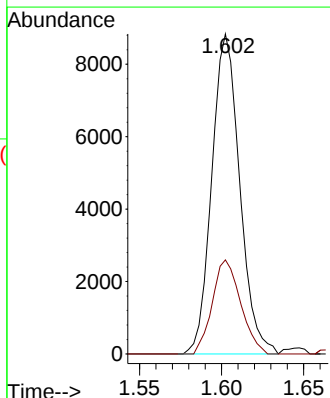
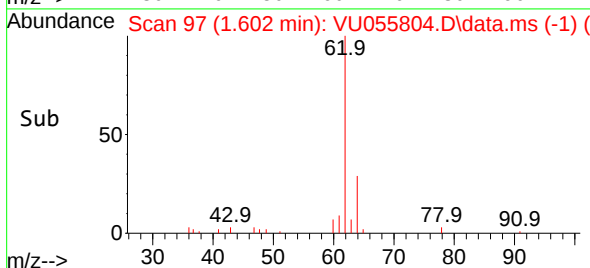
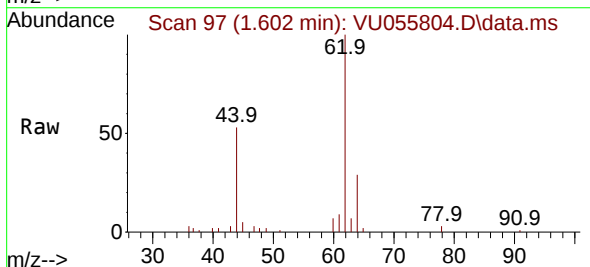
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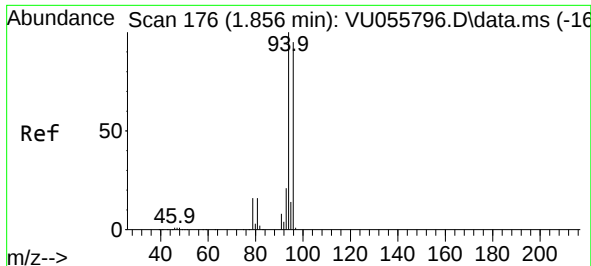
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#4
Vinyl Chloride
Concen: 0.335 ug/l
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

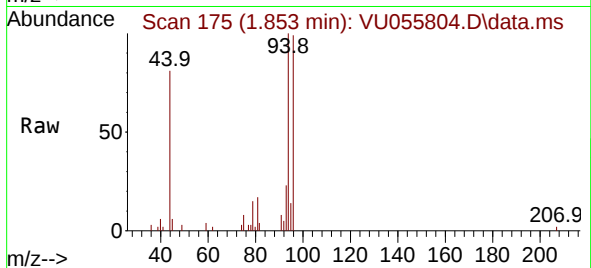
Tgt Ion: 62 Resp: 10449
Ion Ratio Lower Upper
62 100
64 29.4 25.4 38.2





#5
Bromomethane
Concen: 0.375 ug/l
RT: 1.853 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

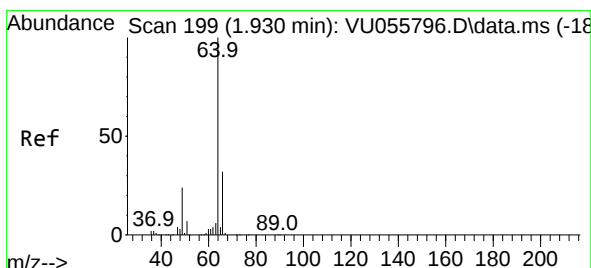
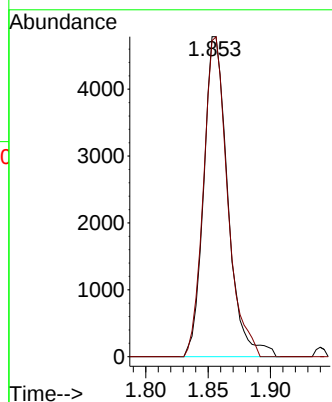
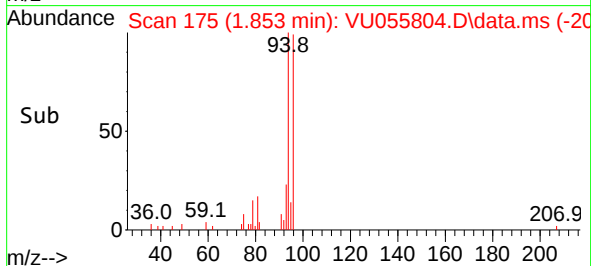
Instrument :
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LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 94 Resp: 6438
Ion Ratio Lower Upper
94 100
96 98.8 75.4 113.2

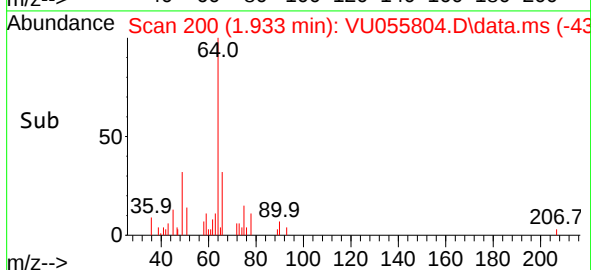
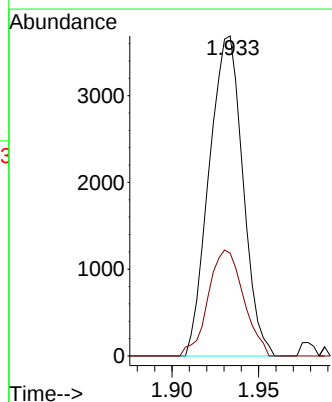
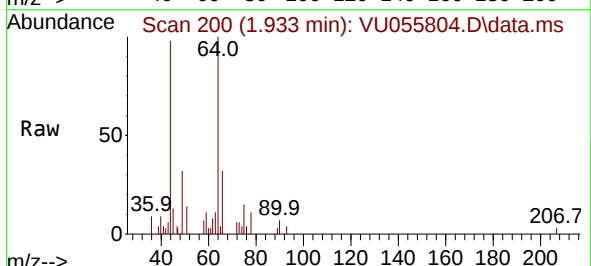
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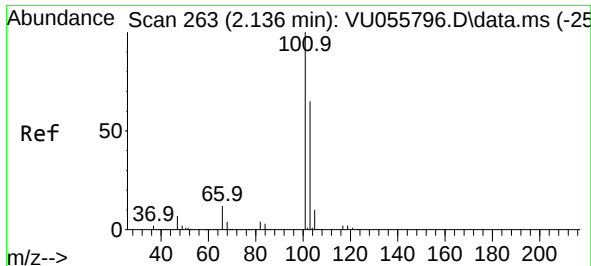
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#6
Chloroethane
Concen: 0.330 ug/l
RT: 1.933 min Scan# 200
Delta R.T. 0.003 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

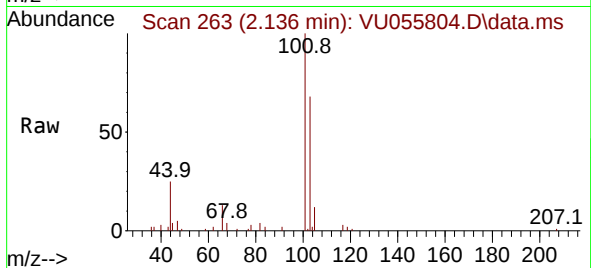
Tgt Ion: 64 Resp: 4994
Ion Ratio Lower Upper
64 100
66 32.2 26.0 39.0





#7
 Trichlorofluoromethane
 Concen: 0.326 ug/l
 RT: 2.136 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VU055804.D
 Acq: 18 Oct 2023 17:31

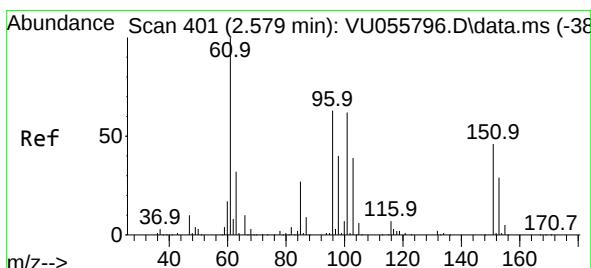
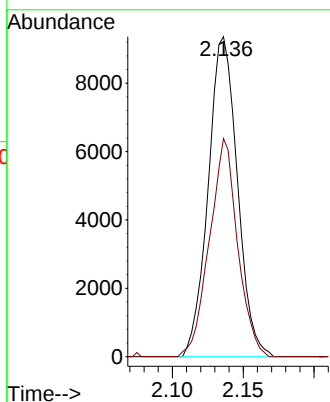
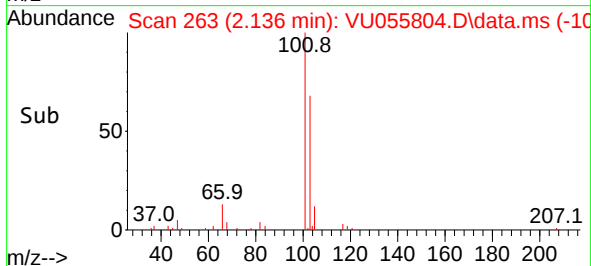
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 LOD-MDL-WATER-01-QT4-2023



Tgt Ion:101 Resp: 13420
 Ion Ratio Lower Upper
 101 100
 103 68.2 51.4 77.0

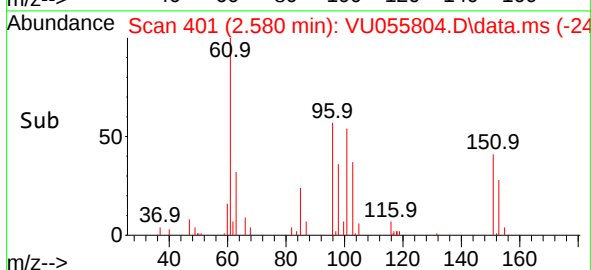
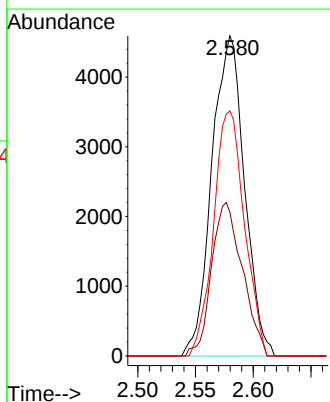
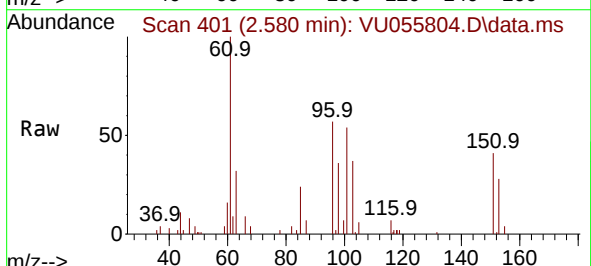
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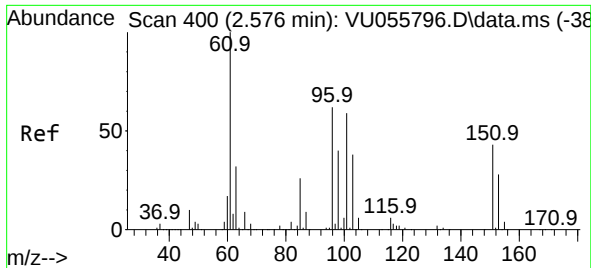
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.329 ug/l
 RT: 2.580 min Scan# 401
 Delta R.T. 0.001 min
 Lab File: VU055804.D
 Acq: 18 Oct 2023 17:31

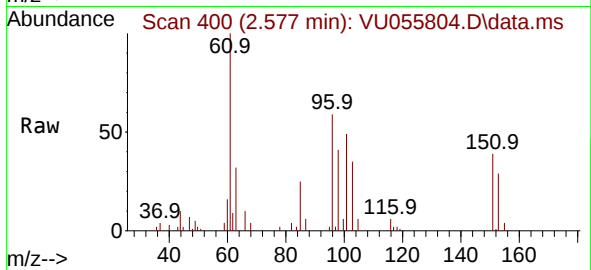
Tgt Ion:101 Resp: 9025
 Ion Ratio Lower Upper
 101 100
 85 45.3 35.4 53.0
 151 72.2 54.0 81.0





#9
1,1-Dichloroethene
Concen: 0.327 ug/l
RT: 2.577 min Scan# 400
Delta R.T. 0.001 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

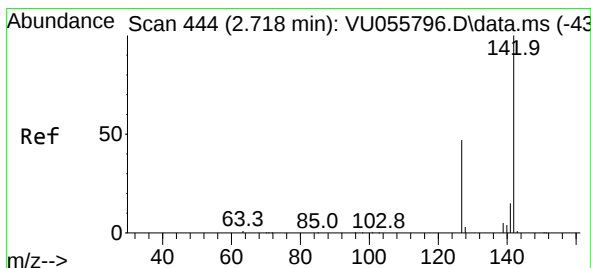
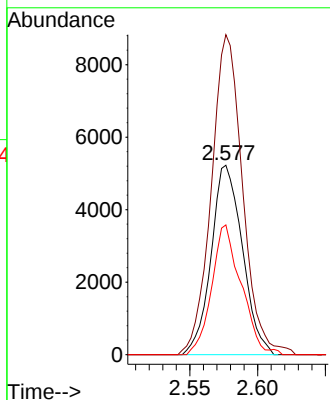
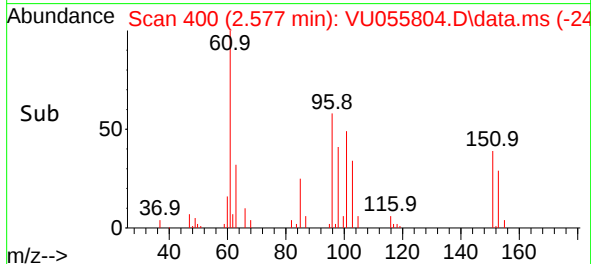
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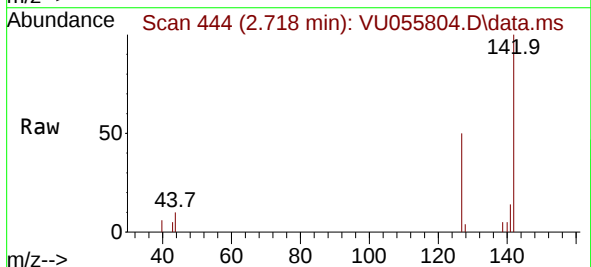
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Ion Ratio Lower Upper
96 100
61 168.9 0.0 521.4
98 68.5 0.0 125.8

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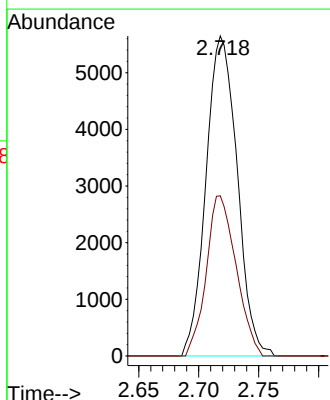
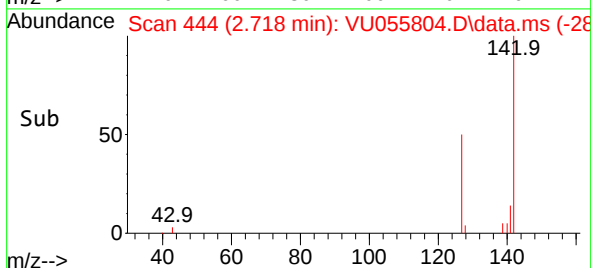
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

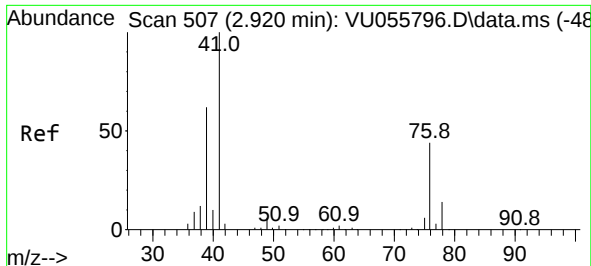


#10
Iodomethane
Concen: 0.268 ug/l
RT: 2.718 min Scan# 444
Delta R.T. 0.000 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31



Tgt Ion:142 Resp: 10208
Ion Ratio Lower Upper
142 100
127 47.8 35.9 53.9





#11

Allyl Chloride

Concen: 0.327 ug/l

RT: 2.921 min Scan# 507

Delta R.T. 0.001 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 41 Resp: 10870

Ion Ratio Lower Upper

41 100

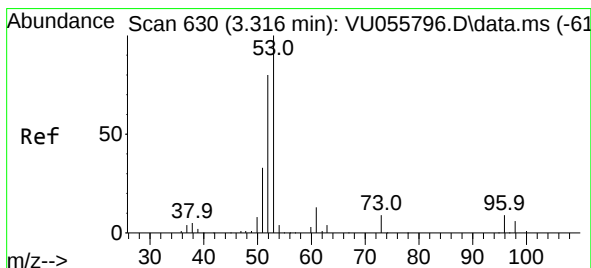
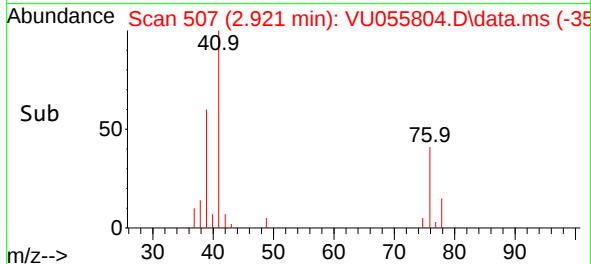
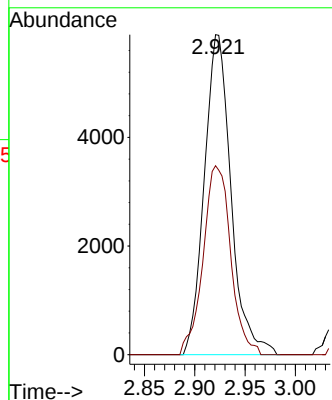
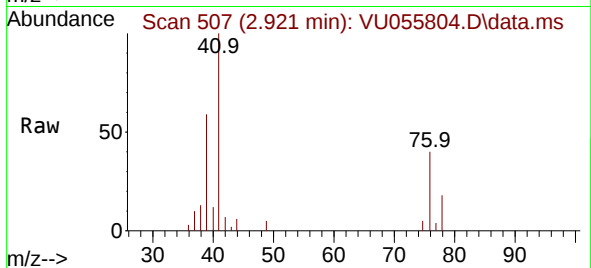
39 61.0 54.2 81.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#12

Acrylonitrile

Concen: 0.669 ug/l

RT: 3.339 min Scan# 637

Delta R.T. 0.023 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

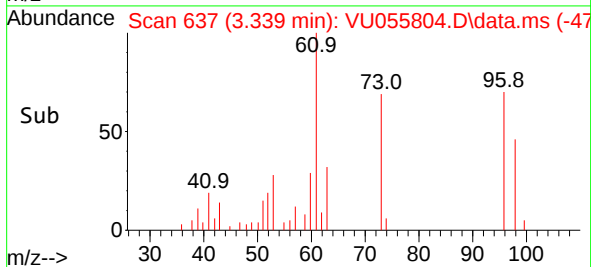
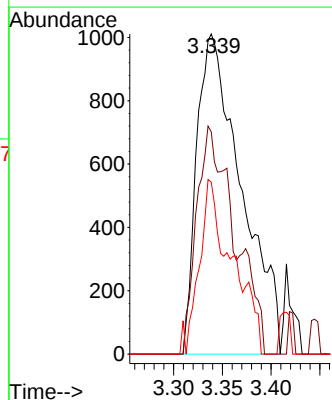
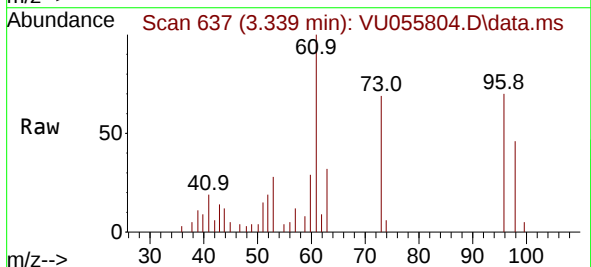
Tgt Ion: 53 Resp: 3216

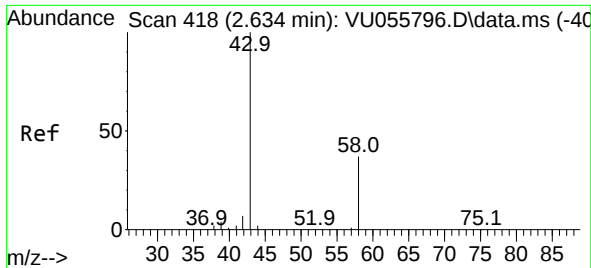
Ion Ratio Lower Upper

53 100

52 49.1 62.9 94.3#

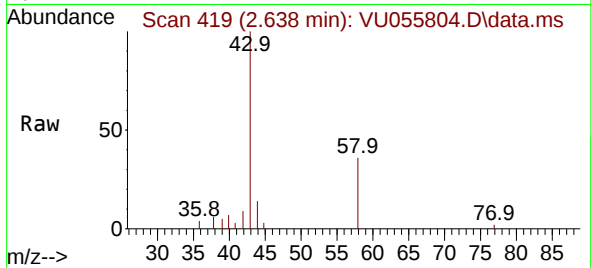
51 35.0 27.8 41.6





#13
Acetone
Concen: 1.462 ug/l
RT: 2.638 min Scan# 418
Delta R.T. 0.004 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

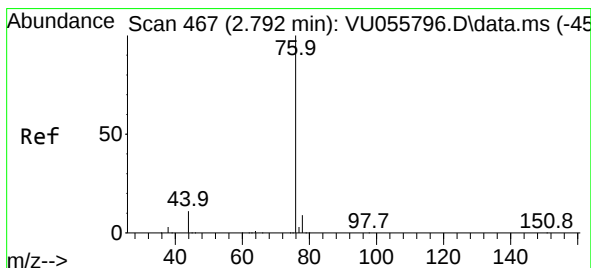
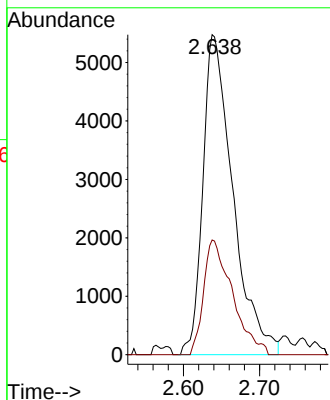
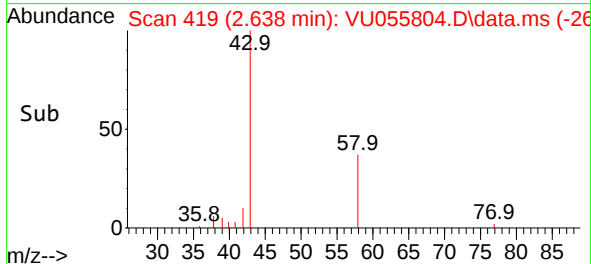
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2023



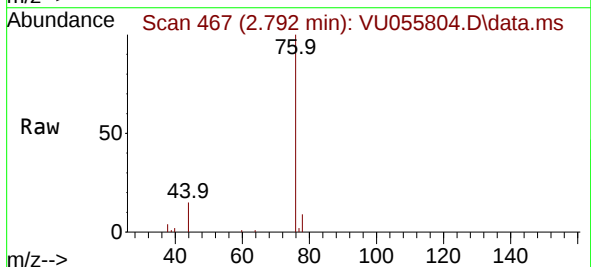
Tgt Ion: 43 Resp: 1499
Ion Ratio Lower Upper
43 100
58 35.9 29.0 43.4

Manual Integrations
APPROVED

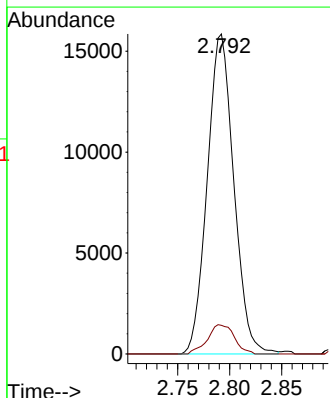
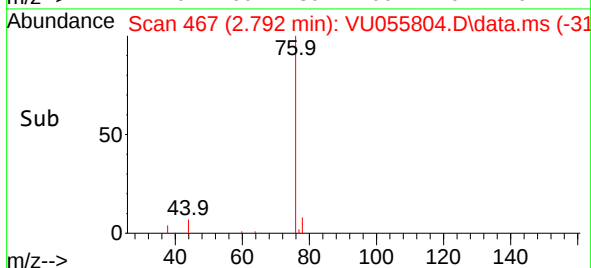
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

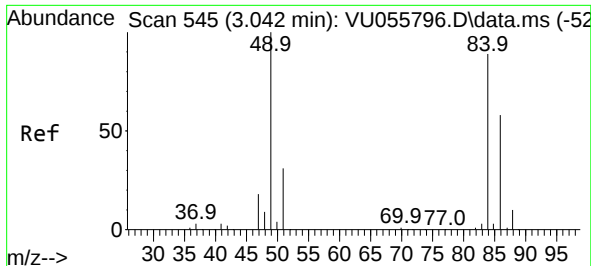


#14
Carbon Disulfide
Concen: 0.337 ug/l
RT: 2.792 min Scan# 467
Delta R.T. -0.000 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31



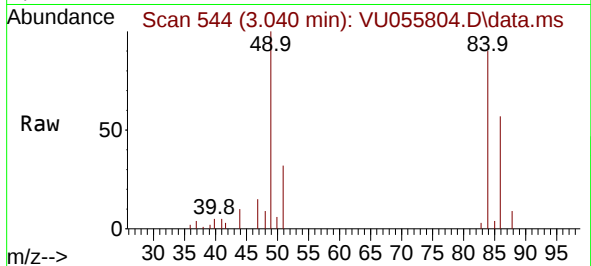
Tgt Ion: 76 Resp: 28183
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0





#15
Methylene Chloride
Concen: 0.427 ug/l
RT: 3.040 min Scan# 545
Delta R.T. -0.002 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

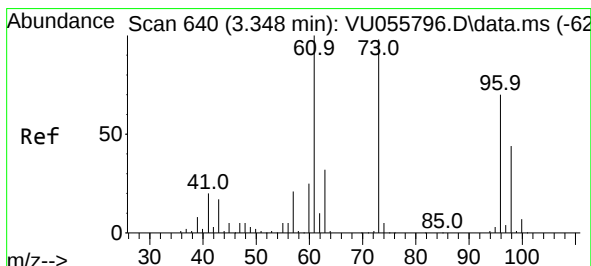
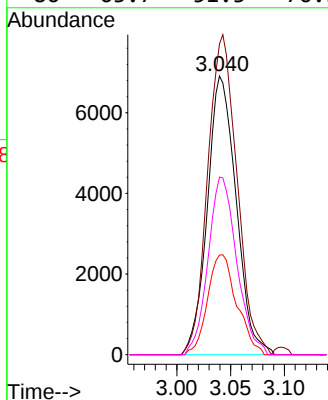
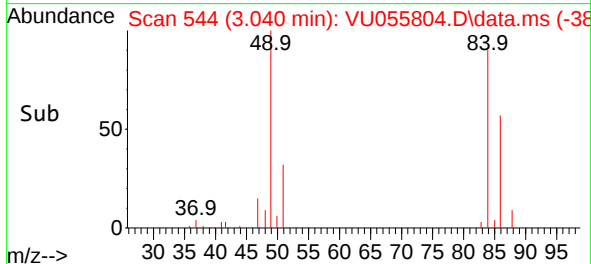
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion:	84	Resp:	1289
Ion	Ratio	Lower	Upper
84	100		
49	111.5	98.9	148.3
51	35.7	0.0	75.4
86	63.7	51.3	76.9

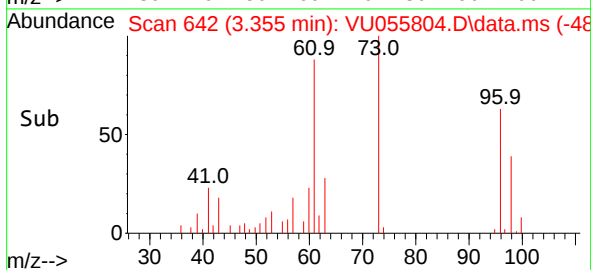
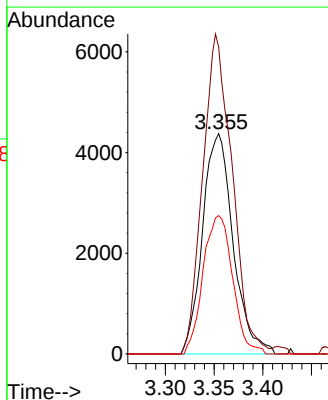
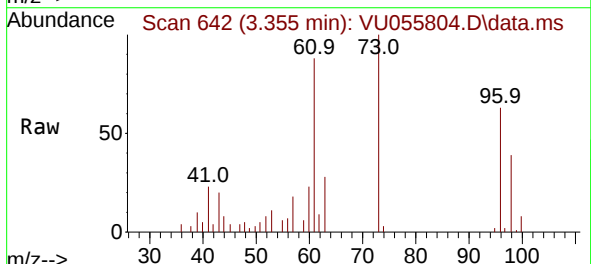
Manual Integrations
APPROVED

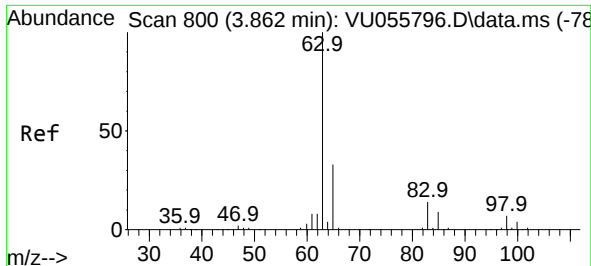
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#16
trans-1,2-Dichloroethene
Concen: 0.353 ug/l
RT: 3.355 min Scan# 642
Delta R.T. 0.007 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Tgt Ion:	96	Resp:	9562
Ion	Ratio	Lower	Upper
96	100		
61	134.3	117.5	176.3
98	60.6	48.3	72.5





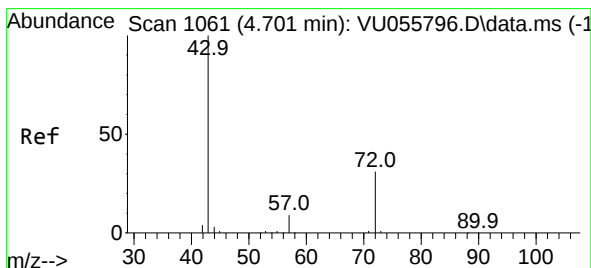
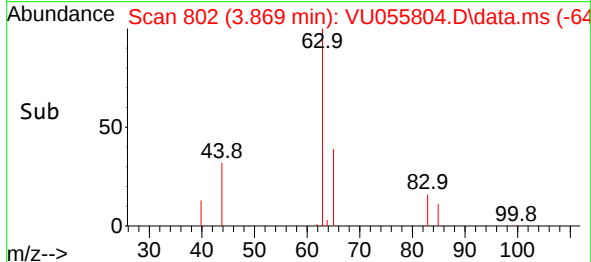
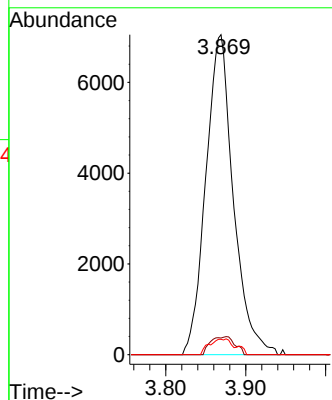
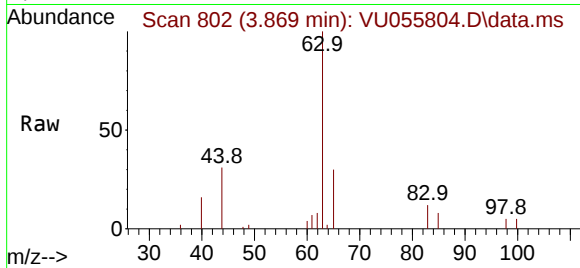
#17
1,1-Dichloroethane
Concen: 0.335 ug/l
RT: 3.869 min Scan# 800
Delta R.T. 0.007 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 63 Resp: 1687
Ion Ratio Lower Upper
63 100
98 5.2 3.4 10.1
100 4.8 2.2 6.6

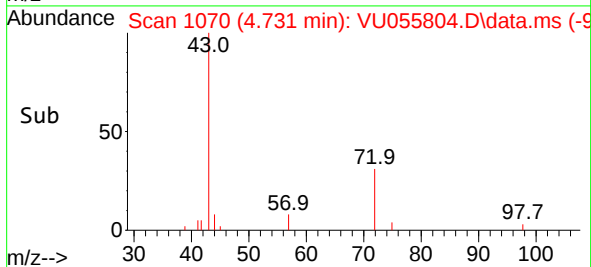
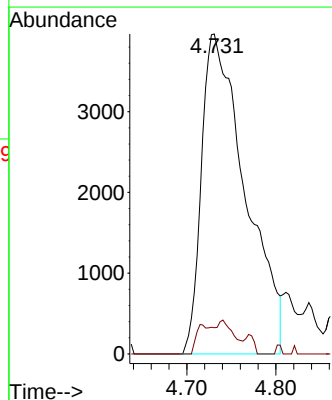
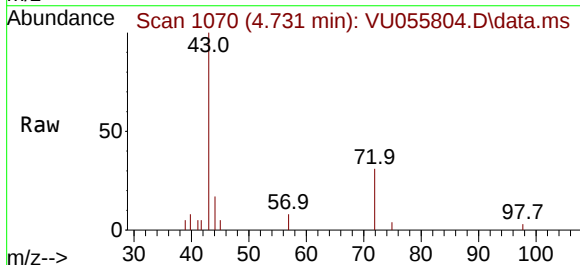
Manual Integrations
APPROVED

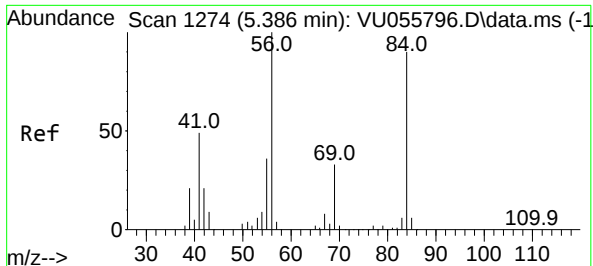
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#18
2-Butanone
Concen: 1.226 ug/l
RT: 4.731 min Scan# 1070
Delta R.T. 0.030 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Tgt Ion: 43 Resp: 13545
Ion Ratio Lower Upper
43 100
57 8.2 0.0 19.6





#19

Cyclohexane

Concen: 0.313 ug/l m

RT: 5.383 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

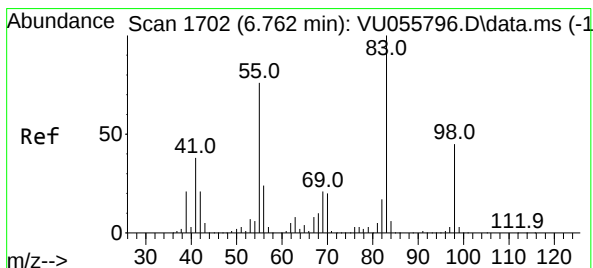
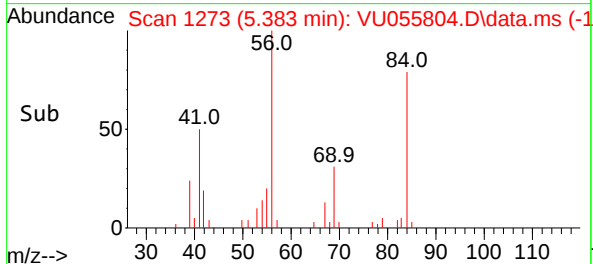
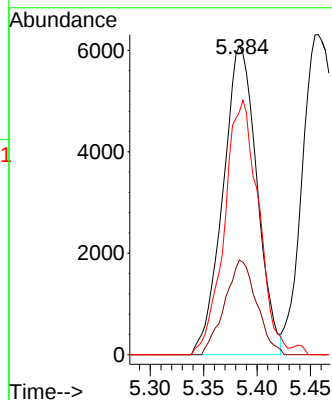
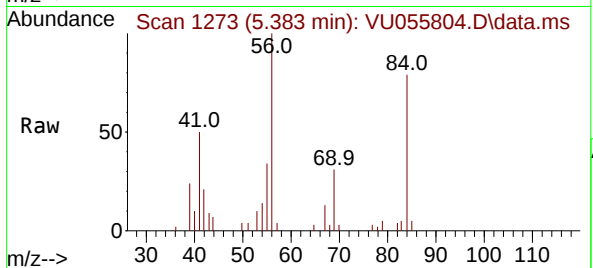
Tgt Ion:	56	Resp:	1346
Ion Ratio	Lower	Upper	
56	100		
69	28.8	24.6	37.0
84	80.0	68.4	102.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#20

Methylcyclohexane

Concen: 0.281 ug/l

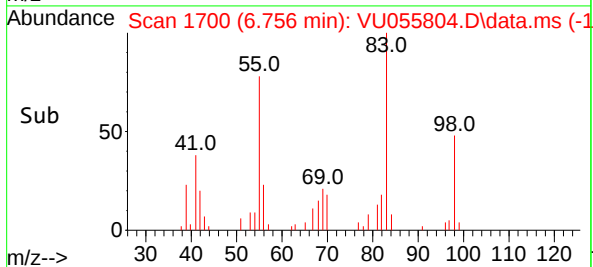
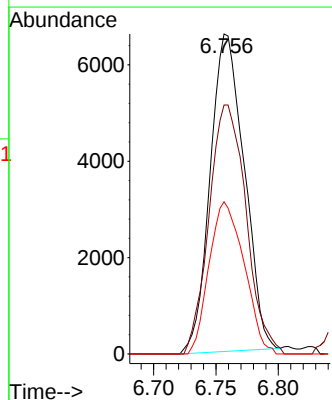
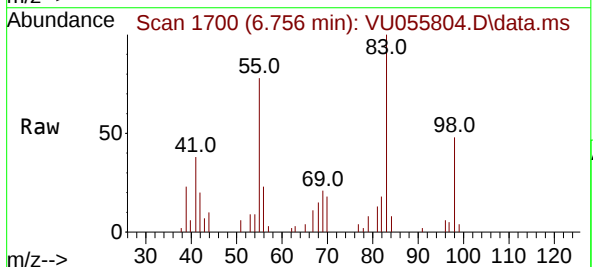
RT: 6.756 min Scan# 1700

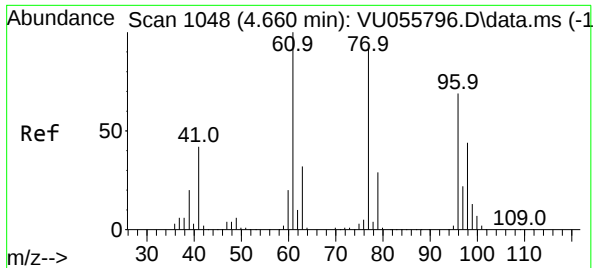
Delta R.T. -0.006 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Tgt Ion:	83	Resp:	12540
Ion Ratio	Lower	Upper	
83	100		
55	85.2	63.5	95.3
98	49.2	36.0	54.0





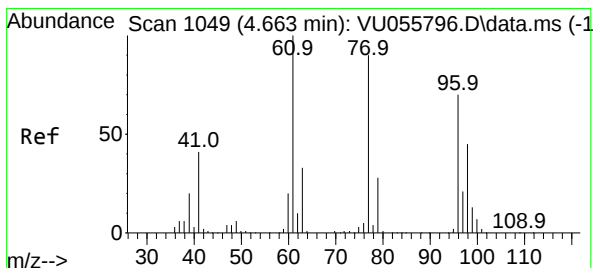
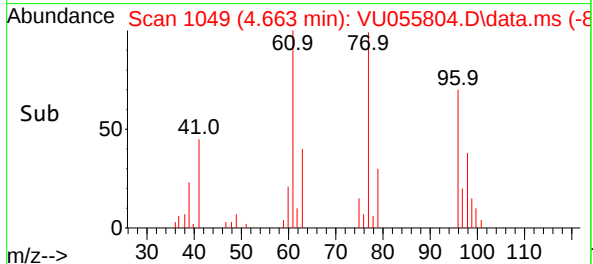
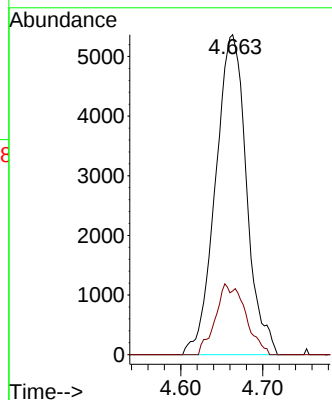
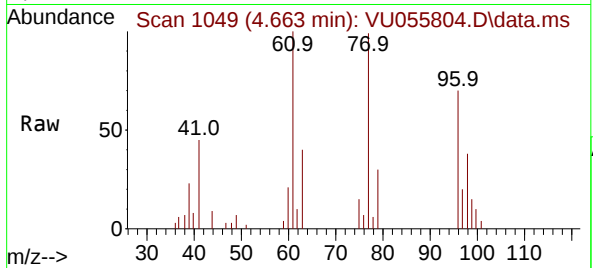
#21
2,2-Dichloropropane
Concen: 0.332 ug/l
RT: 4.663 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 77 Resp: 1408
Ion Ratio Lower Upper
77 100
97 21.4 18.4 27.6

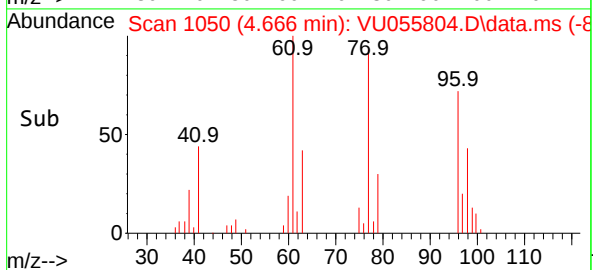
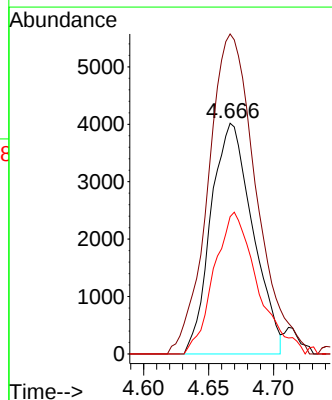
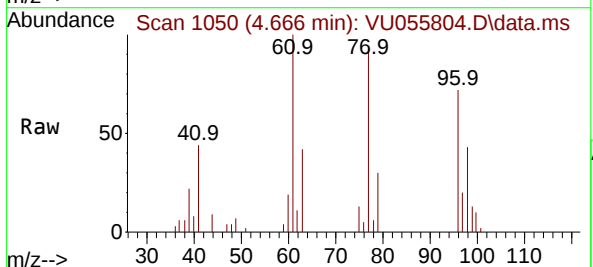
Manual Integrations
APPROVED

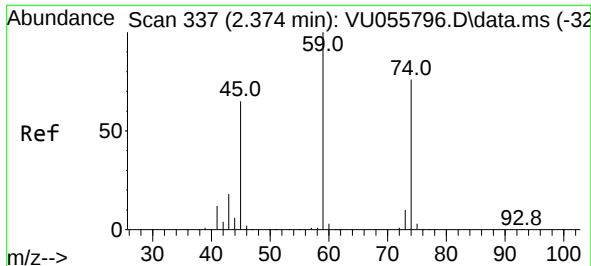
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#22
cis-1,2-Dichloroethene
Concen: 0.311 ug/l
RT: 4.666 min Scan# 1050
Delta R.T. 0.003 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Tgt Ion: 96 Resp: 8985
Ion Ratio Lower Upper
96 100
61 159.0 0.0 365.8
98 63.9 32.0 96.0





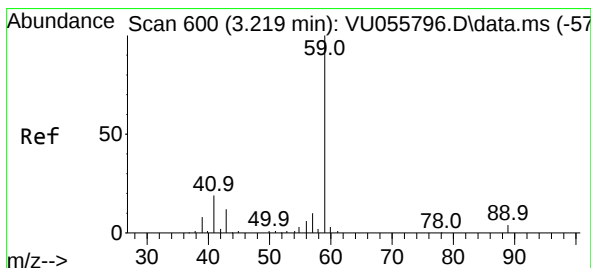
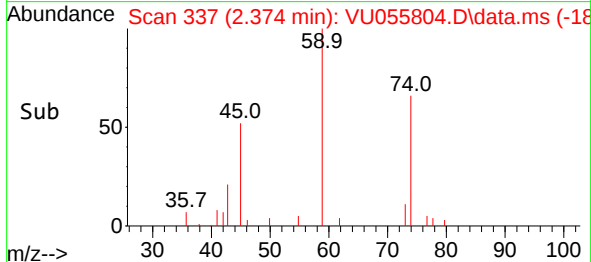
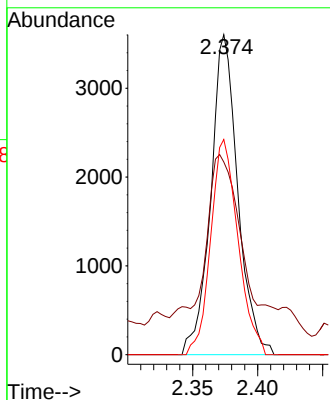
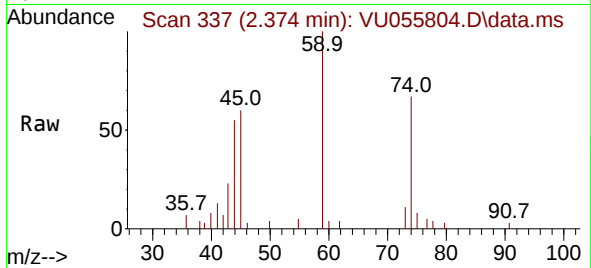
#23
Diethyl Ether
Concen: 0.341 ug/l
RT: 2.374 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 59 Resp: 521
Ion Ratio Lower Upper
59 100
45 62.9 56.1 84.1
74 68.0 57.4 86.2

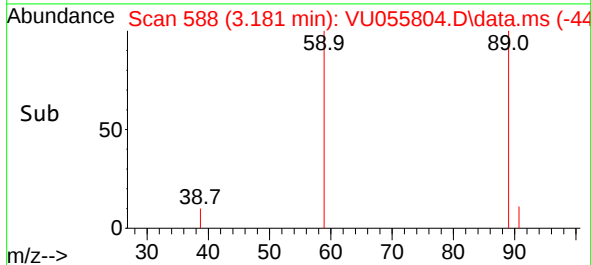
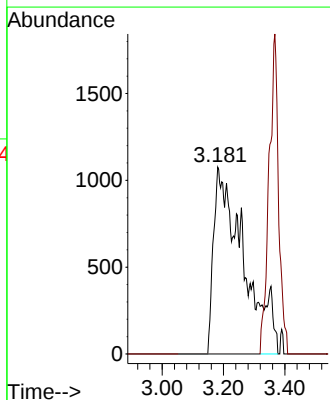
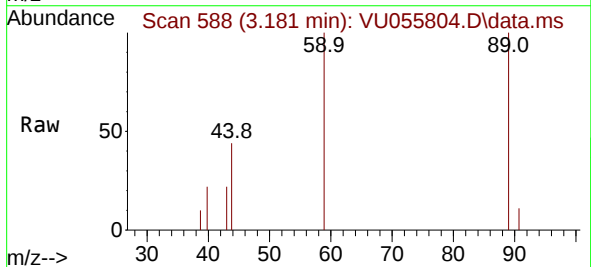
Manual Integrations
APPROVED

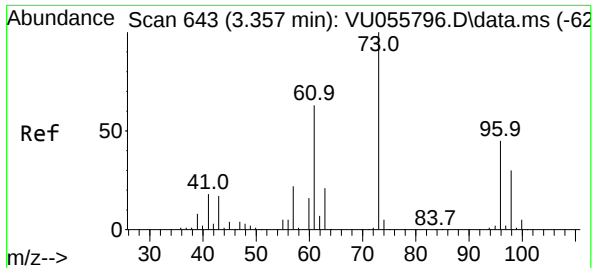
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#24
tert-Butyl Alcohol
Concen: 4.616 ug/l m
RT: 3.181 min Scan# 588
Delta R.T. -0.038 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

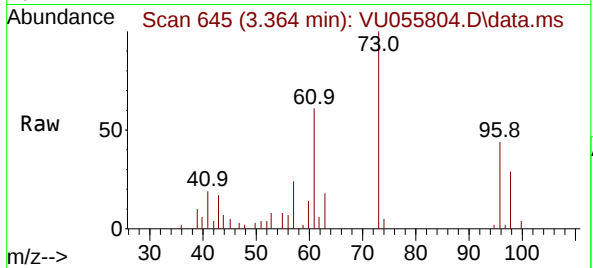
Tgt Ion: 59 Resp: 7241
Ion Ratio Lower Upper
59 100
57 0.0 105.6 158.4#





#25
Methyl tert-Butyl Ether
Concen: 0.324 ug/l
RT: 3.364 min Scan# 643
Delta R.T. 0.007 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

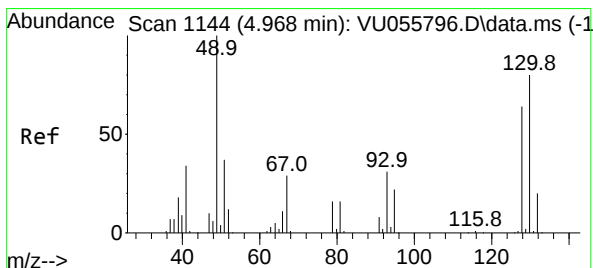
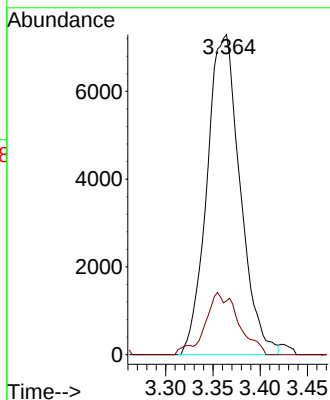
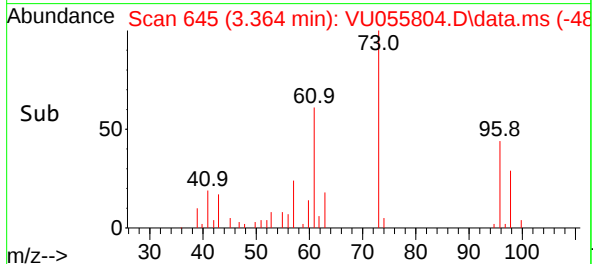
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 73 Resp: 1782
Ion Ratio Lower Upper
73 100
43 19.6 15.0 22.6

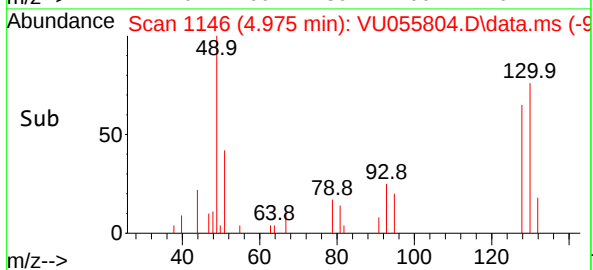
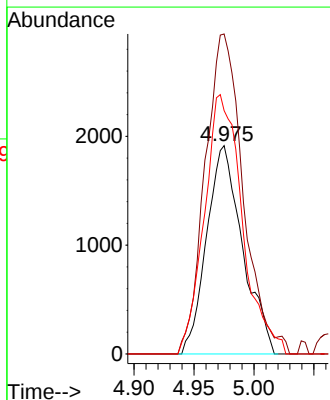
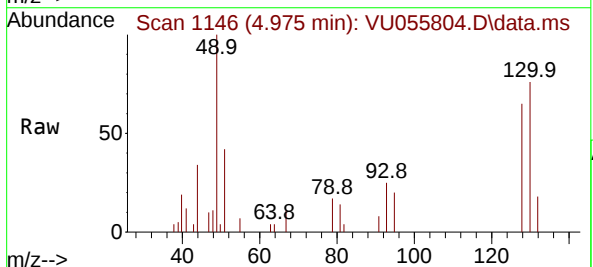
Manual Integrations
APPROVED

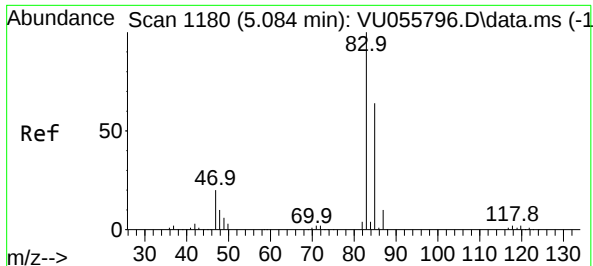
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#26
Bromochloromethane
Concen: 0.324 ug/l
RT: 4.975 min Scan# 1146
Delta R.T. 0.007 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Tgt Ion:128 Resp: 3971
Ion Ratio Lower Upper
128 100
49 163.7 0.0 324.6
130 132.0 103.0 154.4





#27

Chloroform

Concen: 0.329 ug/l

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 83 Resp: 1704

Ion Ratio Lower Upper

83 100

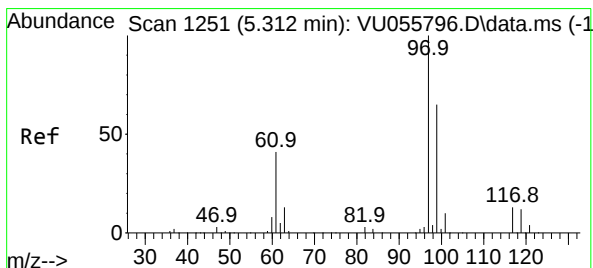
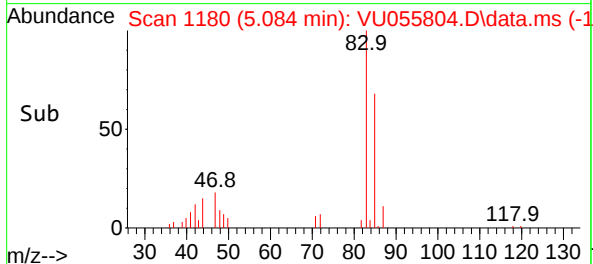
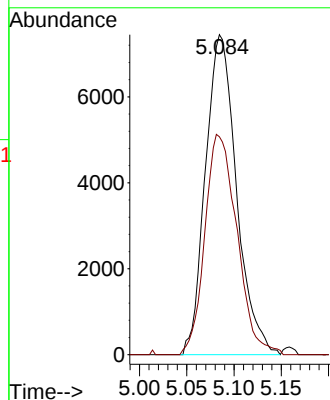
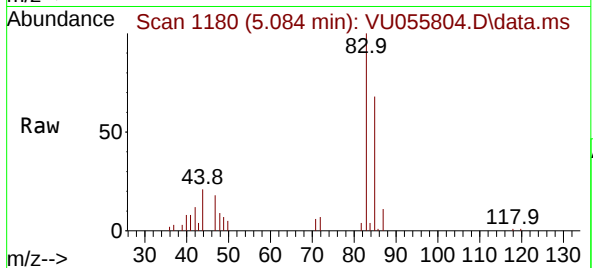
85 69.5 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#28

1,1,1-Trichloroethane

Concen: 0.329 ug/l

RT: 5.313 min Scan# 1251

Delta R.T. 0.001 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

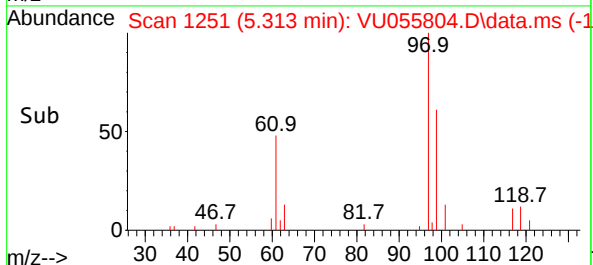
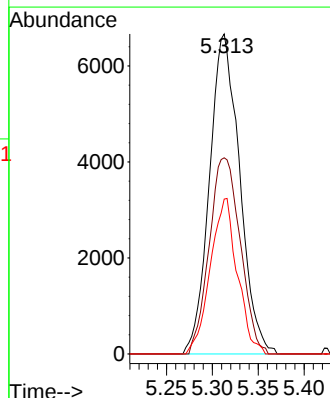
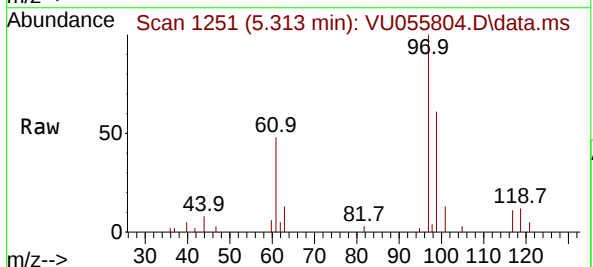
Tgt Ion: 97 Resp: 15263

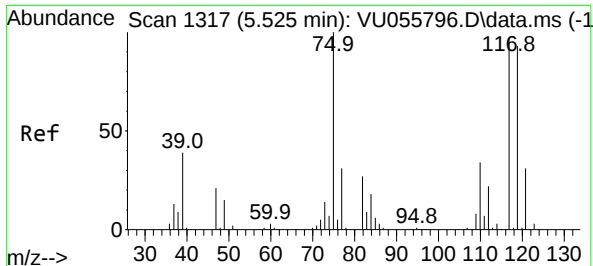
Ion Ratio Lower Upper

97 100

99 63.0 32.0 96.2

61 43.5 22.9 68.5





#29

1,1-Dichloropropene

Concen: 0.318 ug/l

RT: 5.528 min Scan# 1169

Delta R.T. 0.003 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

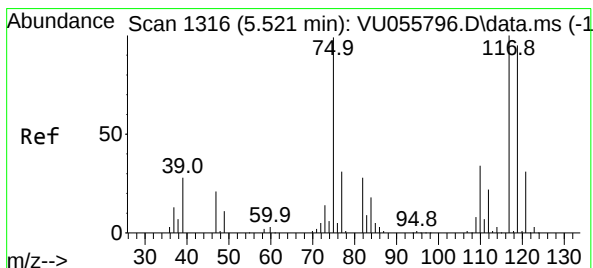
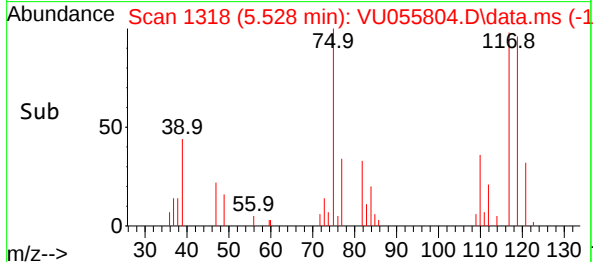
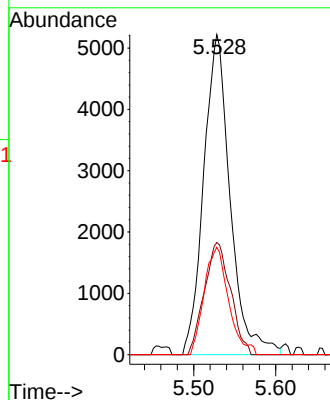
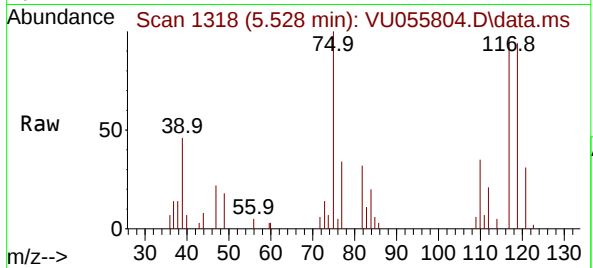
Tgt Ion:	75	Resp:	1169
Ion	Ratio	Lower	Upper
75	100		
110	34.6	18.0	54.0
77	30.9	24.7	37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#30

Carbon Tetrachloride

Concen: 0.318 ug/l

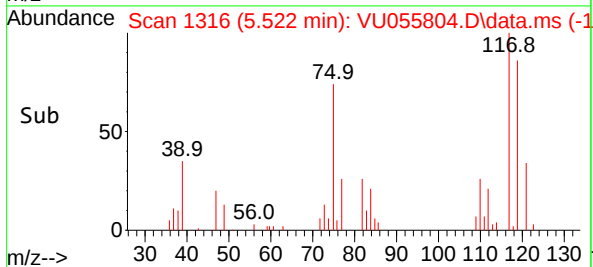
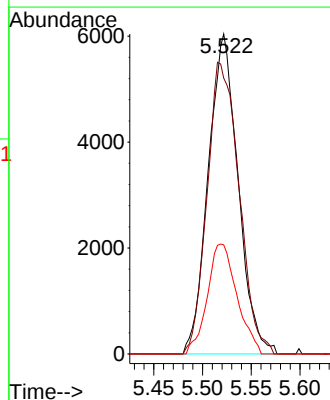
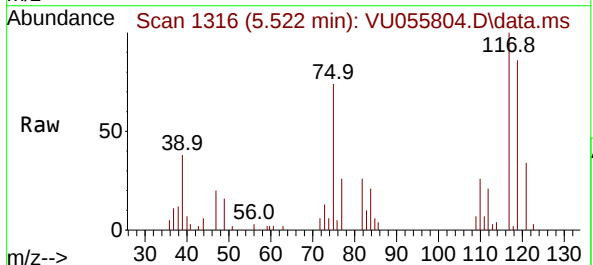
RT: 5.522 min Scan# 1316

Delta R.T. 0.001 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

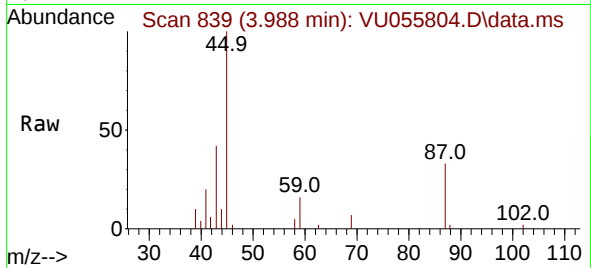
Tgt Ion:	117	Resp:	12883
Ion	Ratio	Lower	Upper
117	100		
119	86.2	77.4	116.0
121	34.1	24.0	36.0





#31
Isopropyl Ether
Concen: 0.325 ug/l
RT: 3.988 min Scan# 839
Delta R.T. 0.000 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

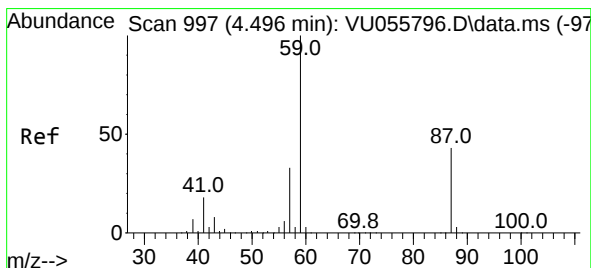
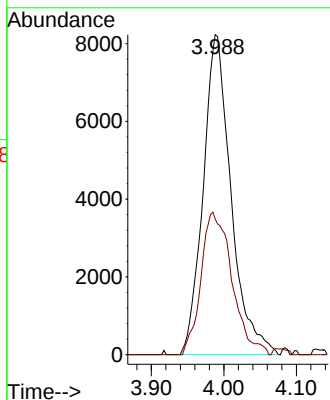
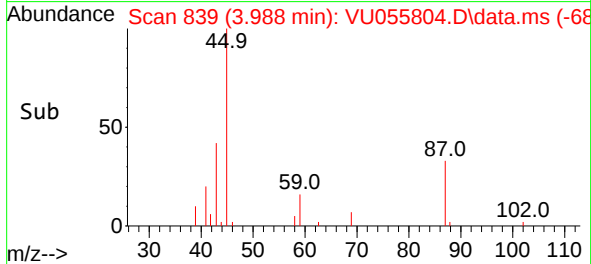
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



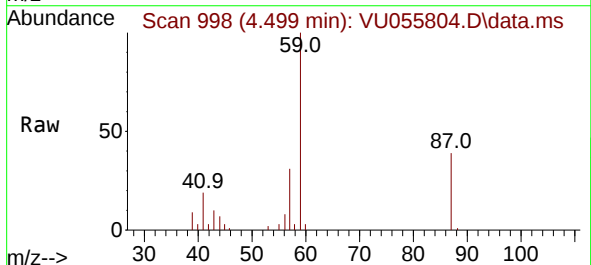
Tgt Ion: 45 Resp: 22010
Ion Ratio Lower Upper
45 100
43 49.4 27.5 82.5

Manual Integrations
APPROVED

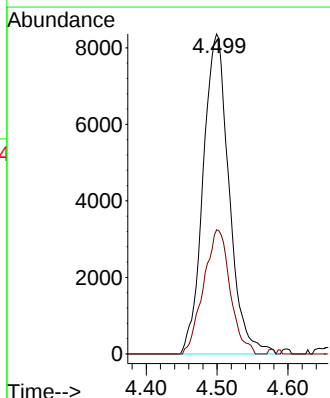
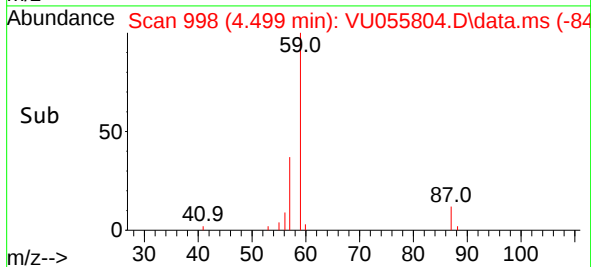
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

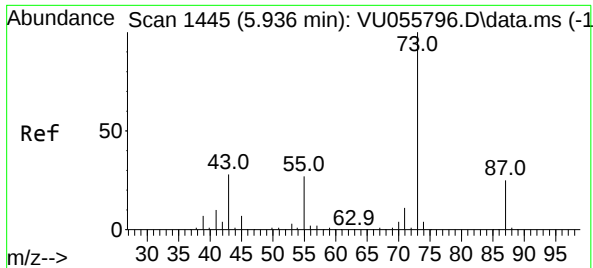


#32
Ethyl-t-butyl ether
Concen: 0.325 ug/l
RT: 4.499 min Scan# 998
Delta R.T. 0.003 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31



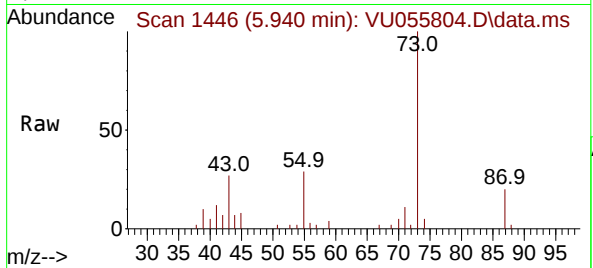
Tgt Ion: 59 Resp: 21259
Ion Ratio Lower Upper
59 100
87 39.7 33.5 50.3





#33
Tert-Amyl methyl ether
Concen: 0.301 ug/l
RT: 5.940 min Scan# 1445
Delta R.T. 0.004 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

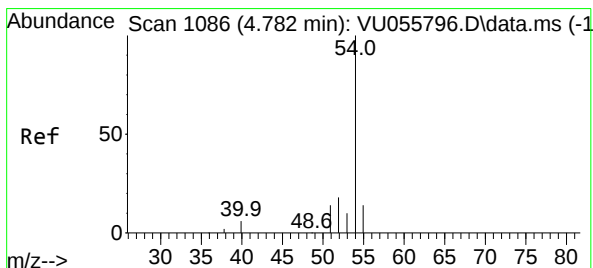
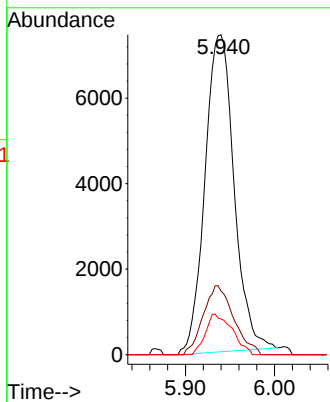
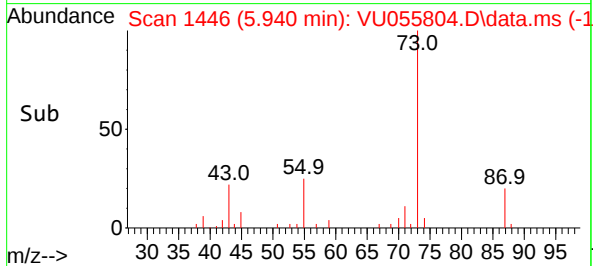
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



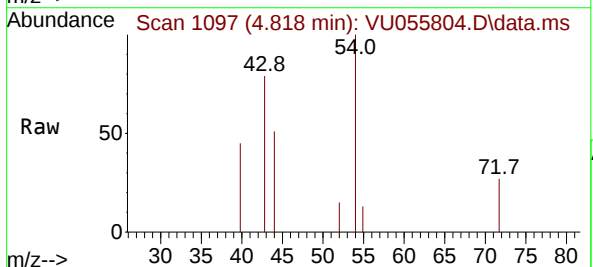
Tgt Ion: 73 Resp: 1686
Ion Ratio Lower Upper
73 100
87 22.7 18.6 28.0
71 11.7 9.9 14.9

Manual Integrations
APPROVED

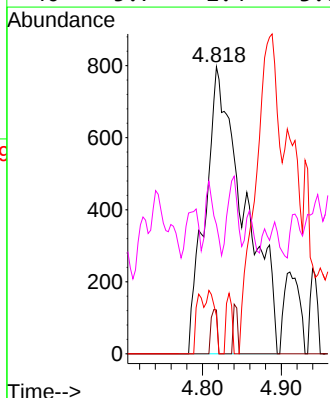
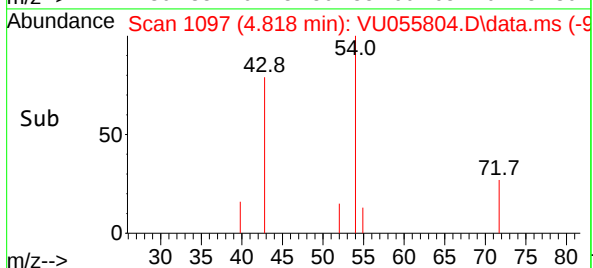
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

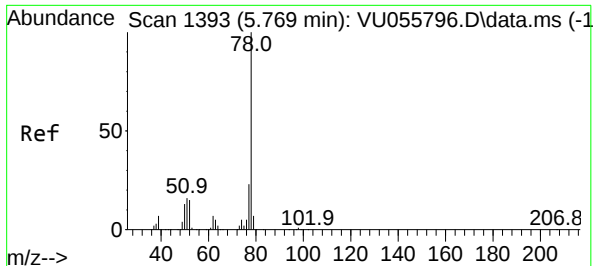


#34
Propionitrile
Concen: 1.577 ug/l m
RT: 4.818 min Scan# 1097
Delta R.T. 0.036 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31



Tgt Ion: 54 Resp: 2757
Ion Ratio Lower Upper
54 100
52 2.4 17.4 26.0#
55 0.0 104.1 156.1#
40 5.7 2.4 3.6#





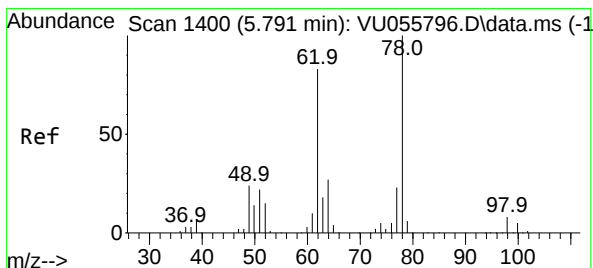
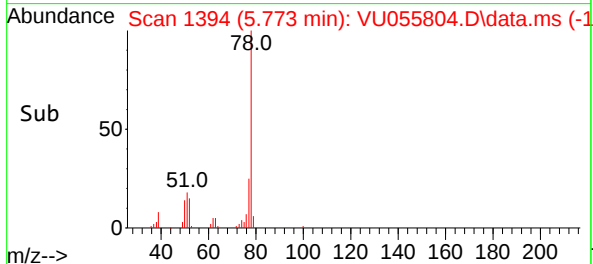
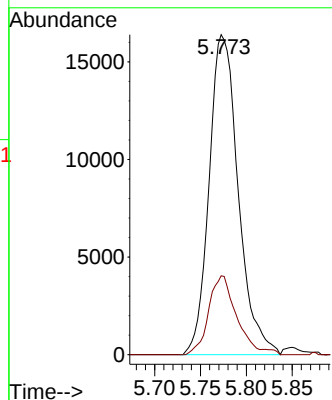
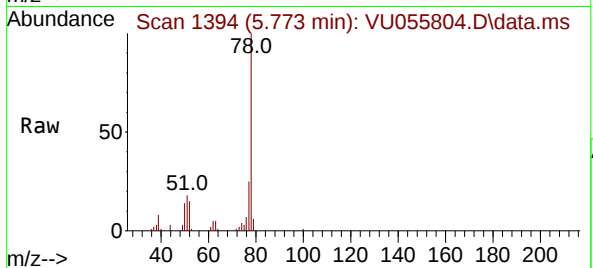
#35
Benzene
Concen: 0.325 ug/l
RT: 5.773 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 78 Resp: 3618
Ion Ratio Lower Upper
78 100
77 24.6 18.9 28.3

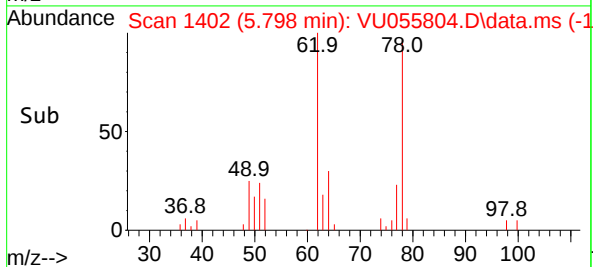
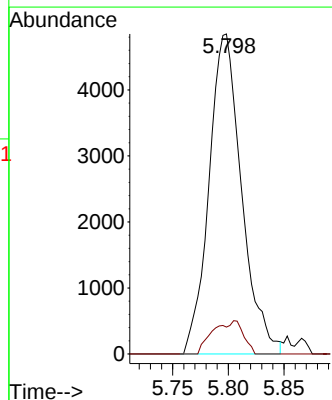
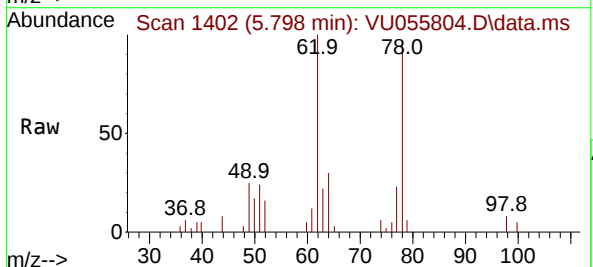
Manual Integrations
APPROVED

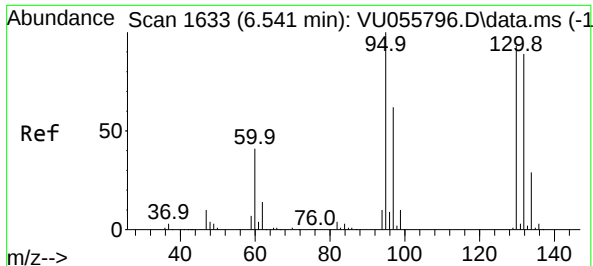
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#36
1,2-Dichloroethane
Concen: 0.327 ug/l
RT: 5.798 min Scan# 1402
Delta R.T. 0.007 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Tgt Ion: 62 Resp: 9874
Ion Ratio Lower Upper
62 100
98 9.8 7.3 10.9





#37

Trichloroethene

Concen: 0.346 ug/l

RT: 6.541 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion:130 Resp: 10028

Ion Ratio Lower Upper

130 100

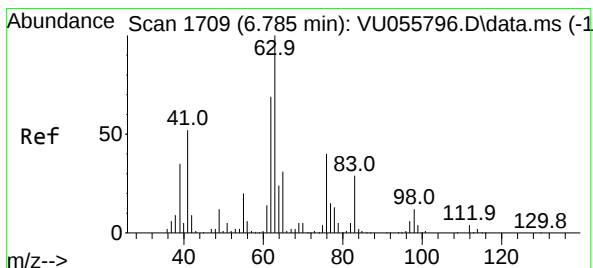
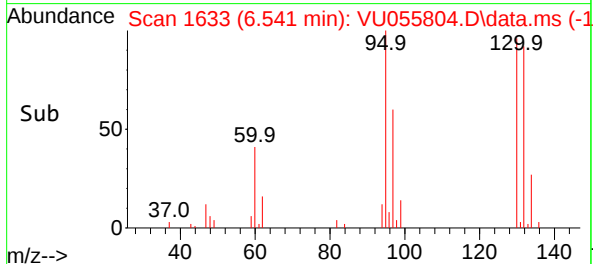
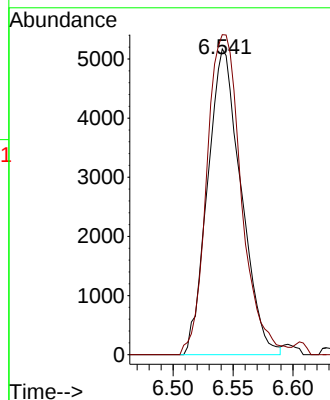
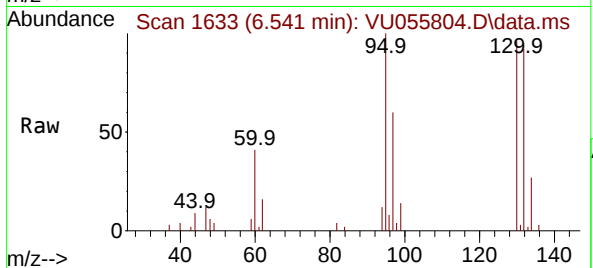
95 104.7 85.0 127.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#38

1,2-Dichloropropane

Concen: 0.318 ug/l

RT: 6.789 min Scan# 1710

Delta R.T. 0.004 min

Lab File: VU055804.D

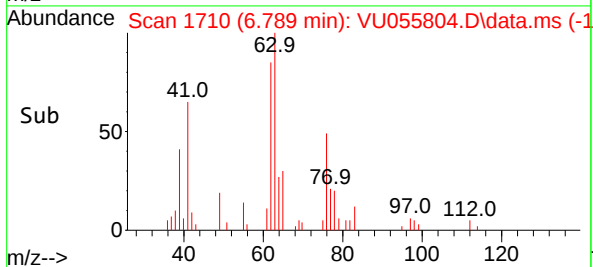
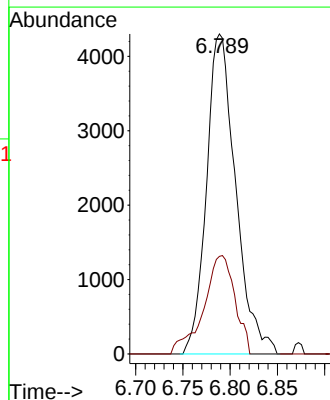
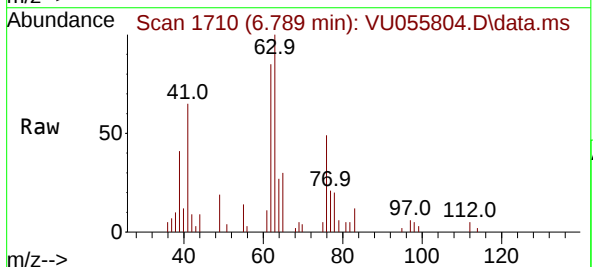
Acq: 18 Oct 2023 17:31

Tgt Ion: 63 Resp: 9248

Ion Ratio Lower Upper

63 100

65 30.5 24.9 37.3





#39

Methacrylonitrile

Concen: 0.271 ug/l m

RT: 5.001 min Scan# 1154

Delta R.T. 0.033 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

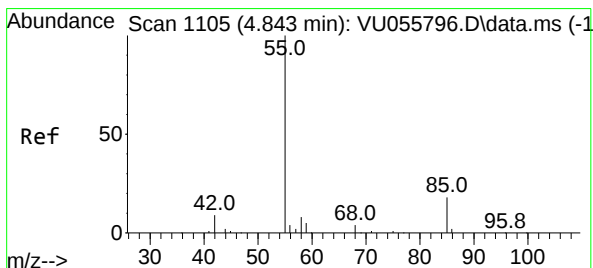
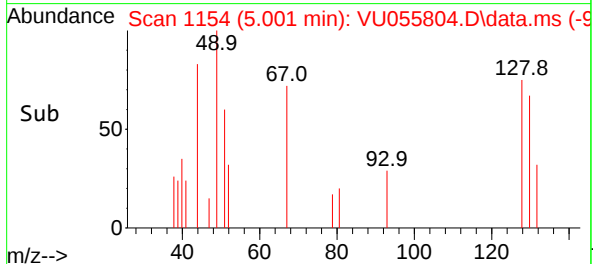
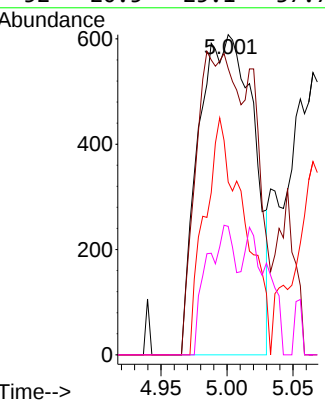
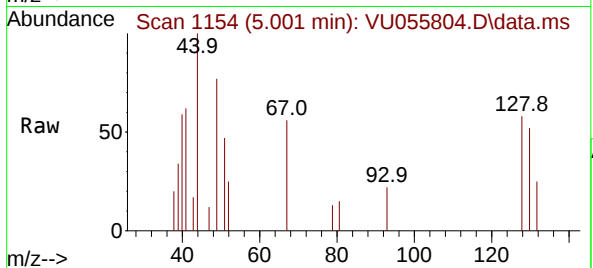
Tgt Ion: 41	Resp: 1760
Ion Ratio	Lower Upper
41 100	
67 36.1	66.8 100.2
39 52.8	41.2 61.8
52 20.5	25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#40

Methyl acrylate

Concen: 0.255 ug/l m

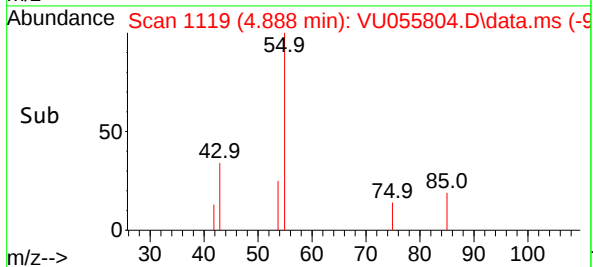
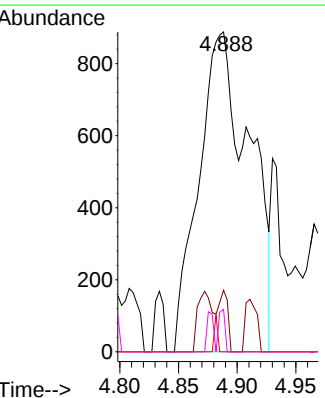
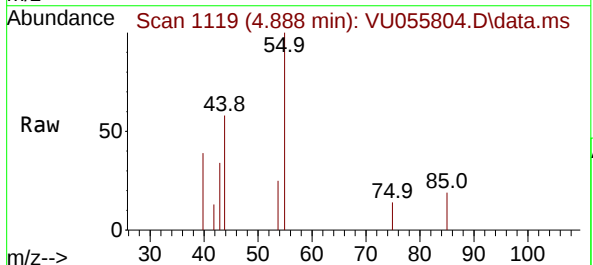
RT: 4.888 min Scan# 1119

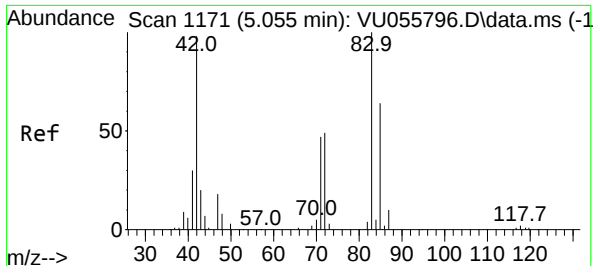
Delta R.T. 0.045 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Tgt Ion: 55	Resp: 2676
Ion Ratio	Lower Upper
55 100	
85 0.0	13.3 19.9#
58 0.0	6.5 9.7#
42 0.0	5.9 8.9#





#41

Tetrahydrofuran

Concen: 0.743 ug/l

RT: 5.075 min Scan# 1171

Delta R.T. 0.020 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

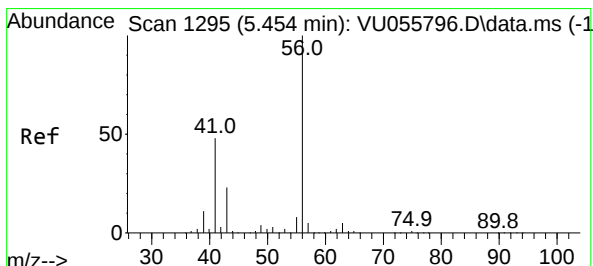
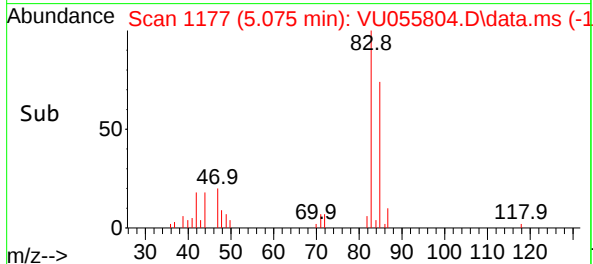
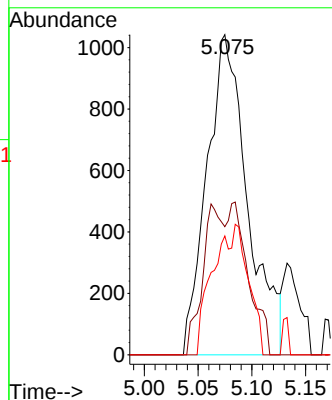
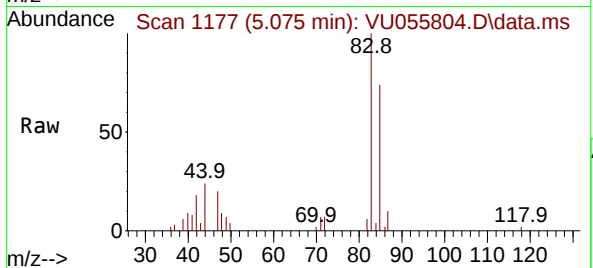
Tgt Ion: 42	Resp: 2744
Ion Ratio	Lower Upper
42	100
72	24.7 40.9 61.3
71	17.7 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#42

1-Chlorobutane

Concen: 0.291 ug/l

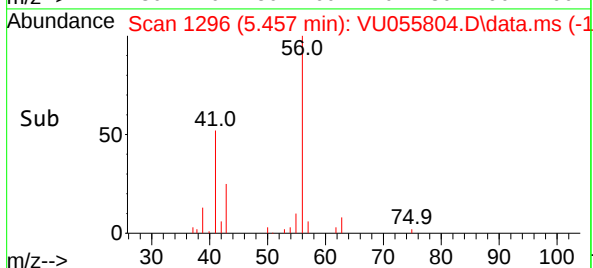
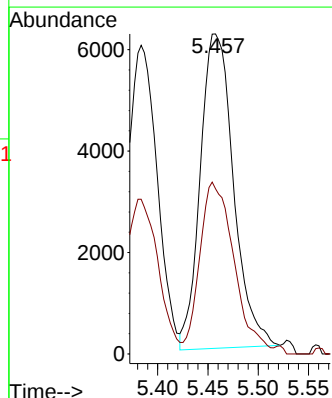
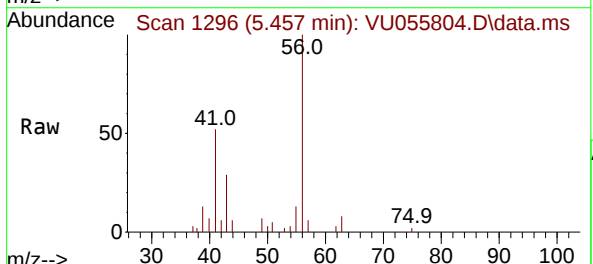
RT: 5.457 min Scan# 1296

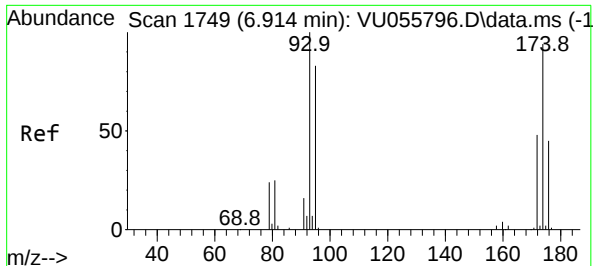
Delta R.T. 0.003 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Tgt Ion: 56	Resp: 14263
Ion Ratio	Lower Upper
56	100
41	53.0 25.2 75.6





#43

Dibromomethane

Concen: 0.336 ug/l

RT: 6.917 min Scan# 1750

Delta R.T. 0.003 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 93 Resp: 464

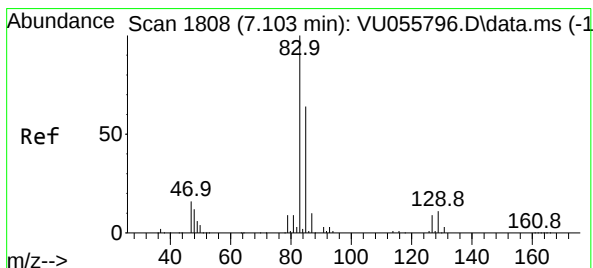
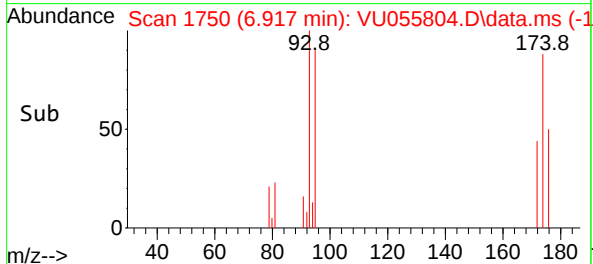
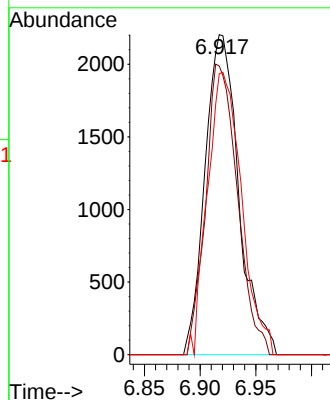
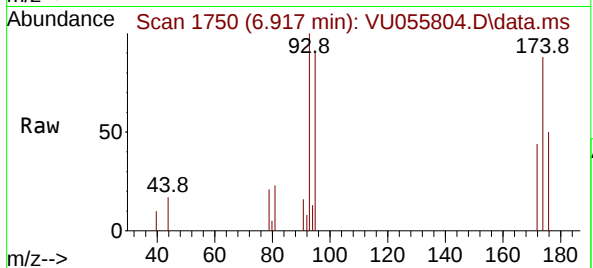
Ion	Ratio	Lower	Upper
93	100		
95	85.4	67.0	100.6
174	89.2	73.8	110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#44

Bromodichloromethane

Concen: 0.324 ug/l

RT: 7.104 min Scan# 1808

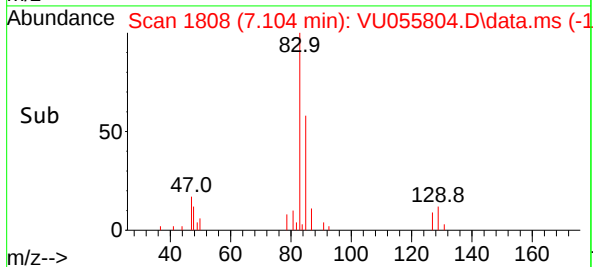
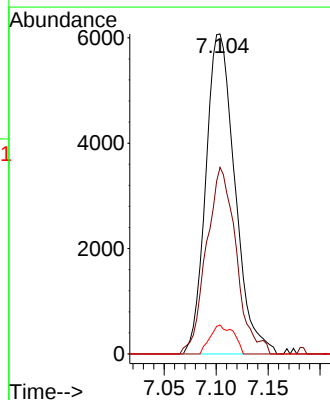
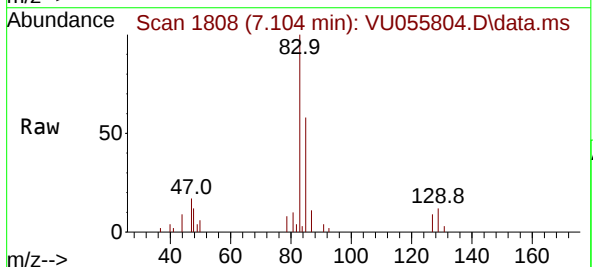
Delta R.T. 0.001 min

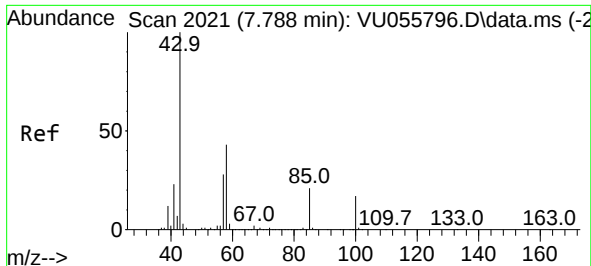
Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Tgt Ion: 83 Resp: 11827

Ion	Ratio	Lower	Upper
83	100		
85	56.4	51.9	77.9
127	8.8	6.7	10.1





#45

4-Methyl-2-Pentanone

Concen: 1.586 ug/l

RT: 7.792 min Scan# 2021

Delta R.T. 0.004 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

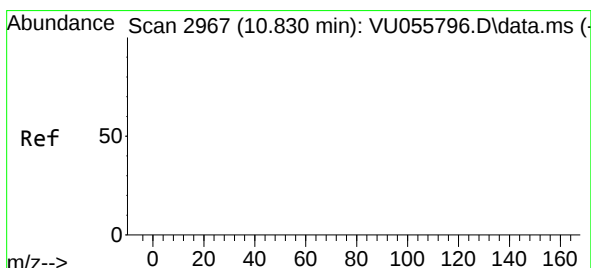
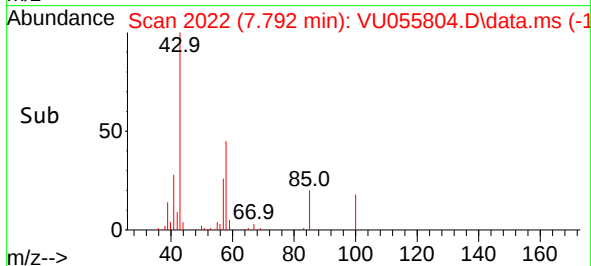
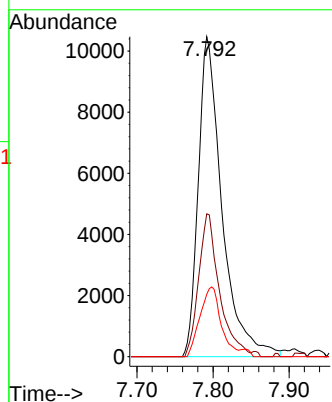
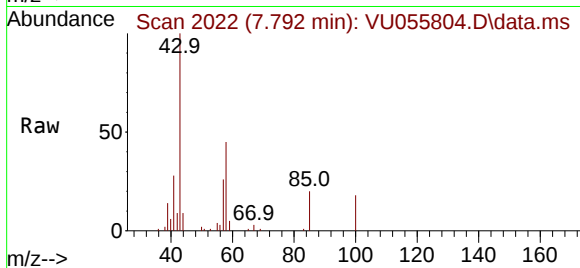
Tgt Ion:	43	Resp:	2265
Ion Ratio	Lower	Upper	
43	100		
58	39.1	20.9	62.8
85	19.4	14.6	21.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#46

t-1,4-Dichloro-2-butene

Concen: 0.364 ug/l m

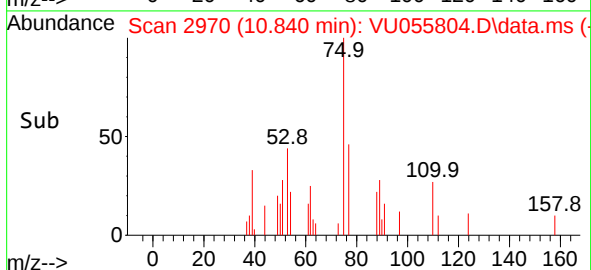
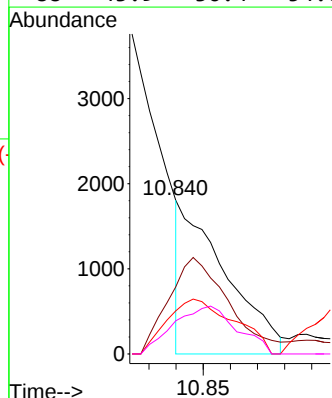
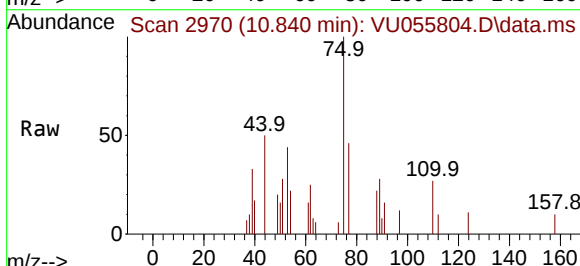
RT: 10.840 min Scan# 2970

Delta R.T. 0.010 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Tgt Ion:	75	Resp:	2066
Ion Ratio	Lower	Upper	
75	100		
53	84.4	73.3	109.9
89	53.7	48.2	72.4
88	43.9	36.4	54.6





#47

Methyl methacrylate

Concen: 0.590 ug/l

RT: 6.969 min Scan# 1766

Delta R.T. 0.010 min

Lab File: VU055804.D

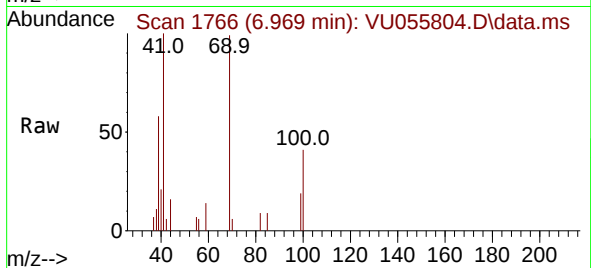
Acq: 18 Oct 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 69 Resp: 672

Ion Ratio Lower Upper

69 100

41 99.1 0.0 209.2

39 56.0 46.7 70.1

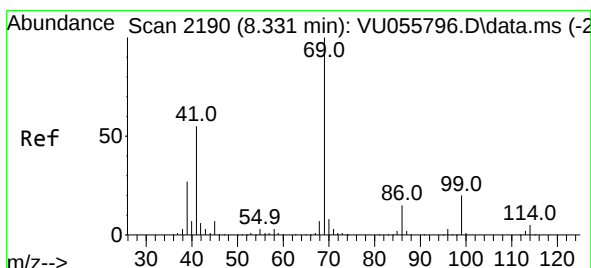
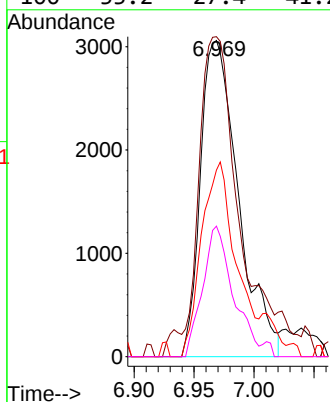
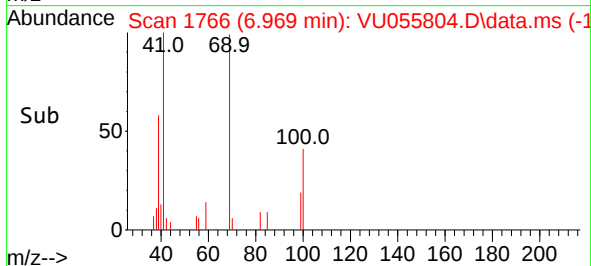
100 33.2 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#48

Ethyl methacrylate

Concen: 0.306 ug/l

RT: 8.342 min Scan# 2193

Delta R.T. 0.011 min

Lab File: VU055804.D

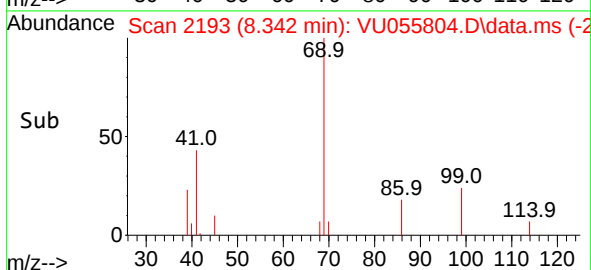
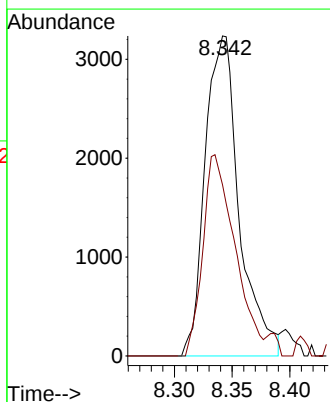
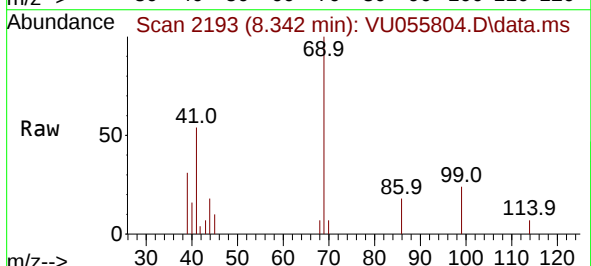
Acq: 18 Oct 2023 17:31

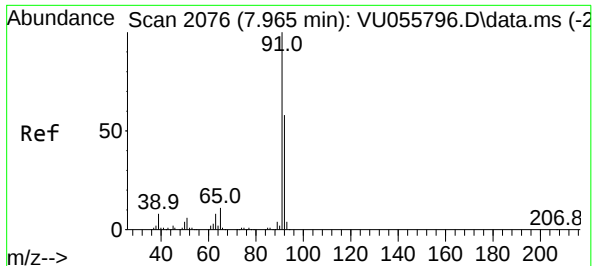
Tgt Ion: 69 Resp: 6628

Ion Ratio Lower Upper

69 100

41 59.2 30.3 90.8





#49

Toluene

Concen: 0.314 ug/l

RT: 7.972 min Scan# 2076

Delta R.T. 0.007 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 92 Resp: 2069

Ion Ratio Lower Upper

92 100

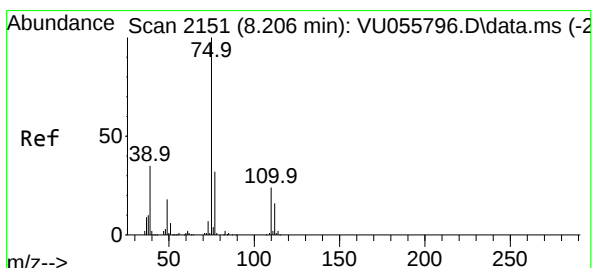
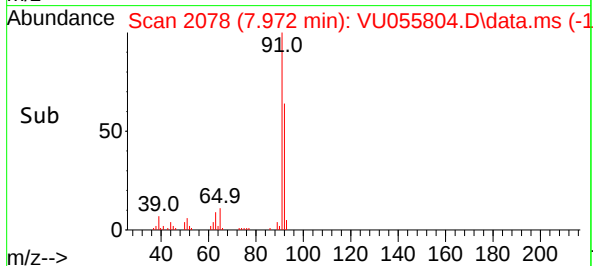
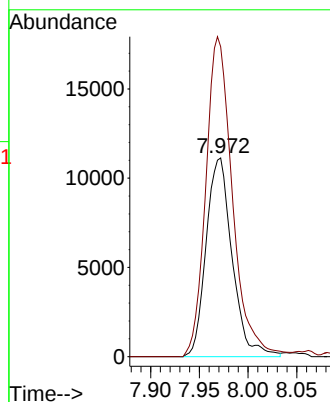
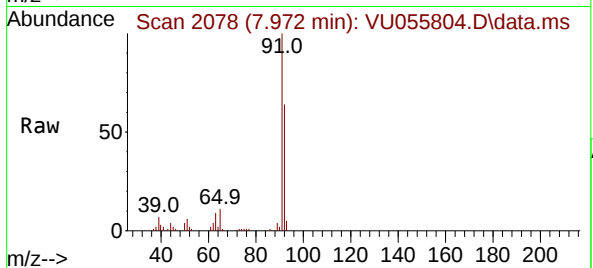
91 164.8 143.0 214.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#50

t-1,3-Dichloropropene

Concen: 0.311 ug/l

RT: 8.213 min Scan# 2153

Delta R.T. 0.007 min

Lab File: VU055804.D

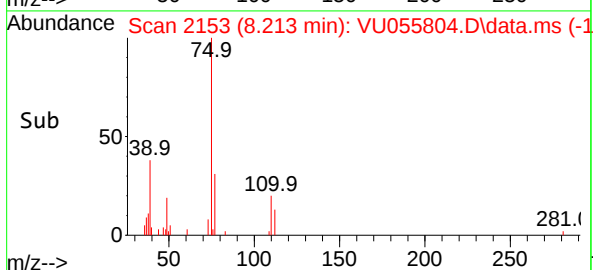
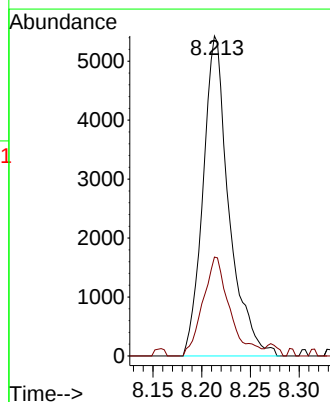
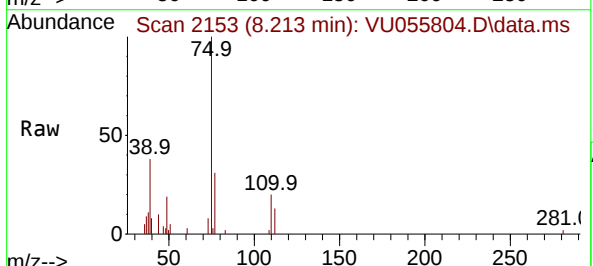
Acq: 18 Oct 2023 17:31

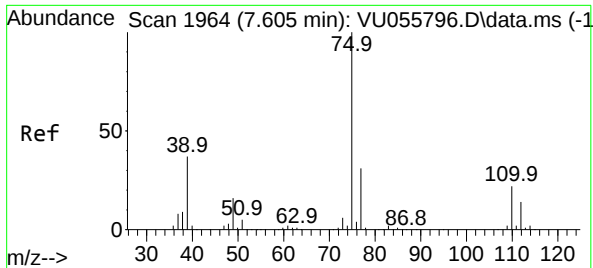
Tgt Ion: 75 Resp: 10035

Ion Ratio Lower Upper

75 100

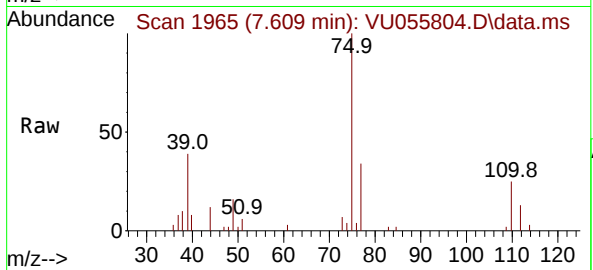
77 30.9 25.3 37.9





#51
 cis-1,3-Dichloropropene
 Concen: 0.315 ug/l
 RT: 7.609 min Scan# 1964
 Delta R.T. 0.003 min
 Lab File: VU055804.D
 Acq: 18 Oct 2023 17:31

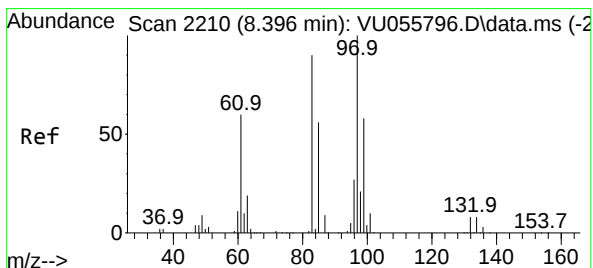
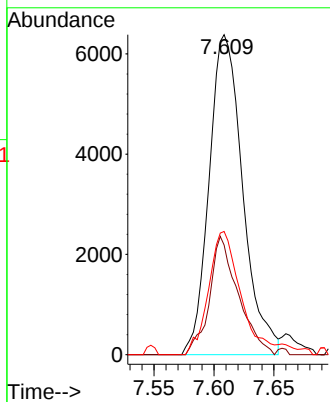
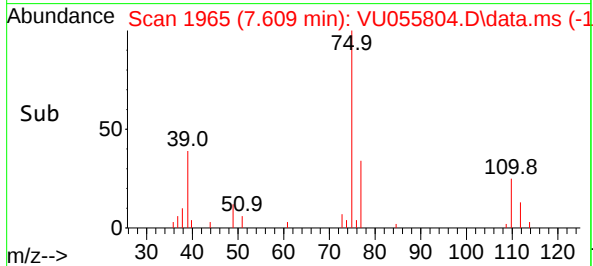
Instrument : MSVOA_U
 ClientSampleId : LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 75 Resp: 1243
 Ion Ratio Lower Upper
 75 100
 77 34.3 25.7 38.5
 39 38.5 32.8 49.2

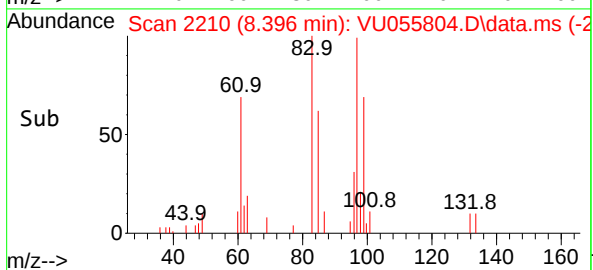
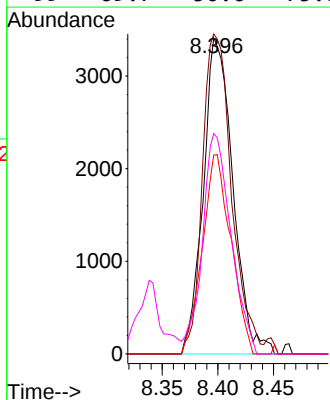
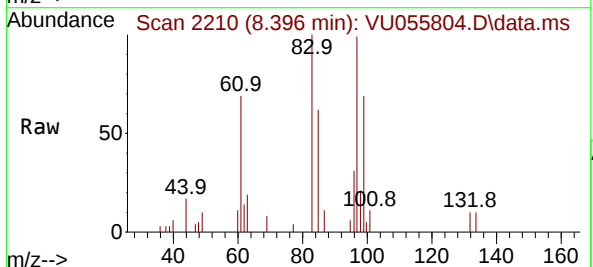
Manual Integrations
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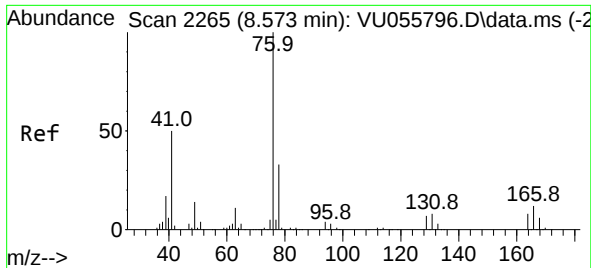
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023



#52
 1,1,2-Trichloroethane
 Concen: 0.320 ug/l
 RT: 8.396 min Scan# 2210
 Delta R.T. 0.000 min
 Lab File: VU055804.D
 Acq: 18 Oct 2023 17:31

Tgt Ion: 97 Resp: 6313
 Ion Ratio Lower Upper
 97 100
 83 101.2 71.8 107.8
 85 62.9 45.2 67.8
 99 69.7 50.6 75.8





#53

1,3-Dichloropropane

Concen: 0.328 ug/l

RT: 8.576 min Scan# 2106

Delta R.T. 0.003 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 76 Resp: 11060

Ion Ratio Lower Upper

76 100

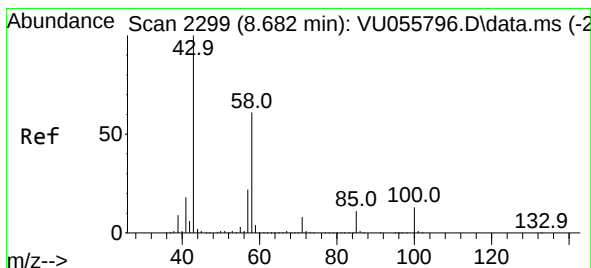
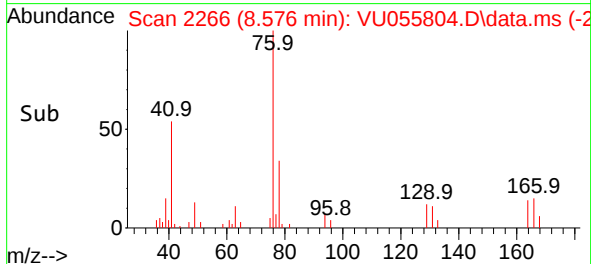
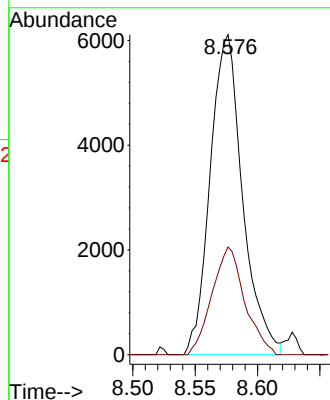
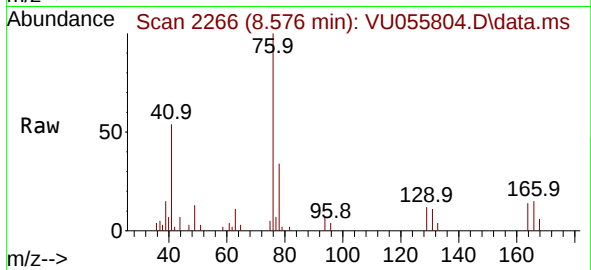
78 34.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#54

2-Hexanone

Concen: 1.282 ug/l

RT: 8.692 min Scan# 2302

Delta R.T. 0.010 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

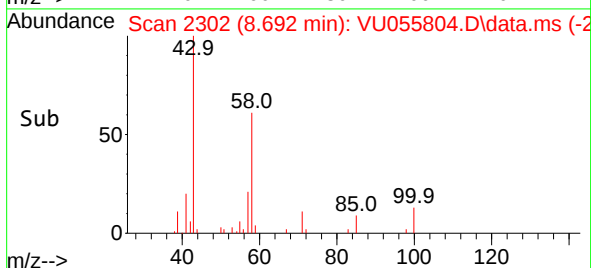
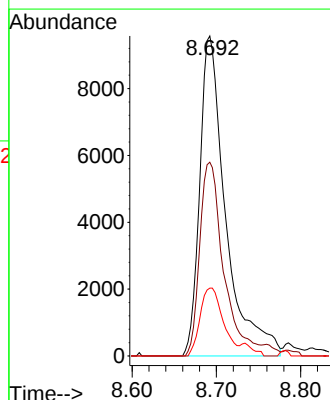
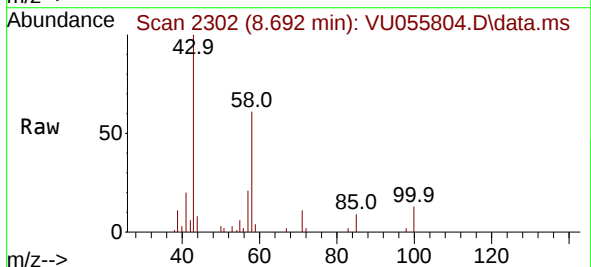
Tgt Ion: 43 Resp: 20512

Ion Ratio Lower Upper

43 100

58 55.6 38.2 78.2

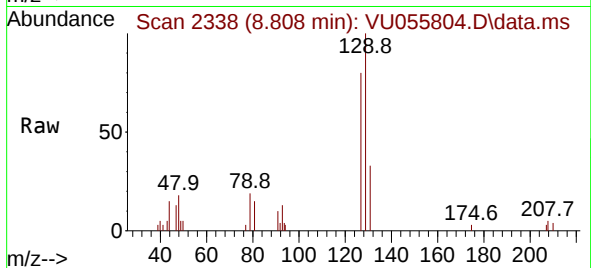
57 18.9 0.0 39.1





#55
Dibromochloromethane
Concen: 0.310 ug/l
RT: 8.808 min Scan# 2138
Delta R.T. 0.001 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

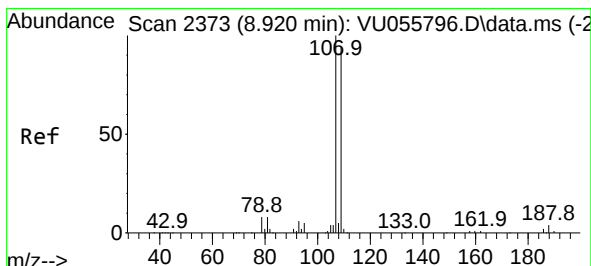
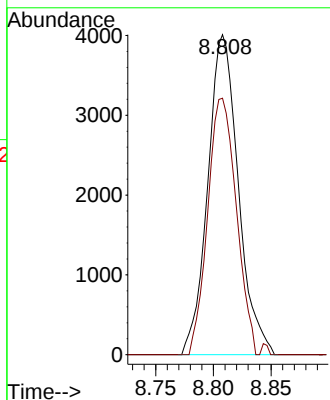
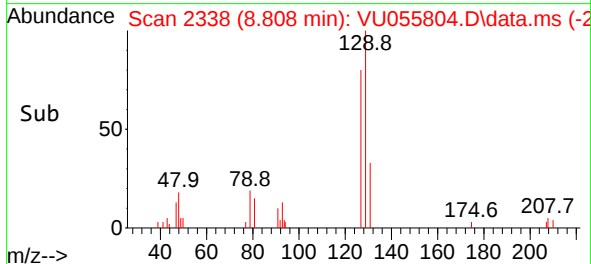
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion:129 Resp: 7380
Ion Ratio Lower Upper
129 100
127 75.0 61.4 92.0

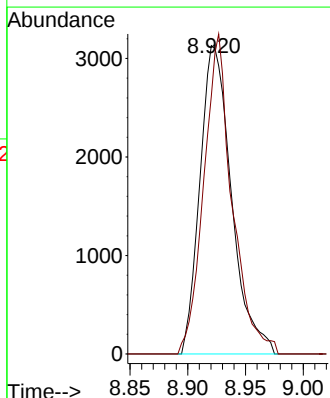
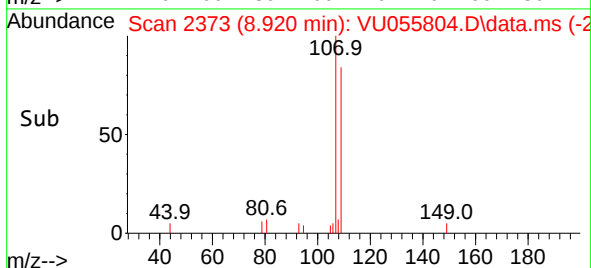
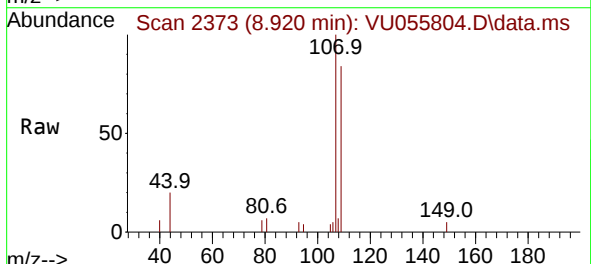
Manual Integrations
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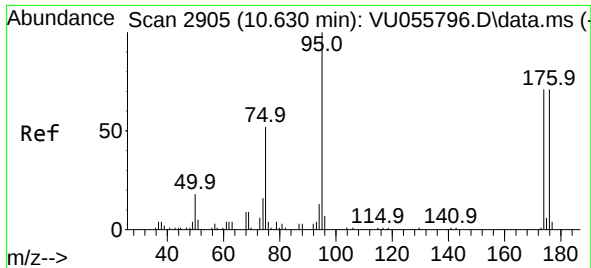
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#56
1,2-Dibromoethane
Concen: 0.330 ug/l
RT: 8.920 min Scan# 2373
Delta R.T. 0.000 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

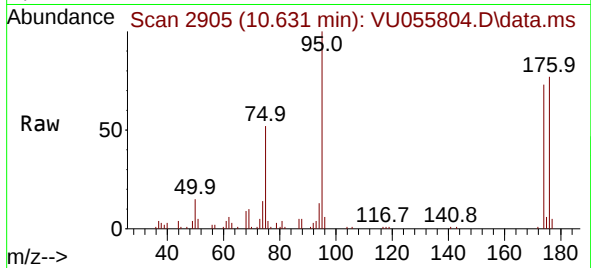
Tgt Ion:107 Resp: 5947
Ion Ratio Lower Upper
107 100
109 93.3 0.0 184.4





#57
4-Bromofluorobenzene
Concen: 0.881 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.001 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

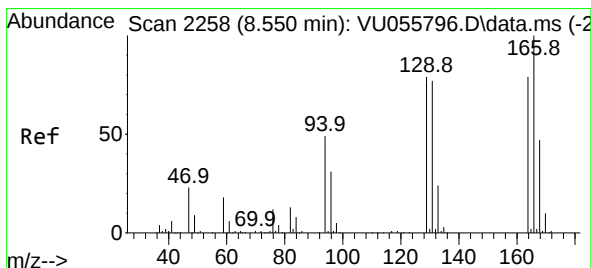
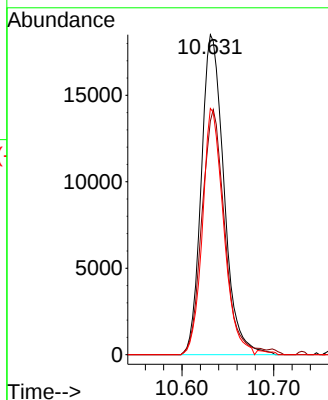
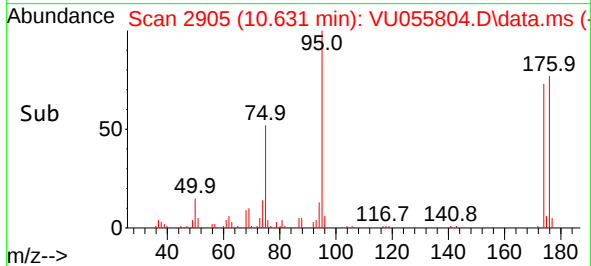
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2023



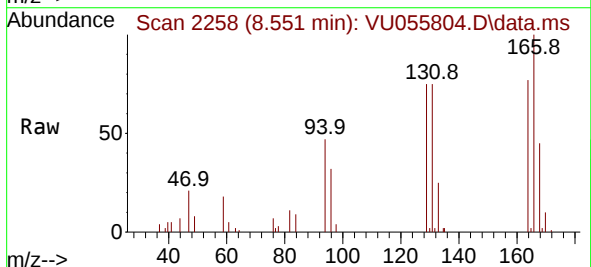
Tgt Ion: 95 Resp: 3188
Ion Ratio Lower Upper
95 100
174 76.9 63.3 94.9
176 72.0 59.3 88.9

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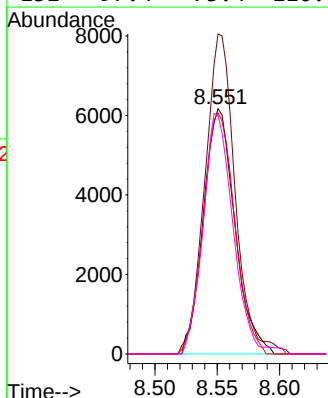
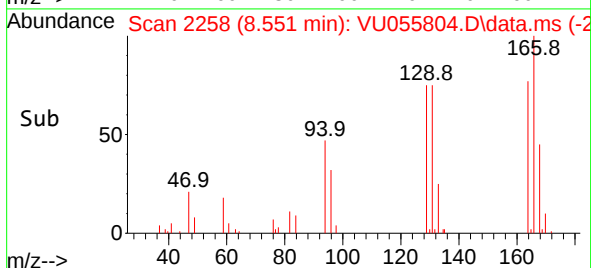
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#58
Tetrachloroethene
Concen: 0.361 ug/l
RT: 8.551 min Scan# 2258
Delta R.T. 0.001 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31



Tgt Ion:164 Resp: 10855
Ion Ratio Lower Upper
164 100
166 130.4 99.6 149.4
129 98.3 78.6 117.8
131 97.4 73.4 110.0





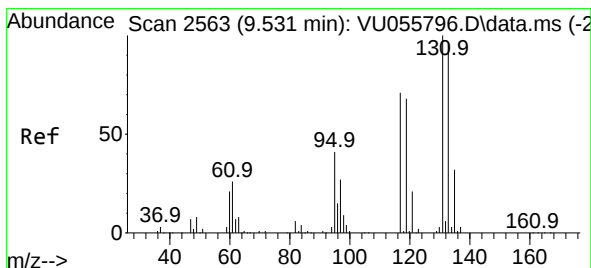
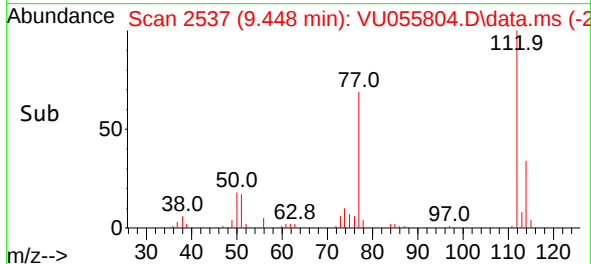
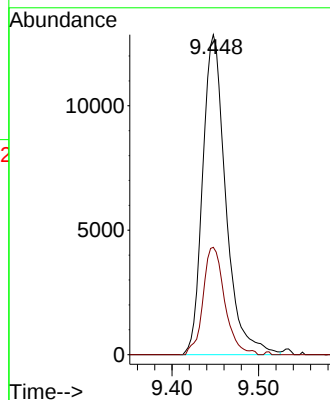
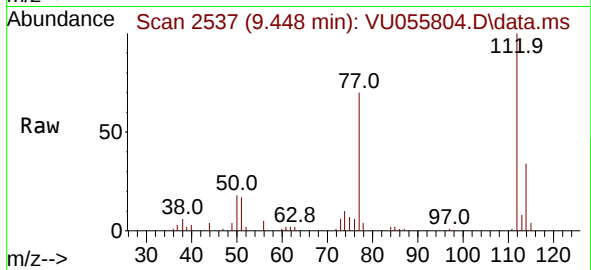
#59
Chlorobenzene
Concen: 0.328 ug/l
RT: 9.448 min Scan# 2536
Delta R.T. 0.004 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2023

Tgt Ion:112 Resp: 2383
Ion Ratio Lower Upper
112 100
114 33.5 25.6 38.4

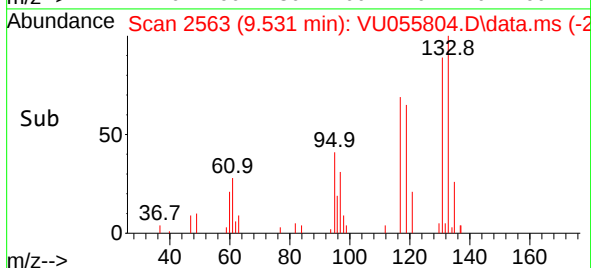
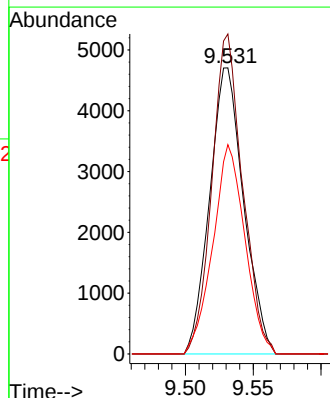
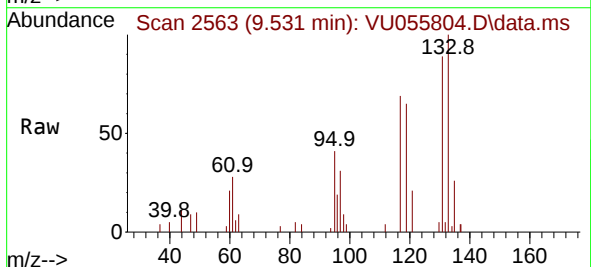
Manual Integrations
APPROVED

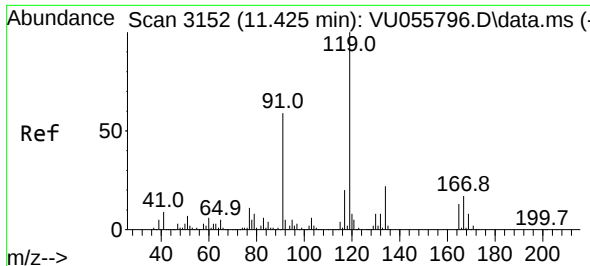
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 0.317 ug/l
RT: 9.531 min Scan# 2563
Delta R.T. 0.000 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Tgt Ion:131 Resp: 8206
Ion Ratio Lower Upper
131 100
133 100.9 77.8 116.6
119 69.0 55.2 82.8





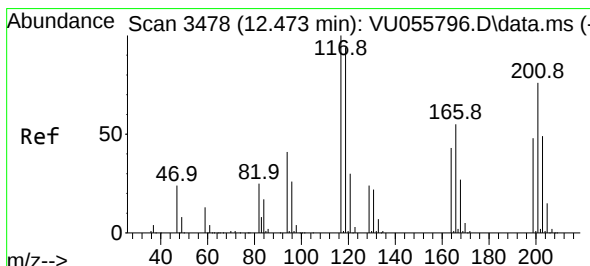
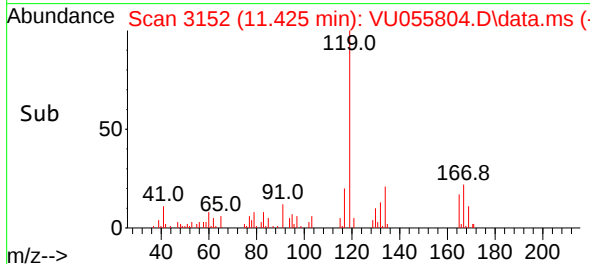
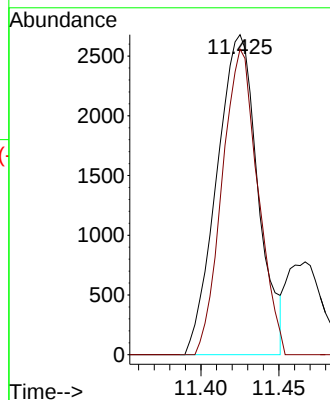
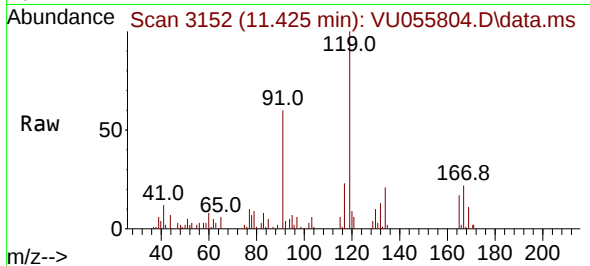
#61
Pentachloroethane
Concen: 0.281 ug/l
RT: 11.425 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:117 Resp: 4925
Ion Ratio Lower Upper
117 100
167 82.7 56.7 85.1

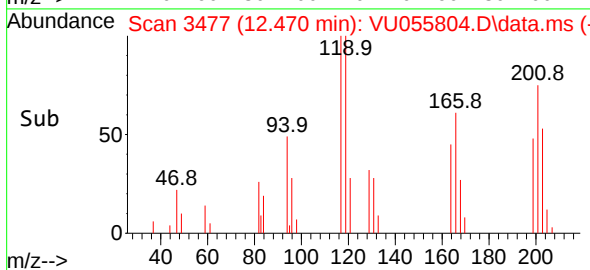
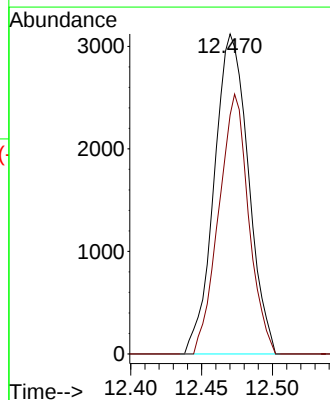
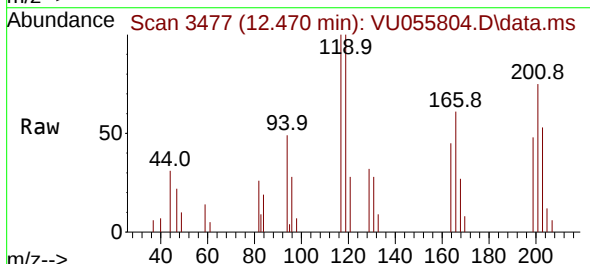
Manual Integrations
APPROVED

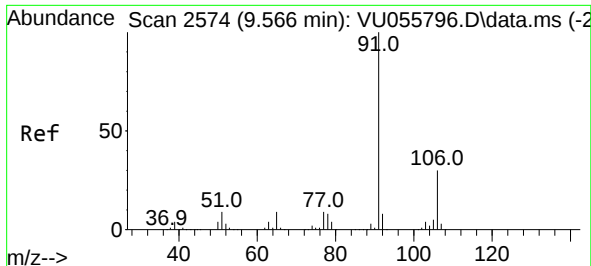
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#62
Hexachloroethane
Concen: 0.282 ug/l
RT: 12.470 min Scan# 3477
Delta R.T. -0.003 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Tgt Ion:117 Resp: 5237
Ion Ratio Lower Upper
117 100
201 71.3 59.6 89.4





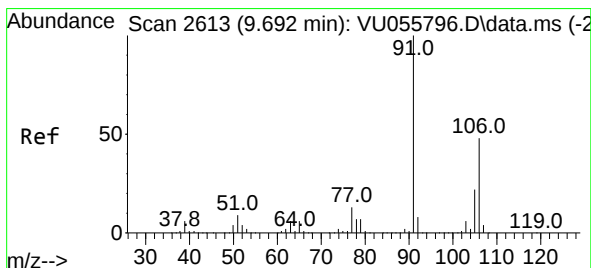
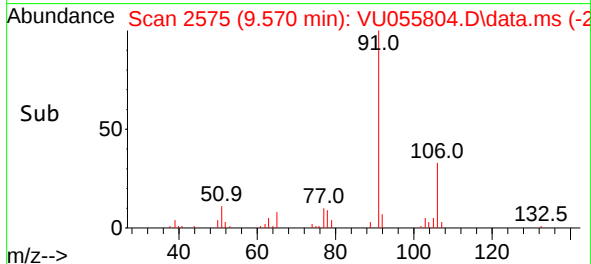
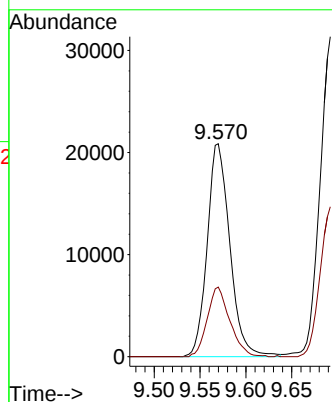
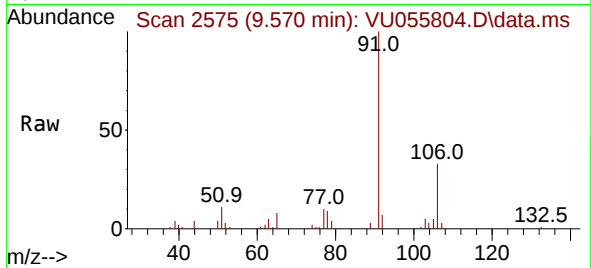
#63
Ethyl Benzene
Concen: 0.291 ug/l
RT: 9.570 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 91 Resp: 35874
Ion Ratio Lower Upper
91 100
106 32.7 24.2 36.2

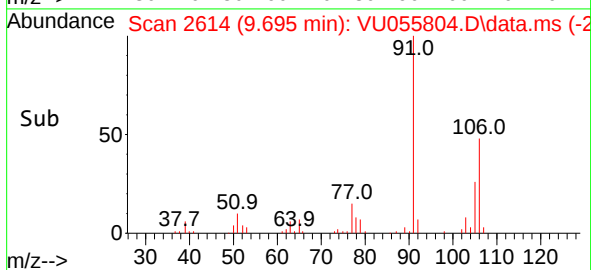
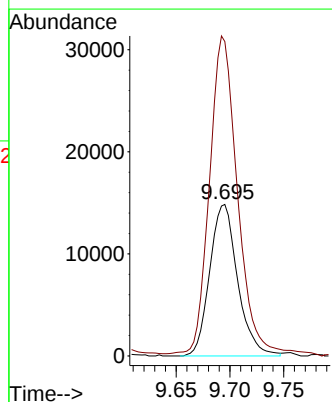
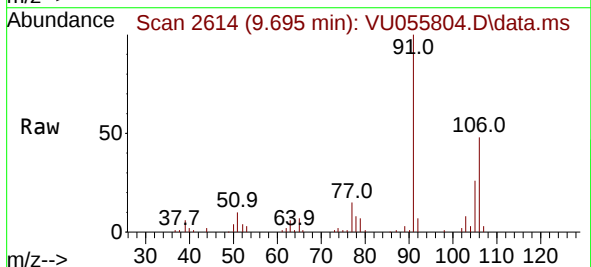
Manual Integrations
APPROVED

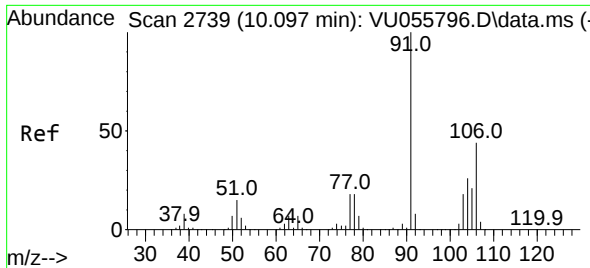
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#64
m/p-Xylenes
Concen: 0.564 ug/l
RT: 9.695 min Scan# 2614
Delta R.T. 0.003 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Tgt Ion:106 Resp: 26783
Ion Ratio Lower Upper
106 100
91 215.3 167.3 250.9





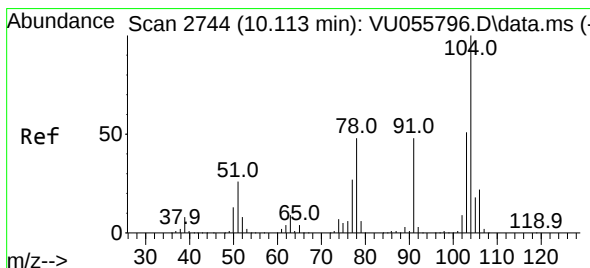
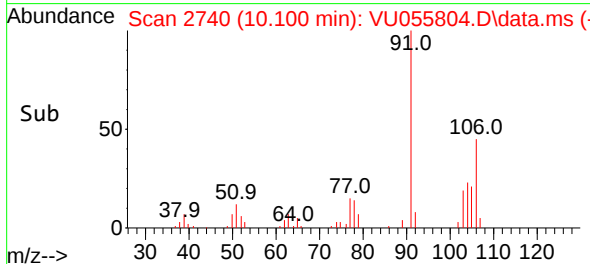
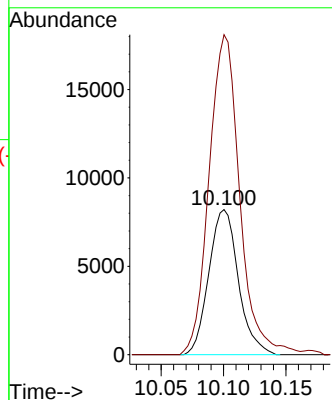
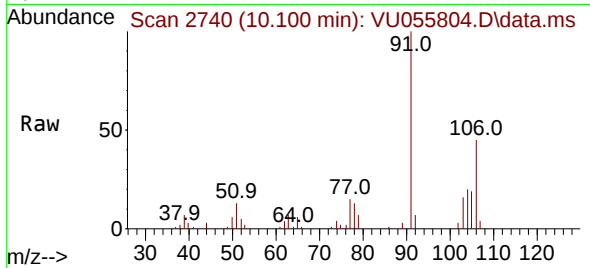
#65
o-Xylene
Concen: 0.291 ug/l
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:106 Resp: 1355
Ion Ratio Lower Upper
106 100
91 228.3 109.3 327.9

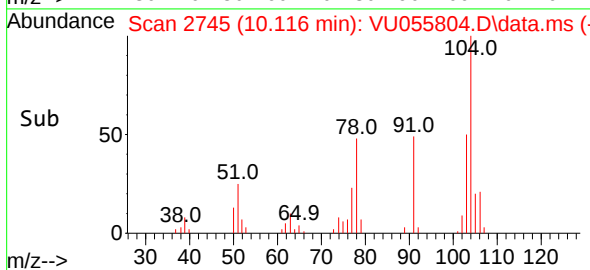
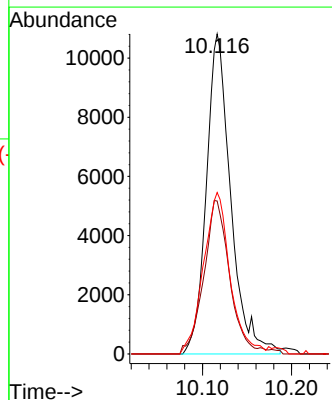
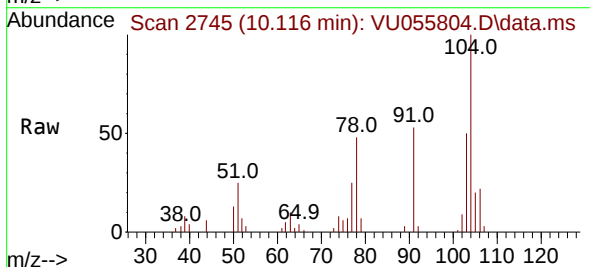
Manual Integrations
APPROVED

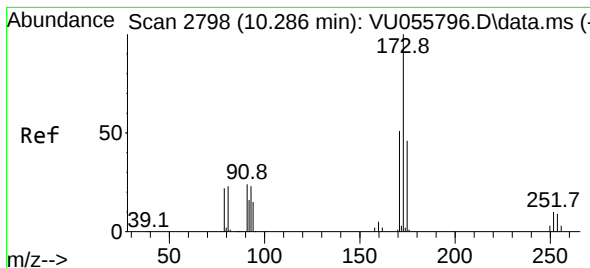
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#66
Styrene
Concen: 0.282 ug/l
RT: 10.116 min Scan# 2745
Delta R.T. 0.003 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Tgt Ion:104 Resp: 20544
Ion Ratio Lower Upper
104 100
78 50.9 39.7 59.5
103 54.9 44.8 67.2





#67

Bromoform

Concen: 0.302 ug/l

RT: 10.290 min Scan# 21

Delta R.T. 0.004 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

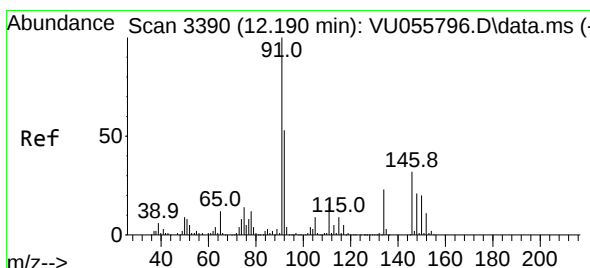
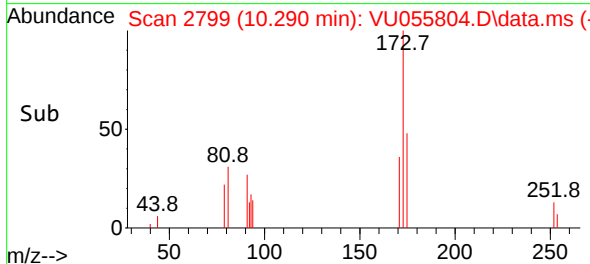
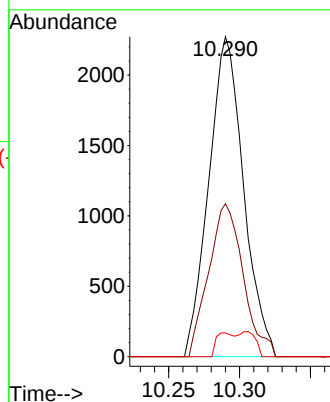
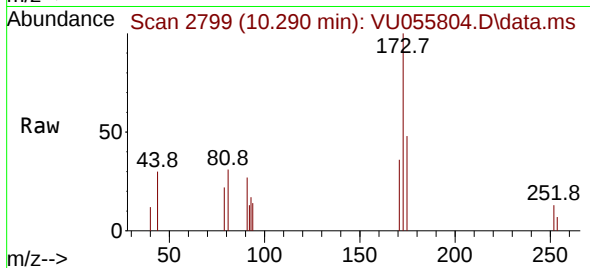
Tgt Ion:173	Resp:	3860
Ion Ratio	Lower	Upper
173	100	
175	47.6	39.0 58.6
254	3.9	7.4 11.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#68

1,2-Dichlorobenzene-d4

Concen: 0.915 ug/l

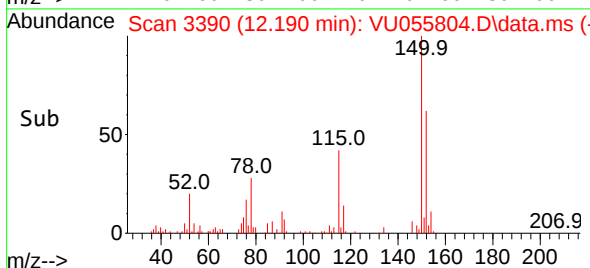
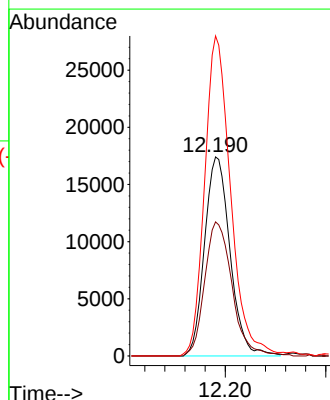
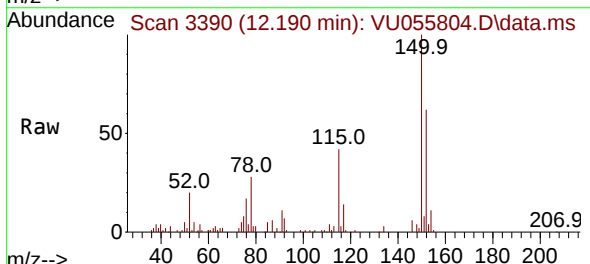
RT: 12.190 min Scan# 3390

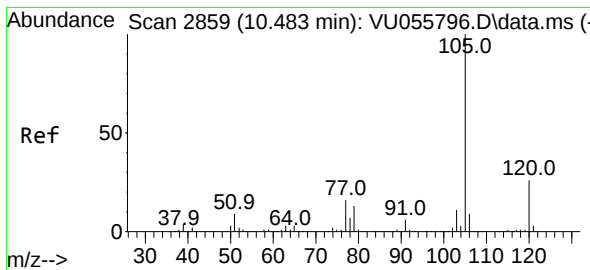
Delta R.T. 0.000 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Tgt Ion:152	Resp:	30681
Ion Ratio	Lower	Upper
152	100	
115	72.0	0.0 308.8
150	163.4	0.0 635.0





#69

Isopropylbenzene

Concen: 0.275 ug/l

RT: 10.483 min Scan# 2859

Delta R.T. -0.000 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

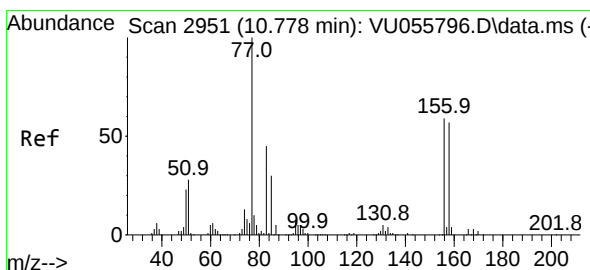
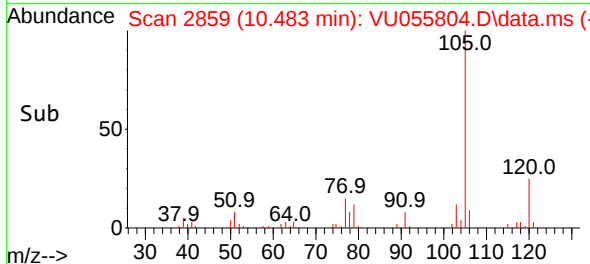
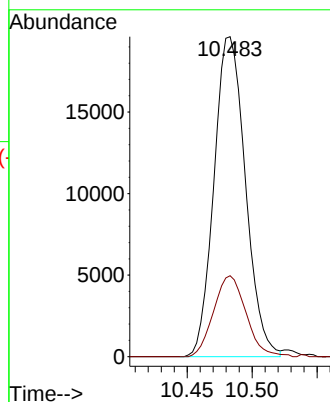
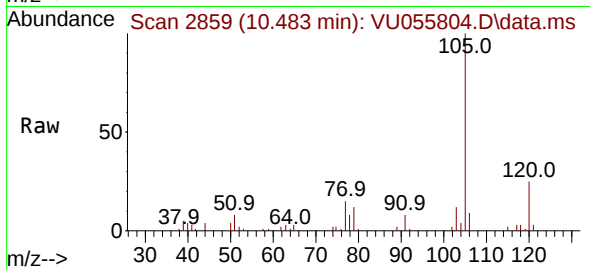
Tgt Ion:105 Resp: 33015
 Ion Ratio Lower Upper
 105 100
 120 26.1 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#70

1,1,2,2-Tetrachloroethane

Concen: 0.321 ug/l

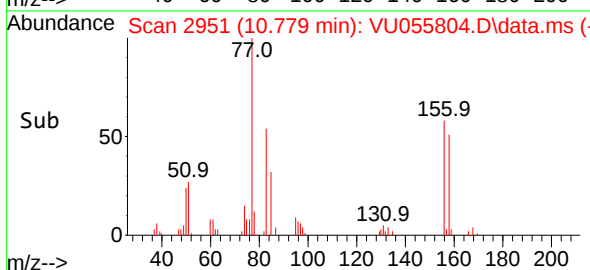
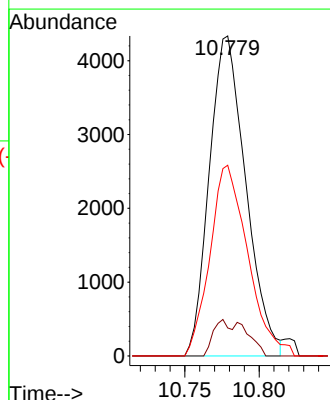
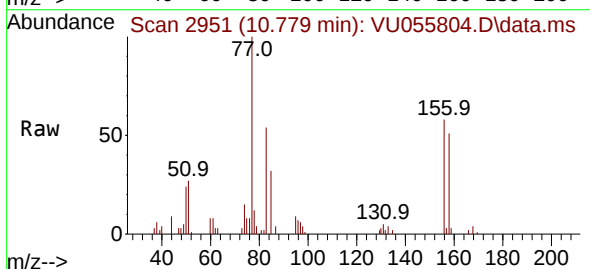
RT: 10.779 min Scan# 2951

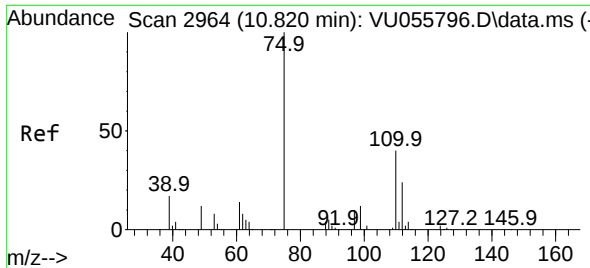
Delta R.T. 0.001 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

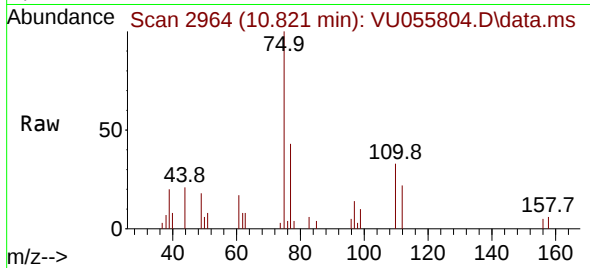
Tgt Ion: 83 Resp: 7408
 Ion Ratio Lower Upper
 83 100
 131 5.6 7.2 10.8#
 85 61.8 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 0.291 ug/l m
RT: 10.821 min Scan# 2964
Delta R.T. 0.001 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

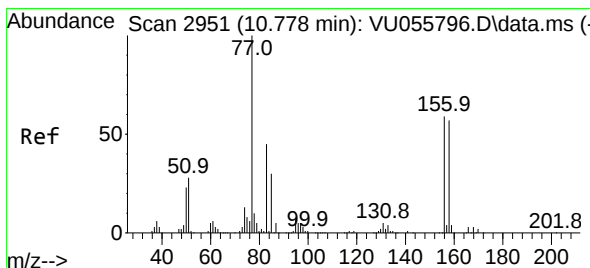
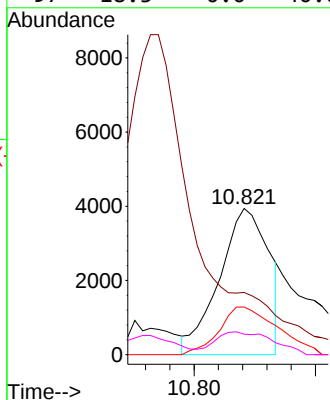
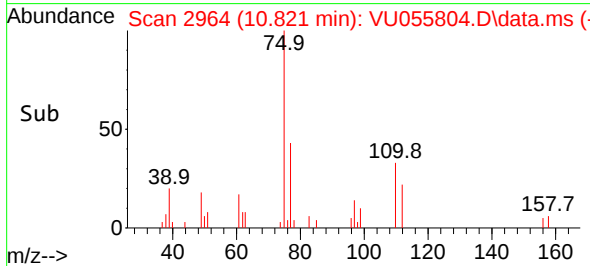
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



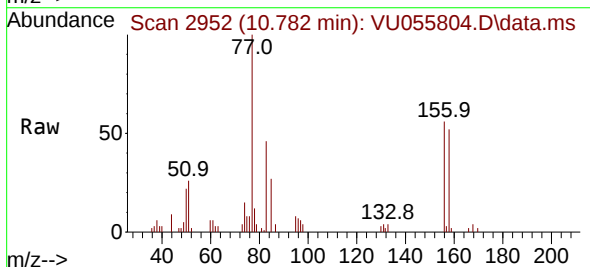
Tgt Ion:	75	Resp:	5569
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	116.4
110	38.6	0.0	74.6
97	18.3	0.0	40.0

Manual Integrations
APPROVED

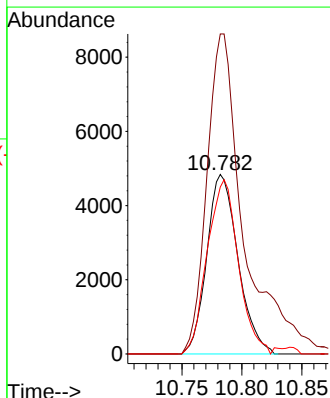
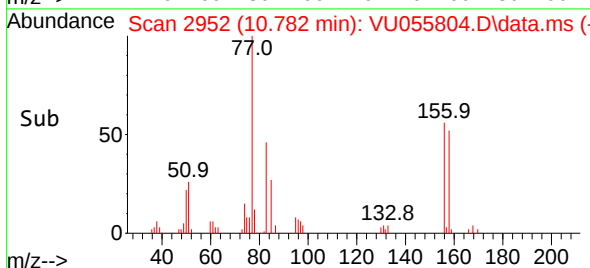
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

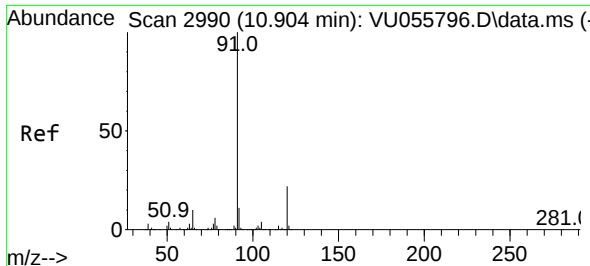


#72
Bromobenzene
Concen: 0.306 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.004 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31



Tgt Ion:	156	Resp:	8758
Ion Ratio	Lower	Upper	
156	100		
77	211.4	0.0	343.0
158	96.7	0.0	194.8





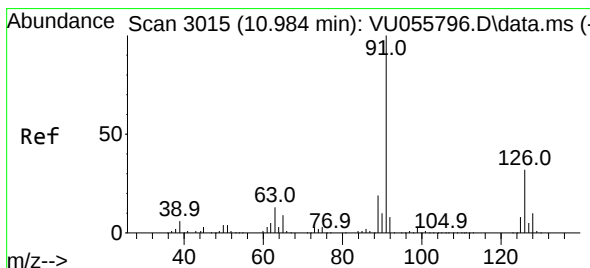
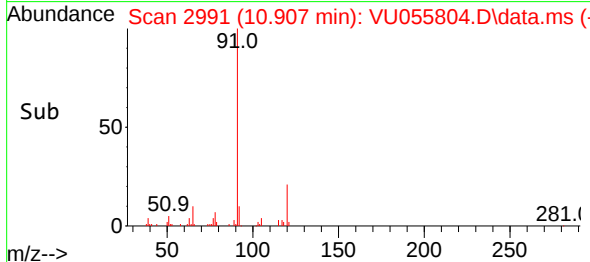
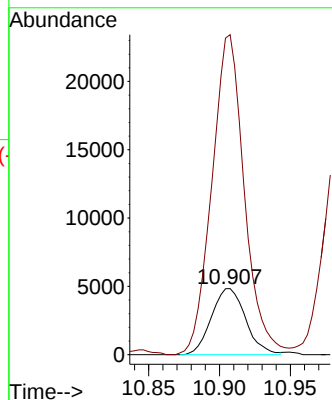
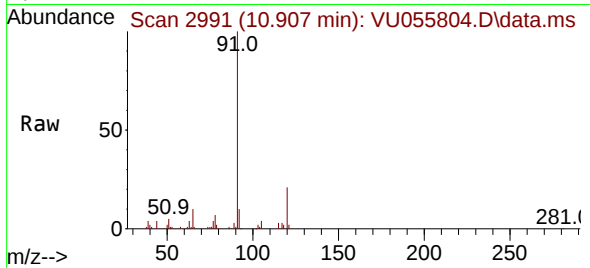
#73
n-propylbenzene
Concen: 0.263 ug/l
RT: 10.907 min Scan# 2991
Delta R.T. 0.003 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:120 Resp: 8124
Ion Ratio Lower Upper
120 100
91 460.2 369.8 554.6

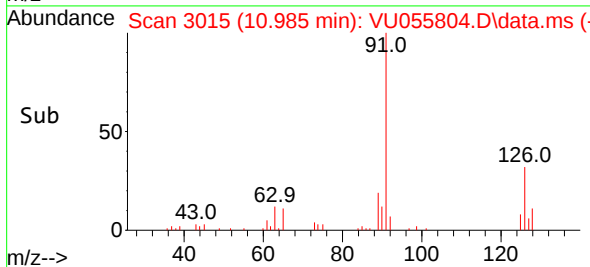
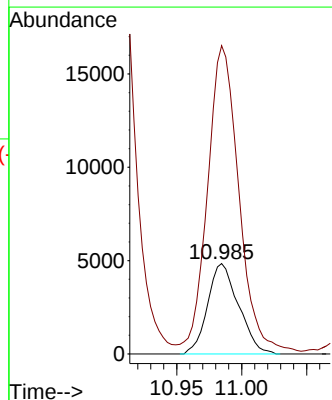
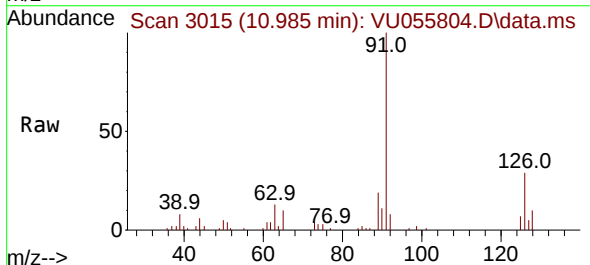
Manual Integrations
APPROVED

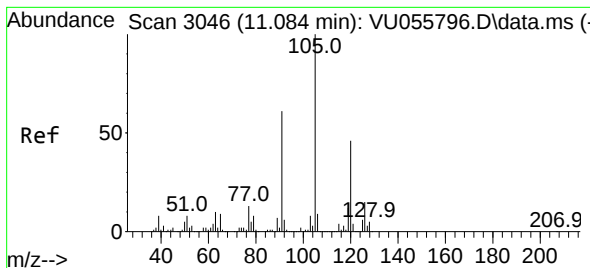
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#74
2-Chlorotoluene
Concen: 0.278 ug/l
RT: 10.985 min Scan# 3015
Delta R.T. 0.001 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Tgt Ion:126 Resp: 7992
Ion Ratio Lower Upper
126 100
91 342.7 0.0 610.0





#75

1,3,5-Trimethylbenzene

Concen: 0.266 ug/l

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU055804.D

Acq: 18 Oct 2023 17:31

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion:105 Resp: 27210

Ion Ratio Lower Upper

105 100

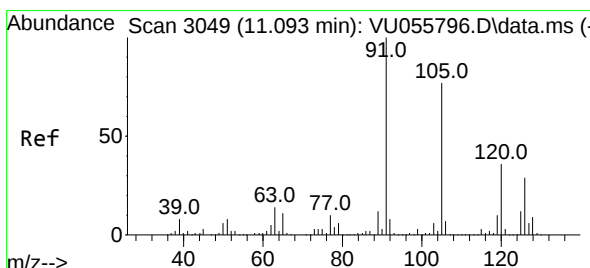
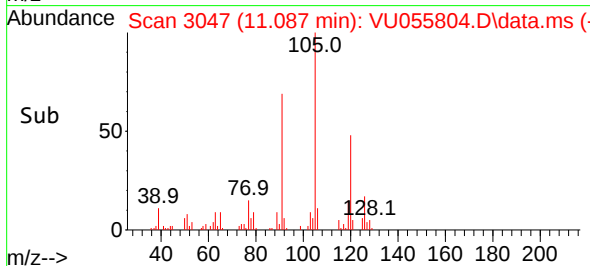
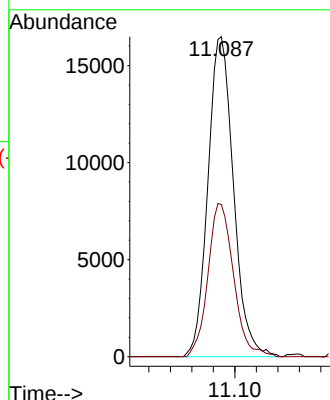
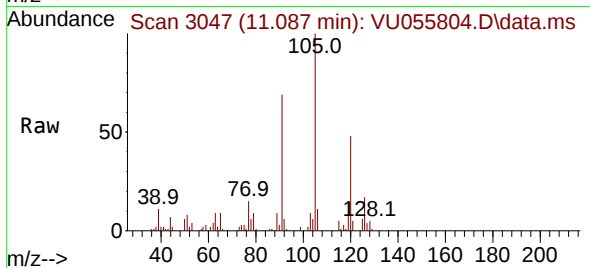
120 48.0 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#76

4-Chlorotoluene

Concen: 0.280 ug/l

RT: 11.097 min Scan# 3050

Delta R.T. 0.004 min

Lab File: VU055804.D

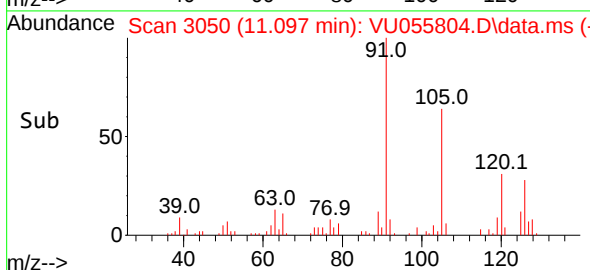
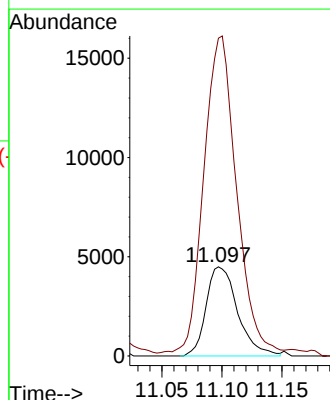
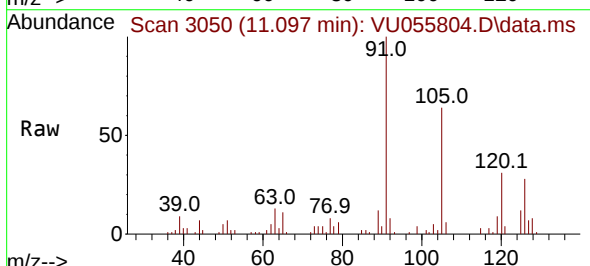
Acq: 18 Oct 2023 17:31

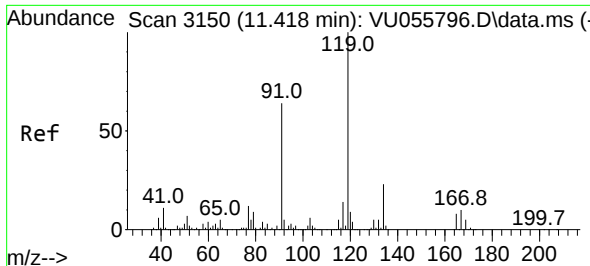
Tgt Ion:126 Resp: 8205

Ion Ratio Lower Upper

126 100

91 366.0 0.0 686.2





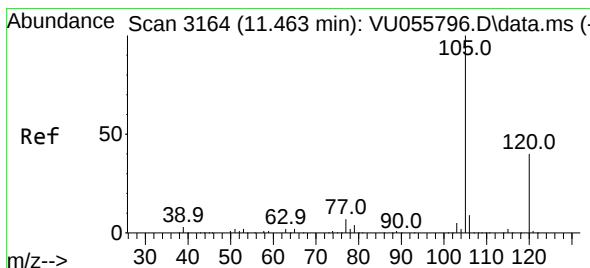
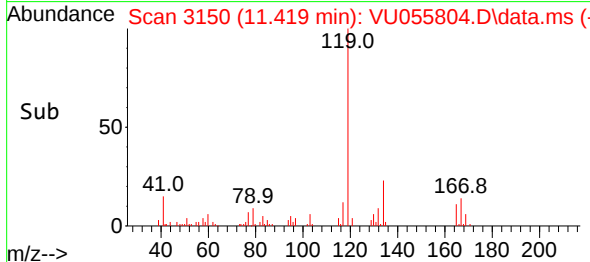
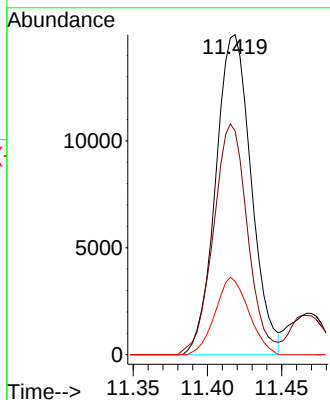
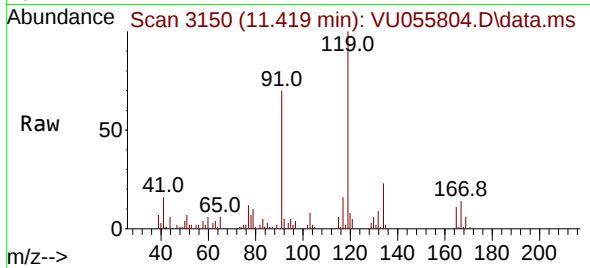
#77
tert-Butylbenzene
Concen: 0.265 ug/l
RT: 11.419 min Scan# 3150
Delta R.T. 0.001 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2023

Tgt Ion:119 Resp: 2493
Ion Ratio Lower Upper
119 100
91 69.4 30.8 92.4
134 22.8 18.0 27.0

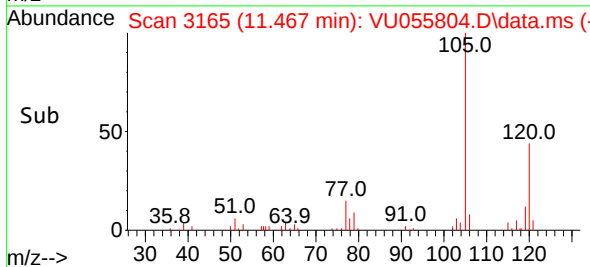
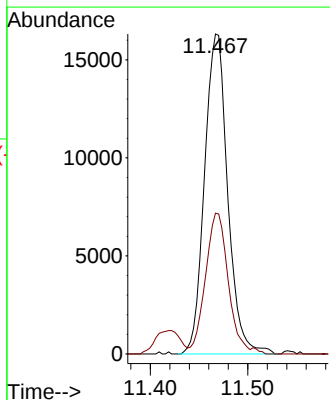
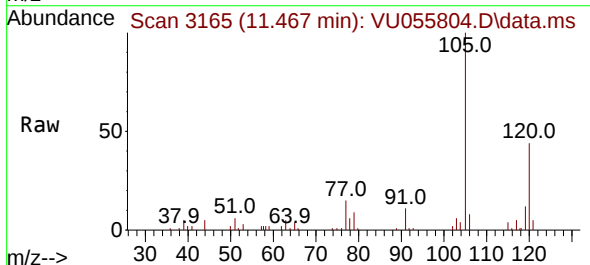
Manual Integrations
APPROVED

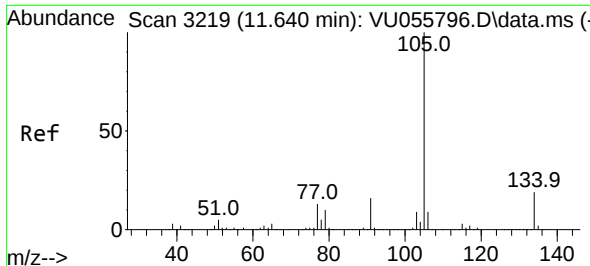
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#78
1,2,4-Trimethylbenzene
Concen: 0.266 ug/l
RT: 11.467 min Scan# 3165
Delta R.T. 0.004 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

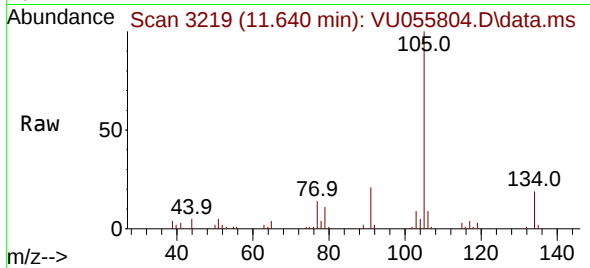
Tgt Ion:105 Resp: 26971
Ion Ratio Lower Upper
105 100
120 43.7 21.9 65.8





#79
 sec-Butylbenzene
 Concen: 0.272 ug/l
 RT: 11.640 min Scan# 3219
 Delta R.T. 0.000 min
 Lab File: VU055804.D
 Acq: 18 Oct 2023 17:31

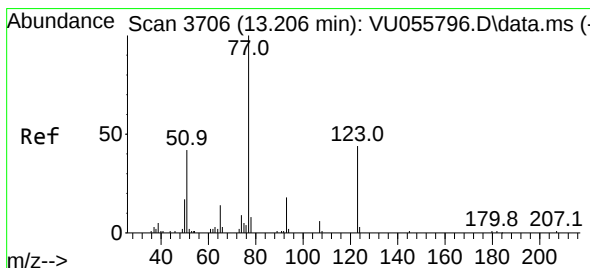
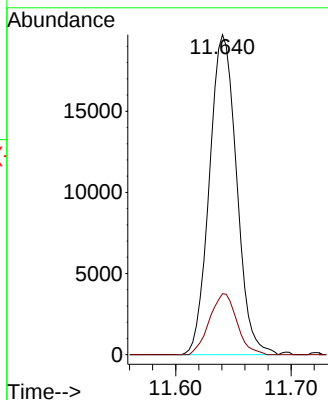
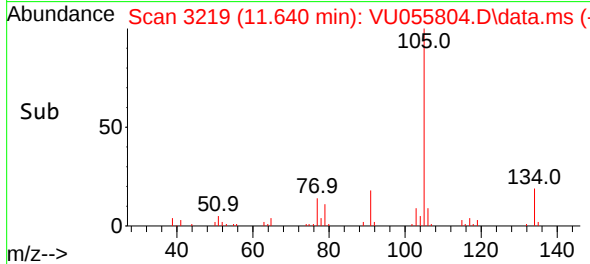
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2023



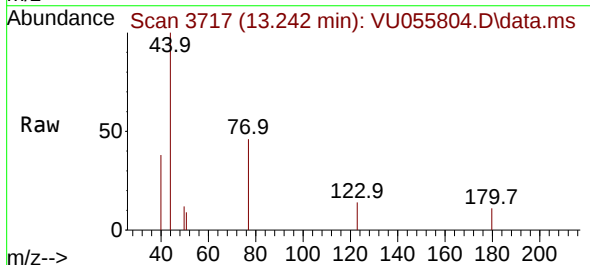
Tgt Ion:105 Resp: 3226
 Ion Ratio Lower Upper
 105 100
 134 19.2 14.9 22.3

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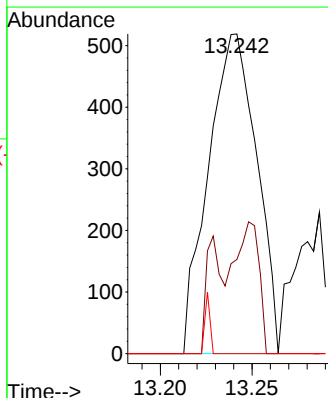
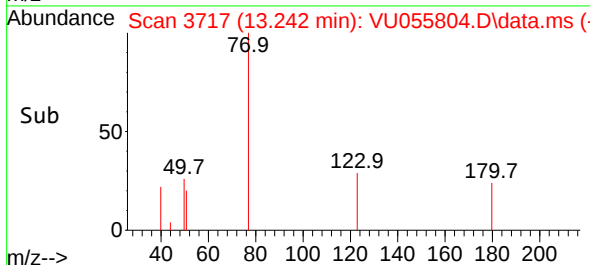
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023

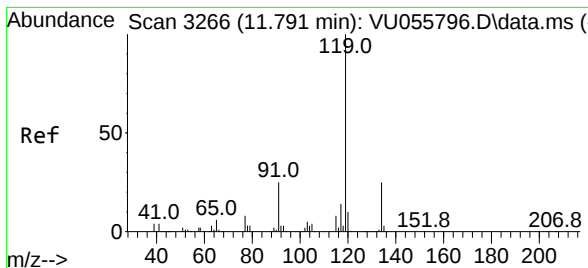


#80
 Nitrobenzene
 Concen: 1.560 ug/l
 RT: 13.242 min Scan# 3717
 Delta R.T. 0.036 min
 Lab File: VU055804.D
 Acq: 18 Oct 2023 17:31



Tgt Ion: 77 Resp: 952
 Ion Ratio Lower Upper
 77 100
 123 20.8 19.7 69.7
 65 0.0 11.5 14.7#





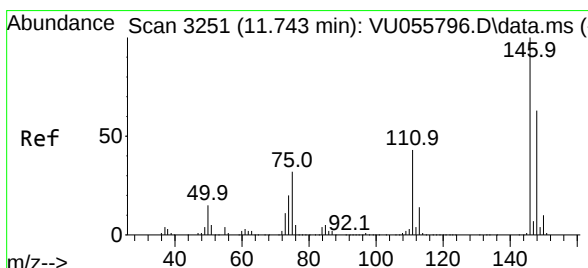
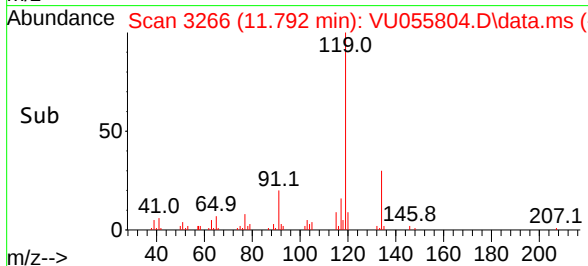
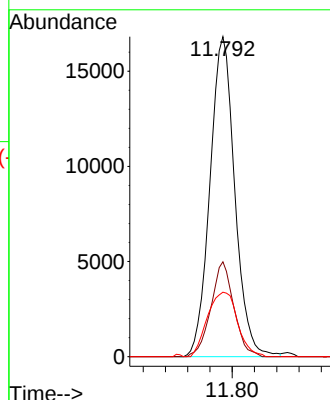
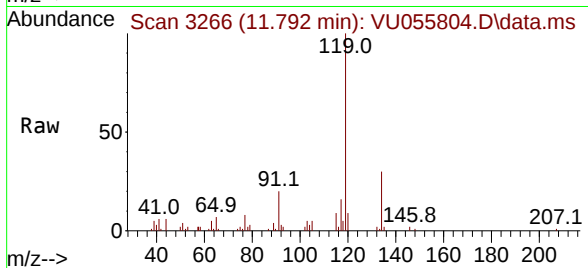
#81
p-Isopropyltoluene
Concen: 0.273 ug/l
RT: 11.792 min Scan# 31
Delta R.T. 0.001 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:119 Resp: 2603
Ion Ratio Lower Upper
119 100
134 27.3 20.2 30.4
91 24.4 19.3 28.9

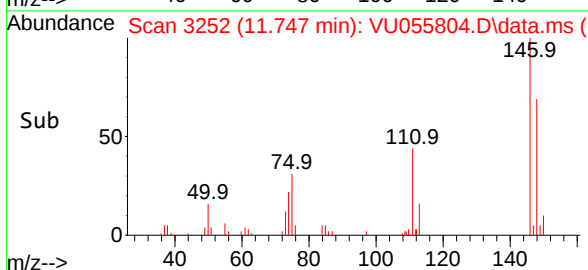
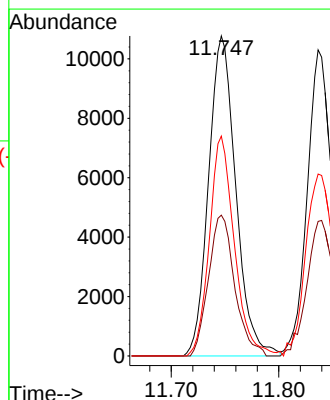
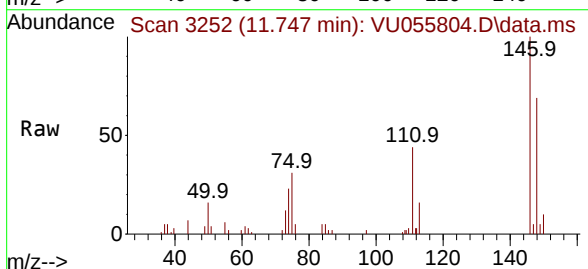
Manual Integrations
APPROVED

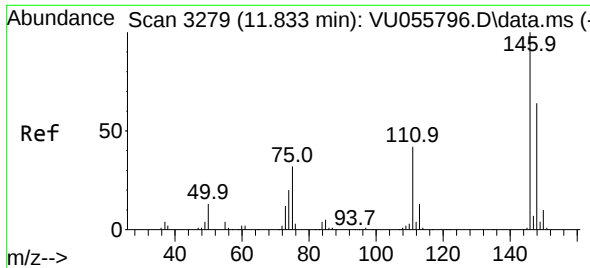
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#82
1,3-Dichlorobenzene
Concen: 0.324 ug/l
RT: 11.747 min Scan# 3252
Delta R.T. 0.004 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

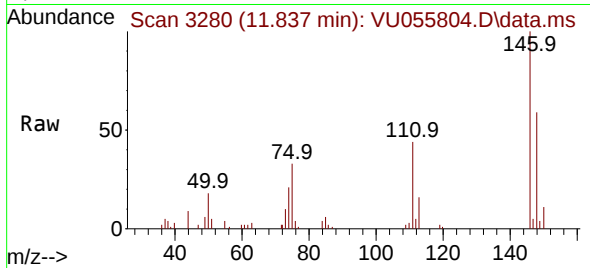
Tgt Ion:146 Resp: 18944
Ion Ratio Lower Upper
146 100
111 42.5 32.6 49.0
148 63.0 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 0.312 ug/l m
RT: 11.837 min Scan# 31
Delta R.T. 0.004 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

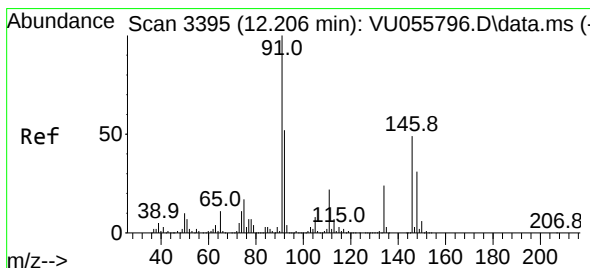
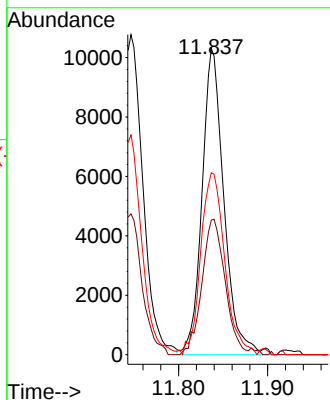
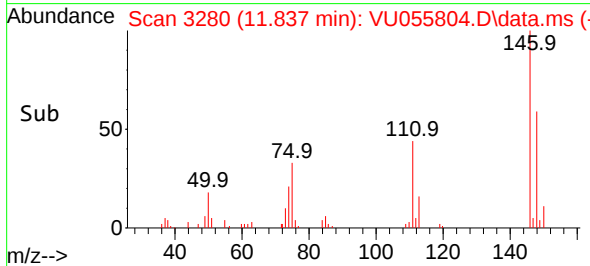
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



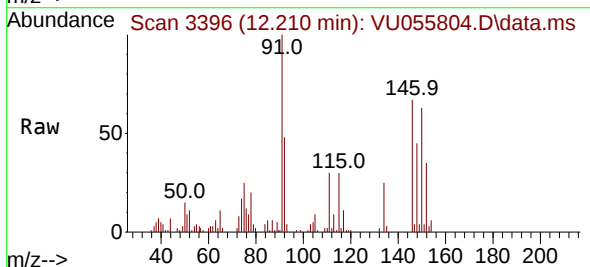
Tgt Ion:146 Resp: 1764
Ion Ratio Lower Upper
146 100
111 45.6 31.6 47.4
148 67.7 50.3 75.5

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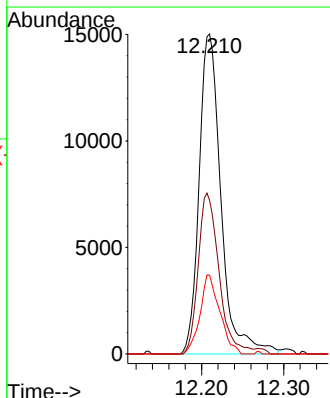
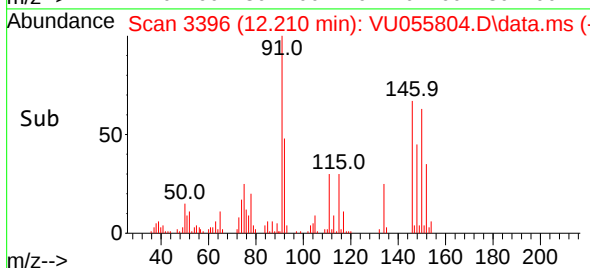
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

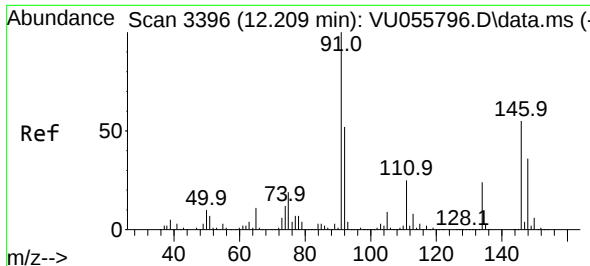


#84
n-Butylbenzene
Concen: 0.342 ug/l
RT: 12.210 min Scan# 3396
Delta R.T. 0.004 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31



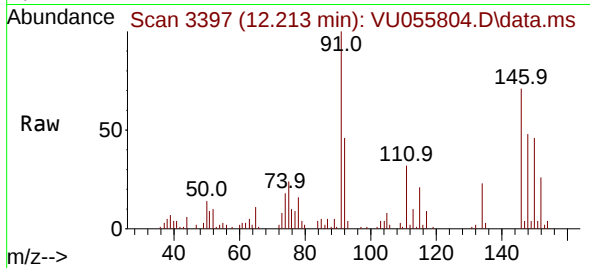
Tgt Ion: 91 Resp: 27806
Ion Ratio Lower Upper
91 100
92 47.8 40.8 61.2
134 22.3 18.4 27.6





#85
1,2-Dichlorobenzene
Concen: 0.338 ug/l
RT: 12.213 min Scan# 3396
Delta R.T. 0.004 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

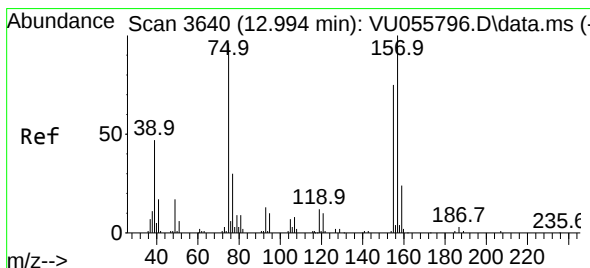
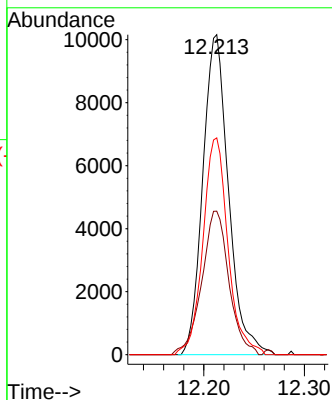
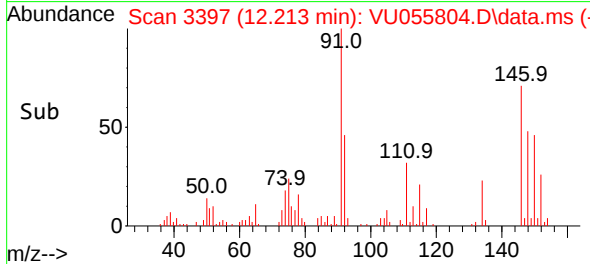
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



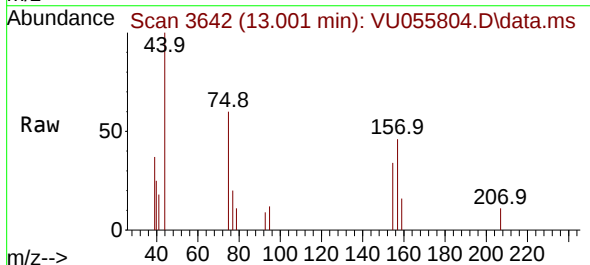
Tgt Ion:146 Resp: 18018
Ion Ratio Lower Upper
146 100
111 47.4 21.6 64.6
148 66.1 32.1 96.5

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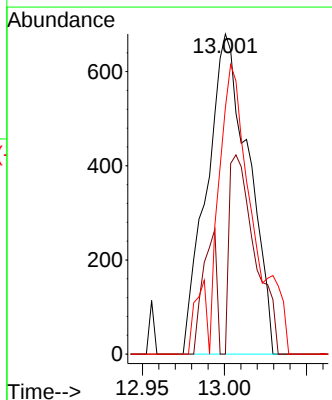
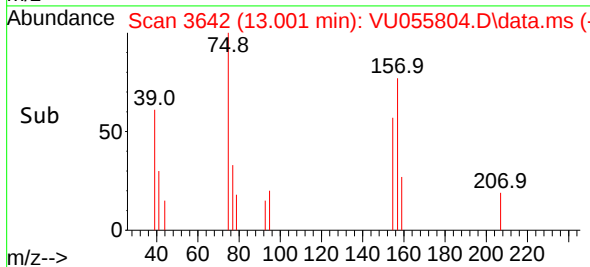
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

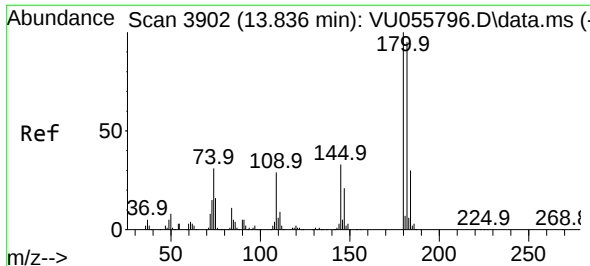


#86
1,2-Dibromo-3-Chloropropane
Concen: 0.364 ug/l
RT: 13.001 min Scan# 3642
Delta R.T. 0.007 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31



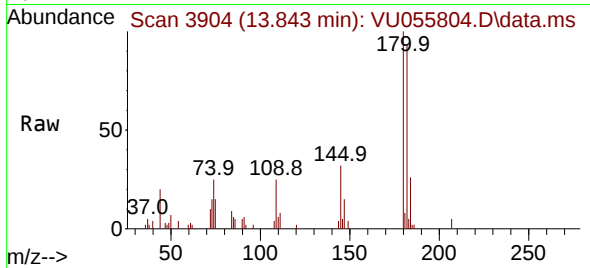
Tgt Ion: 75 Resp: 1199
Ion Ratio Lower Upper
75 100
155 38.4 61.8 92.8#
157 78.2 80.2 120.4#





#87
1,2,4-Trichlorobenzene
Concen: 0.408 ug/l
RT: 13.843 min Scan# 3904
Delta R.T. 0.007 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

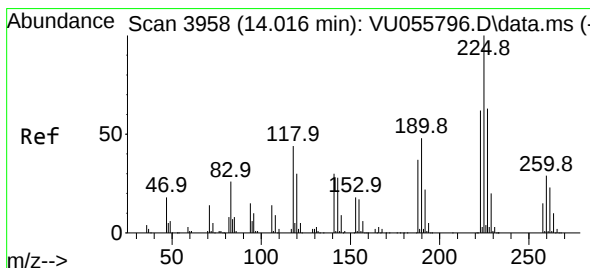
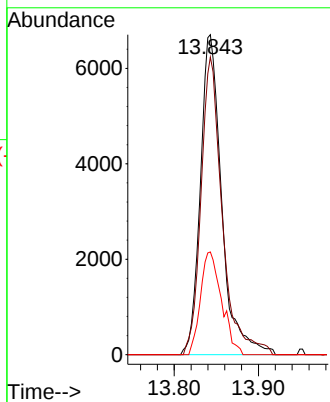
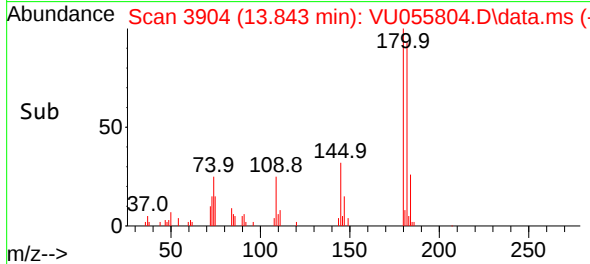
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion:180 Resp: 11828
Ion Ratio Lower Upper
180 100
182 92.6 75.8 113.6
145 31.7 23.9 35.9

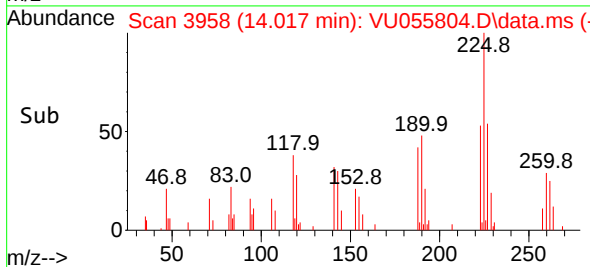
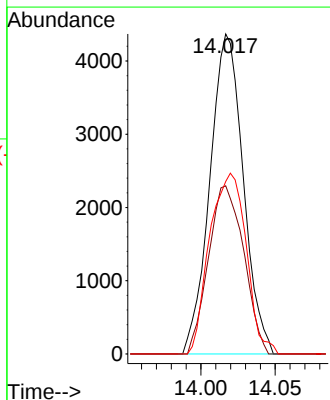
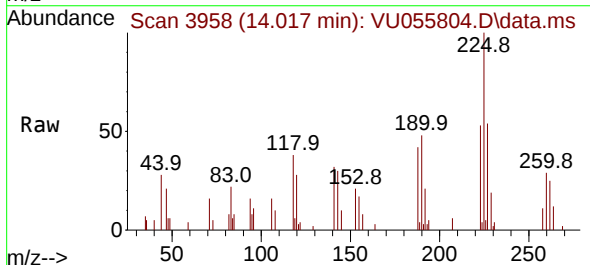
Manual Integrations
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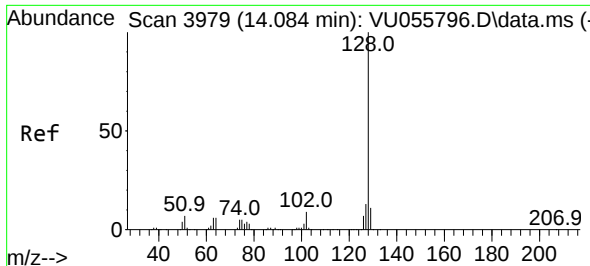
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#88
Hexachlorobutadiene
Concen: 0.339 ug/l
RT: 14.017 min Scan# 3958
Delta R.T. 0.001 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

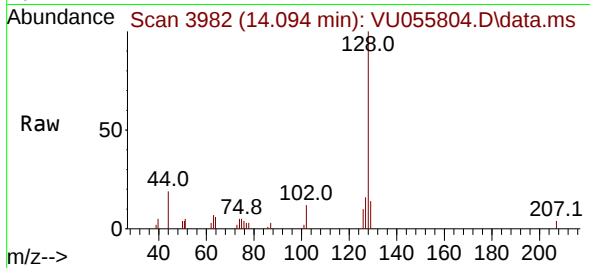
Tgt Ion:225 Resp: 6826
Ion Ratio Lower Upper
225 100
223 55.5 50.2 75.4
227 62.0 51.5 77.3





#89
Naphthalene
Concen: 0.409 ug/l
RT: 14.094 min Scan# 3979
Delta R.T. 0.010 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31

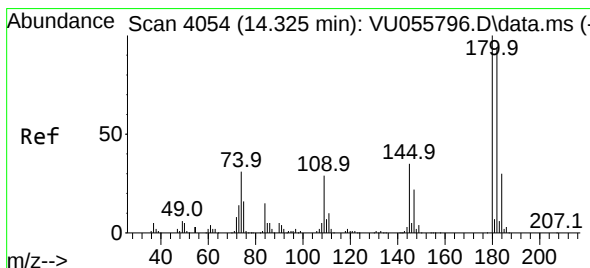
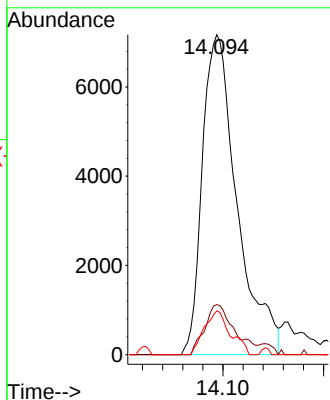
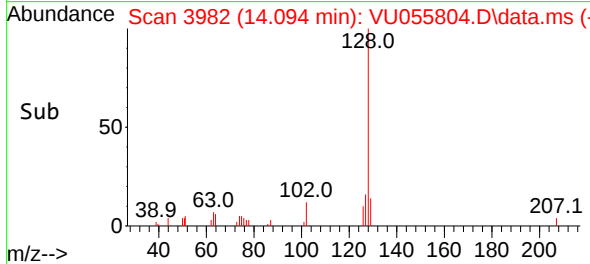
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



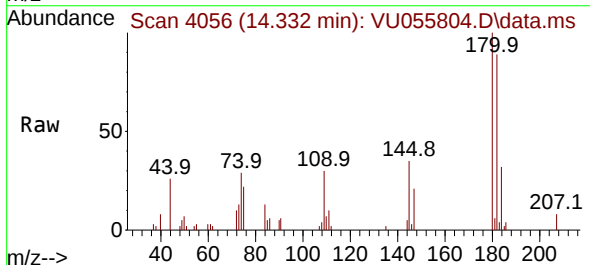
Tgt Ion:128 Resp: 1719
Ion Ratio Lower Upper
128 100
127 13.3 10.9 16.3
129 10.3 8.6 12.8

Manual Integrations
APPROVED

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



#90
1,2,3-Trichlorobenzene
Concen: 0.393 ug/l
RT: 14.332 min Scan# 4056
Delta R.T. 0.007 min
Lab File: VU055804.D
Acq: 18 Oct 2023 17:31



Tgt Ion:180 Resp: 9768
Ion Ratio Lower Upper
180 100
182 94.3 75.7 113.5
145 32.8 26.1 39.1

