

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020224\
 Data File : VU057798.D
 Acq On : 02 Feb 2024 17:41
 Operator : MD/SY
 Sample : P1187-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2024

Quant Time: Feb 05 02:35:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Feb 05 02:31:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.110	96	40023	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13363	0.882	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	12028	0.881	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	4183	0.314	ug/l	99
3) Chloromethane	1.518	50	4270	0.334	ug/l	99
4) Vinyl Chloride	1.602	62	3906	0.300	ug/l #	86
5) Bromomethane	1.856	94	2845	0.368	ug/l	97
6) Chloroethane	1.930	64	2782	0.338	ug/l	96
7) Trichlorofluoromethane	2.132	101	6158	0.308	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	3018	0.294	ug/l	95
9) 1,1-Dichloroethene	2.573	96	2917	0.293	ug/l	85
10) Iodomethane	2.718	142	3316	0.281	ug/l	89
11) Allyl Chloride	2.923	41	4305	0.319	ug/l	91
12) Acrylonitrile	3.354	53	842	0.496	ug/l #	85
13) Acetone	2.656	43	3613	1.176	ug/l	93
14) Carbon Disulfide	2.788	76	9869	0.310	ug/l	95
15) Methylene Chloride	3.042	84	5804	0.489	ug/l	95
16) trans-1,2-Dichloroethene	3.351	96	3268	0.301	ug/l #	87
17) 1,1-Dichloroethane	3.865	63	6357	0.310	ug/l	99
18) 2-Butanone	4.750	43	3059	0.924	ug/l	73
19) Cyclohexane	5.377	56	5171	0.322	ug/l	92
20) Methylcyclohexane	6.759	83	5852	0.301	ug/l	96
21) 2,2-Dichloropropane	4.663	77	5368	0.295	ug/l	97
22) cis-1,2-Dichloroethene	4.666	96	3812	0.320	ug/l	90
23) Diethyl Ether	2.374	59	2327	0.324	ug/l #	82
24) tert-Butyl Alcohol	3.283	59	3164m	3.877	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	7228	0.310	ug/l #	88
26) Bromochloromethane	4.978	128	1198	0.251	ug/l #	81
27) Chloroform	5.087	83	6862	0.322	ug/l	88
28) 1,1,1-Trichloroethane	5.309	97	5787	0.301	ug/l	79
29) 1,1-Dichloropropene	5.525	75	4912	0.315	ug/l	92
30) Carbon Tetrachloride	5.521	117	4752	0.287	ug/l	97
31) Isopropyl Ether	3.988	45	9255	0.308	ug/l	98
32) Ethyl-t-butyl ether	4.492	59	8705	0.313	ug/l	98
33) Tert-Amyl methyl ether	5.939	73	7237	0.309	ug/l	96
34) Propionitrile	4.865	54	724m	1.055	ug/l	
35) Benzene	5.772	78	13238	0.295	ug/l	97
36) 1,2-Dichloroethane	5.801	62	4079	0.312	ug/l #	93
37) Trichloroethene	6.541	130	4012	0.337	ug/l	88
38) 1,2-Dichloropropane	6.788	63	3689	0.317	ug/l #	88
39) Methacrylonitrile	5.007	41	672	0.246	ug/l #	26
40) Methyl acrylate	4.901	55	848	0.206	ug/l #	71
41) Tetrahydrofuran	5.084	42	964m	0.660	ug/l	
42) 1-Chlorobutane	5.457	56	5986	0.292	ug/l	83
43) Dibromomethane	6.917	93	1618	0.303	ug/l #	65
44) Bromodichloromethane	7.103	83	4387	0.293	ug/l	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	7599	1.334	ug/l	97
46) t-1,4-Dichloro-2-butene	10.833	75	925m	0.715	ug/l	
47) Methyl methacrylate	6.968	69	2531	0.536	ug/l	91
48) Ethyl methacrylate	8.341	69	2184	0.231	ug/l	86
49) Toluene	7.968	92	8150	0.298	ug/l	97
50) t-1,3-Dichloropropene	8.213	75	3311	0.256	ug/l	95
51) cis-1,3-Dichloropropene	7.608	75	4785	0.292	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	2328	0.316	ug/l	92
53) 1,3-Dichloropropane	8.573	76	3894	0.294	ug/l	98
54) 2-Hexanone	8.692	43	6122	1.167	ug/l	90
55) Dibromochloromethane	8.807	129	2564	0.281	ug/l	95
56) 1,2-Dibromoethane	8.926	107	1888	0.278	ug/l	90
58) Tetrachloroethene	8.553	164	3370	0.321	ug/l	88
59) Chlorobenzene	9.447	112	9407	0.311	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.531	131	2951	0.287	ug/l	92
61) Pentachloroethane	11.421	117	1950	0.261	ug/l	92
62) Hexachloroethane	12.466	117	2135	0.262	ug/l	90
63) Ethyl Benzene	9.569	91	15659	0.291	ug/l	94
64) m/p-Xylenes	9.692	106	11033	0.564	ug/l	94
65) o-Xylene	10.097	106	5545	0.286	ug/l	90
66) Styrene	10.113	104	7491	0.259	ug/l	95
67) Bromoform	10.290	173	1296	0.276	ug/l #	79
69) Isopropylbenzene	10.479	105	14892	0.293	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.778	83	2761	0.299	ug/l	92
71) 1,2,3-Trichloropropane	10.823	75	1780m	0.234	ug/l	
72) Bromobenzene	10.785	156	3090	0.277	ug/l	96
73) n-propylbenzene	10.904	120	4677	0.367	ug/l	92
74) 2-Chlorotoluene	10.984	126	3314	0.280	ug/l	95
75) 1,3,5-Trimethylbenzene	11.084	105	11897	0.273	ug/l	99
76) 4-Chlorotoluene	11.097	126	3022	0.254	ug/l	73
77) tert-Butylbenzene	11.415	119	11525	0.282	ug/l	96
78) 1,2,4-Trimethylbenzene	11.466	105	11981	0.271	ug/l	98
79) sec-Butylbenzene	11.640	105	14544	0.278	ug/l	98
80) Nitrobenzene	13.235	77	61	0.337	ug/l #	40
81) p-Isopropyltoluene	11.791	119	11575	0.263	ug/l	93
82) 1,3-Dichlorobenzene	11.746	146	6316	0.280	ug/l	100
83) 1,4-Dichlorobenzene	11.839	146	6371	0.289	ug/l	94
84) n-Butylbenzene	12.209	91	11007	0.261	ug/l	96
85) 1,2-Dichlorobenzene	12.209	146	6275	0.306	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	13.000	75	332	0.263	ug/l #	42
87) 1,2,4-Trichlorobenzene	13.846	180	2969	0.243	ug/l #	88
88) Hexachlorobutadiene	14.016	225	2146	0.273	ug/l	95
89) Naphthalene	14.097	128	5719	0.303	ug/l #	88
90) 1,2,3-Trichlorobenzene	14.334	180	2963	0.291	ug/l	97

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

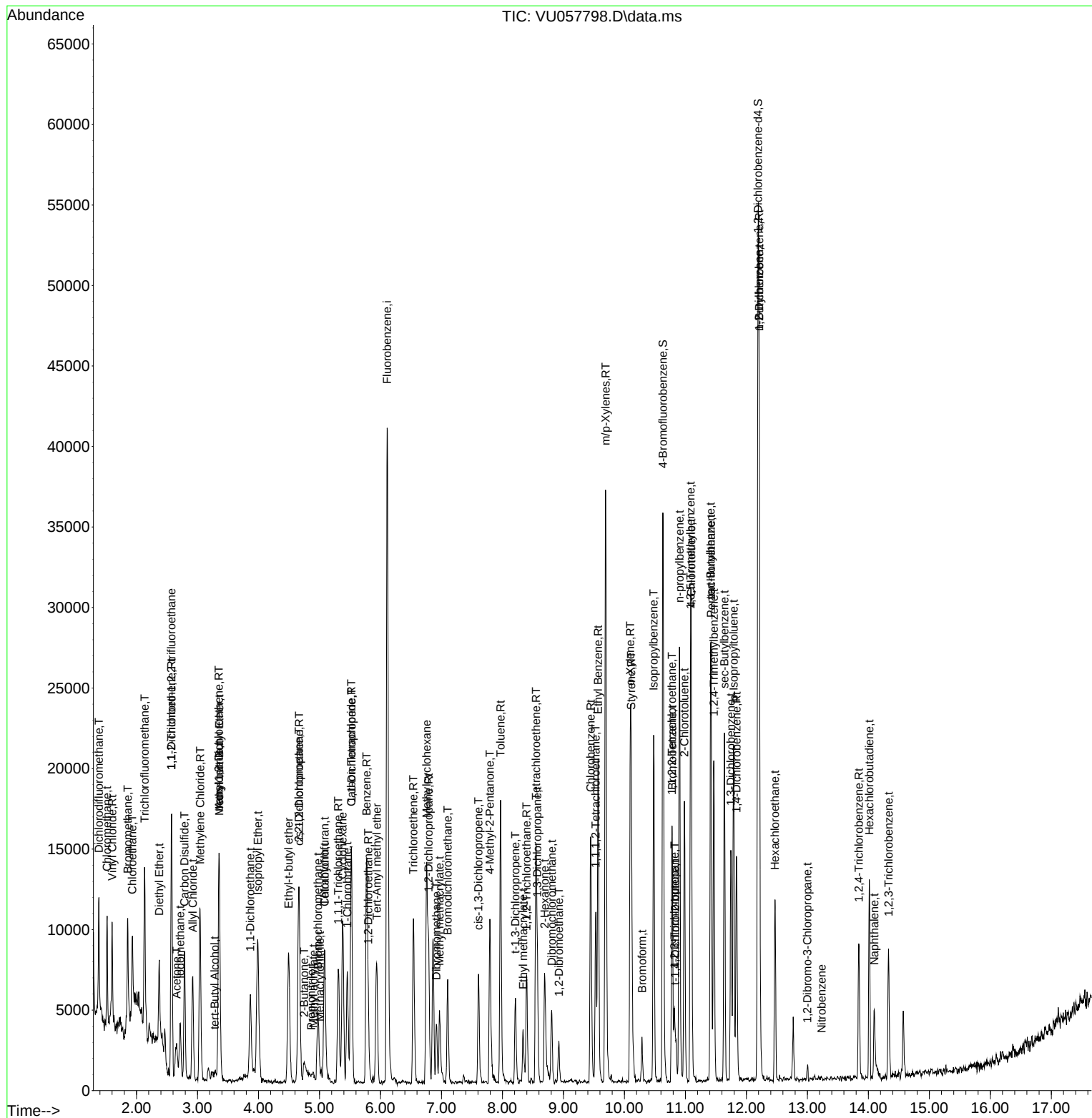
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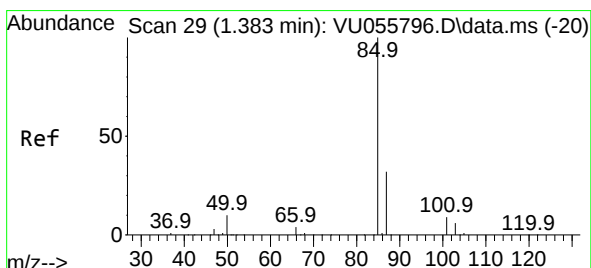
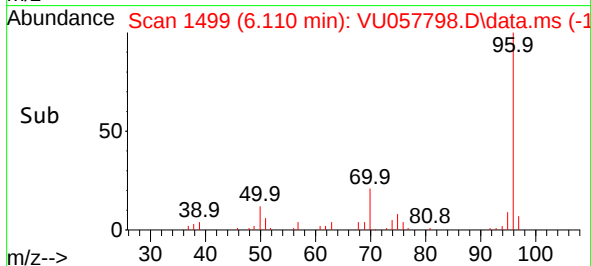
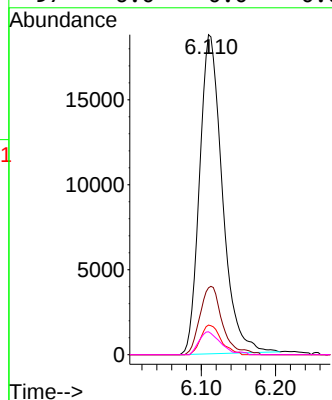
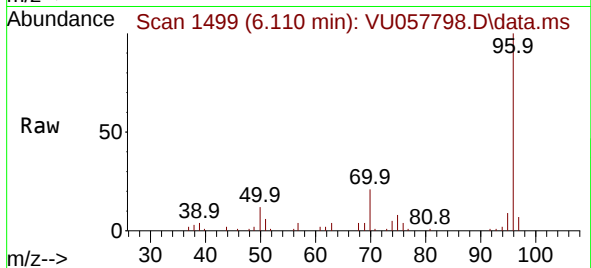
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.110 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion: 96	Resp: 4002
Ion Ratio	Lower Upper
96 100	
70 21.1	16.5 24.7
95 8.3	7.4 11.0
97 6.0	0.0 0.0

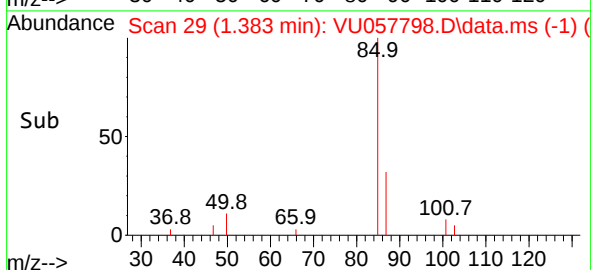
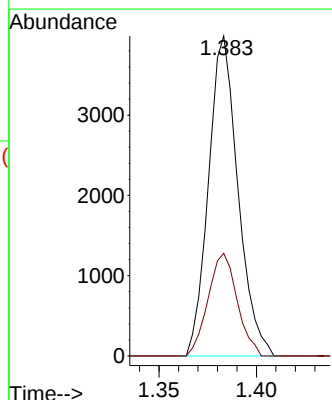
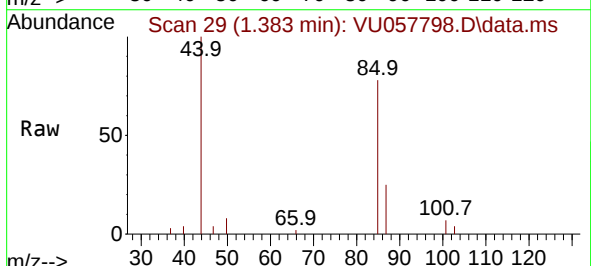
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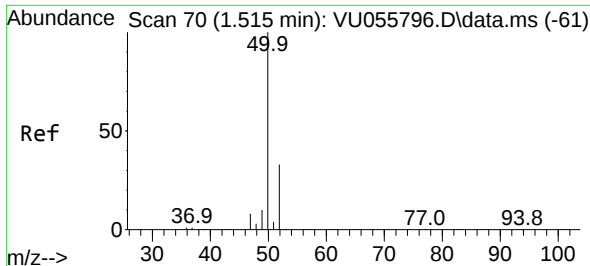
Reviewed By :John Carlone 02/14/2024
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#2
Dichlorodifluoromethane
Concen: 0.314 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

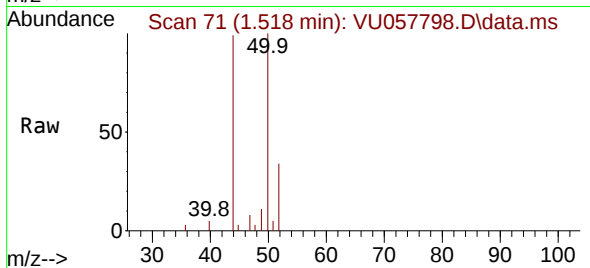
Tgt Ion: 85	Resp: 4183
Ion Ratio	Lower Upper
85 100	
87 32.1	16.2 48.6





#3
Chloromethane
Concen: 0.334 ug/l
RT: 1.518 min Scan# 70
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

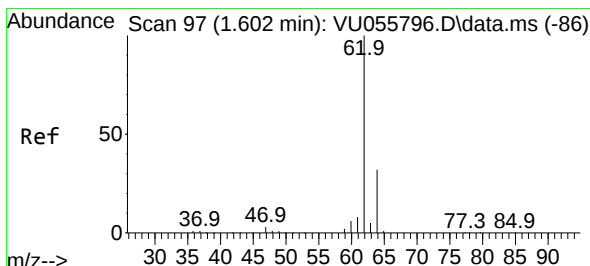
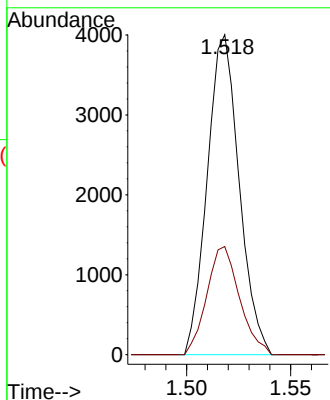
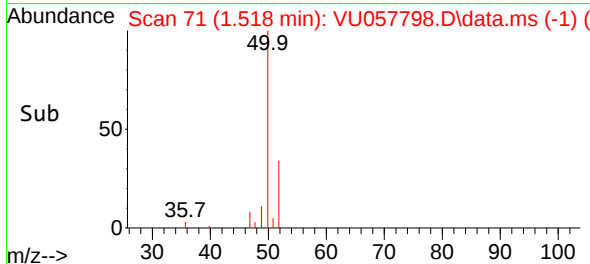
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 50 Resp: 4270
Ion Ratio Lower Upper
50 100
52 33.8 26.6 40.0

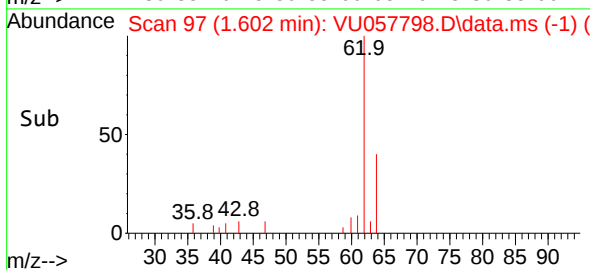
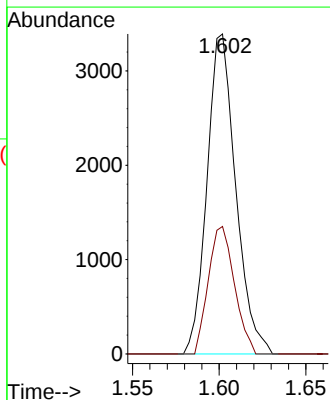
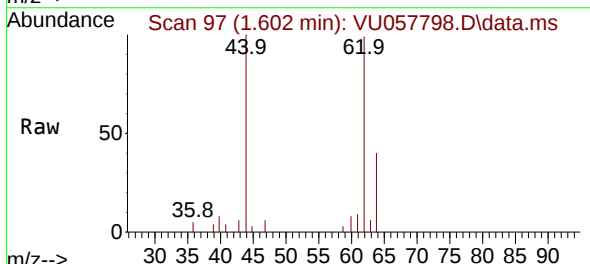
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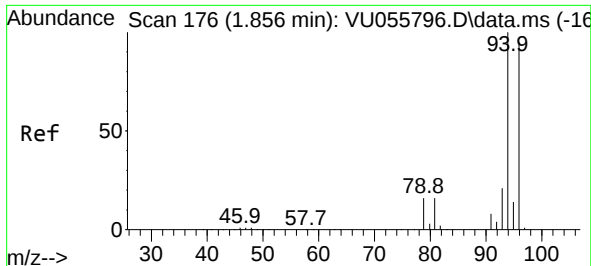
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#4
Vinyl Chloride
Concen: 0.300 ug/l
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

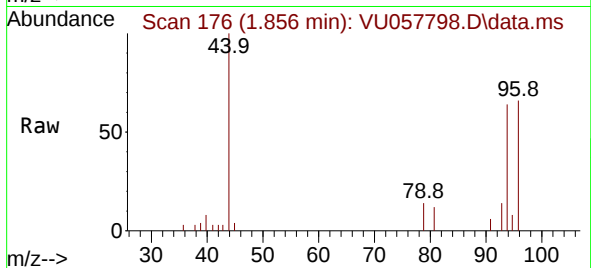
Tgt Ion: 62 Resp: 3906
Ion Ratio Lower Upper
62 100
64 39.9 25.4 38.2#





#5
Bromomethane
Concen: 0.368 ug/l
RT: 1.856 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

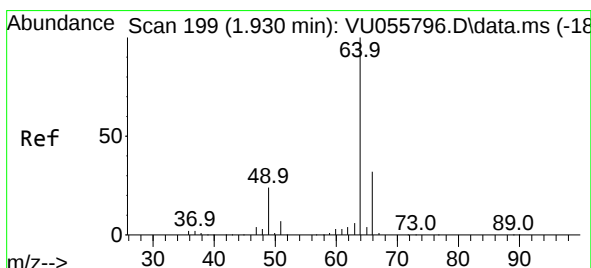
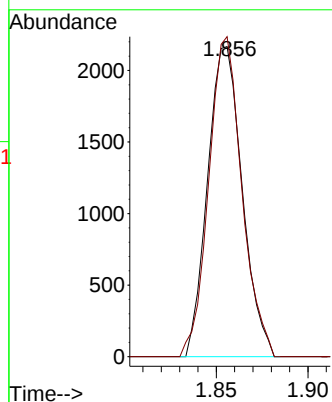
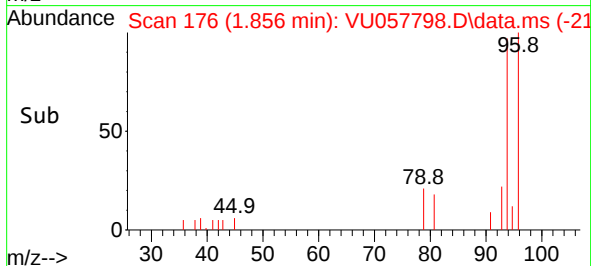
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 94 Resp: 284
Ion Ratio Lower Upper
94 100
96 91.7 75.4 113.2

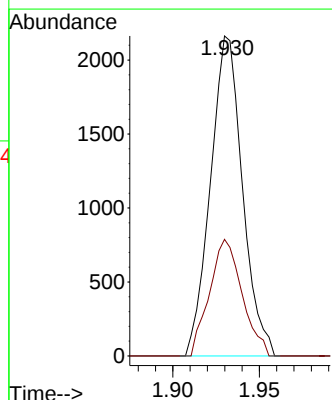
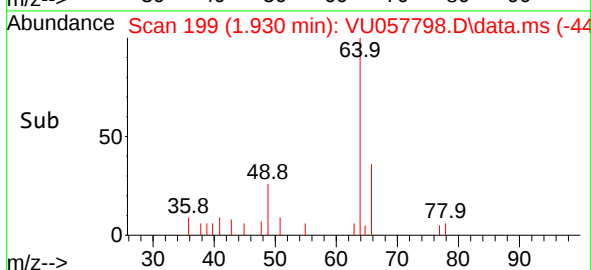
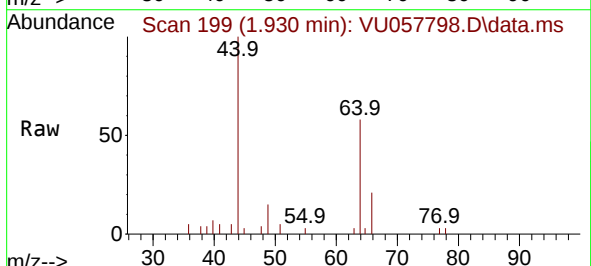
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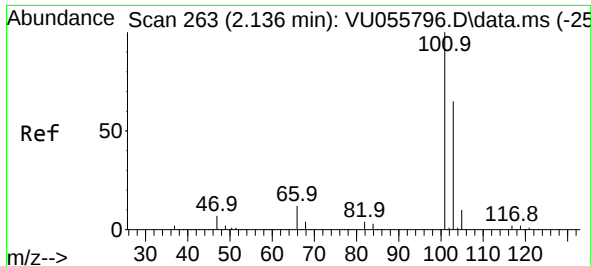
Reviewed By :John Carlone 02/14/2024
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#6
Chloroethane
Concen: 0.338 ug/l
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

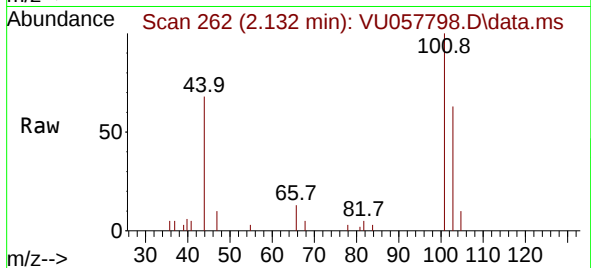
Tgt Ion: 64 Resp: 2782
Ion Ratio Lower Upper
64 100
66 34.6 26.0 39.0





#7
Trichlorofluoromethane
Concen: 0.308 ug/l
RT: 2.132 min Scan# 201
Delta R.T. -0.004 min
Lab File: VU057798.D
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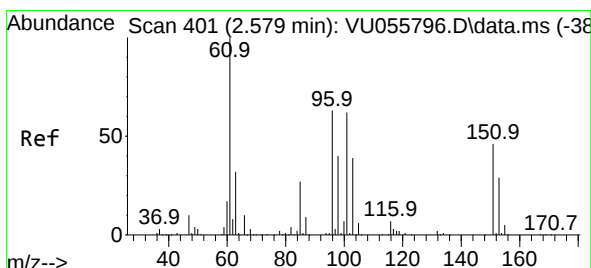
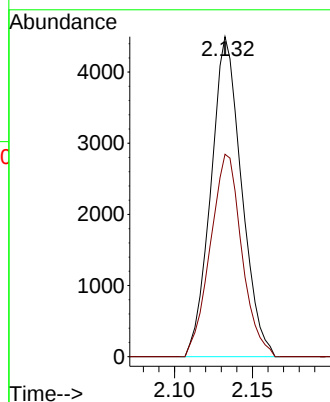
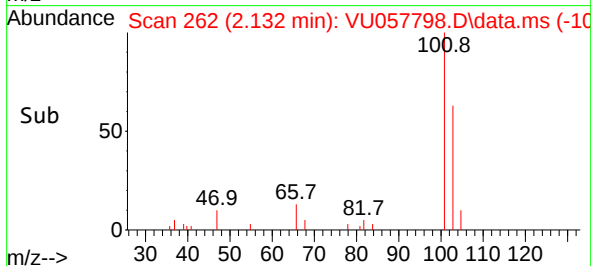
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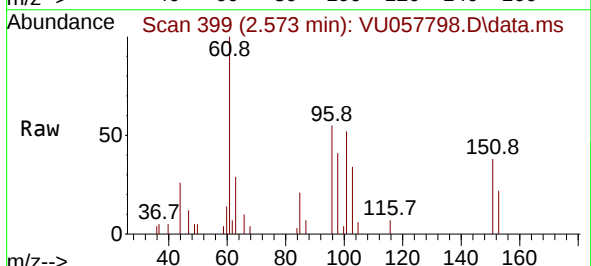
Tgt Ion:101 Resp: 6158
Ion Ratio Lower Upper
101 100
103 63.2 51.4 77.0

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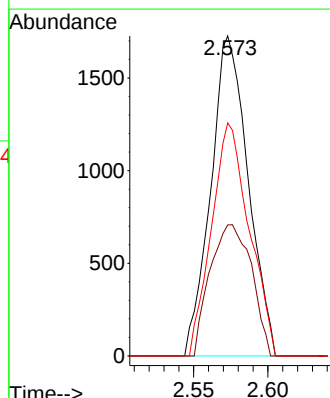
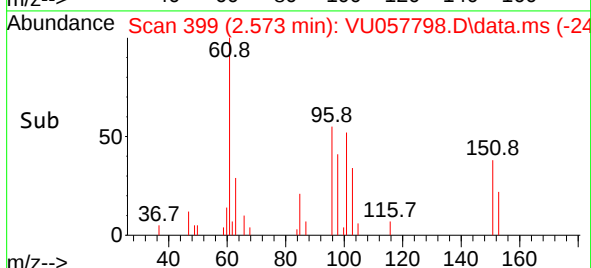
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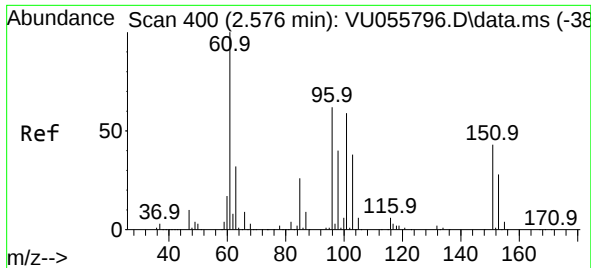


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.294 ug/l
RT: 2.573 min Scan# 399
Delta R.T. -0.006 min
Lab File: VU057798.D
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Tgt Ion:101 Resp: 3018
Ion Ratio Lower Upper
101 100
85 45.6 35.4 53.0
151 73.5 54.0 81.0





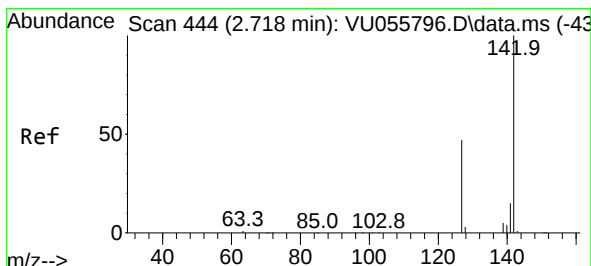
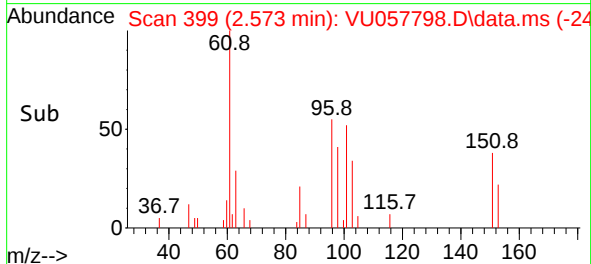
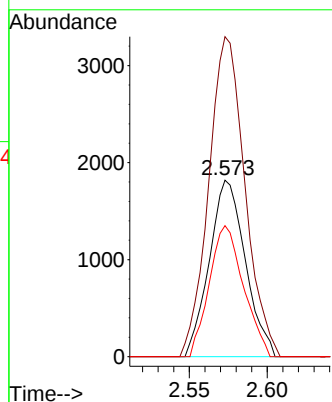
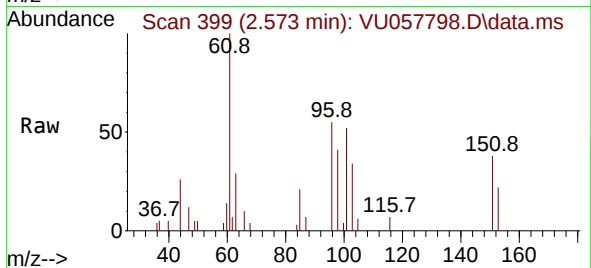
#9
1,1-Dichloroethene
Concen: 0.293 ug/l
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU057798.D
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Instrument : MSVOA_U
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Tgt Ion: 96 Resp: 291
Ion Ratio Lower Upper
96 100
61 194.2 0.0 521.4
98 74.3 0.0 125.8

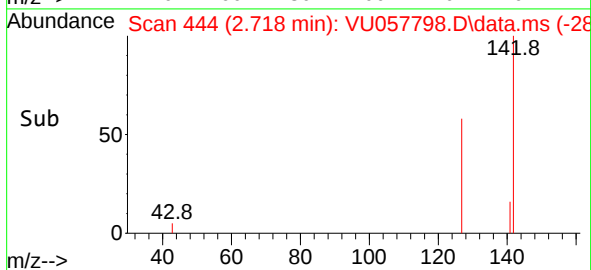
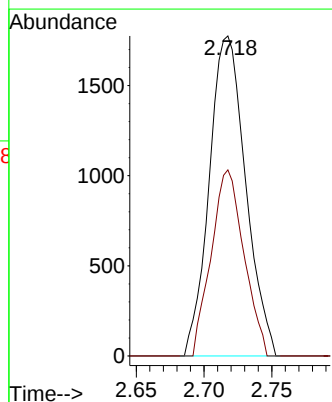
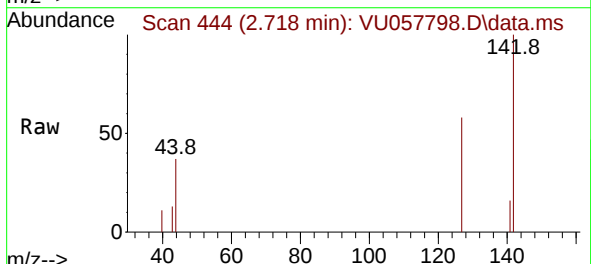
Manual Integrations
APPROVED

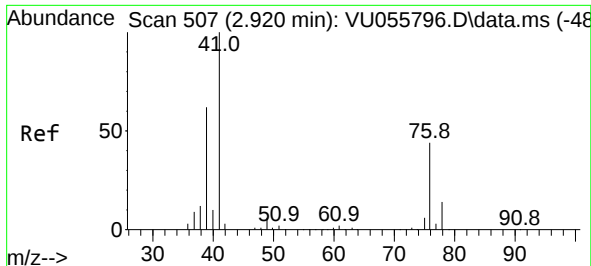
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#10
Iodomethane
Concen: 0.281 ug/l
RT: 2.718 min Scan# 444
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Tgt Ion:142 Resp: 3316
Ion Ratio Lower Upper
142 100
127 52.2 35.9 53.9





#11

Allyl Chloride

Concen: 0.319 ug/l

RT: 2.923 min Scan# 507

Delta R.T. 0.003 min

Lab File: VU057798.D

Acq: 02 Feb 2024 17:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2024

Tgt Ion: 41 Resp: 430

Ion Ratio Lower Upper

41 100

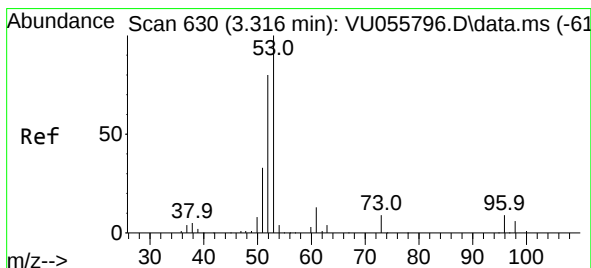
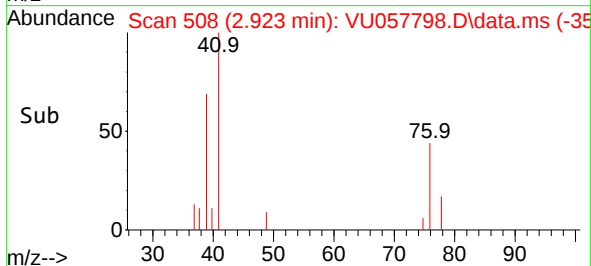
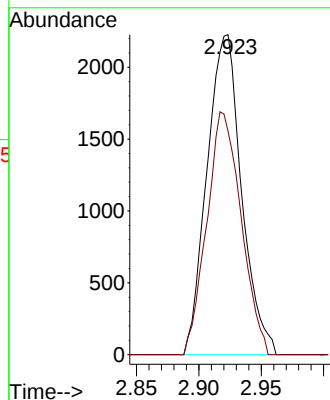
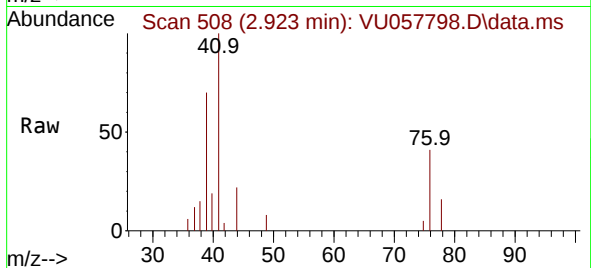
39 75.3 54.2 81.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#12

Acrylonitrile

Concen: 0.496 ug/l

RT: 3.354 min Scan# 642

Delta R.T. 0.038 min

Lab File: VU057798.D

Acq: 02 Feb 2024 17:41

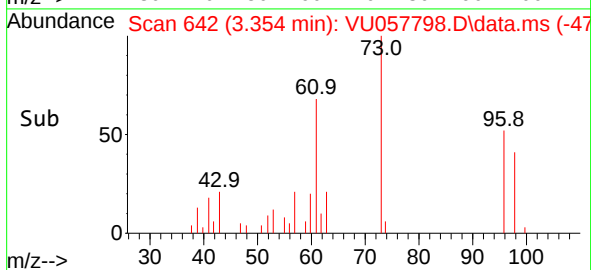
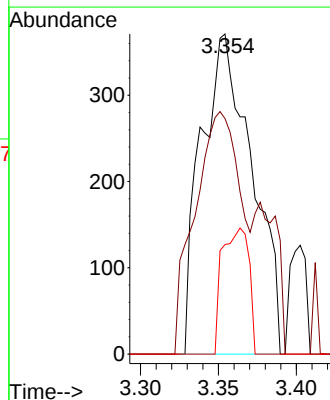
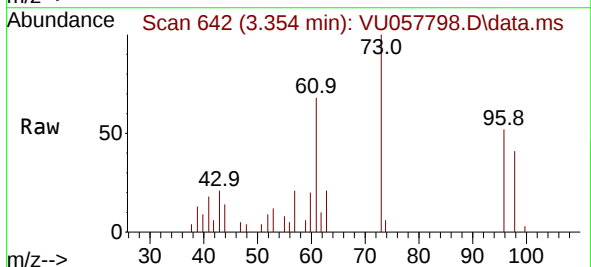
Tgt Ion: 53 Resp: 842

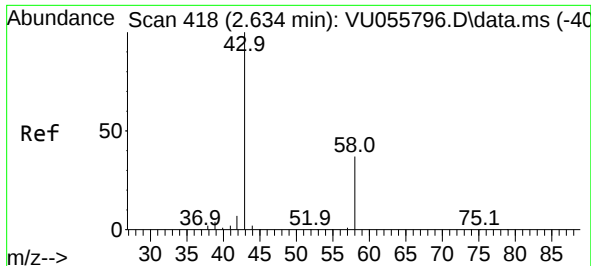
Ion Ratio Lower Upper

53 100

52 68.9 62.9 94.3

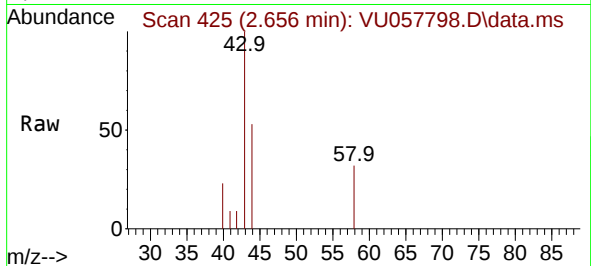
51 20.7 27.8 41.6#





#13
Acetone
Concen: 1.176 ug/l
RT: 2.656 min Scan# 418
Delta R.T. 0.022 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

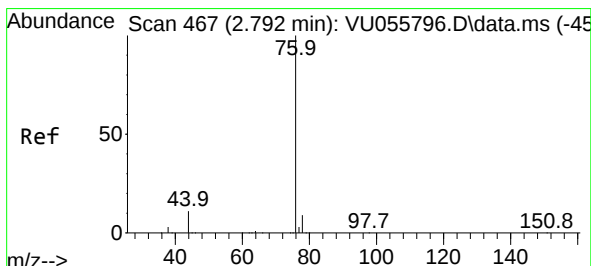
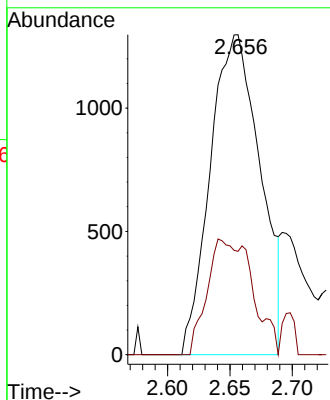
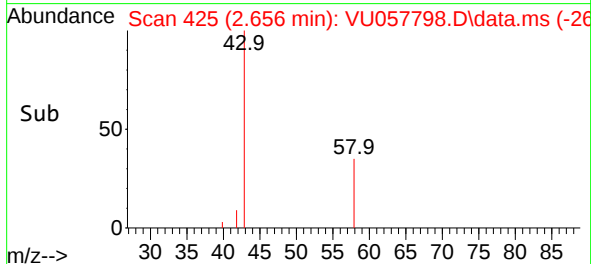
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT1-2024



Tgt Ion: 43 Resp: 361
Ion Ratio Lower Upper
43 100
58 32.3 29.0 43.4

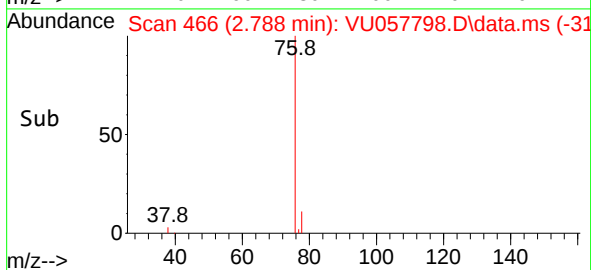
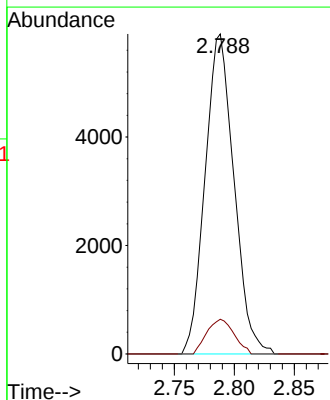
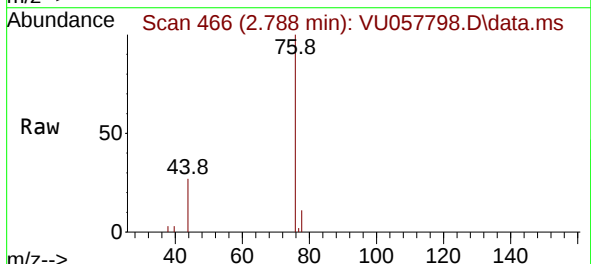
Manual Integrations
APPROVED

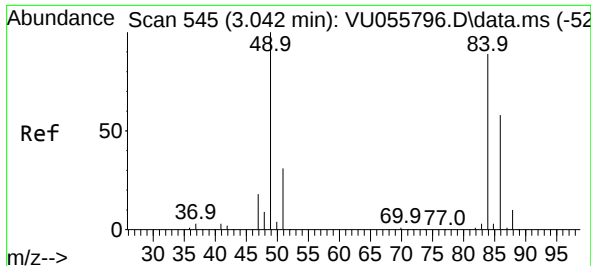
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#14
Carbon Disulfide
Concen: 0.310 ug/l
RT: 2.788 min Scan# 466
Delta R.T. -0.004 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

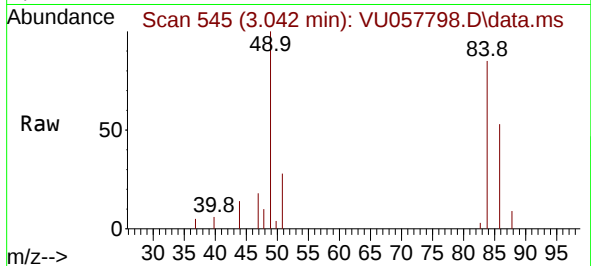
Tgt Ion: 76 Resp: 9869
Ion Ratio Lower Upper
76 100
78 10.8 7.4 11.0





#15
Methylene Chloride
Concen: 0.489 ug/l
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

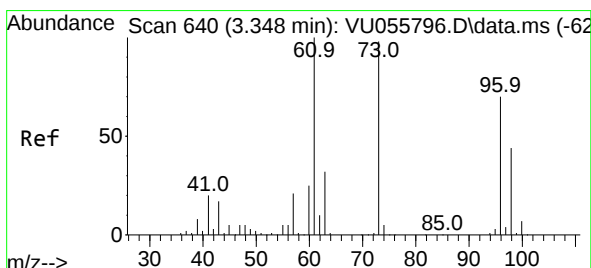
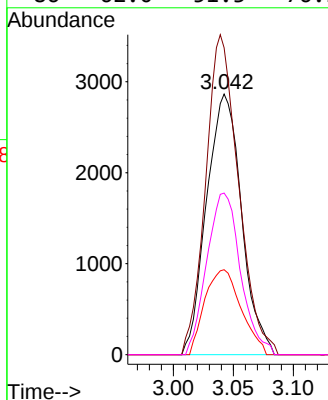
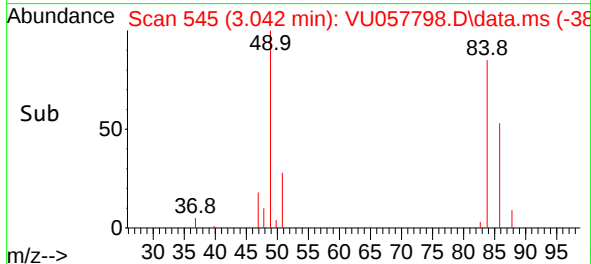
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 84	Resp: 5804
Ion Ratio	Lower Upper
84 100	
49 117.8	98.9 148.3
51 32.6	0.0 75.4
86 62.0	51.3 76.9

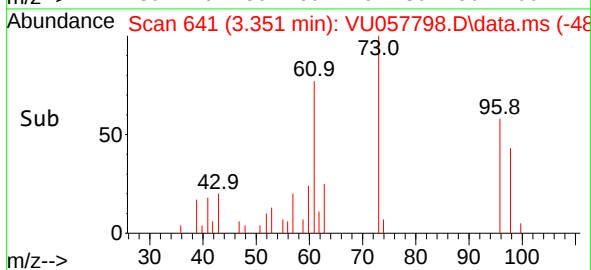
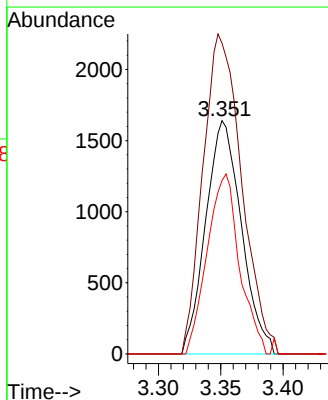
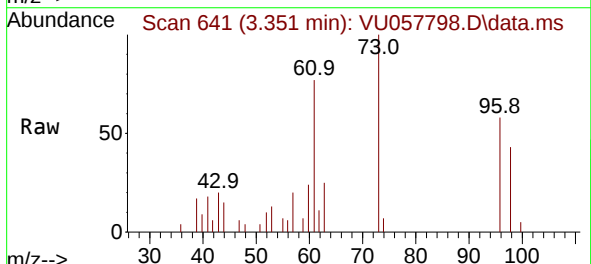
Manual Integrations
APPROVED

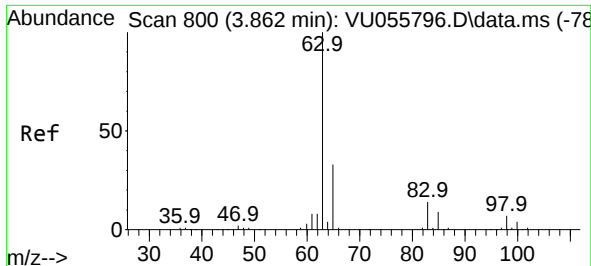
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#16
trans-1,2-Dichloroethene
Concen: 0.301 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Tgt Ion: 96	Resp: 3268
Ion Ratio	Lower Upper
96 100	
61 133.2	117.5 176.3
98 74.3	48.3 72.5#





#17

1,1-Dichloroethane

Concen: 0.310 ug/l

RT: 3.865 min Scan# 800

Delta R.T. 0.003 min

Lab File: VU057798.D

Acq: 02 Feb 2024 17:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2024

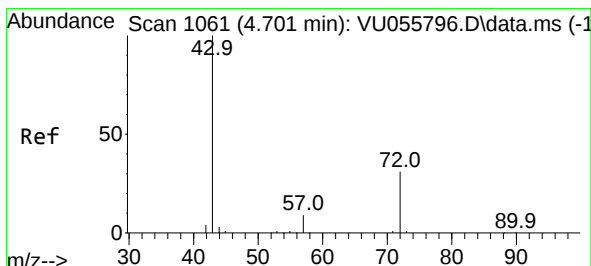
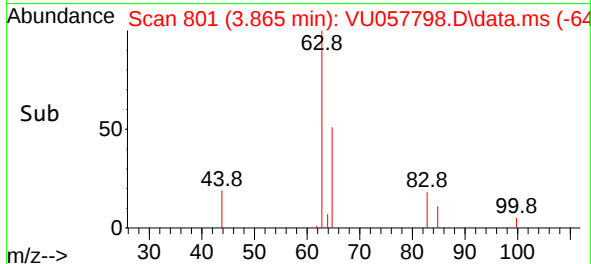
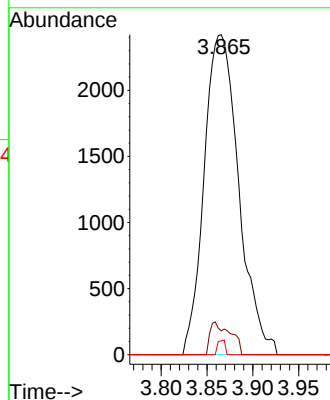
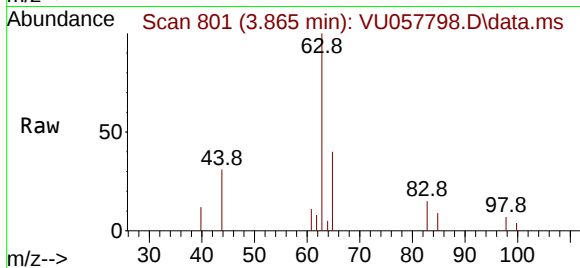
Tgt Ion:	63	Resp:	635
Ion Ratio	Lower	Upper	
63	100		
98	7.4	3.4	10.1
100	4.3	2.2	6.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#18

2-Butanone

Concen: 0.924 ug/l

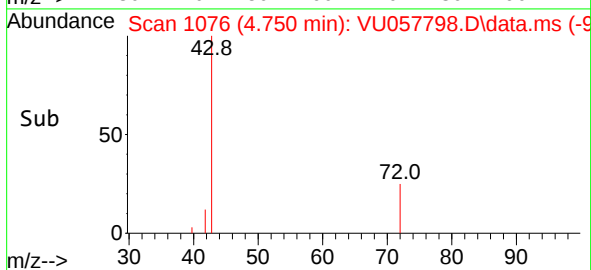
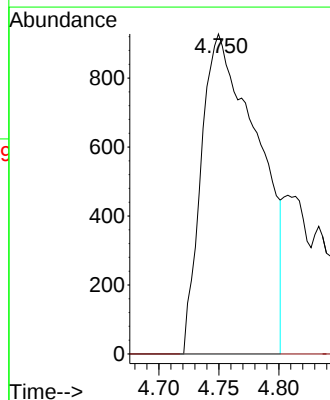
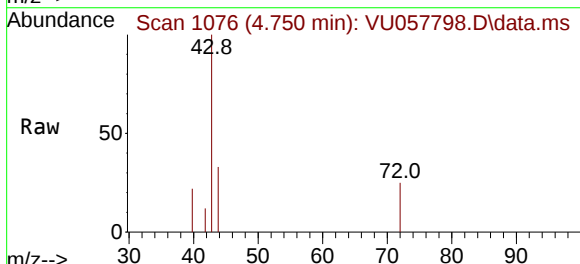
RT: 4.750 min Scan# 1076

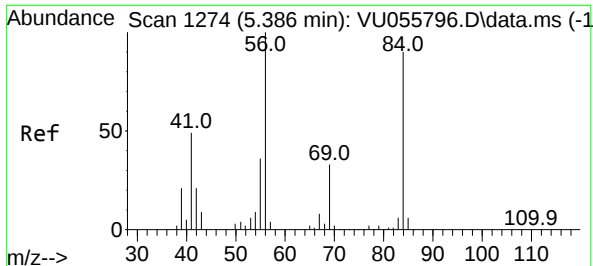
Delta R.T. 0.049 min

Lab File: VU057798.D

Acq: 02 Feb 2024 17:41

Tgt Ion:	43	Resp:	3059
Ion Ratio	Lower	Upper	
43	100		
57	0.0	0.0	19.6





#19

Cyclohexane

Concen: 0.322 ug/l

RT: 5.377 min Scan# 117

Delta R.T. -0.009 min

Lab File: VU057798.D

Acq: 02 Feb 2024 17:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2024

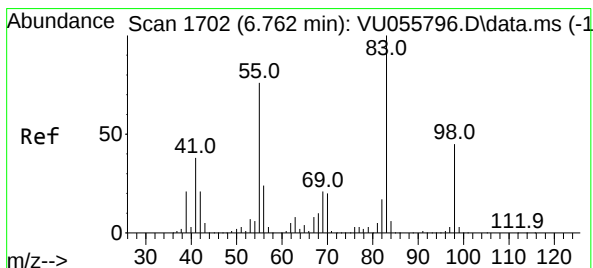
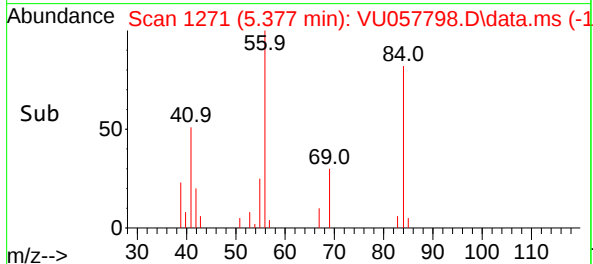
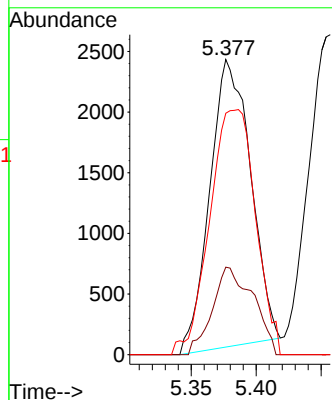
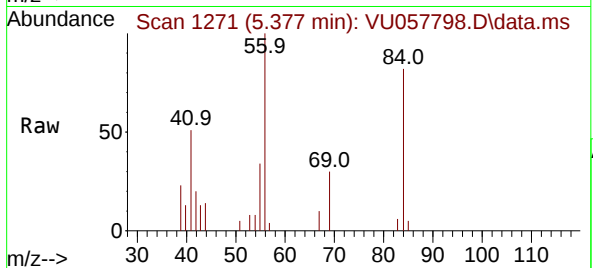
Tgt Ion:	56	Resp:	517
Ion Ratio	Lower	Upper	
56	100		
69	30.4	24.6	37.0
84	95.8	68.4	102.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#20

Methylcyclohexane

Concen: 0.301 ug/l

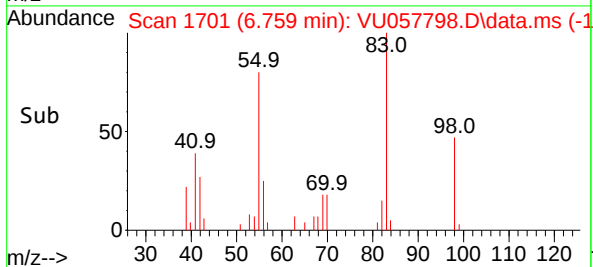
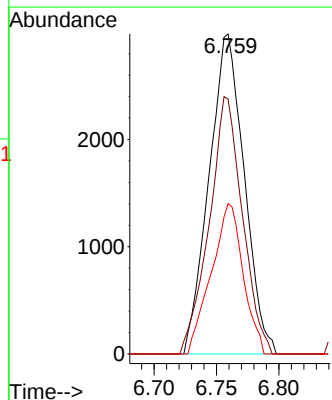
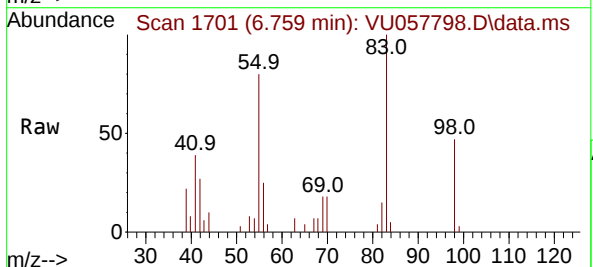
RT: 6.759 min Scan# 1701

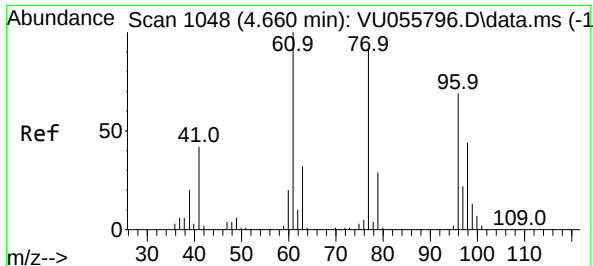
Delta R.T. -0.003 min

Lab File: VU057798.D

Acq: 02 Feb 2024 17:41

Tgt Ion:	83	Resp:	5852
Ion Ratio	Lower	Upper	
83	100		
55	75.9	63.5	95.3
98	42.5	36.0	54.0





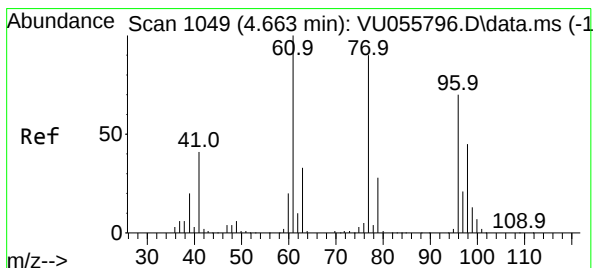
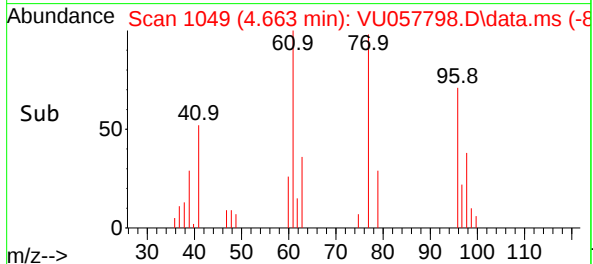
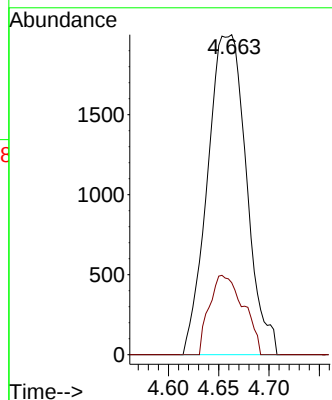
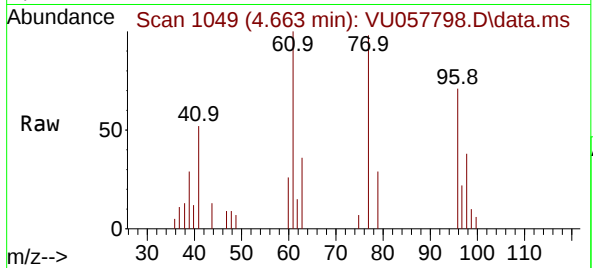
#21
2,2-Dichloropropane
Concen: 0.295 ug/l
RT: 4.663 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion: 77 Resp: 536
Ion Ratio Lower Upper
77 100
97 21.7 18.4 27.6

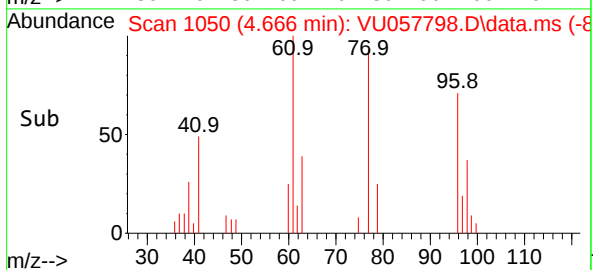
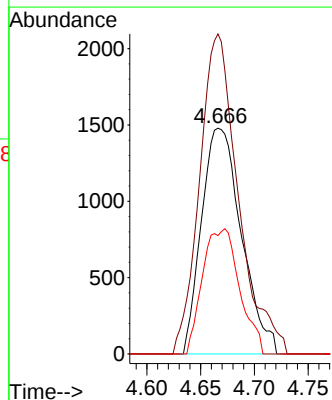
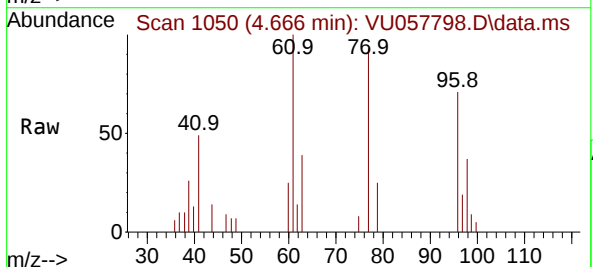
Manual Integrations
APPROVED

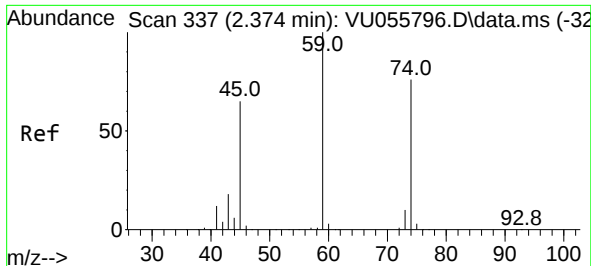
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#22
cis-1,2-Dichloroethene
Concen: 0.320 ug/l
RT: 4.666 min Scan# 1050
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

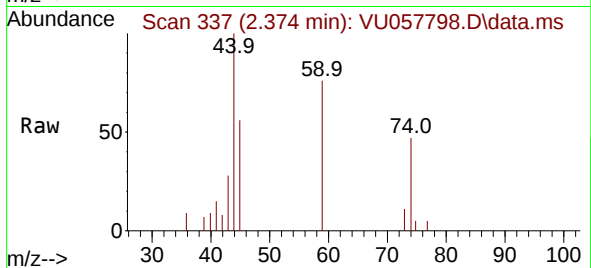
Tgt Ion: 96 Resp: 3812
Ion Ratio Lower Upper
96 100
61 137.5 0.0 365.8
98 51.4 32.0 96.0





#23
Diethyl Ether
Concen: 0.324 ug/l
RT: 2.374 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

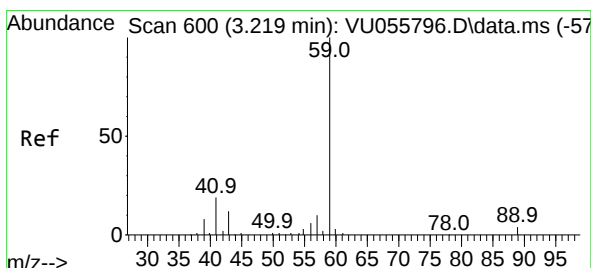
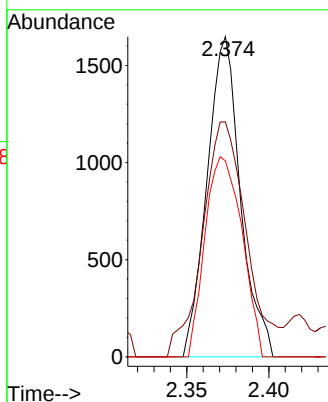
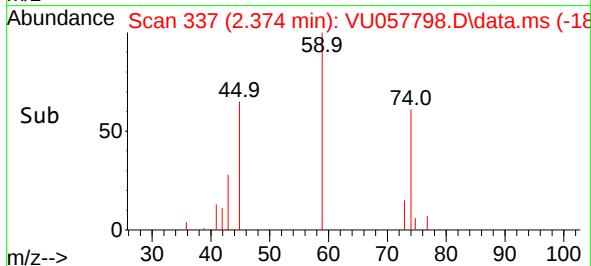
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 59 Resp: 232
Ion Ratio Lower Upper
59 100
45 97.0 56.1 84.1
74 69.1 57.4 86.2

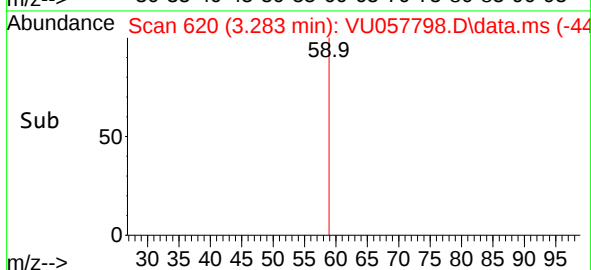
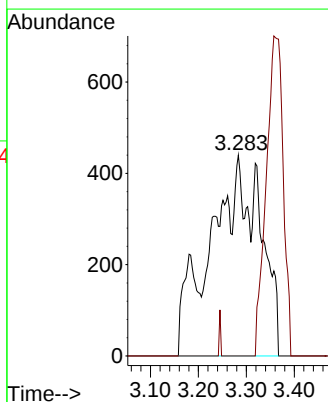
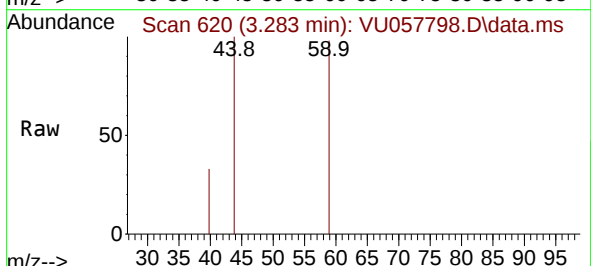
Manual Integrations
APPROVED

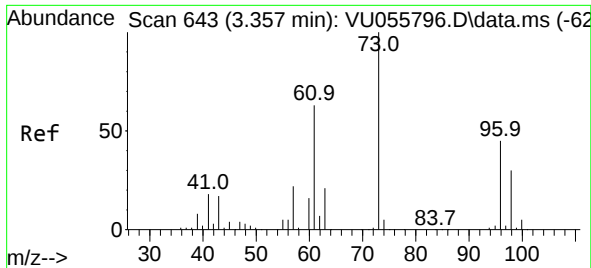
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#24
tert-Butyl Alcohol
Concen: 3.877 ug/l m
RT: 3.283 min Scan# 620
Delta R.T. 0.064 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

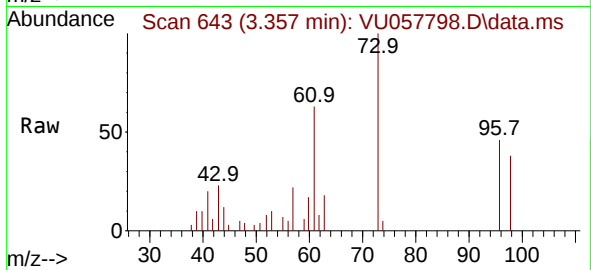
Tgt Ion: 59 Resp: 3164
Ion Ratio Lower Upper
59 100
57 0.0 105.6 158.4#





#25
Methyl tert-Butyl Ether
Concen: 0.310 ug/l
RT: 3.357 min Scan# 643
Delta R.T. 0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

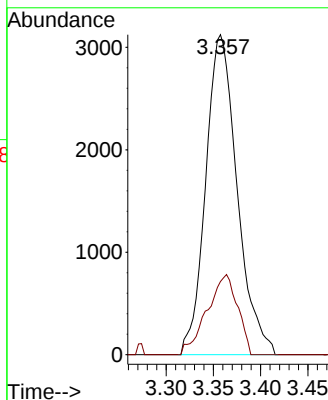
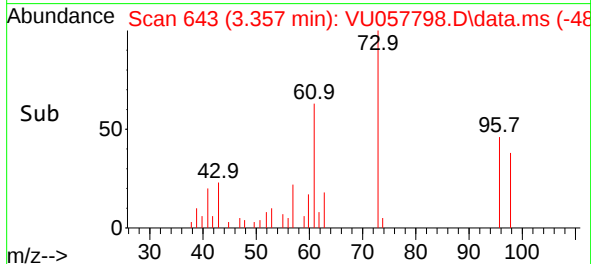
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



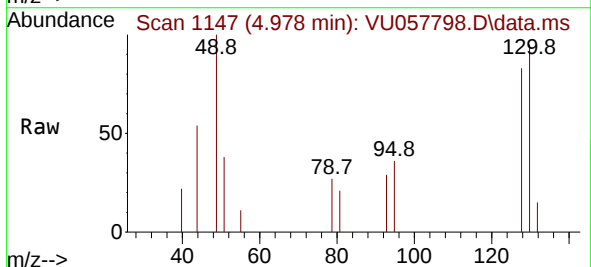
Tgt Ion: 73 Resp: 7228
Ion Ratio Lower Upper
73 100
43 24.2 15.0 22.6

Manual Integrations
APPROVED

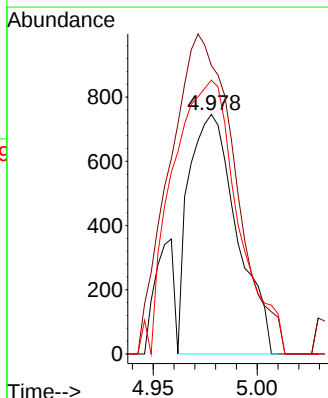
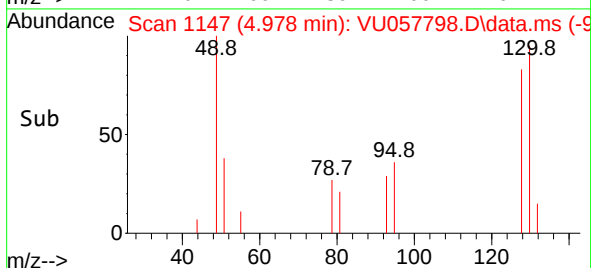
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

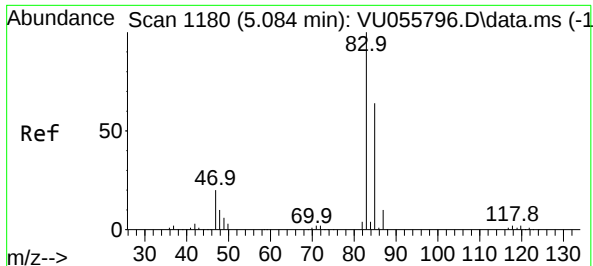


#26
Bromochloromethane
Concen: 0.251 ug/l
RT: 4.978 min Scan# 1147
Delta R.T. 0.010 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41



Tgt Ion:128 Resp: 1198
Ion Ratio Lower Upper
128 100
49 182.3 0.0 324.6
130 156.8 103.0 154.4





#27

Chloroform

Concen: 0.322 ug/l

RT: 5.087 min Scan# 1180

Delta R.T. 0.003 min

Lab File: VU057798.D

Acq: 02 Feb 2024 17:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2024

Tgt Ion: 83 Resp: 686

Ion Ratio Lower Upper

83 100

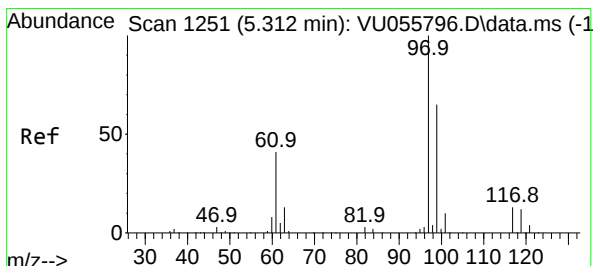
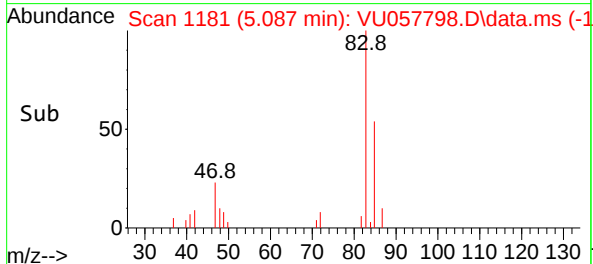
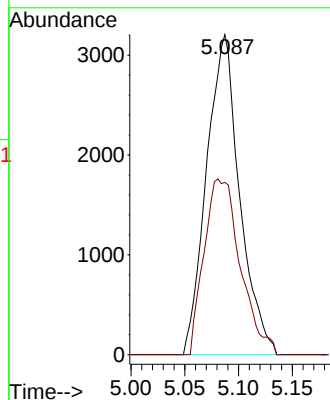
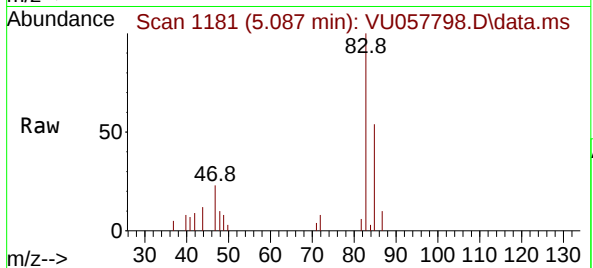
85 53.9 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#28

1,1,1-Trichloroethane

Concen: 0.301 ug/l

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU057798.D

Acq: 02 Feb 2024 17:41

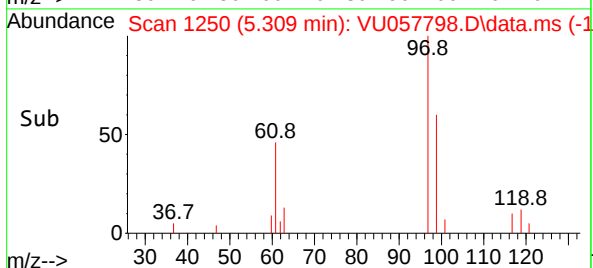
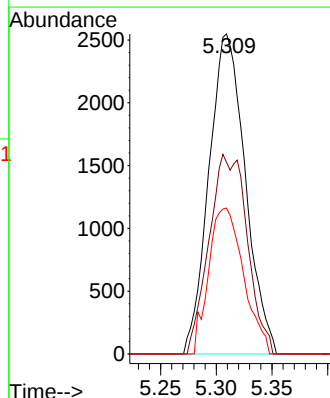
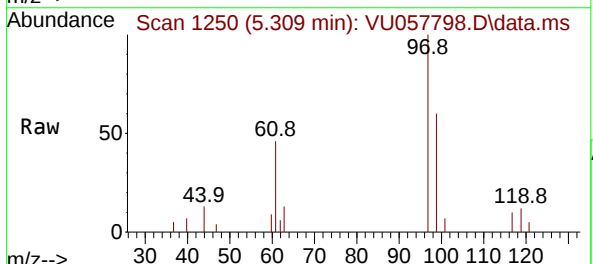
Tgt Ion: 97 Resp: 5787

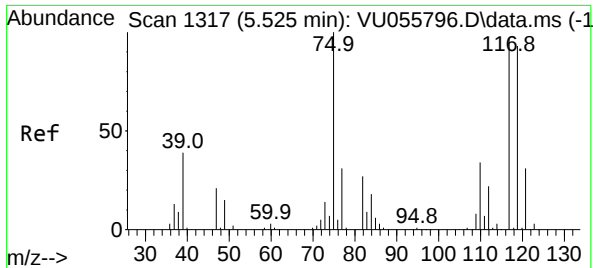
Ion Ratio Lower Upper

97 100

99 37.4 32.0 96.2

61 43.7 22.9 68.5





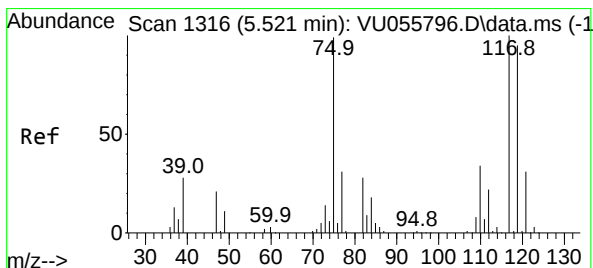
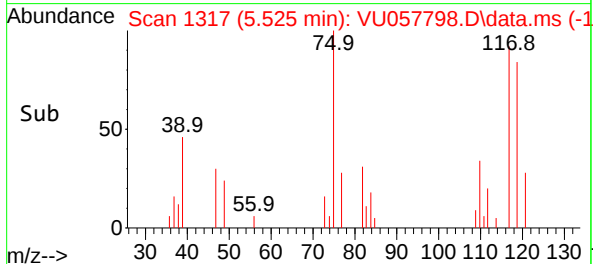
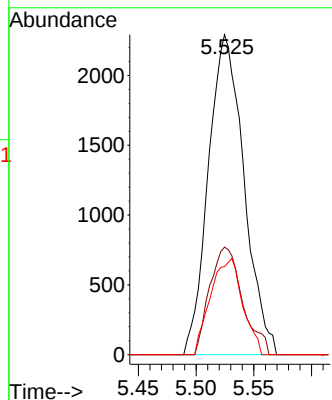
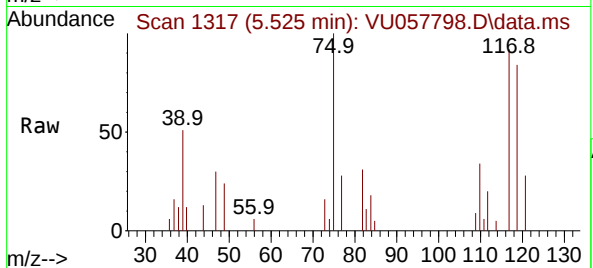
#29
1,1-Dichloropropene
Concen: 0.315 ug/l
RT: 5.525 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion: 75 Resp: 4912
Ion Ratio Lower Upper
75 100
110 31.0 18.0 54.0
77 27.0 24.7 37.1

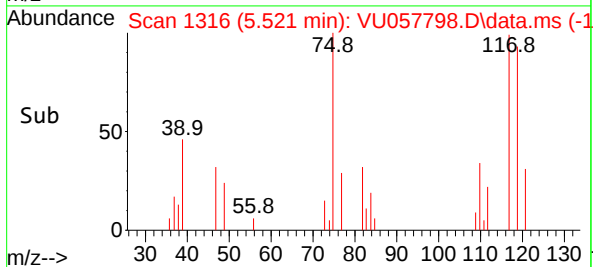
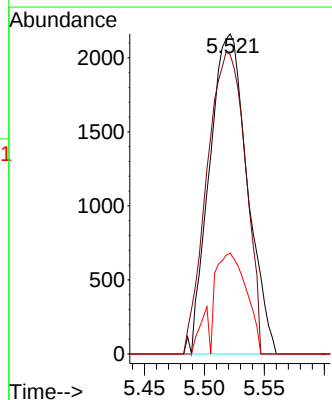
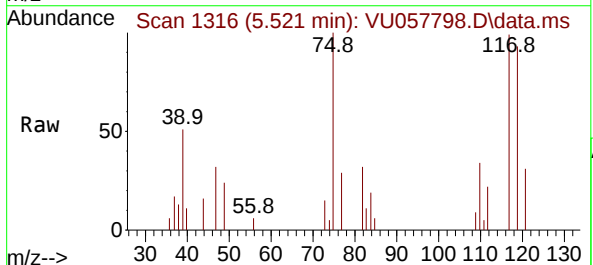
Manual Integrations
APPROVED

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



#30
Carbon Tetrachloride
Concen: 0.287 ug/l
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

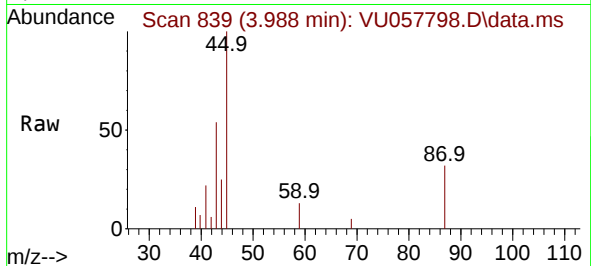
Tgt Ion:117 Resp: 4752
Ion Ratio Lower Upper
117 100
119 93.6 77.4 116.0
121 31.5 24.0 36.0





#31
Isopropyl Ether
Concen: 0.308 ug/l
RT: 3.988 min Scan# 839
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

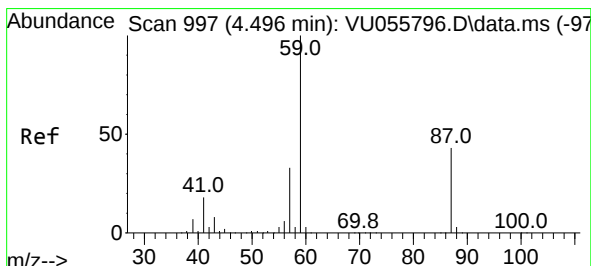
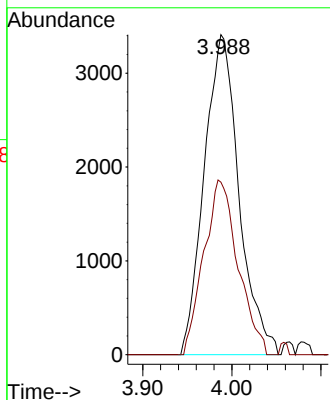
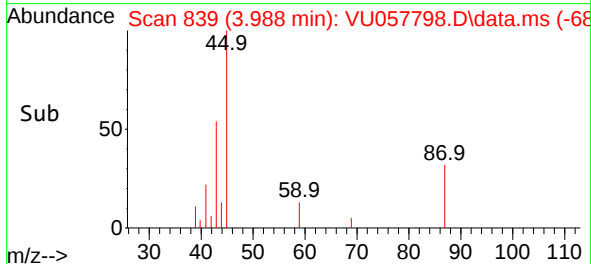
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



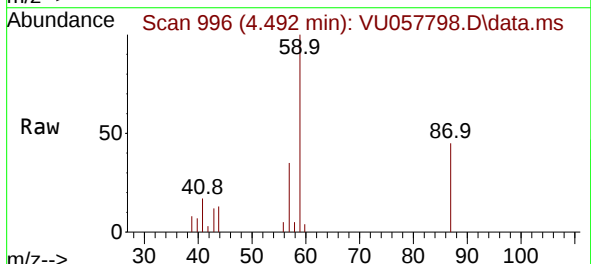
Tgt Ion: 45 Resp: 925
Ion Ratio Lower Upper
45 100
43 53.7 27.5 82.5

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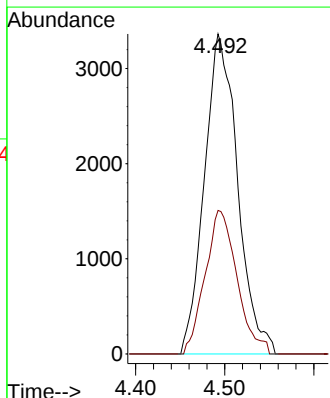
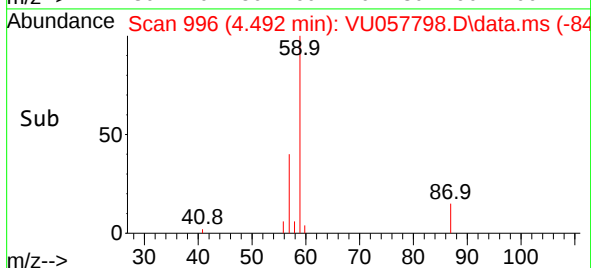
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

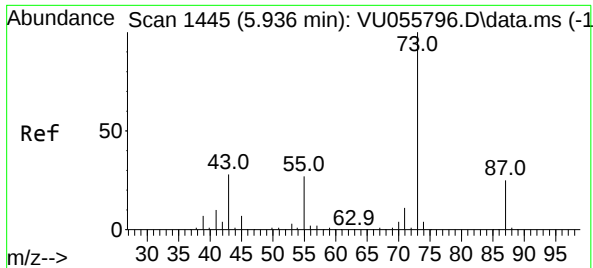


#32
Ethyl-t-butyl ether
Concen: 0.313 ug/l
RT: 4.492 min Scan# 996
Delta R.T. -0.004 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41



Tgt Ion: 59 Resp: 8705
Ion Ratio Lower Upper
59 100
87 43.2 33.5 50.3





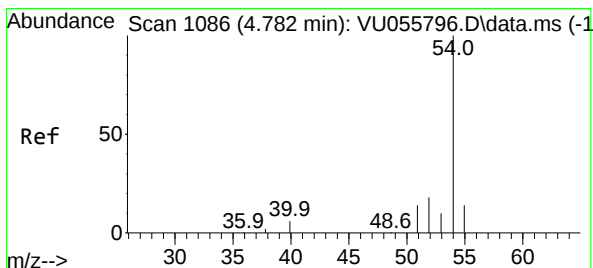
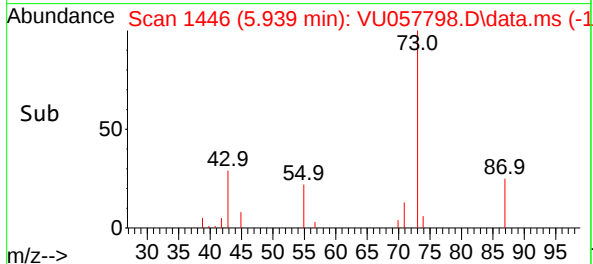
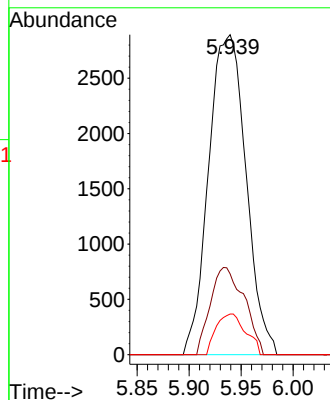
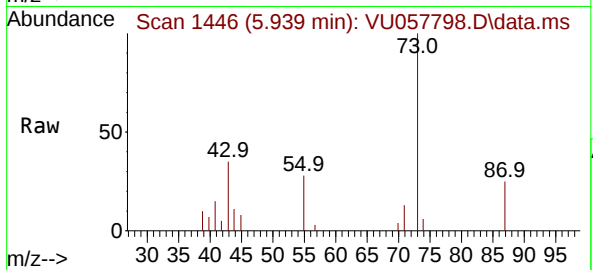
#33
Tert-Amyl methyl ether
Concen: 0.309 ug/l
RT: 5.939 min Scan# 1445
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion: 73 Resp: 723
Ion Ratio Lower Upper
73 100
87 24.6 18.6 28.0
71 10.0 9.9 14.9

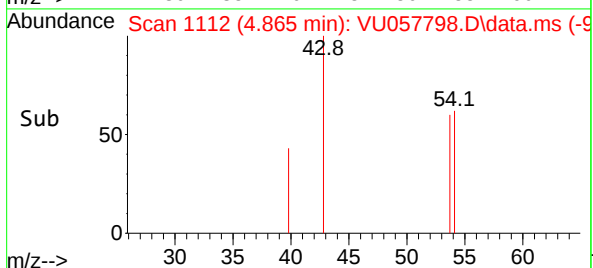
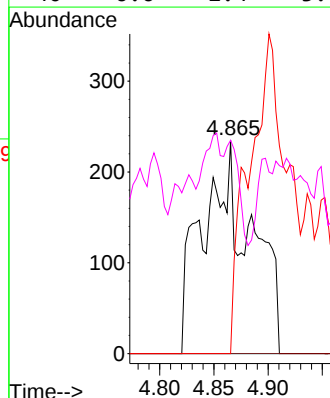
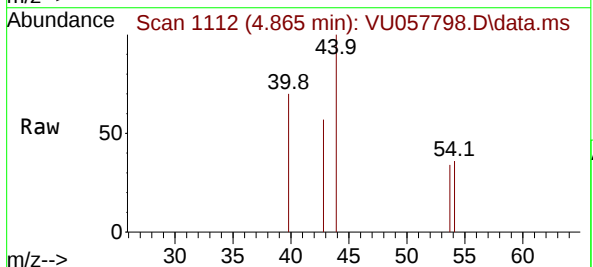
Manual Integrations
APPROVED

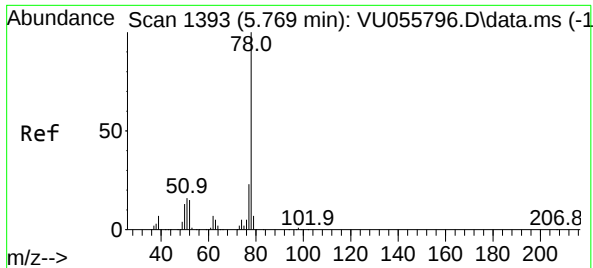
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#34
Propionitrile
Concen: 1.055 ug/l m
RT: 4.865 min Scan# 1112
Delta R.T. 0.083 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

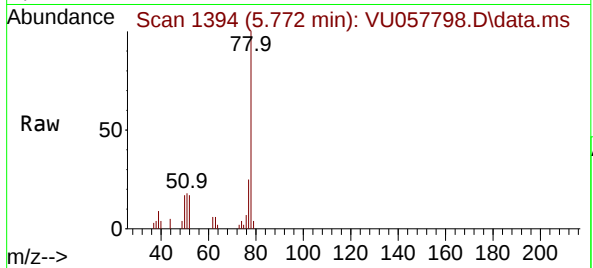
Tgt Ion: 54 Resp: 724
Ion Ratio Lower Upper
54 100
52 0.0 17.4 26.0#
55 0.0 104.1 156.1#
40 6.6 2.4 3.6#





#35
Benzene
Concen: 0.295 ug/l
RT: 5.772 min Scan# 1323
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

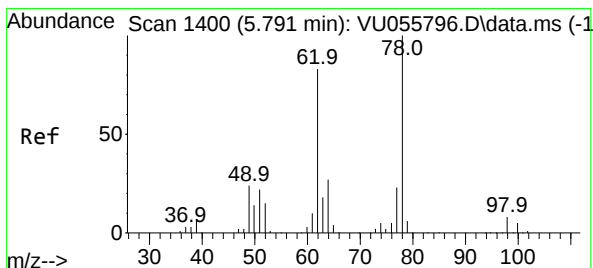
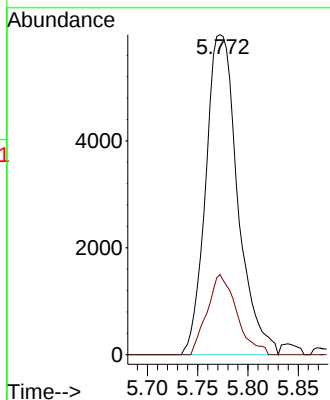
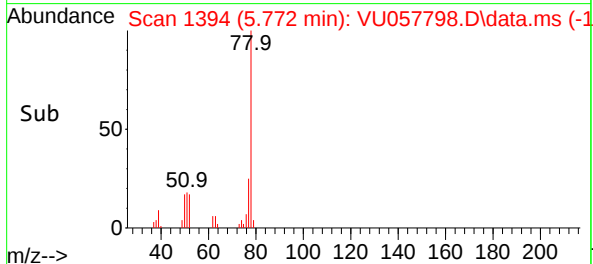
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



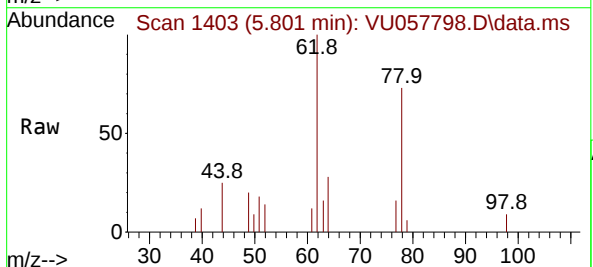
Tgt Ion: 78 Resp: 1323
Ion Ratio Lower Upper
78 100
77 25.1 18.9 28.3

Manual Integrations
APPROVED

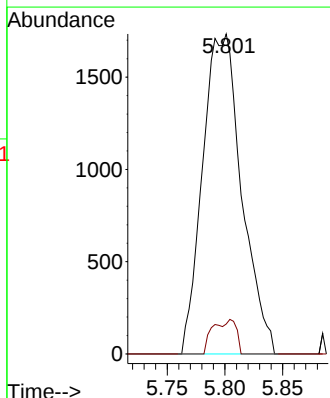
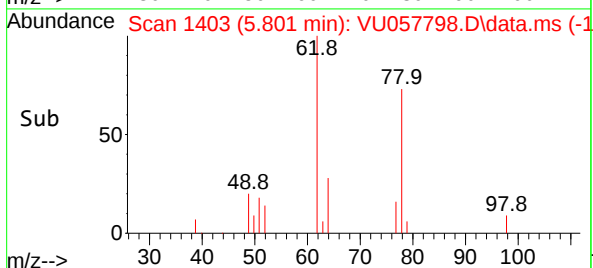
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

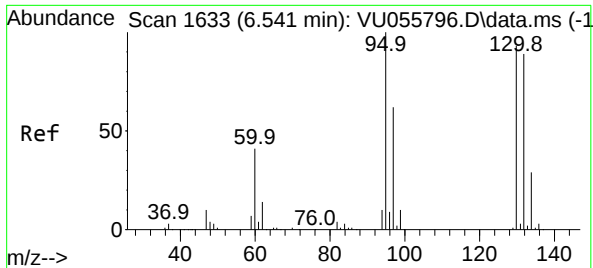


#36
1,2-Dichloroethane
Concen: 0.312 ug/l
RT: 5.801 min Scan# 1403
Delta R.T. 0.010 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41



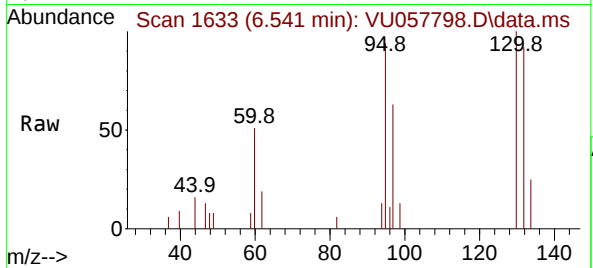
Tgt Ion: 62 Resp: 4079
Ion Ratio Lower Upper
62 100
98 6.4 7.3 10.9





#37
Trichloroethene
Concen: 0.337 ug/l
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

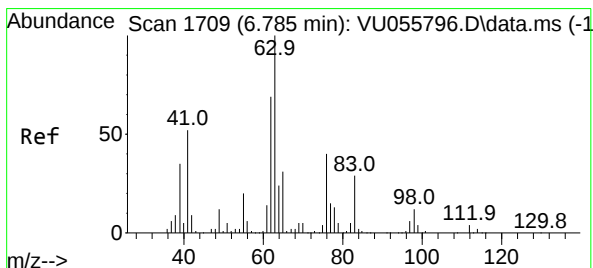
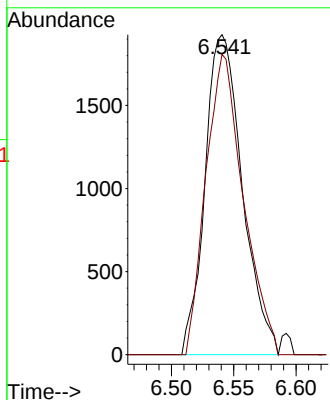
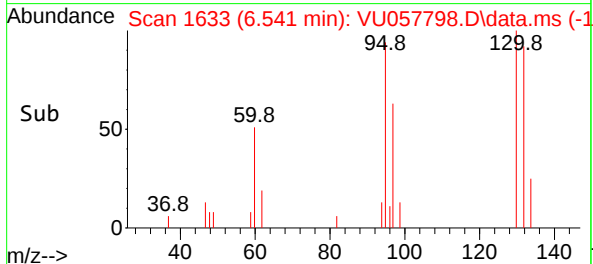
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT1-2024



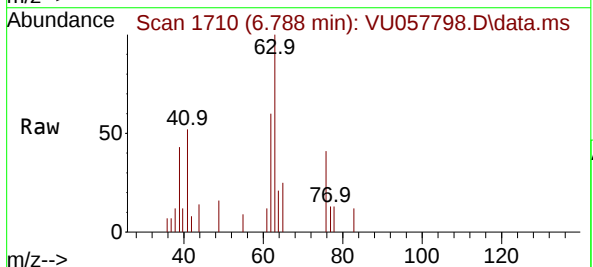
Tgt Ion:130 Resp: 4012
Ion Ratio Lower Upper
130 100
95 93.9 85.0 127.6

Manual Integrations
APPROVED

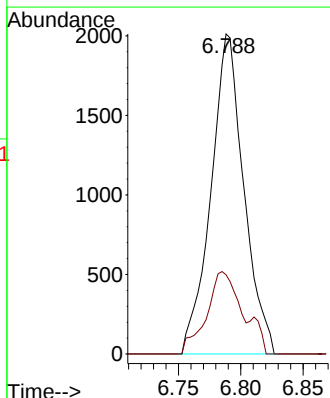
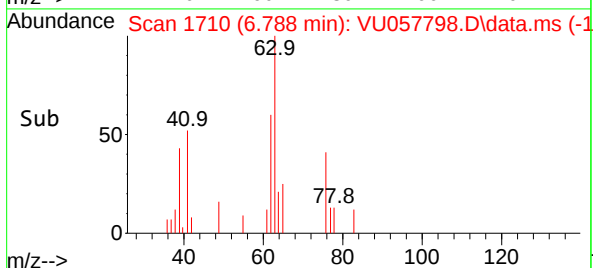
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#38
1,2-Dichloropropane
Concen: 0.317 ug/l
RT: 6.788 min Scan# 1710
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41



Tgt Ion: 63 Resp: 3689
Ion Ratio Lower Upper
63 100
65 24.8 24.9 37.3#





#39

Methacrylonitrile

Concen: 0.246 ug/l

RT: 5.007 min Scan# 1156

Delta R.T. 0.039 min

Lab File: VU057798.D

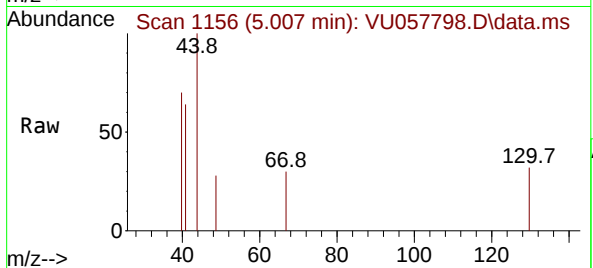
Acq: 02 Feb 2024 17:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2024



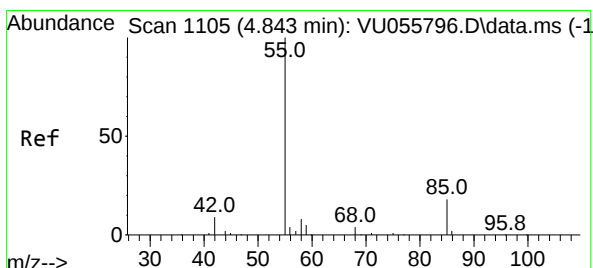
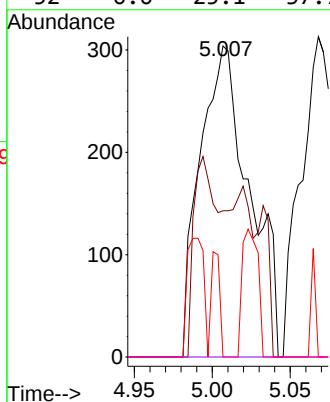
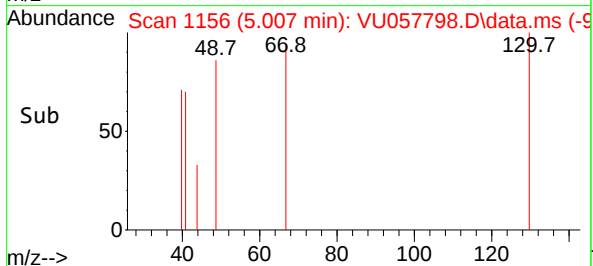
Tgt Ion	Ratio	Lower	Upper
41	100		
67	0.0	66.8	100.2
39	12.9	41.2	61.8
52	0.0	25.1	37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#40

Methyl acrylate

Concen: 0.206 ug/l

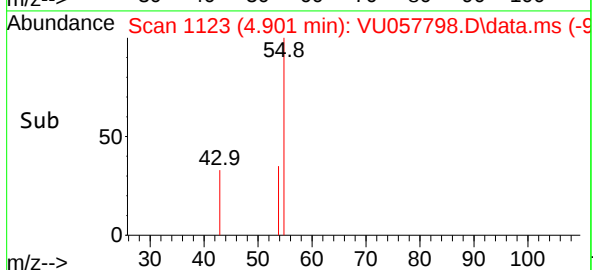
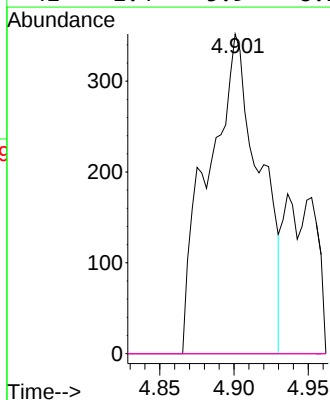
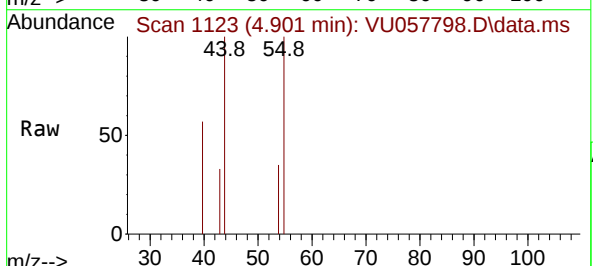
RT: 4.901 min Scan# 1123

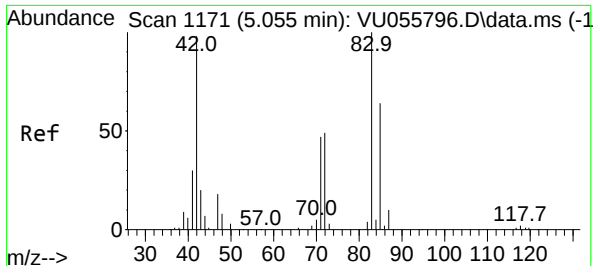
Delta R.T. 0.058 min

Lab File: VU057798.D

Acq: 02 Feb 2024 17:41

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.3	19.9
58	0.0	6.5	9.7
42	2.4	5.9	8.9





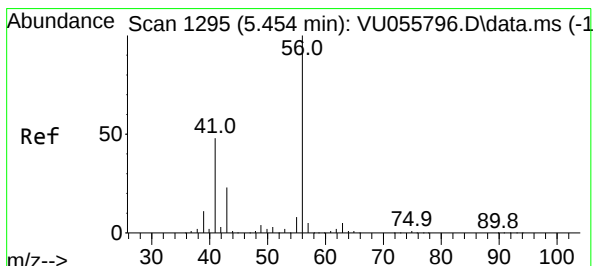
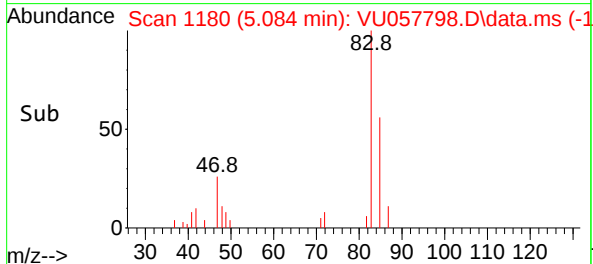
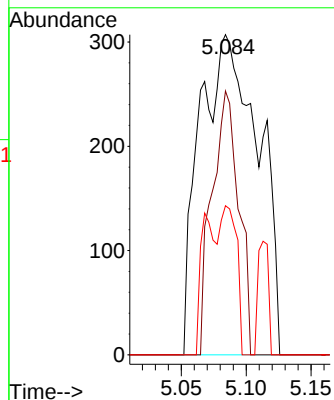
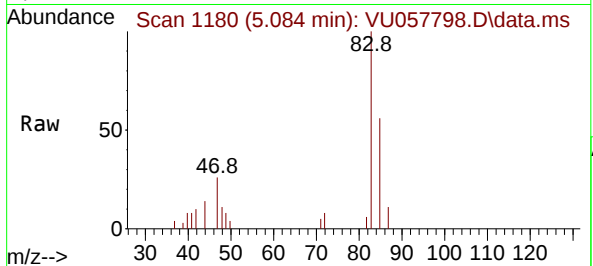
#41
Tetrahydrofuran
Concen: 0.660 ug/l m
RT: 5.084 min Scan# 1171
Delta R.T. 0.029 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion: 42 Resp: 964
Ion Ratio Lower Upper
42 100
72 0.0 40.9 61.3
71 11.7 36.9 55.3

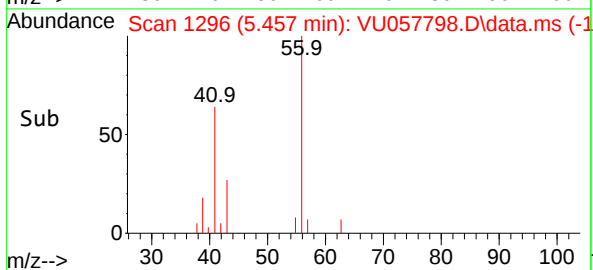
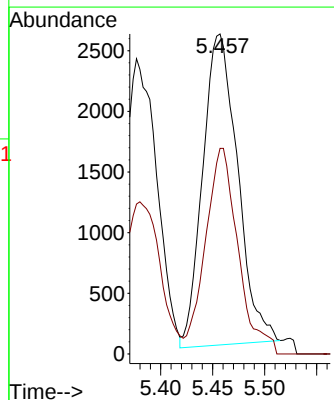
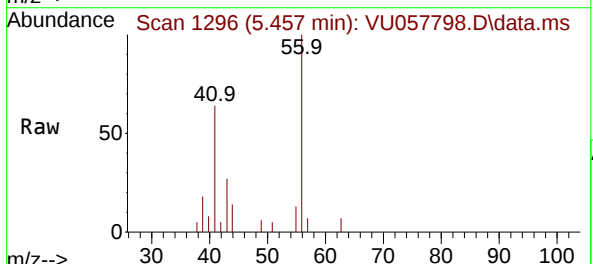
Manual Integrations
APPROVED

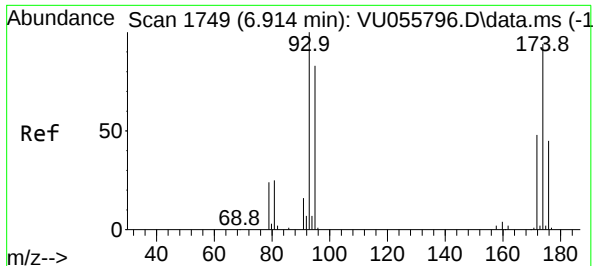
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#42
1-Chlorobutane
Concen: 0.292 ug/l
RT: 5.457 min Scan# 1296
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Tgt Ion: 56 Resp: 5986
Ion Ratio Lower Upper
56 100
41 61.8 25.2 75.6





#43

Dibromomethane

Concen: 0.303 ug/l

RT: 6.917 min Scan# 1750

Delta R.T. 0.003 min

Lab File: VU057798.D

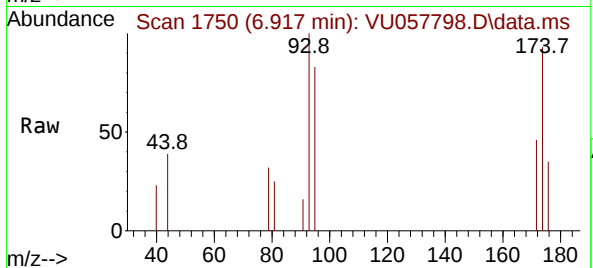
Acq: 02 Feb 2024 17:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2024



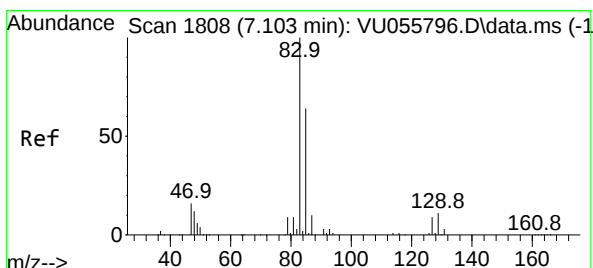
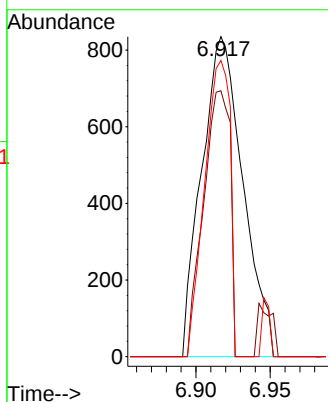
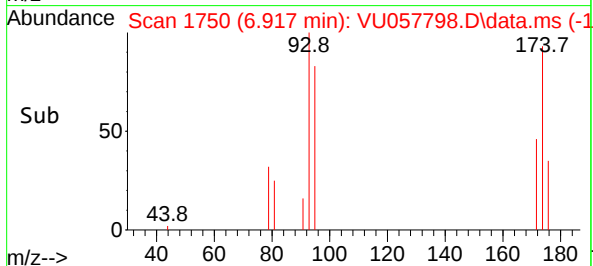
Tgt Ion:	93	Resp:	1618
Ion	Ratio	Lower	Upper
93	100		
95	53.6	67.0	100.6
174	57.0	73.8	110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#44

Bromodichloromethane

Concen: 0.293 ug/l

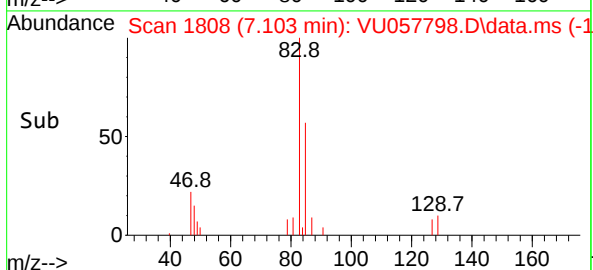
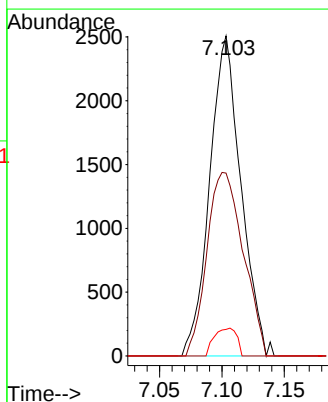
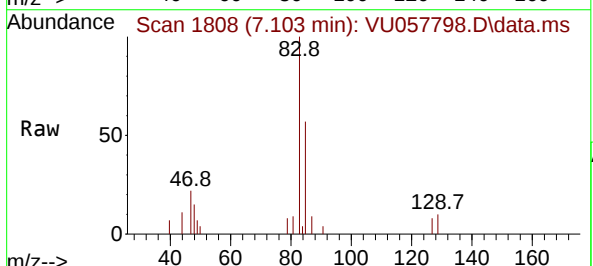
RT: 7.103 min Scan# 1808

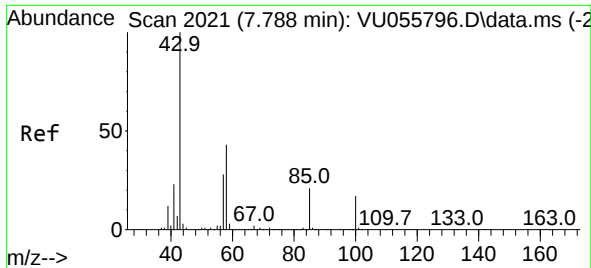
Delta R.T. 0.000 min

Lab File: VU057798.D

Acq: 02 Feb 2024 17:41

Tgt Ion:	83	Resp:	4387
Ion	Ratio	Lower	Upper
83	100		
85	57.1	51.9	77.9
127	8.3	6.7	10.1





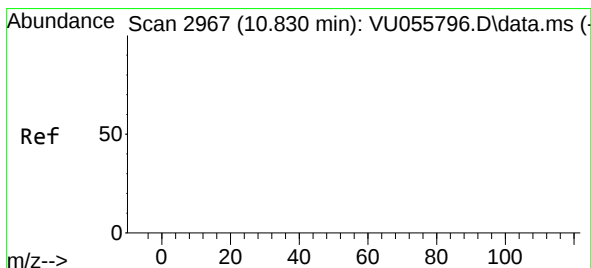
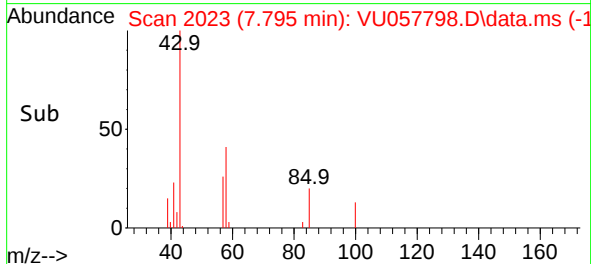
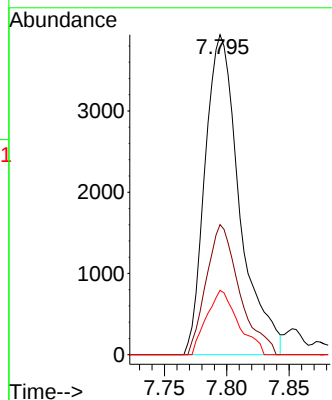
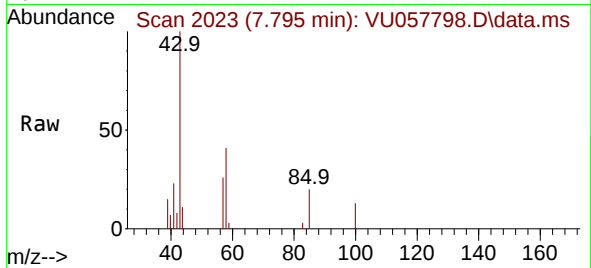
#45
4-Methyl-2-Pentanone
Concen: 1.334 ug/l
RT: 7.795 min Scan# 2021
Delta R.T. 0.007 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion: 43 Resp: 7599
Ion Ratio Lower Upper
43 100
58 39.1 20.9 62.8
85 18.4 14.6 21.8

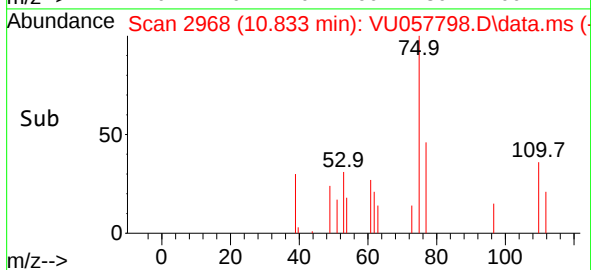
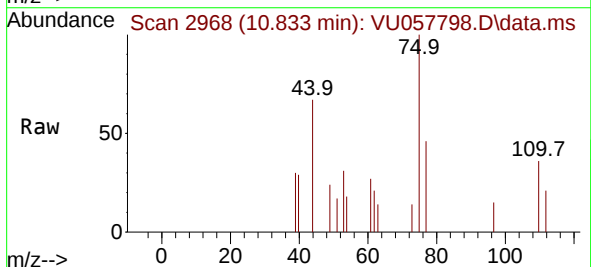
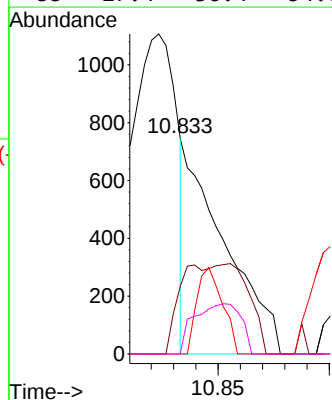
Manual Integrations
APPROVED

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



#46
t-1,4-Dichloro-2-butene
Concen: 0.715 ug/l m
RT: 10.833 min Scan# 2968
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Tgt Ion: 75 Resp: 925
Ion Ratio Lower Upper
75 100
53 26.5 73.3 109.9#
89 25.9 48.2 72.4#
88 27.4 36.4 54.6#





#47

Methyl methacrylate

Concen: 0.536 ug/l

RT: 6.968 min Scan# 1766

Delta R.T. 0.009 min

Lab File: VU057798.D

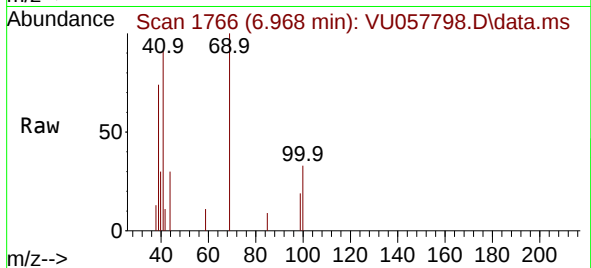
Acq: 02 Feb 2024 17:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2024



Tgt Ion: 69 Resp: 253

Ion Ratio Lower Upper

69 100

41 112.1 0.0 209.2

39 67.3 46.7 70.1

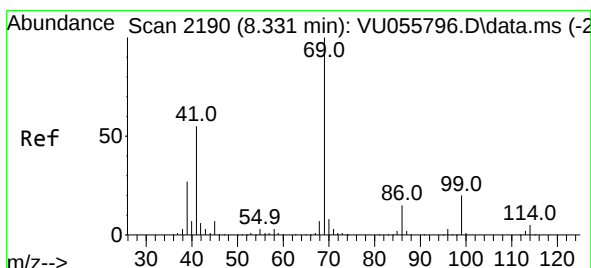
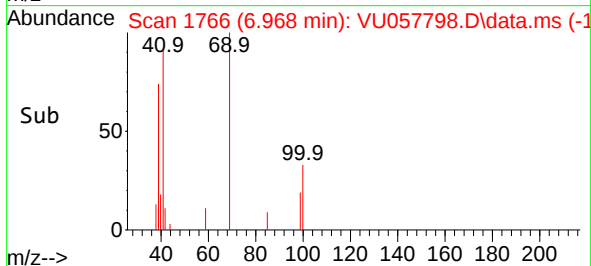
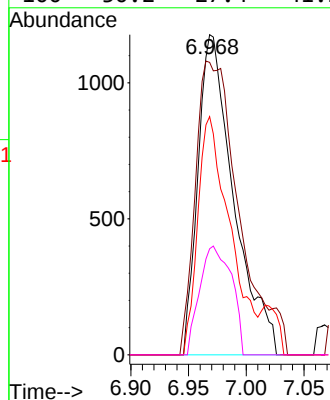
100 30.2 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/14/2024

Supervised By :Mahesh Dadoda 02/14/2024



#48

Ethyl methacrylate

Concen: 0.231 ug/l

RT: 8.341 min Scan# 2193

Delta R.T. 0.010 min

Lab File: VU057798.D

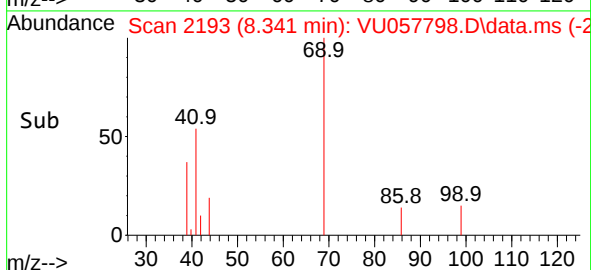
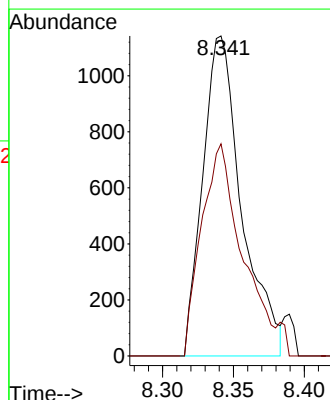
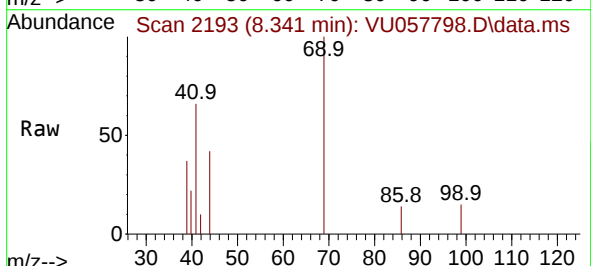
Acq: 02 Feb 2024 17:41

Tgt Ion: 69 Resp: 2184

Ion Ratio Lower Upper

69 100

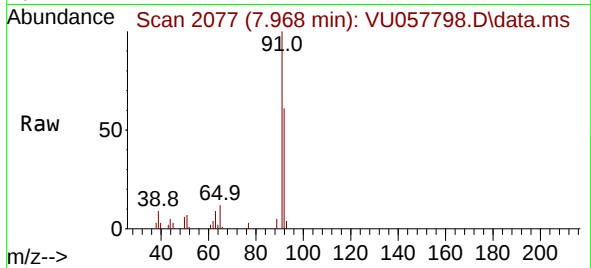
41 71.2 30.3 90.8





#49
Toluene
Concen: 0.298 ug/l
RT: 7.968 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

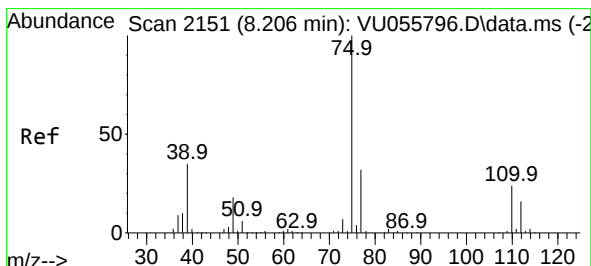
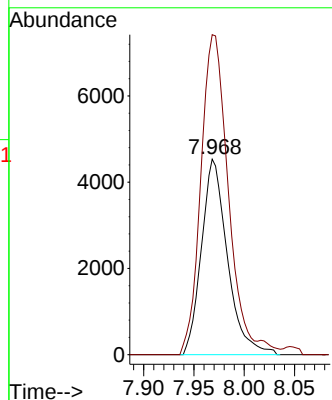
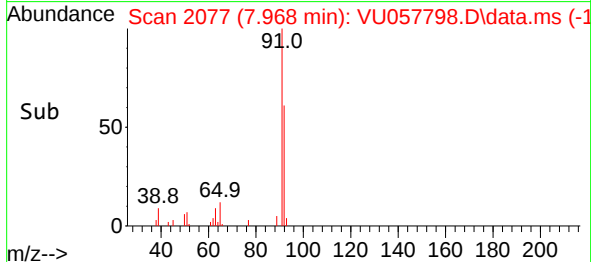
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



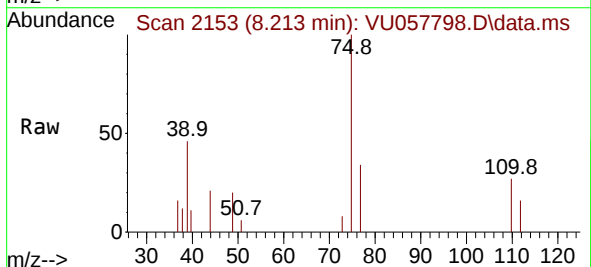
Tgt Ion: 92 Resp: 8150
Ion Ratio Lower Upper
92 100
91 174.4 143.0 214.6

Manual Integrations
APPROVED

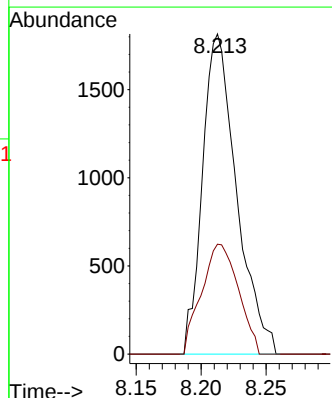
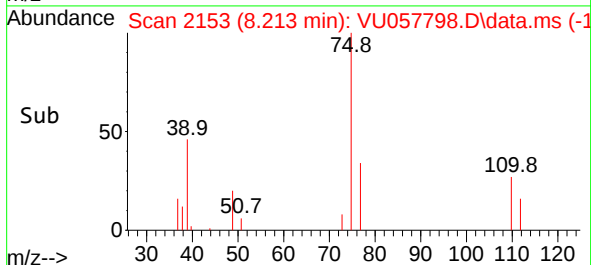
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

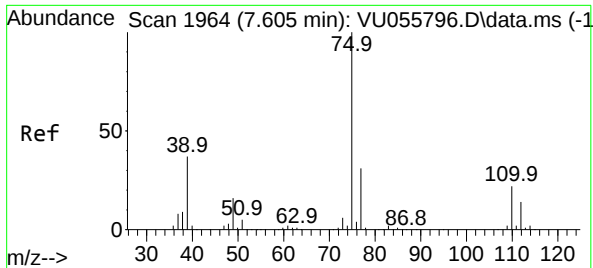


#50
t-1,3-Dichloropropene
Concen: 0.256 ug/l
RT: 8.213 min Scan# 2153
Delta R.T. 0.007 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41



Tgt Ion: 75 Resp: 3311
Ion Ratio Lower Upper
75 100
77 34.3 25.3 37.9





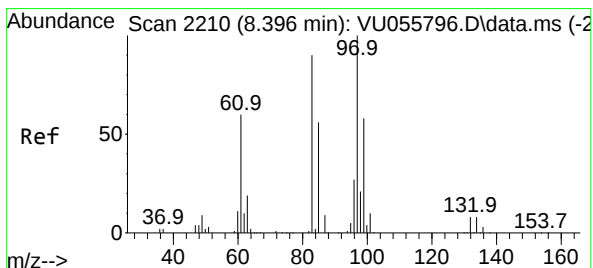
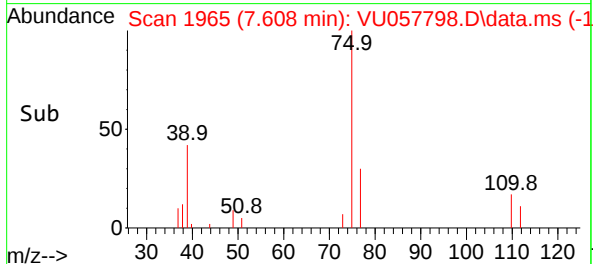
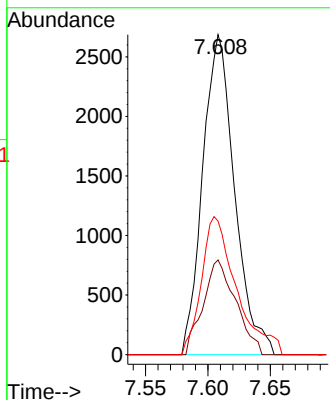
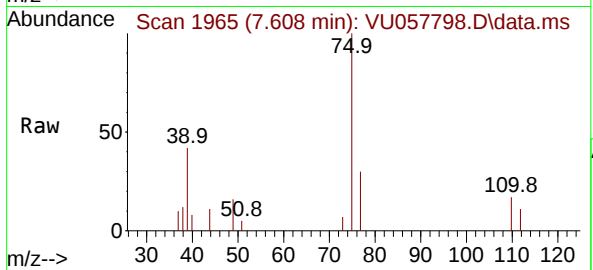
#51
 cis-1,3-Dichloropropene
 Concen: 0.292 ug/l
 RT: 7.608 min Scan# 1964
 Delta R.T. 0.003 min
 Lab File: VU057798.D
 Acq: 02 Feb 2024 17:41

Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2024

Tgt Ion: 75 Resp: 4785
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.7 38.5
 39 41.7 32.8 49.2

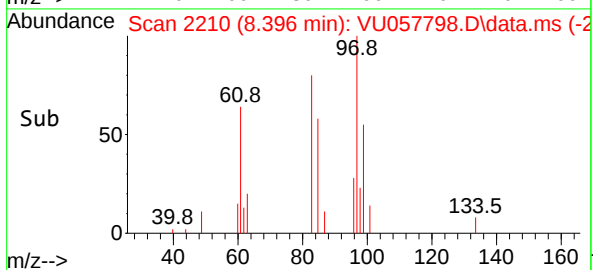
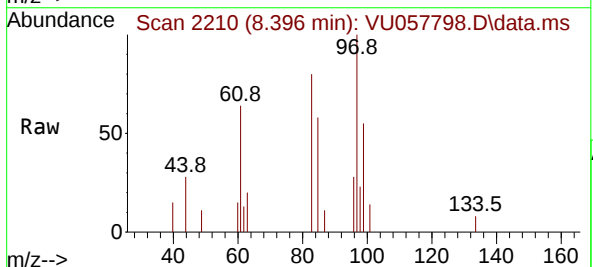
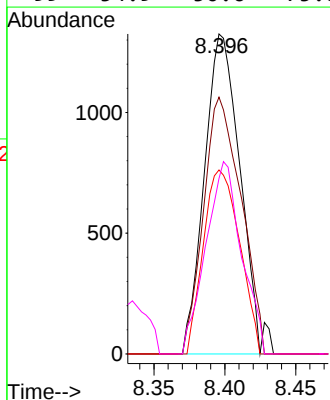
Manual Integrations
 APPROVED

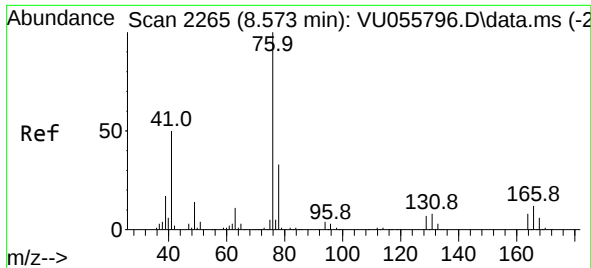
Reviewed By :John Carlone 02/14/2024
 Supervised By :Mahesh Dadoda 02/14/2024



#52
 1,1,2-Trichloroethane
 Concen: 0.316 ug/l
 RT: 8.396 min Scan# 2210
 Delta R.T. -0.000 min
 Lab File: VU057798.D
 Acq: 02 Feb 2024 17:41

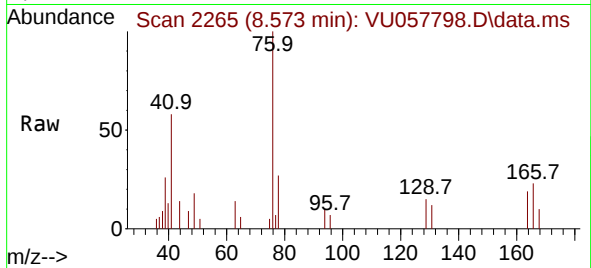
Tgt Ion: 97 Resp: 2328
 Ion Ratio Lower Upper
 97 100
 83 80.2 71.8 107.8
 85 57.5 45.2 67.8
 99 54.9 50.6 75.8





#53
1,3-Dichloropropane
Concen: 0.294 ug/l
RT: 8.573 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

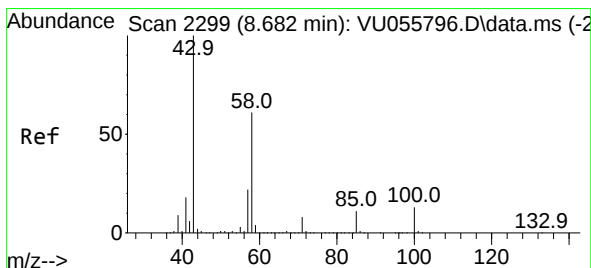
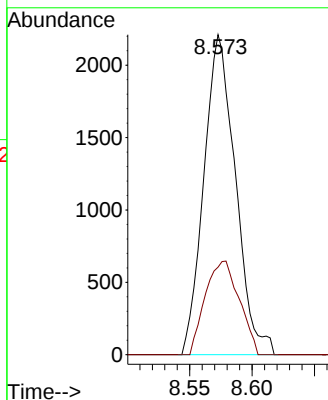
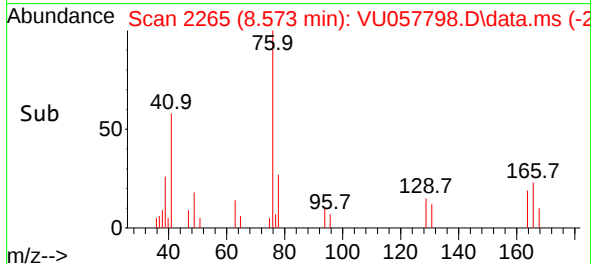
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



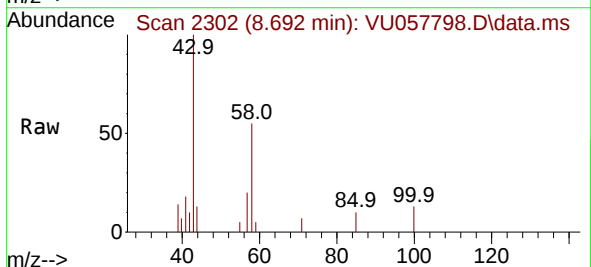
Tgt Ion: 76 Resp: 3894
Ion Ratio Lower Upper
76 100
78 31.5 25.9 38.9

Manual Integrations
APPROVED

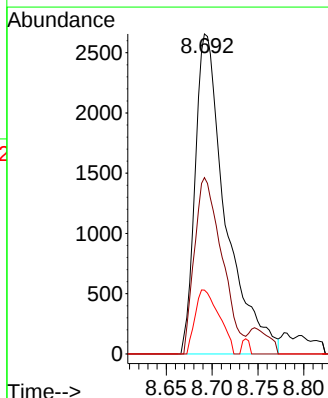
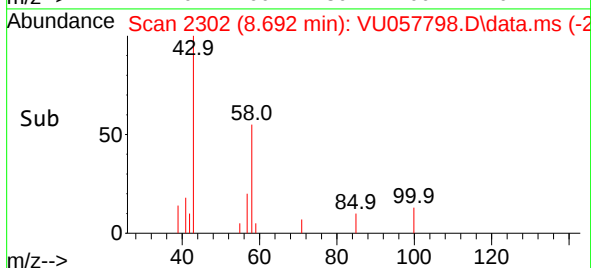
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#54
2-Hexanone
Concen: 1.167 ug/l
RT: 8.692 min Scan# 2302
Delta R.T. 0.010 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41



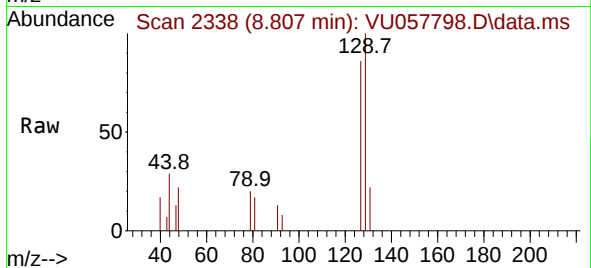
Tgt Ion: 43 Resp: 6122
Ion Ratio Lower Upper
43 100
58 50.1 38.2 78.2
57 15.8 0.0 39.1





#55
Dibromochloromethane
Concen: 0.281 ug/l
RT: 8.807 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

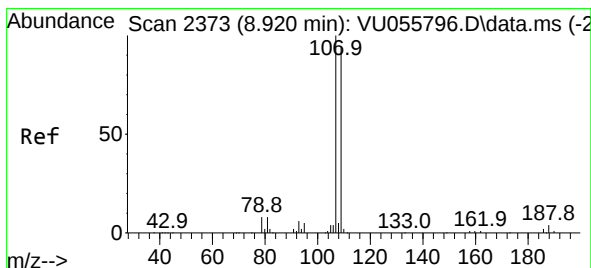
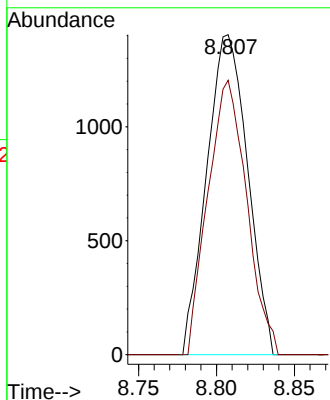
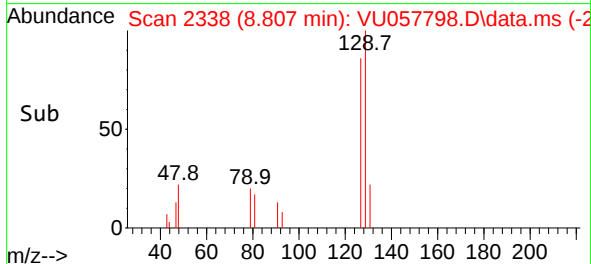
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



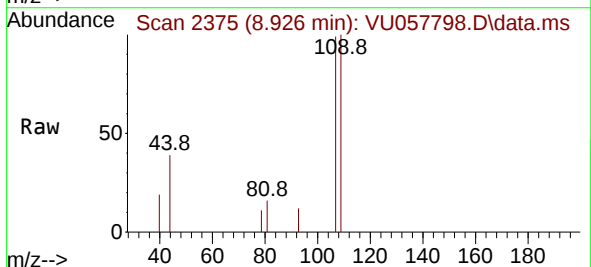
Tgt Ion:129 Resp: 2564
Ion Ratio Lower Upper
129 100
127 81.2 61.4 92.0

Manual Integrations
APPROVED

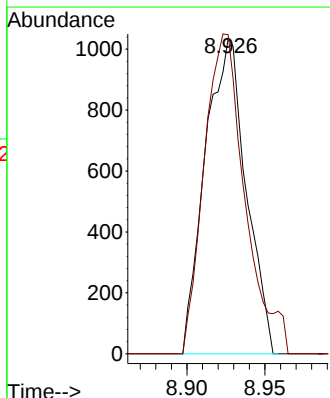
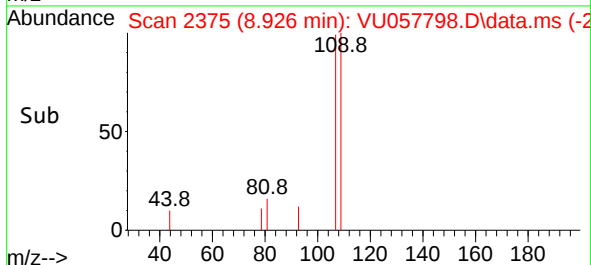
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

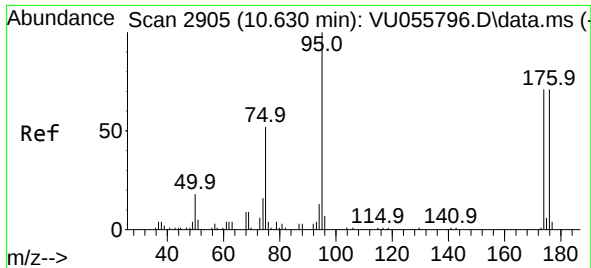


#56
1,2-Dibromoethane
Concen: 0.278 ug/l
RT: 8.926 min Scan# 2375
Delta R.T. 0.006 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41



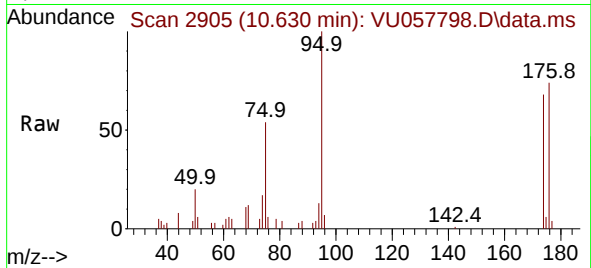
Tgt Ion:107 Resp: 1888
Ion Ratio Lower Upper
107 100
109 101.5 0.0 184.4





#57
4-Bromofluorobenzene
Concen: 0.882 ug/l
RT: 10.630 min Scan# 2905
Delta R.T. 0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

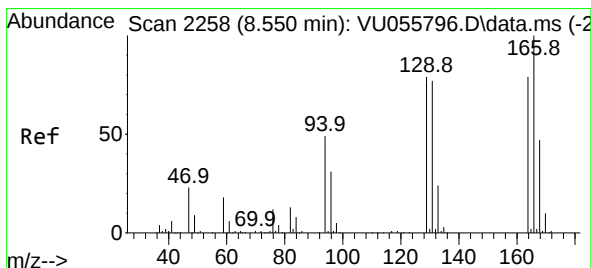
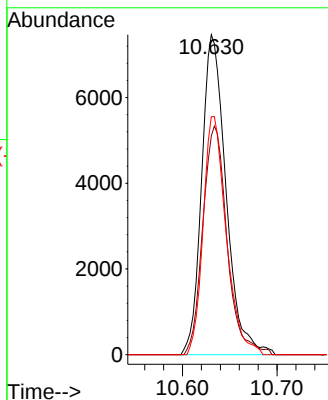
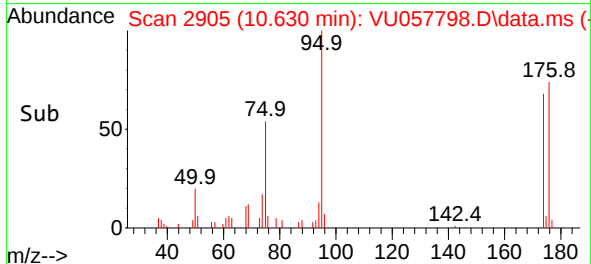
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT1-2024



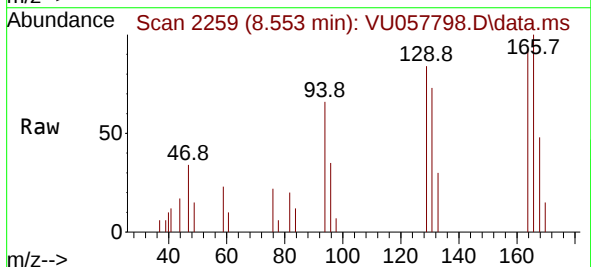
Tgt Ion: 95 Resp: 1336
Ion Ratio Lower Upper
95 100
174 71.1 63.3 94.9
176 70.4 59.3 88.9

Manual Integrations
APPROVED

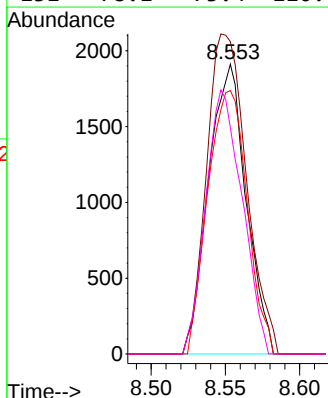
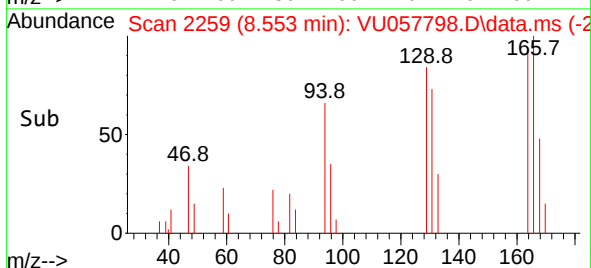
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#58
Tetrachloroethene
Concen: 0.321 ug/l
RT: 8.553 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41



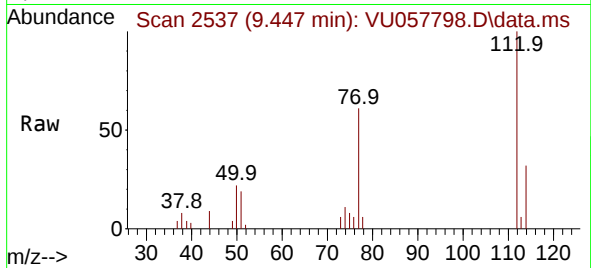
Tgt Ion:164 Resp: 3370
Ion Ratio Lower Upper
164 100
166 107.7 99.6 149.4
129 90.8 78.6 117.8
131 78.1 73.4 110.0





#59
Chlorobenzene
Concen: 0.311 ug/l
RT: 9.447 min Scan# 2537
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

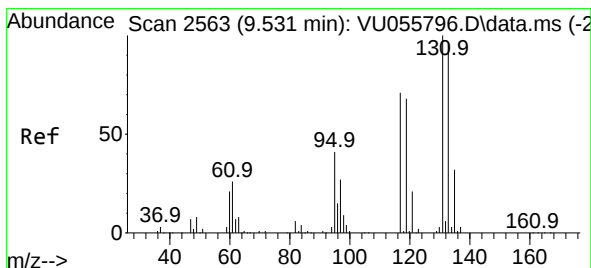
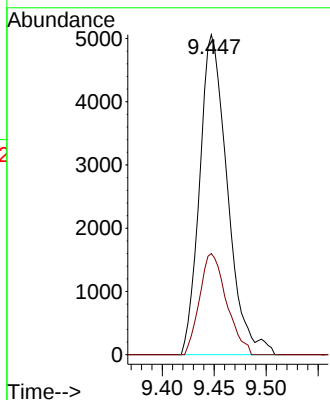
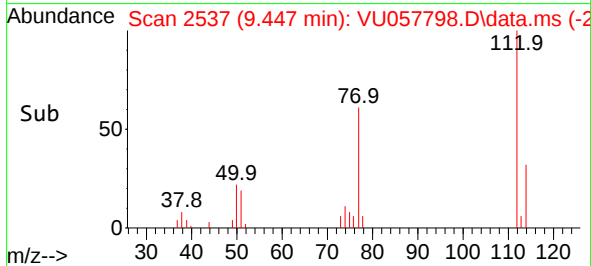
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion:112 Resp: 940
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4

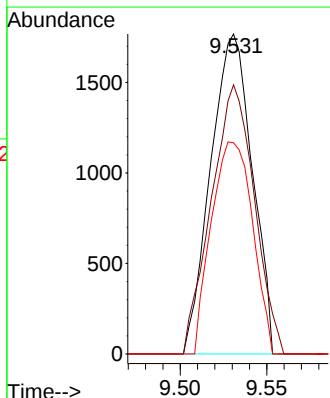
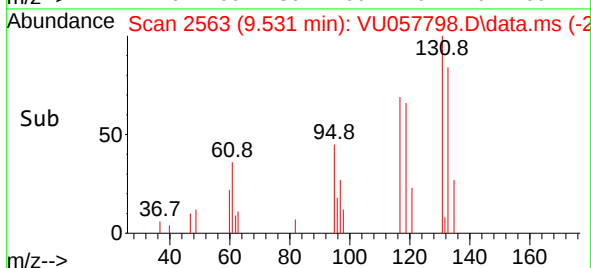
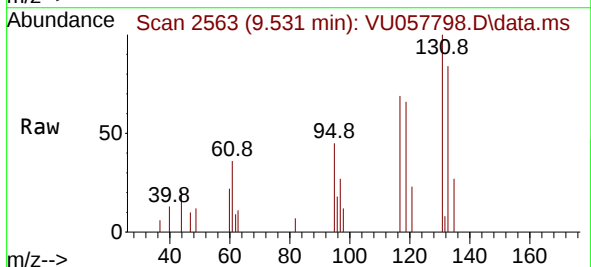
Manual Integrations
APPROVED

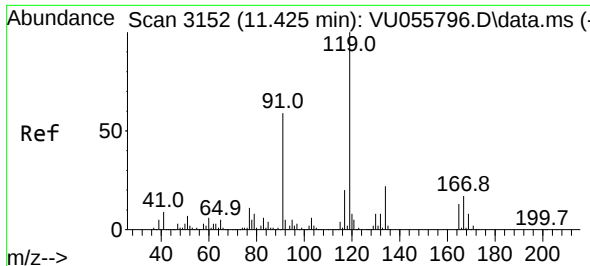
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#60
1,1,1,2-Tetrachloroethane
Concen: 0.287 ug/l
RT: 9.531 min Scan# 2563
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Tgt Ion:131 Resp: 2951
Ion Ratio Lower Upper
131 100
133 87.2 77.8 116.6
119 65.7 55.2 82.8





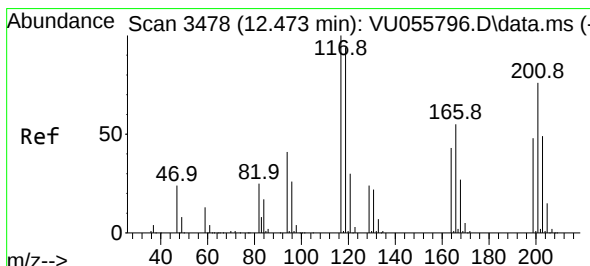
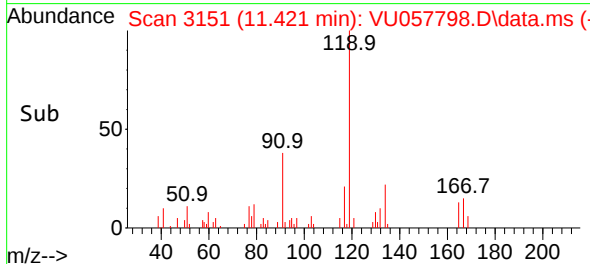
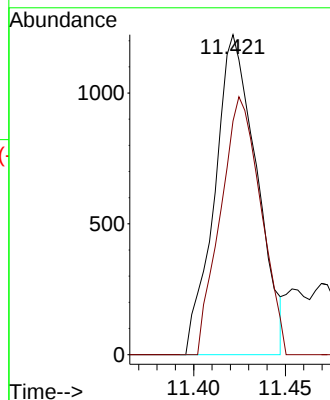
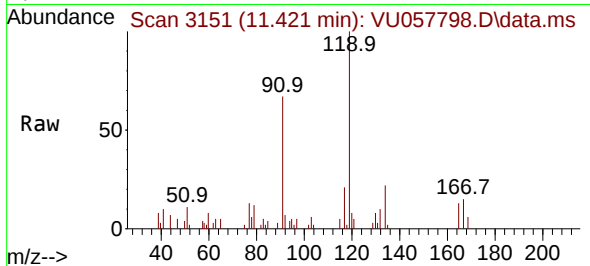
#61
Pentachloroethane
Concen: 0.261 ug/l
RT: 11.421 min Scan# 3152
Delta R.T. -0.004 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion:117 Resp: 1950
Ion Ratio Lower Upper
117 100
167 77.2 56.7 85.1

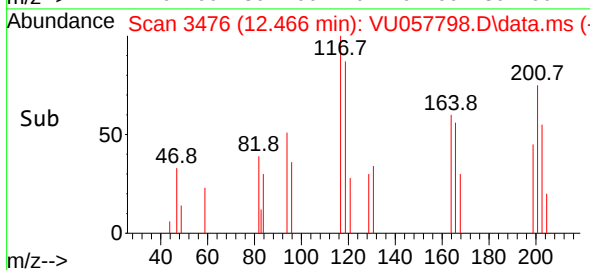
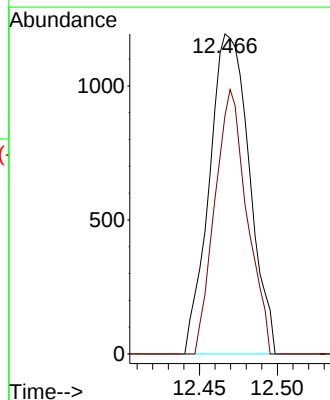
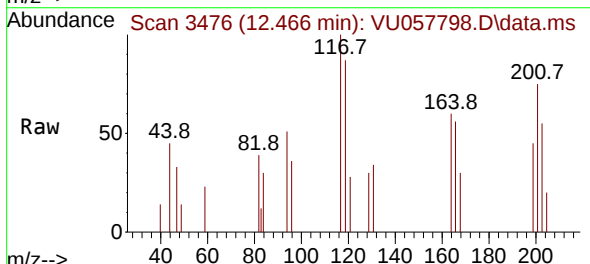
Manual Integrations
APPROVED

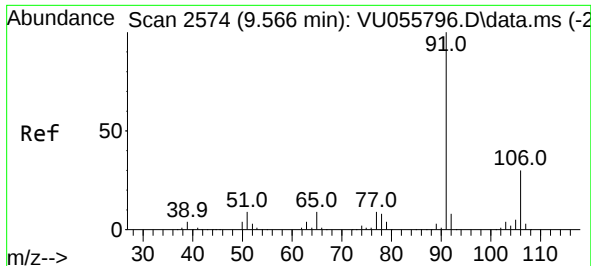
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#62
Hexachloroethane
Concen: 0.262 ug/l
RT: 12.466 min Scan# 3476
Delta R.T. -0.007 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Tgt Ion:117 Resp: 2135
Ion Ratio Lower Upper
117 100
201 66.4 59.6 89.4





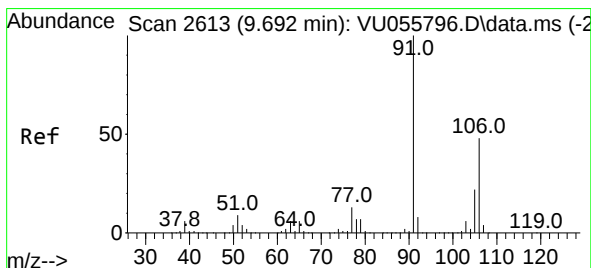
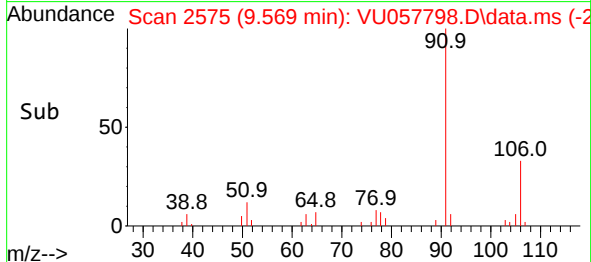
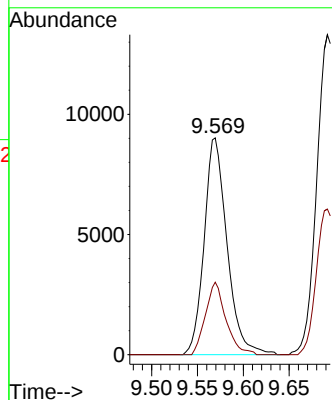
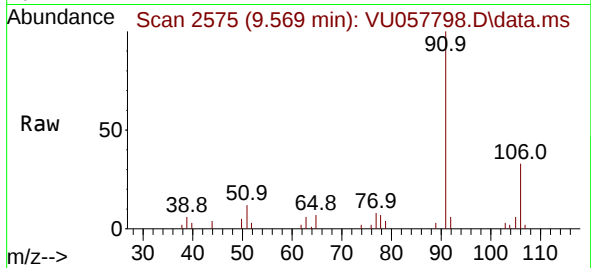
#63
Ethyl Benzene
Concen: 0.291 ug/l
RT: 9.569 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion: 91 Resp: 1565
Ion Ratio Lower Upper
91 100
106 33.5 24.2 36.2

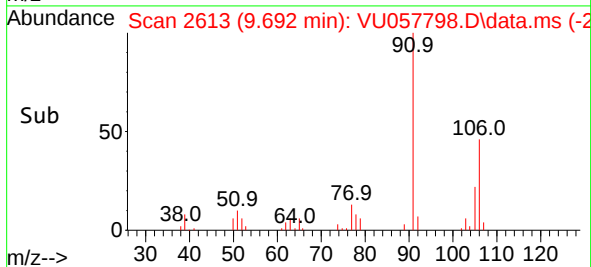
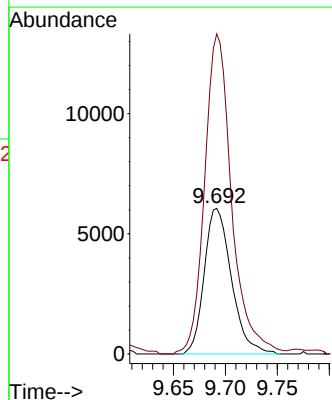
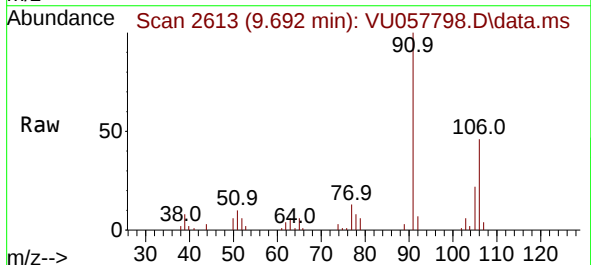
Manual Integrations
APPROVED

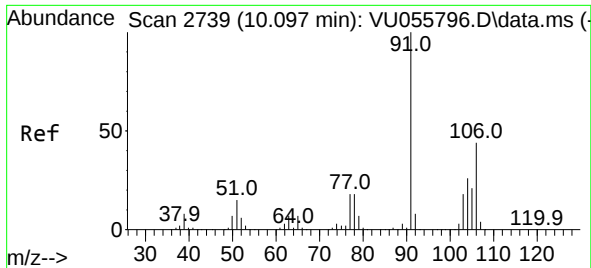
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#64
m/p-Xylenes
Concen: 0.564 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Tgt Ion:106 Resp: 11033
Ion Ratio Lower Upper
106 100
91 218.5 167.3 250.9





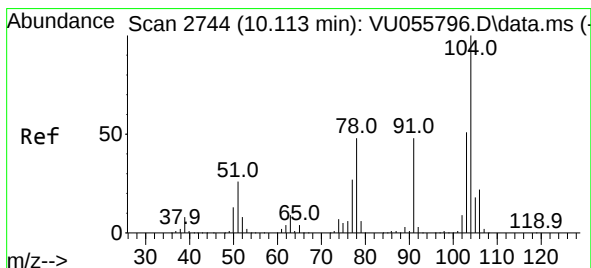
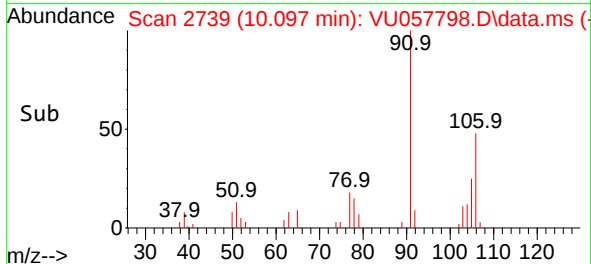
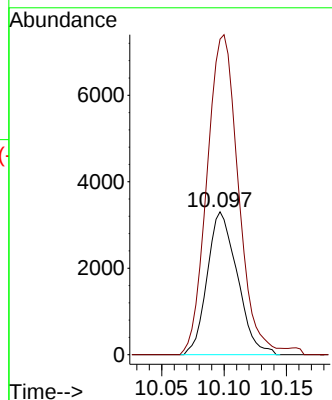
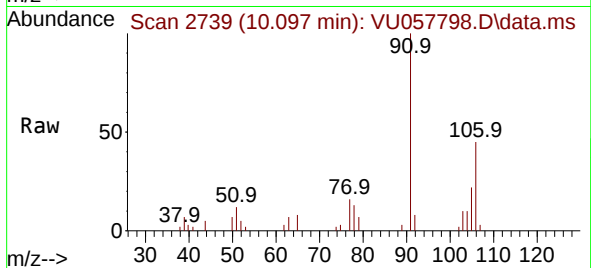
#65
o-Xylene
Concen: 0.286 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion:106 Resp: 5549
Ion Ratio Lower Upper
106 100
91 234.3 109.3 327.9

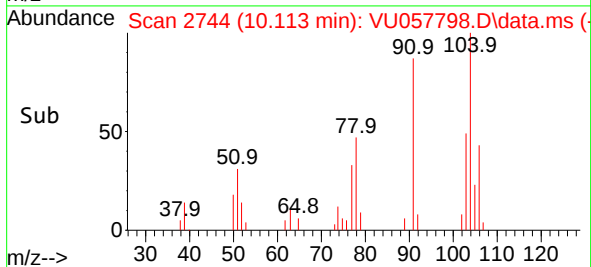
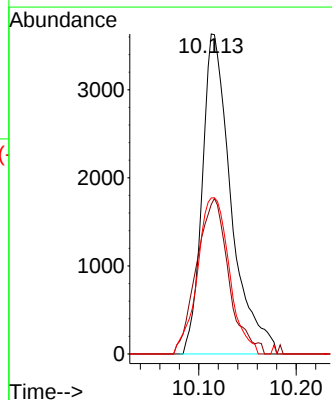
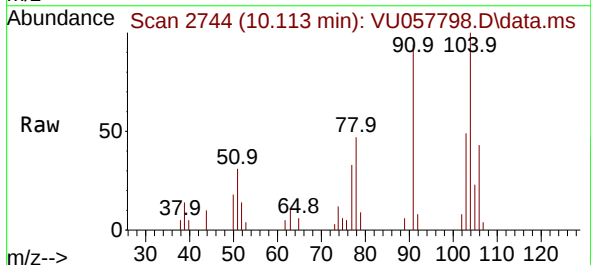
Manual Integrations
APPROVED

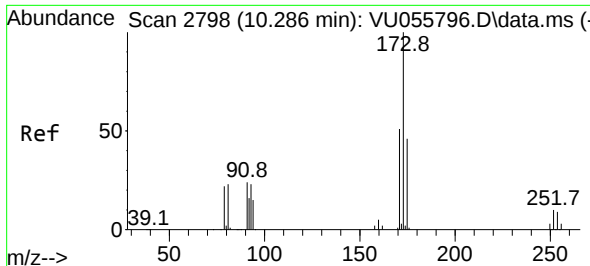
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#66
Styrene
Concen: 0.259 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

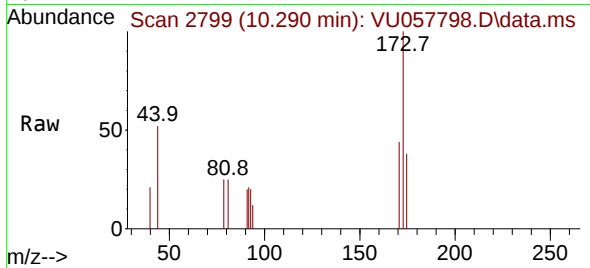
Tgt Ion:104 Resp: 7491
Ion Ratio Lower Upper
104 100
78 53.9 39.7 59.5
103 53.6 44.8 67.2





#67
Bromoform
Concen: 0.276 ug/l
RT: 10.290 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

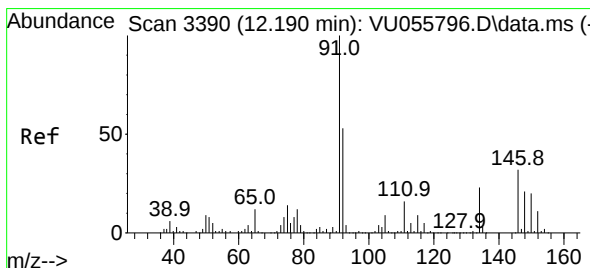
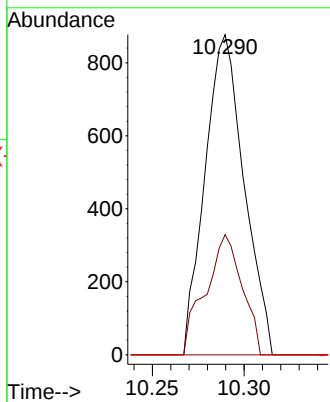
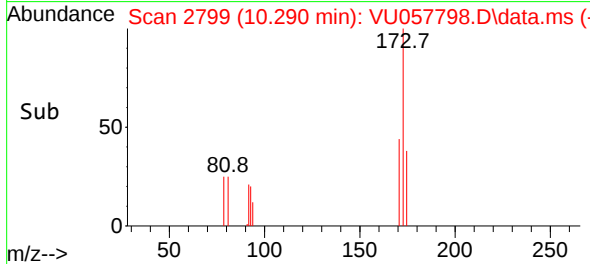
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



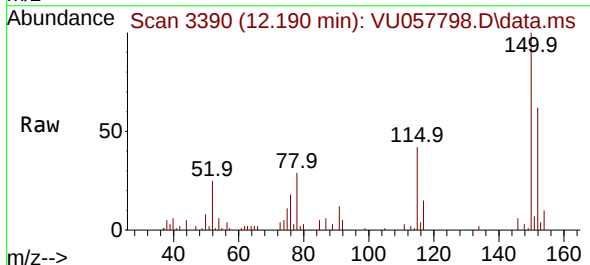
Tgt Ion:173 Resp: 1290
Ion Ratio Lower Upper
173 100
175 35.4 39.0 58.6
254 0.0 7.4 11.0

Manual Integrations
APPROVED

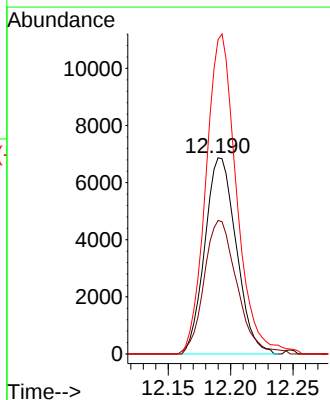
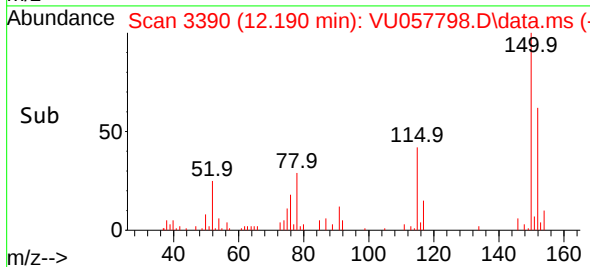
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

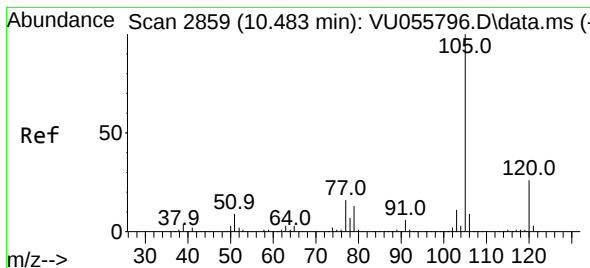


#68
1,2-Dichlorobenzene-d4
Concen: 0.881 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41



Tgt Ion:152 Resp: 12028
Ion Ratio Lower Upper
152 100
115 71.2 0.0 308.8
150 159.3 0.0 635.0





#69

Isopropylbenzene

Concen: 0.293 ug/l

RT: 10.479 min Scan# 2859

Delta R.T. -0.004 min

Lab File: VU057798.D

Acq: 02 Feb 2024 17:41

Instrument :

MSVOA_U

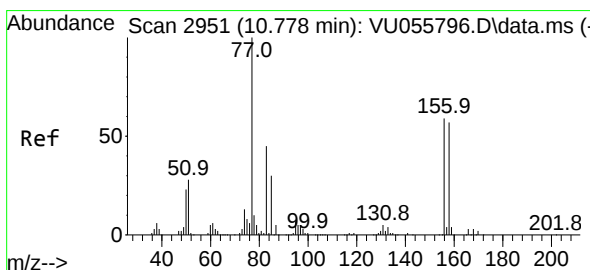
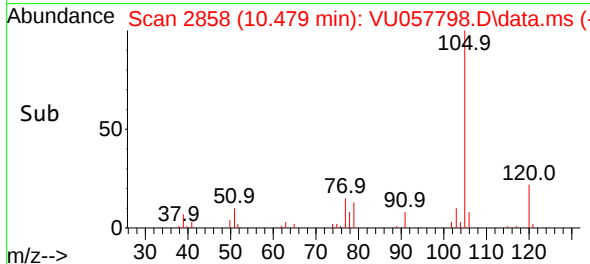
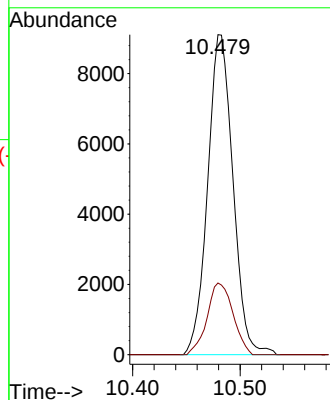
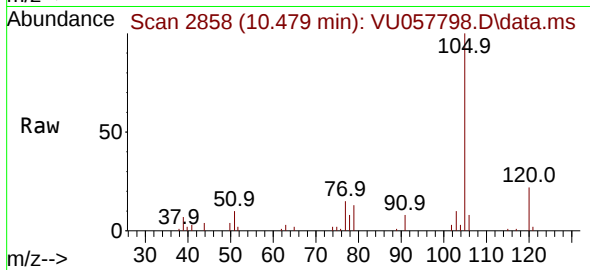
ClientSampleId :

MDL-WATER-03-QT1-2024

Tgt Ion:105 Resp: 1489
 Ion Ratio Lower Upper
 105 100
 120 22.9 12.8 38.4

Manual Integrations
 APPROVED

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



#70

1,1,2,2-Tetrachloroethane

Concen: 0.299 ug/l

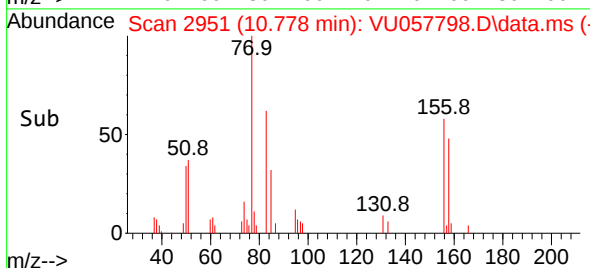
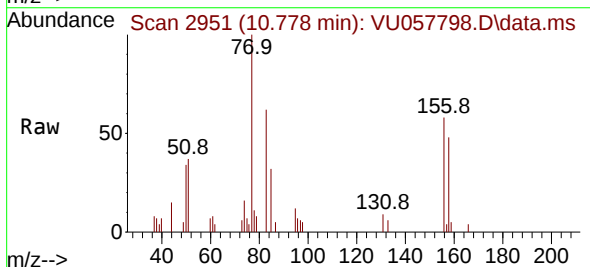
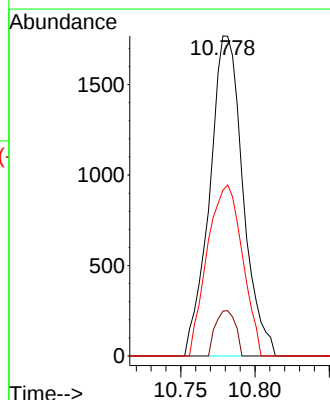
RT: 10.778 min Scan# 2951

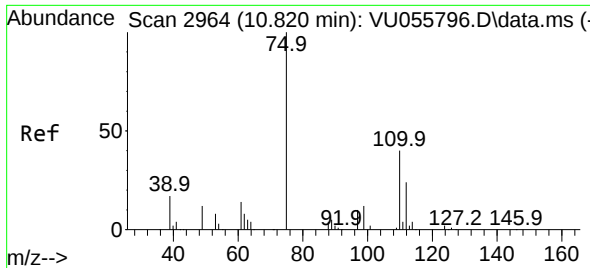
Delta R.T. 0.000 min

Lab File: VU057798.D

Acq: 02 Feb 2024 17:41

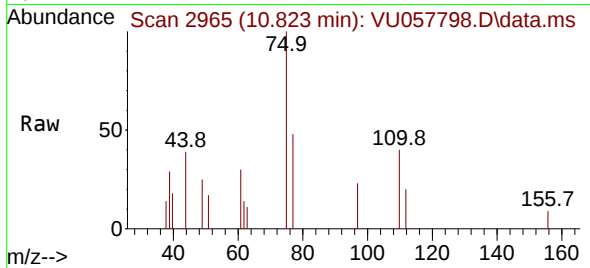
Tgt Ion: 83 Resp: 2761
 Ion Ratio Lower Upper
 83 100
 131 8.5 7.2 10.8
 85 56.2 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 0.234 ug/l m
RT: 10.823 min Scan# 2965
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

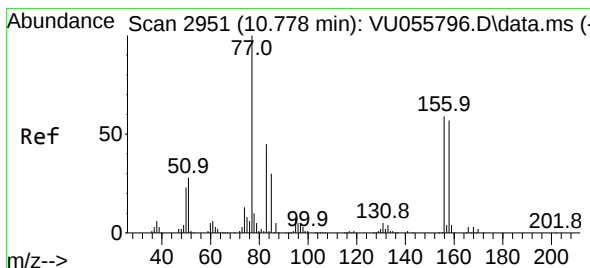
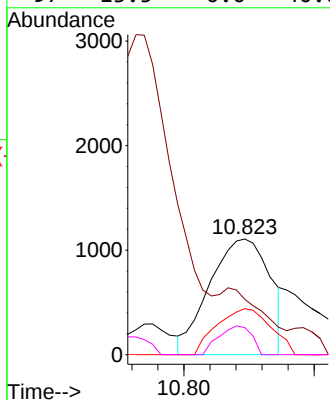
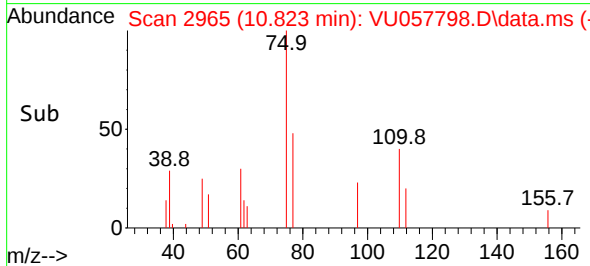
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 75 Resp: 1780
Ion Ratio Lower Upper
75 100
77 57.8 0.0 116.4
110 35.7 0.0 74.6
97 13.5 0.0 40.0

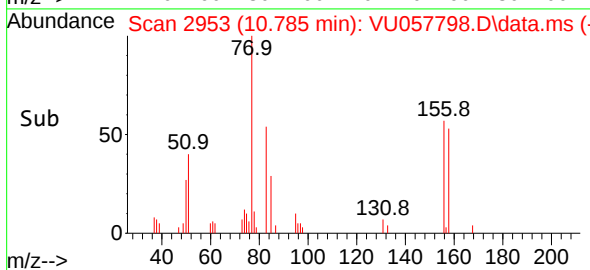
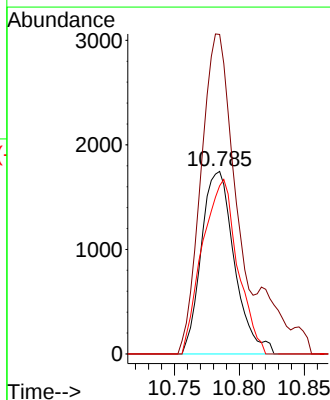
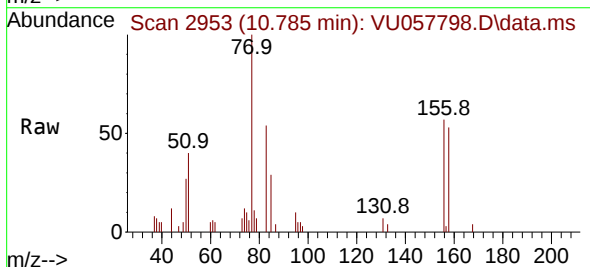
Manual Integrations
APPROVED

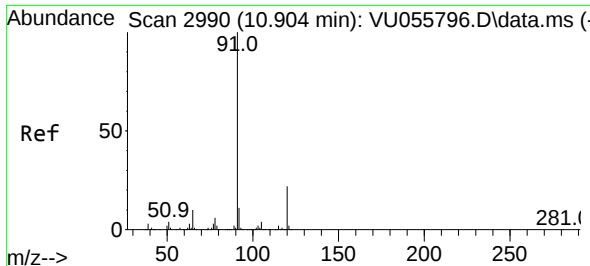
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#72
Bromobenzene
Concen: 0.277 ug/l
RT: 10.785 min Scan# 2953
Delta R.T. 0.007 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

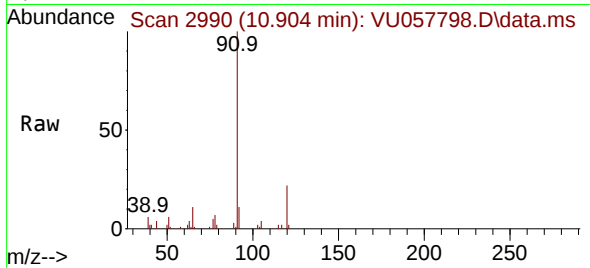
Tgt Ion:156 Resp: 3090
Ion Ratio Lower Upper
156 100
77 177.3 0.0 343.0
158 101.9 0.0 194.8





#73
n-propylbenzene
Concen: 0.367 ug/l
RT: 10.904 min Scan# 2990
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

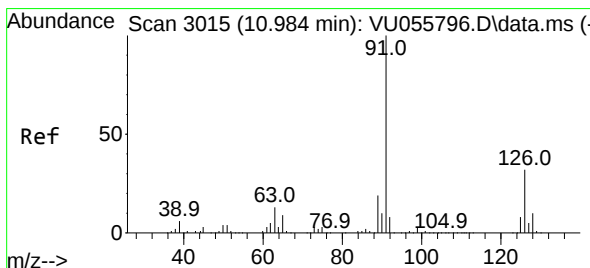
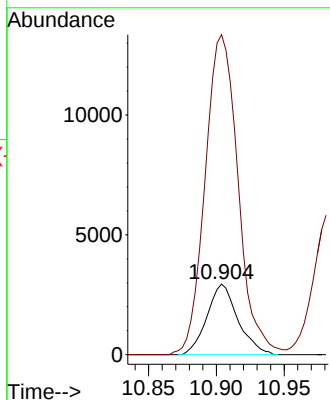
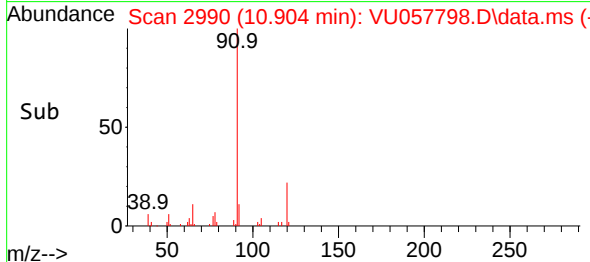
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT1-2024



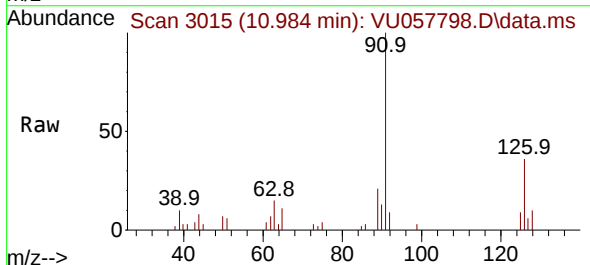
Tgt Ion:120 Resp: 467
Ion Ratio Lower Upper
120 100
91 483.4 369.8 554.6

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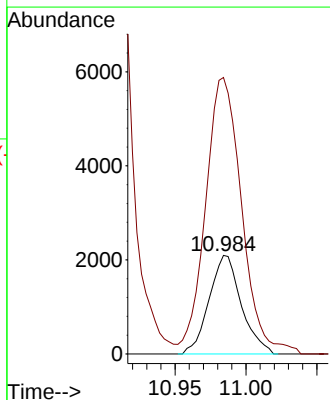
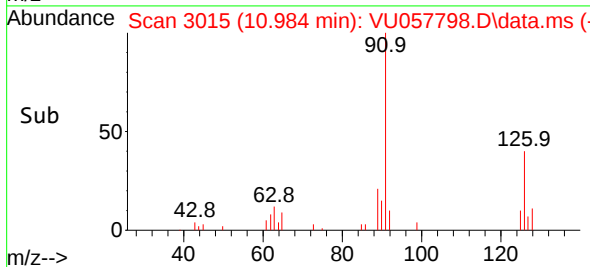
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

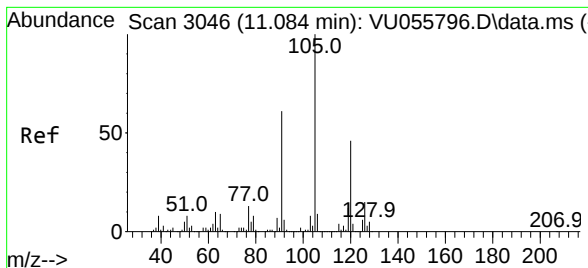


#74
2-Chlorotoluene
Concen: 0.280 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. 0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41



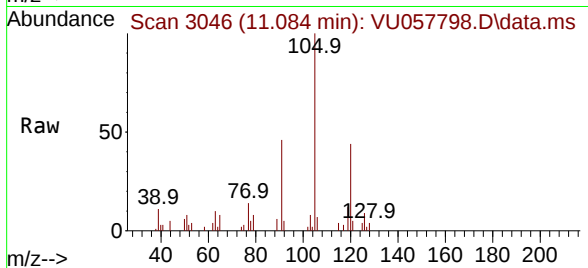
Tgt Ion:126 Resp: 3314
Ion Ratio Lower Upper
126 100
91 314.5 0.0 610.0





#75
1,3,5-Trimethylbenzene
Concen: 0.273 ug/l
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

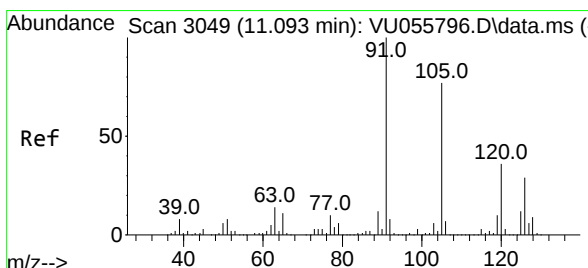
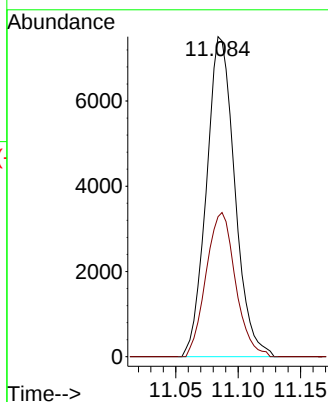
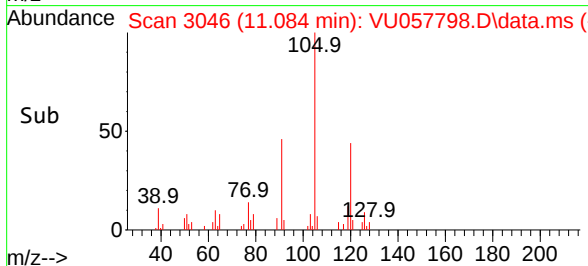
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



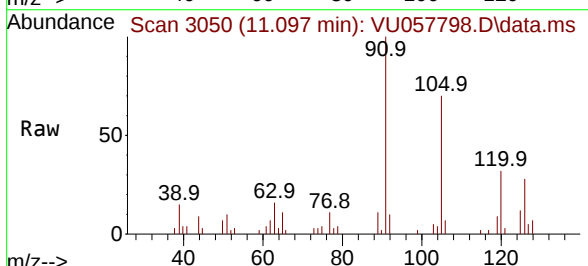
Tgt Ion:105 Resp: 1189
Ion Ratio Lower Upper
105 100
120 46.6 37.8 56.8

Manual Integrations
APPROVED

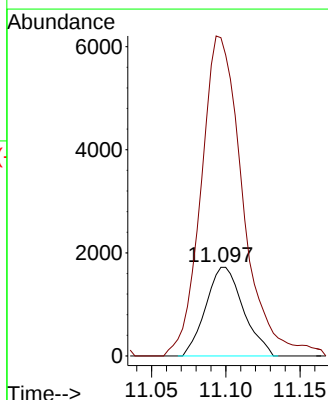
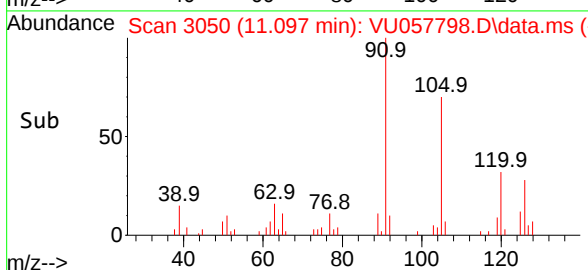
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

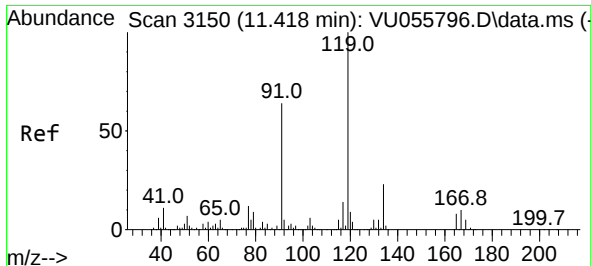


#76
4-Chlorotoluene
Concen: 0.254 ug/l
RT: 11.097 min Scan# 3050
Delta R.T. 0.004 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41



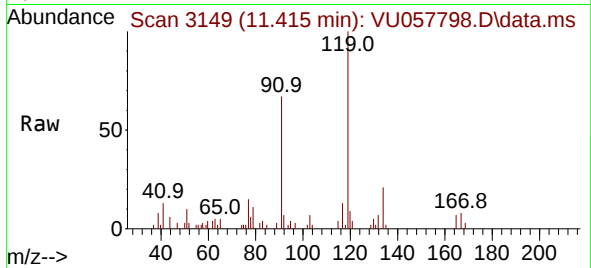
Tgt Ion:126 Resp: 3022
Ion Ratio Lower Upper
126 100
91 401.8 0.0 686.2





#77
tert-Butylbenzene
Concen: 0.282 ug/l
RT: 11.415 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

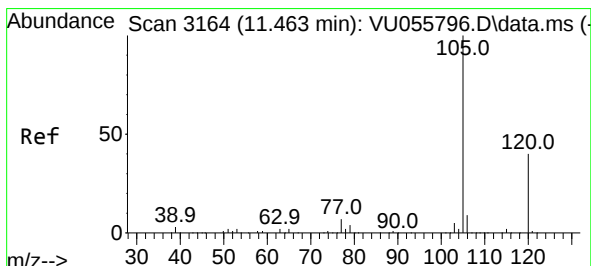
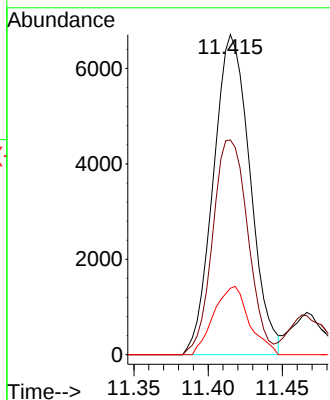
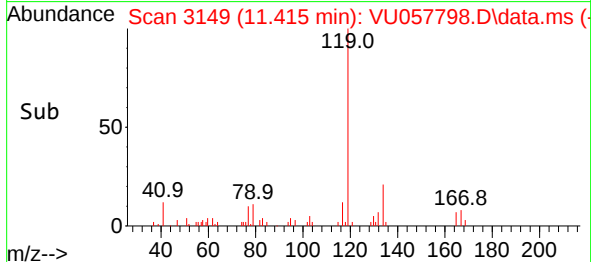
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion:119 Resp: 1152
Ion Ratio Lower Upper
119 100
91 64.5 30.8 92.4
134 20.6 18.0 27.0

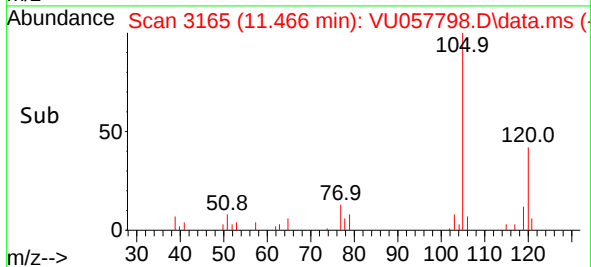
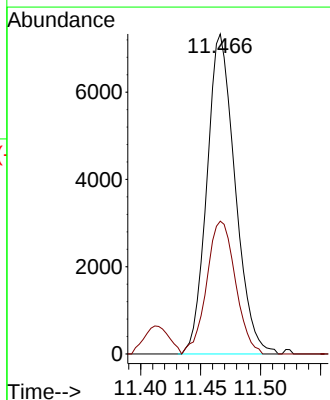
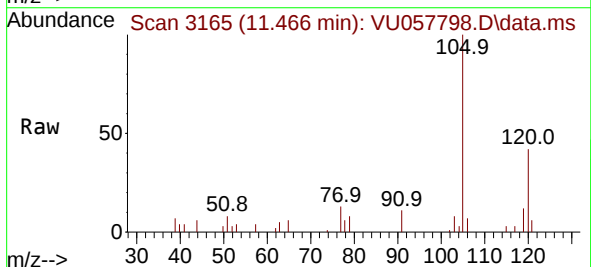
Manual Integrations
APPROVED

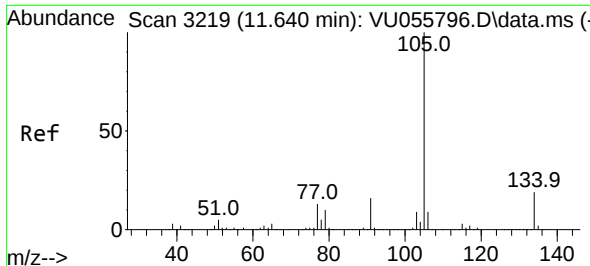
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#78
1,2,4-Trimethylbenzene
Concen: 0.271 ug/l
RT: 11.466 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

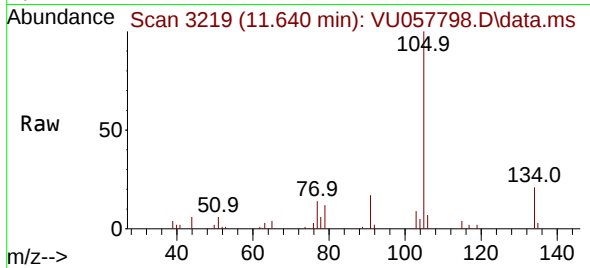
Tgt Ion:105 Resp: 11981
Ion Ratio Lower Upper
105 100
120 42.3 21.9 65.8





#79
 sec-Butylbenzene
 Concen: 0.278 ug/l
 RT: 11.640 min Scan# 3219
 Delta R.T. 0.000 min
 Lab File: VU057798.D
 Acq: 02 Feb 2024 17:41

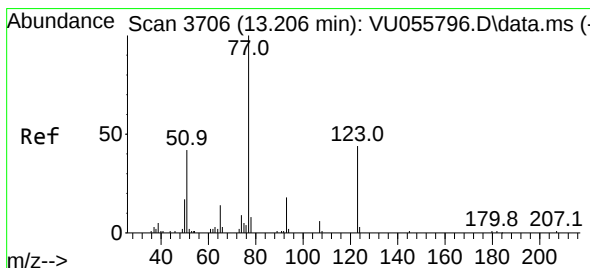
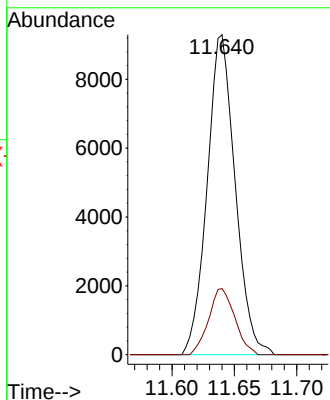
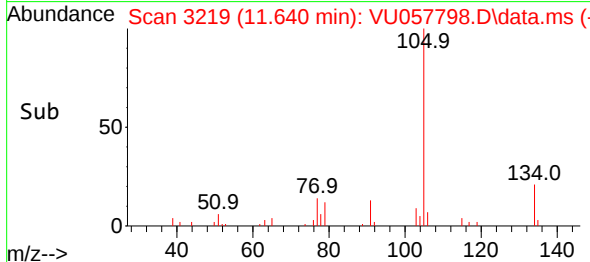
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2024



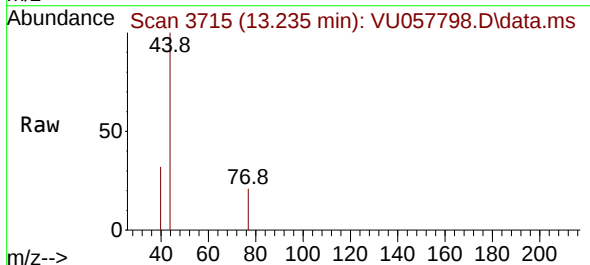
Tgt Ion:105 Resp: 14544
 Ion Ratio Lower Upper
 105 100
 134 19.3 14.9 22.3

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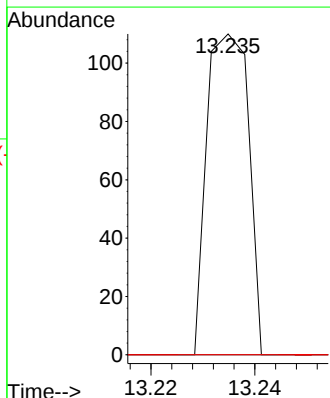
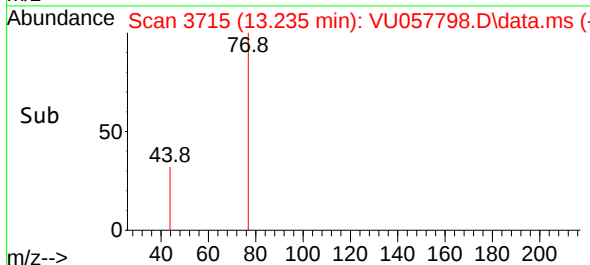
Reviewed By :John Carlone 02/14/2024
 Supervised By :Mahesh Dadoda 02/14/2024

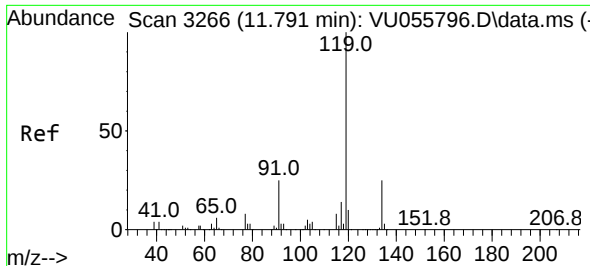


#80
 Nitrobenzene
 Concen: 0.337 ug/l
 RT: 13.235 min Scan# 3715
 Delta R.T. 0.029 min
 Lab File: VU057798.D
 Acq: 02 Feb 2024 17:41



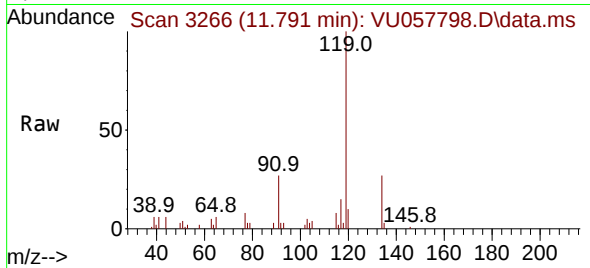
Tgt Ion: 77 Resp: 61
 Ion Ratio Lower Upper
 77 100
 123 0.0 19.7 69.7#
 65 0.0 11.5 14.7#





#81
p-Isopropyltoluene
Concen: 0.263 ug/l
RT: 11.791 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

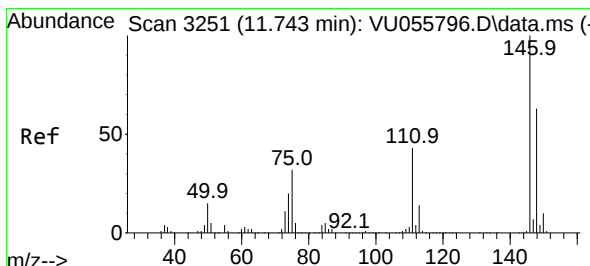
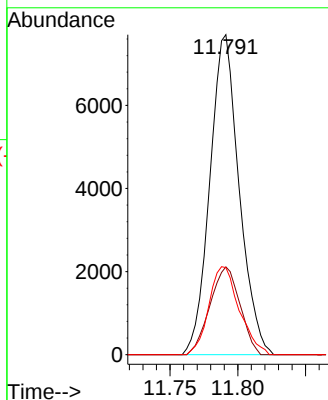
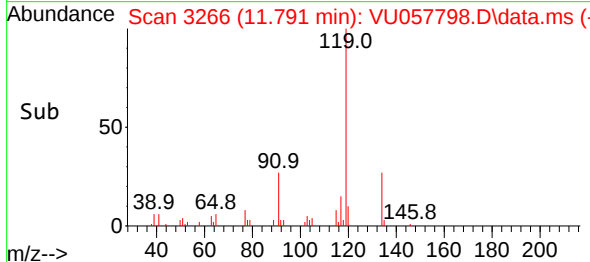
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



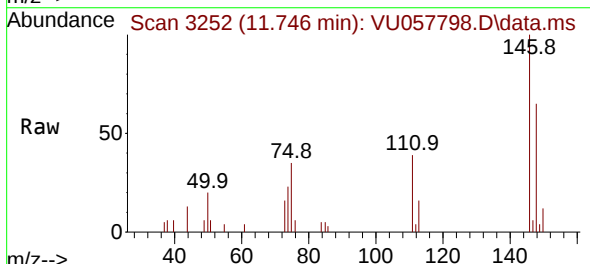
Tgt Ion:119 Resp: 1157
Ion Ratio Lower Upper
119 100
134 27.9 20.2 30.4
91 28.6 19.3 28.9

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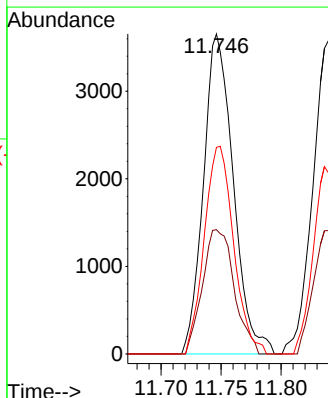
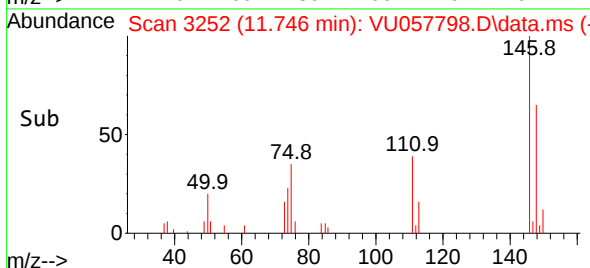
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

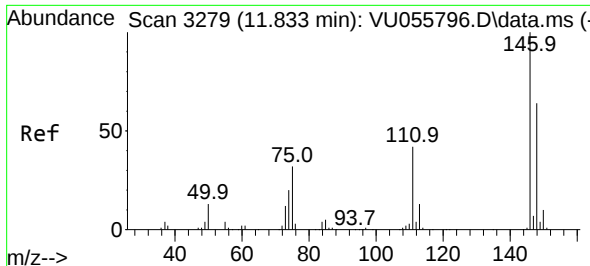


#82
1,3-Dichlorobenzene
Concen: 0.280 ug/l
RT: 11.746 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41



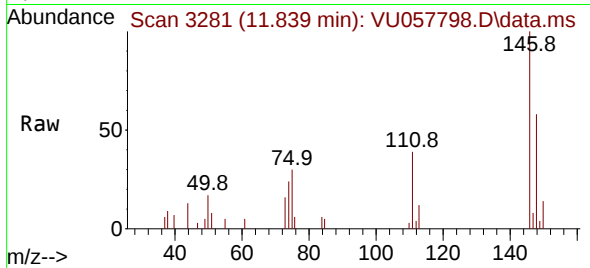
Tgt Ion:146 Resp: 6316
Ion Ratio Lower Upper
146 100
111 41.3 32.6 49.0
148 63.9 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 0.289 ug/l
RT: 11.839 min Scan# 3279
Delta R.T. 0.006 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

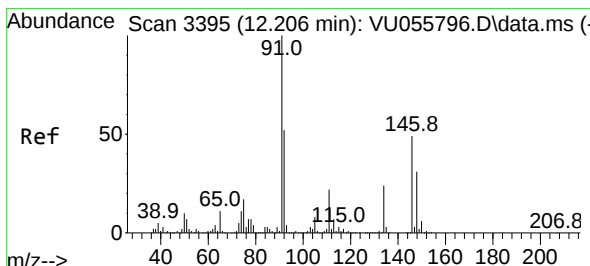
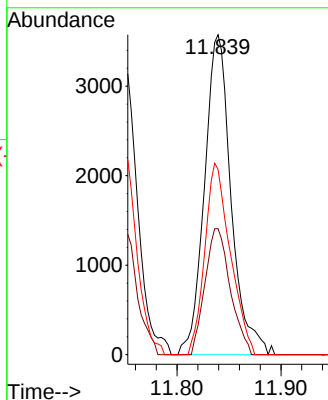
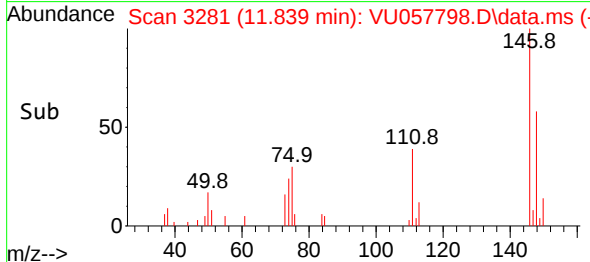
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



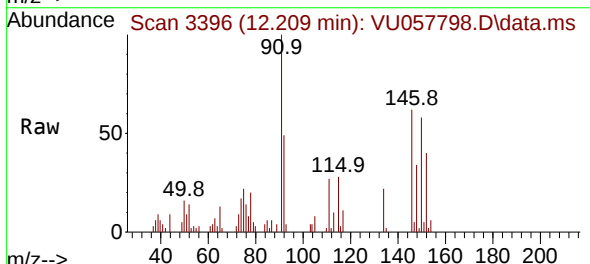
Tgt Ion:146 Resp: 637
Ion Ratio Lower Upper
146 100
111 37.4 31.6 47.4
148 57.1 50.3 75.5

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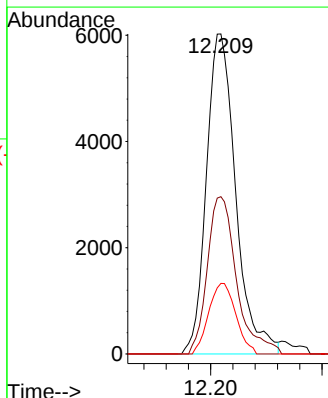
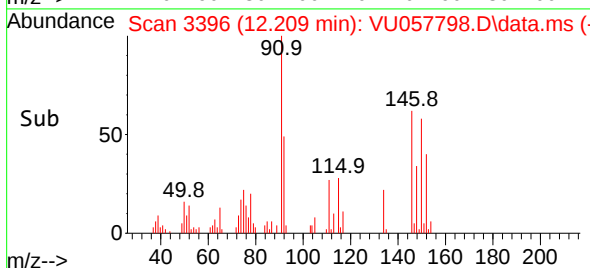
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

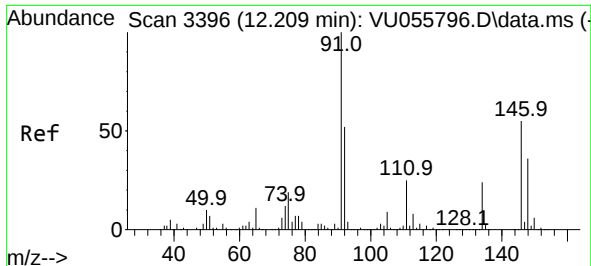


#84
n-Butylbenzene
Concen: 0.261 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.003 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41



Tgt Ion: 91 Resp: 11007
Ion Ratio Lower Upper
91 100
92 49.1 40.8 61.2
134 20.4 18.4 27.6





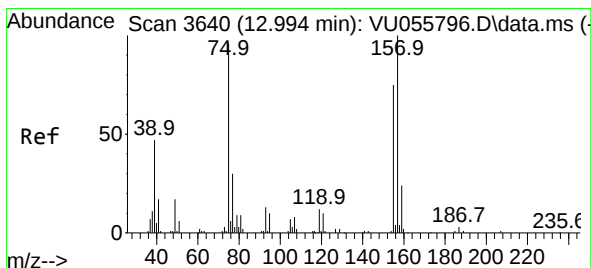
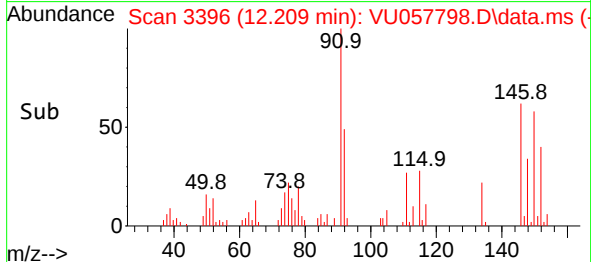
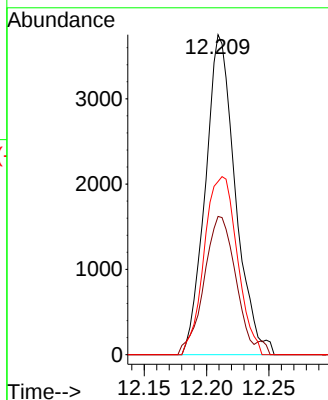
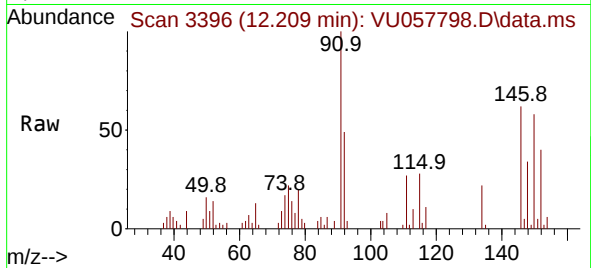
#85
1,2-Dichlorobenzene
Concen: 0.306 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion:146 Resp: 6275
Ion Ratio Lower Upper
146 100
111 45.1 21.6 64.6
148 61.4 32.1 96.5

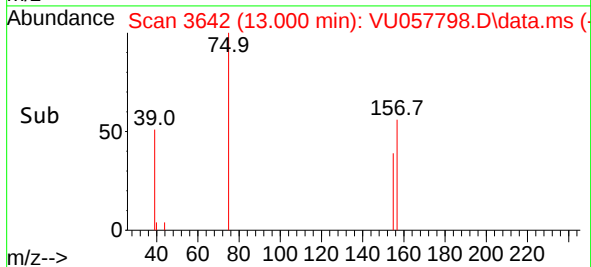
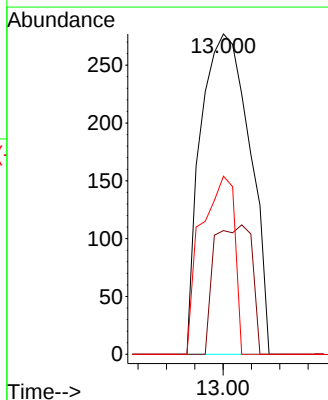
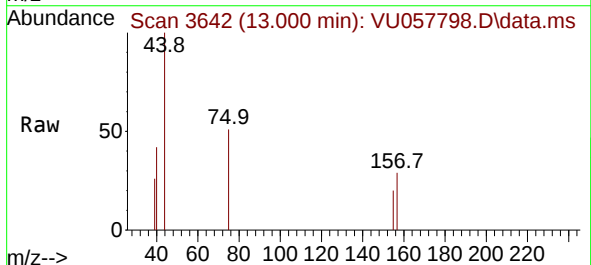
Manual Integrations
APPROVED

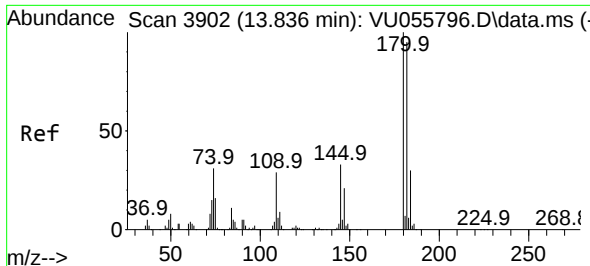
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.263 ug/l
RT: 13.000 min Scan# 3642
Delta R.T. 0.006 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Tgt Ion: 75 Resp: 332
Ion Ratio Lower Upper
75 100
155 30.7 61.8 92.8#
157 38.3 80.2 120.4#





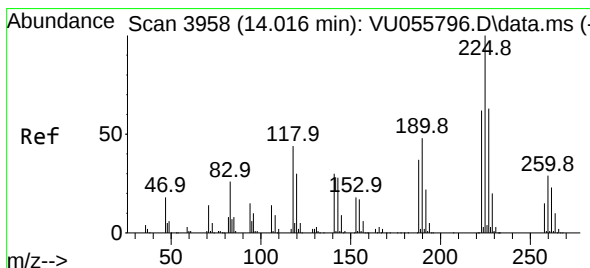
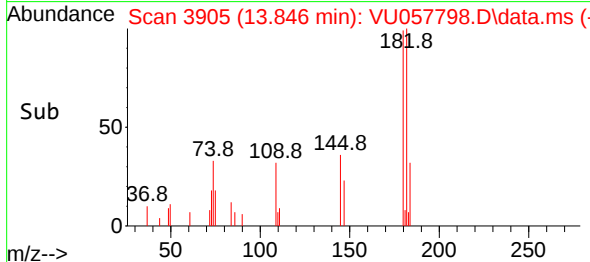
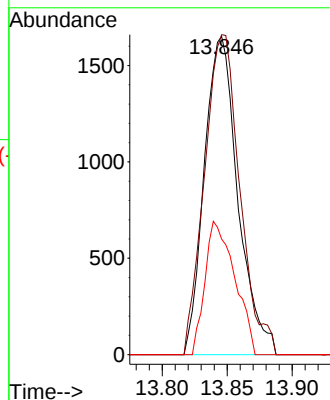
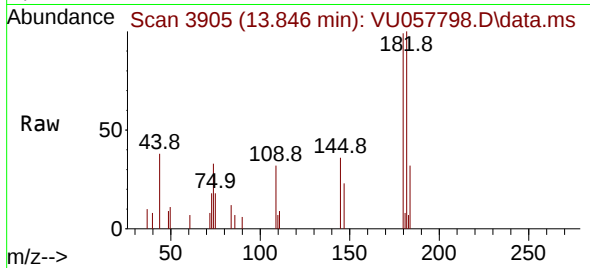
#87
1,2,4-Trichlorobenzene
Concen: 0.243 ug/l
RT: 13.846 min Scan# 3905
Delta R.T. 0.010 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion:180 Resp: 2969
Ion Ratio Lower Upper
180 100
182 105.6 75.8 113.6
145 37.0 23.9 35.9

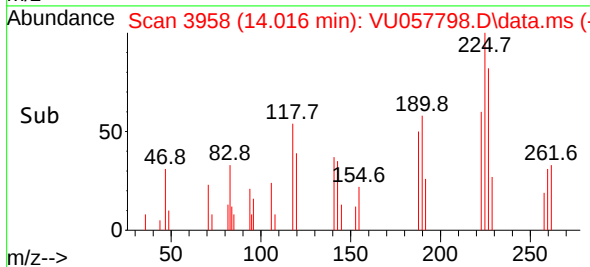
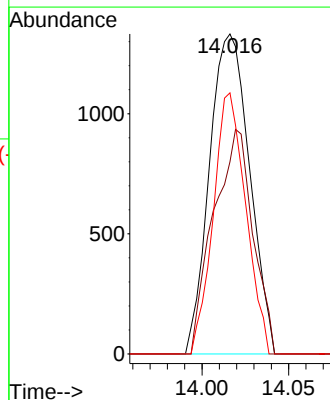
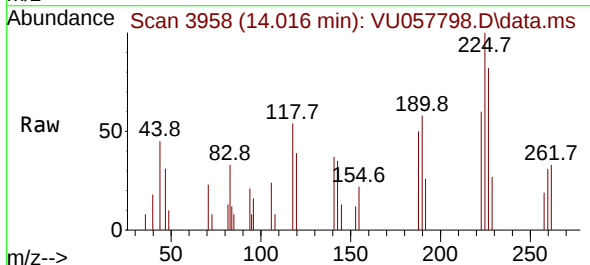
Manual Integrations
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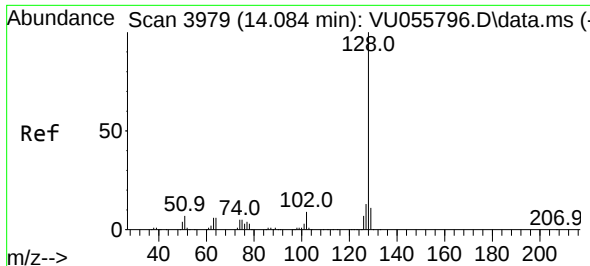
Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024



#88
Hexachlorobutadiene
Concen: 0.273 ug/l
RT: 14.016 min Scan# 3958
Delta R.T. 0.000 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

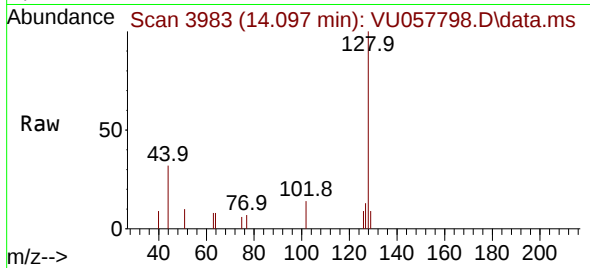
Tgt Ion:225 Resp: 2146
Ion Ratio Lower Upper
225 100
223 68.9 50.2 75.4
227 66.1 51.5 77.3





#89
Naphthalene
Concen: 0.303 ug/l
RT: 14.097 min Scan# 3979
Delta R.T. 0.013 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

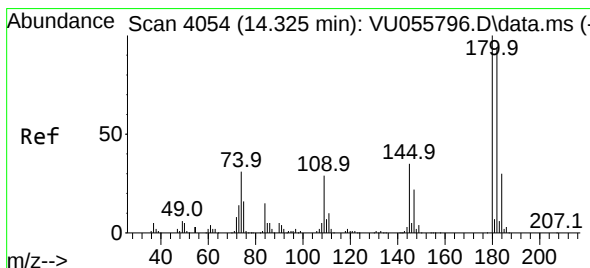
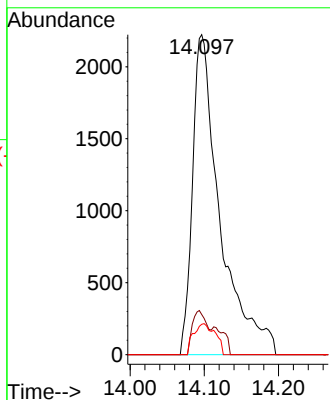
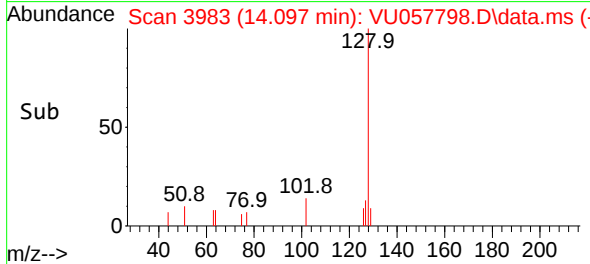
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion:128 Resp: 5719
Ion Ratio Lower Upper
128 100
127 7.7 10.9 16.3
129 7.6 8.6 12.8

Manual Integrations
APPROVED

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



#90
1,2,3-Trichlorobenzene
Concen: 0.291 ug/l
RT: 14.334 min Scan# 4057
Delta R.T. 0.009 min
Lab File: VU057798.D
Acq: 02 Feb 2024 17:41

Tgt Ion:180 Resp: 2963
Ion Ratio Lower Upper
180 100
182 96.0 75.7 113.5
145 27.5 26.1 39.1

