

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072019\
 Data File : VX010994.D
 Acq On : 19 Jul 2019 11:57
 Operator : JC/SP
 Sample : K3591-07 LOD-MDL 2.5PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 5:22:43 PM

Quant Time: Jul 20 04:07:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 03:57:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	257185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383531	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	343906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171794	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	121714	44.49	ug/l	0.00
Spiked Amount			Recovery	=	88.98%	
35) Dibromofluoromethane	5.50	113	105335	43.27	ug/l	0.00
Spiked Amount			Recovery	=	86.54%	
50) Toluene-d8	8.71	98	401098	43.93	ug/l	0.00
Spiked Amount			Recovery	=	87.86%	
62) 4-Bromofluorobenzene	11.13	95	142636	42.50	ug/l	0.00
Spiked Amount			Recovery	=	85.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	3371	1.404	ug/l	97
3) Chloromethane	1.33	50	4459	1.885	ug/l	89
4) Vinyl Chloride	1.41	62	4338	1.798	ug/l	97
5) Bromomethane	1.64	94	3277	2.411	ug/l	96
6) Chloroethane	1.73	64	3291	2.147	ug/l	95
7) Trichlorofluoromethane	1.93	101	8712	2.133	ug/l	92
8) Diethyl Ether	2.19	74	3253	2.312	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5205	2.232	ug/l	96
10) Methyl Iodide	2.51	142	4284	1.400	ug/l	98
11) Tert butyl alcohol	3.04	59	9925	15.576	ug/l	97
12) 1,1-Dichloroethene	2.37	96	5248	2.291	ug/l	96
13) Acrolein	2.29	56	4222	11.468	ug/l	98
14) Allyl chloride	2.73	41	7283	2.189	ug/l	97
15) Acrylonitrile	3.15	53	14774	11.474	ug/l	99
16) Acetone	2.45	43	14381	11.638	ug/l	96
17) Carbon Disulfide	2.57	76	12084	2.056	ug/l	100
18) Methyl Acetate	2.78	43	8355	2.969	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	16732	2.269	ug/l	95
20) Methylene Chloride	2.86	84	6440	2.459	ug/l	# 86
21) trans-1,2-Dichloroethene	3.17	96	5385	2.215	ug/l	98
22) Diisopropyl ether	3.86	45	15788	2.250	ug/l	# 95
23) Vinyl Acetate	3.82	43	55884	9.398	ug/l	98
24) 1,1-Dichloroethane	3.70	63	9261	2.272	ug/l	99
25) 2-Butanone	4.68	43	20206	11.391	ug/l	94
26) 2,2-Dichloropropane	4.59	77	6674	1.994	ug/l	79
27) cis-1,2-Dichloroethene	4.60	96	6727	2.391	ug/l	94
28) Bromochloromethane	5.02	49	4614	2.402	ug/l	92
29) Tetrahydrofuran	5.13	42	11918	10.607	ug/l	97
30) Chloroform	5.20	83	10247	2.326	ug/l	99
31) Cyclohexane	5.57	56	8490	2.285	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	8224	2.158	ug/l	99
36) 1,1-Dichloropropene	5.81	75	7327	2.326	ug/l	98
37) Ethyl Acetate	4.84	43	8051	2.496	ug/l	# 95
38) Carbon Tetrachloride	5.79	117	6977	2.125	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	8773	2.147	ug/l #	88
40) Benzene	6.15	78	21823	2.261	ug/l	97
41) Methacrylonitrile	5.05	41	4396	2.401	ug/l	92
42) 1,2-Dichloroethane	6.19	62	7884	2.350	ug/l	97
43) Isopropyl Acetate	6.45	43	11389	2.147	ug/l	98
44) Trichloroethene	7.22	130	6515	2.281	ug/l	97
45) 1,2-Dichloropropane	7.51	63	5975	2.433	ug/l	96
46) Dibromomethane	7.66	93	4103	2.338	ug/l	98
47) Bromodichloromethane	7.90	83	6327	2.025	ug/l	86
48) Methyl methacrylate	7.77	41	5751	2.226	ug/l	94
49) 1,4-Dioxane	7.75	88	3370	46.624	ug/l #	88
51) 4-Methyl-2-Pentanone	8.64	43	37400	10.877	ug/l	99
52) Toluene	8.78	92	14358	2.265	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	5944	1.769	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	7100	1.899	ug/l #	94
55) 1,1,2-Trichloroethane	9.21	97	5505	2.109	ug/l	95
56) Ethyl methacrylate	9.18	69	7979	2.090	ug/l	92
57) 1,3-Dichloropropane	9.37	76	9280	2.241	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	20321	11.149	ug/l	98
59) 2-Hexanone	9.49	43	28554	10.707	ug/l	100
60) Dibromochloromethane	9.58	129	5002	1.892	ug/l	100
61) 1,2-Dibromoethane	9.67	107	6130	2.213	ug/l	96
64) Tetrachloroethene	9.33	164	6531	2.414	ug/l	92
65) Chlorobenzene	10.13	112	16079	2.276	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	5059	2.038	ug/l	96
67) Ethyl Benzene	10.25	91	26985	2.244	ug/l	100
68) m/p-Xylenes	10.36	106	20289	4.399	ug/l	99
69) o-Xylene	10.70	106	10257	2.279	ug/l	95
70) Styrene	10.71	104	15834	2.110	ug/l	98
71) Bromoform	10.86	173	3261	1.647	ug/l #	97
73) Isopropylbenzene	11.02	105	26598	2.291	ug/l	99
74) N-amyl acetate	10.90	43	9275	2.091	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	8709	2.293	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	7162m	2.310	ug/l	
77) Bromobenzene	11.26	156	7254	2.266	ug/l	97
78) n-propylbenzene	11.36	91	28378	2.213	ug/l	100
79) 2-Chlorotoluene	11.42	91	17780	2.308	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	21321	2.198	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1707m	1.515	ug/l	
82) 4-Chlorotoluene	11.51	91	20411	2.276	ug/l	99
83) tert-Butylbenzene	11.77	119	20465	2.148	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	21963	2.247	ug/l	99
85) sec-Butylbenzene	11.94	105	24630	2.206	ug/l	99
86) p-Isopropyltoluene	12.06	119	21712	2.104	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	12584	2.265	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	12993	2.280	ug/l	81
89) n-Butylbenzene	12.38	91	18172	2.058	ug/l	99
90) Hexachloroethane	12.60	117	3008	1.848	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	13063	2.372	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1610	2.028	ug/l	83

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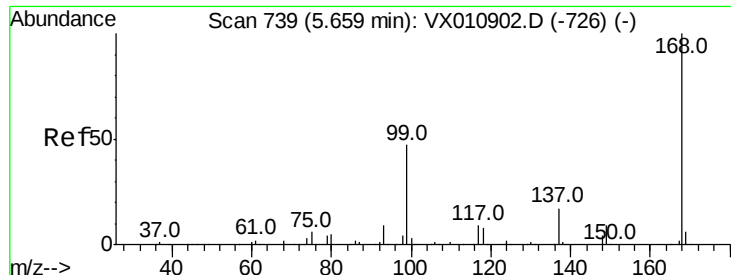
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	7947	2.129	ug/l	97
94) Hexachlorobutadiene	13.78	225	3850	2.082	ug/l	98
95) Naphthalene	13.83	128	22660	2.056	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	8071	2.173	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:168 Resp: 257185

Ion Ratio Lower Upper

168 100

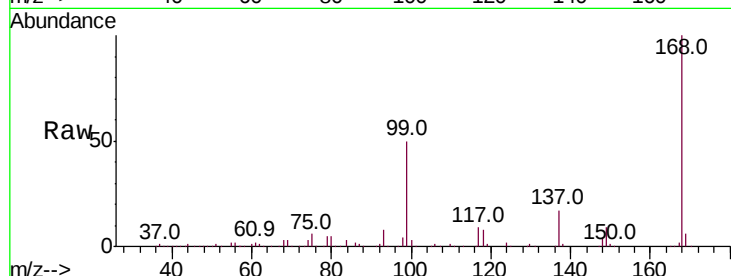
99 49.5 37.6 56.4

Manual Integrations

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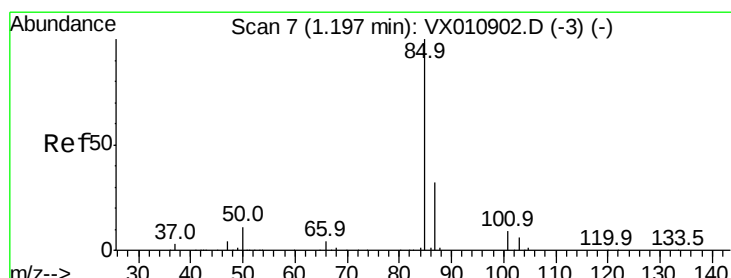
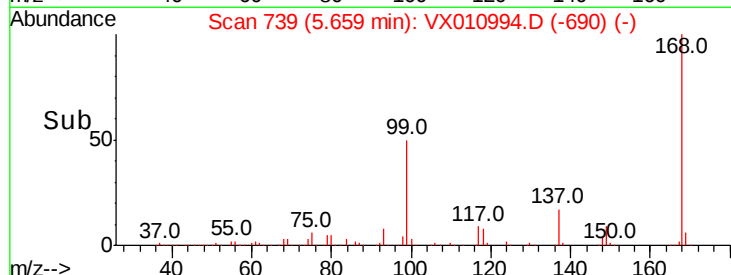


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 1.404 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010994.D

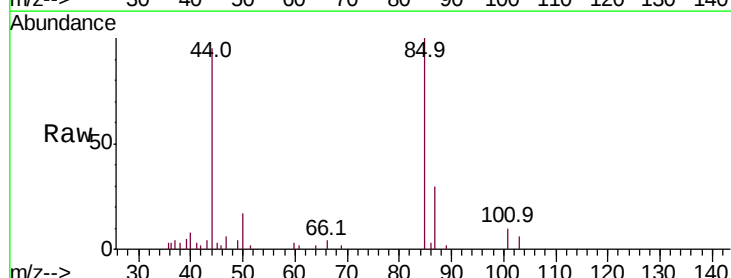
Acq: 19 Jul 2019 11:57

Tgt Ion: 85 Resp: 3371

Ion Ratio Lower Upper

85 100

87 30.3 15.9 47.7

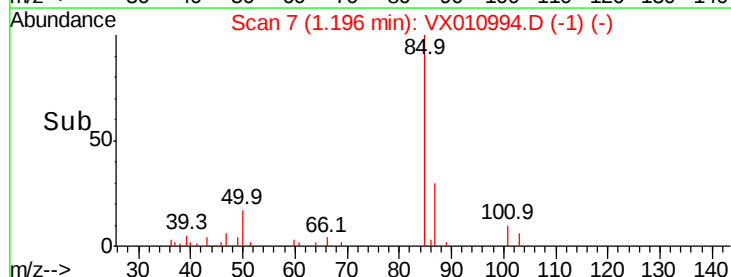


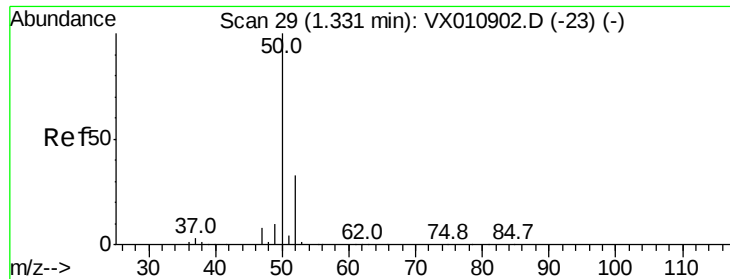
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 1.885 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 50 Resp: 4459

Ion Ratio Lower Upper

50 100

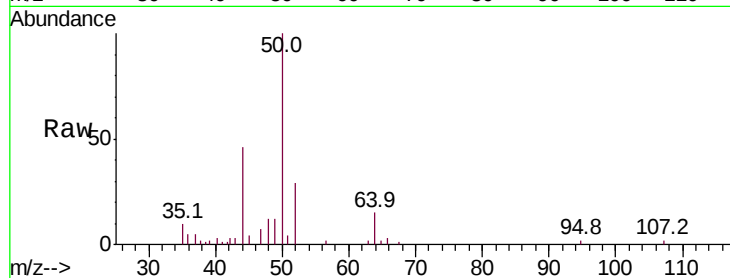
52 26.9 26.4 39.6

Manual Integrations

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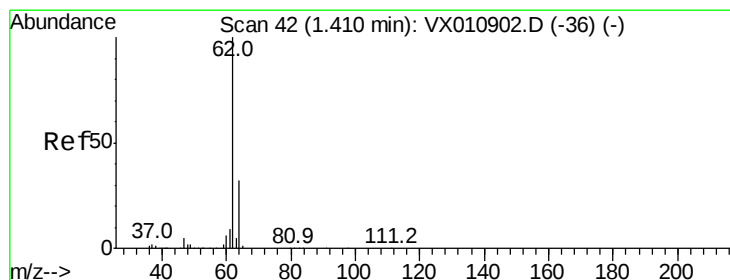
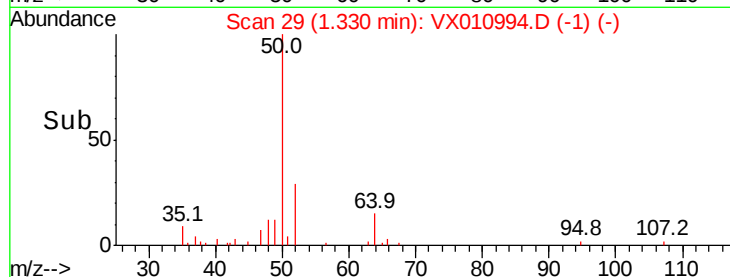
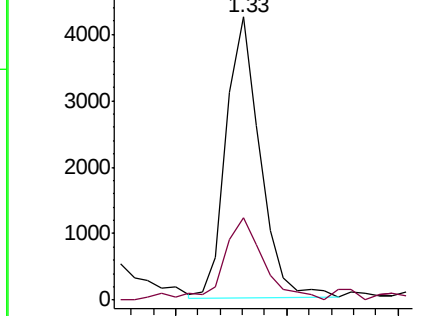
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.798 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010994.D

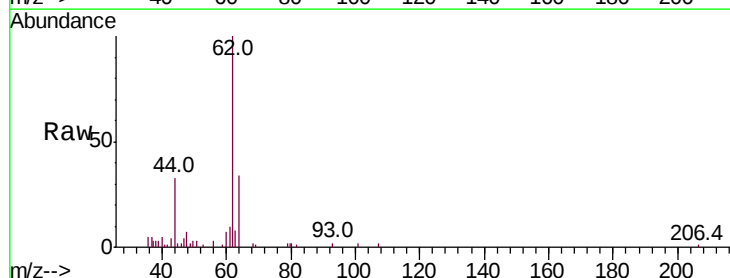
Acq: 19 Jul 2019 11:57

Tgt Ion: 62 Resp: 4338

Ion Ratio Lower Upper

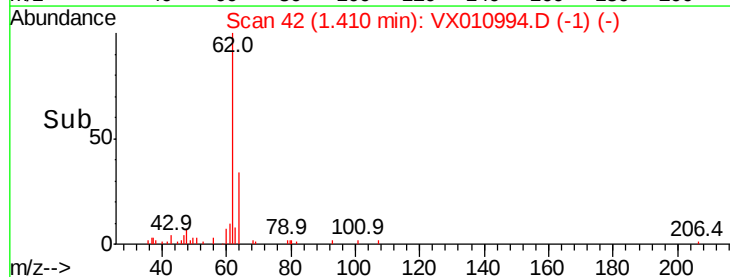
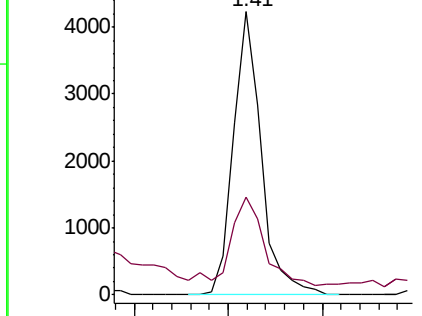
62 100

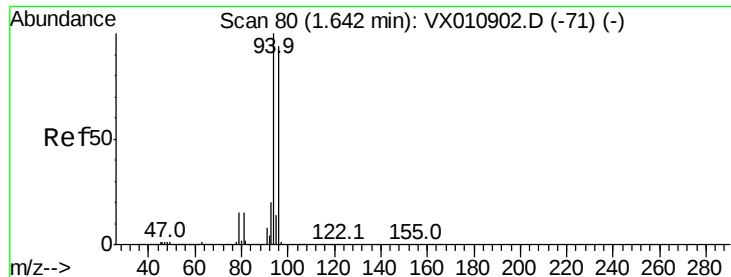
64 30.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 2.411 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 94 Resp: 3277

Ion Ratio Lower Upper

94 100

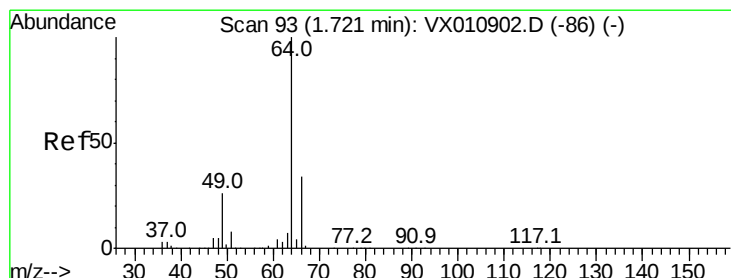
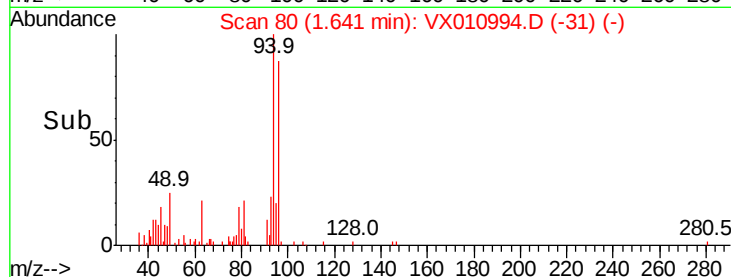
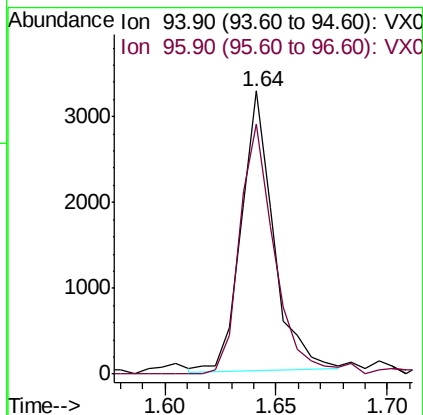
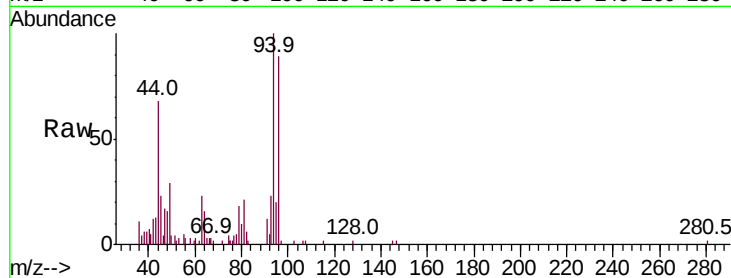
96 90.4 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 2.147 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010994.D

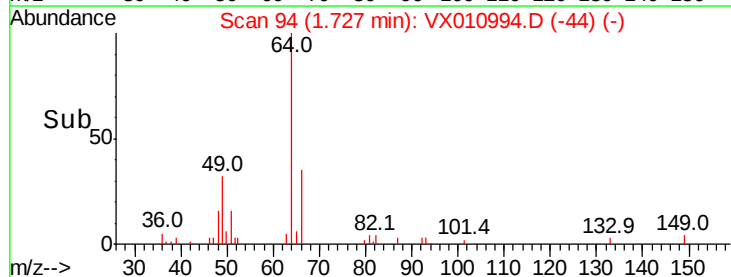
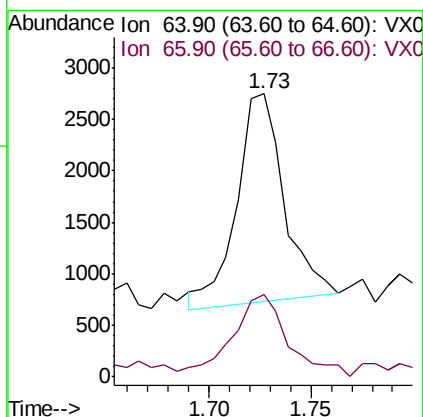
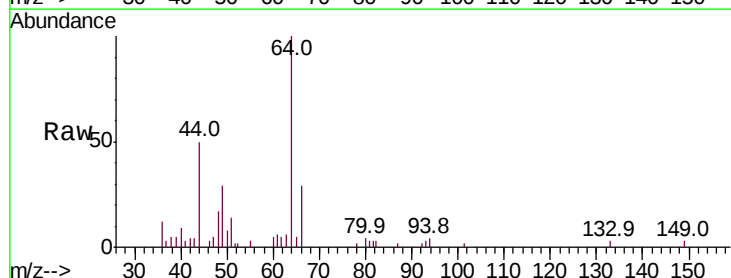
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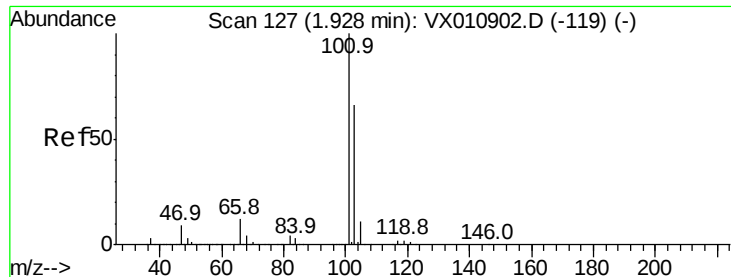
Tgt Ion: 64 Resp: 3291

Ion Ratio Lower Upper

64 100

66 36.6 27.0 40.6





#7

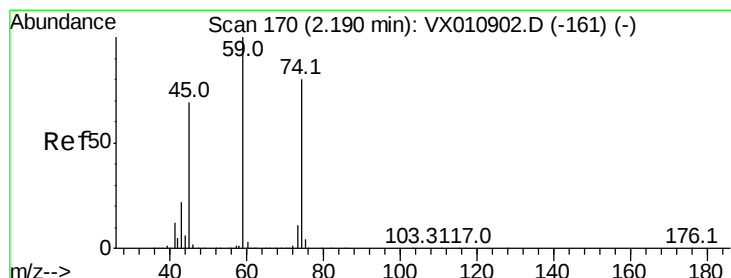
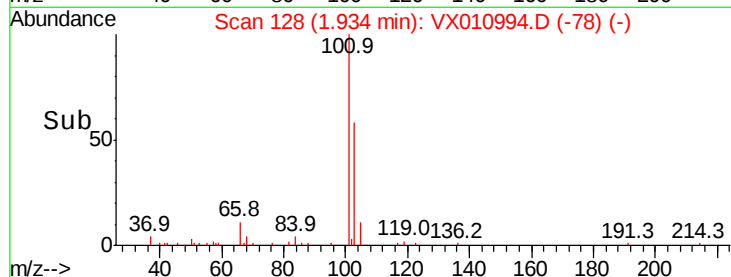
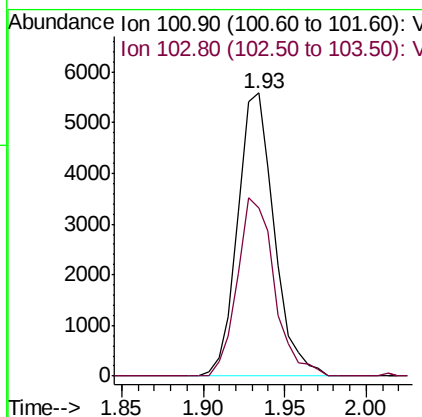
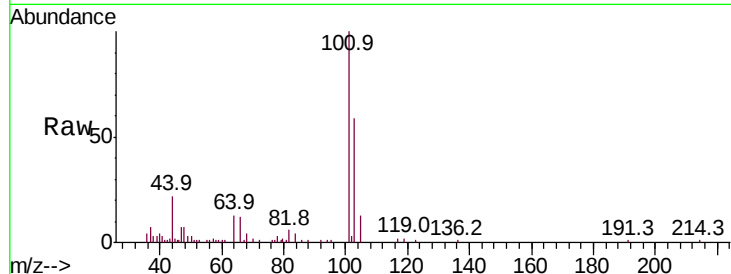
Trichlorofluoromethane
Concen: 2.133 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
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Tot Ion:101 Resp: 8712
Ion Ratio Lower Upper
101 100
103 59.3 52.6 78.8

Manual Integrations
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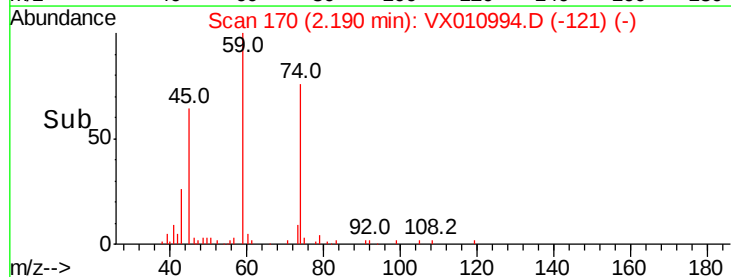
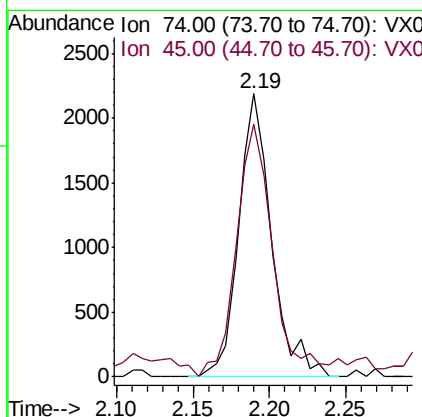
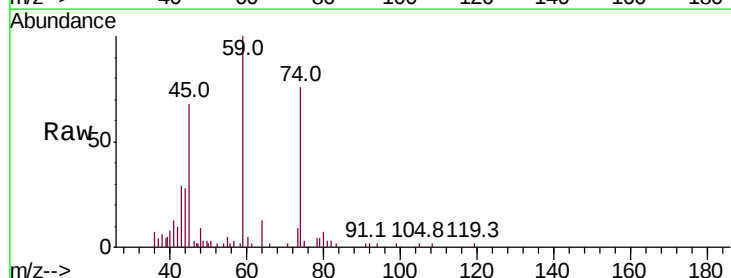
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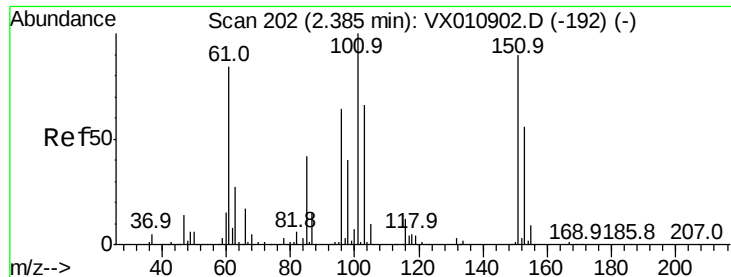


#8

Diethyl Ether
Concen: 2.312 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion: 74 Resp: 3253
Ion Ratio Lower Upper
74 100
45 99.2 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.232 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

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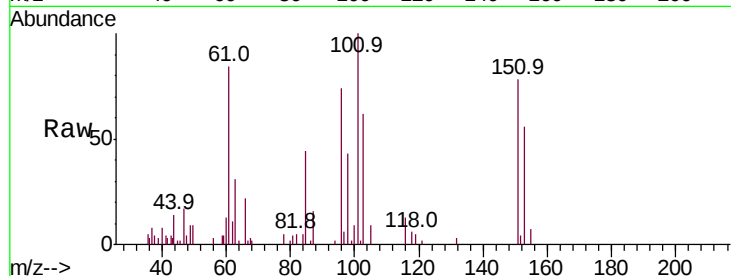
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

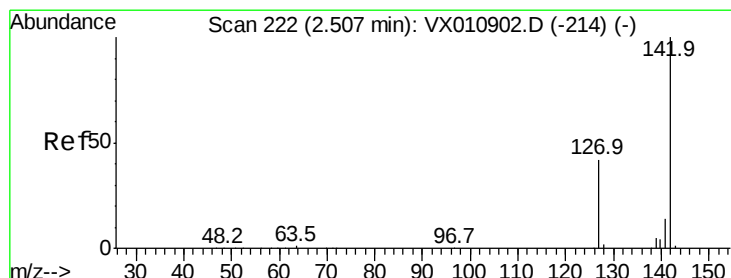
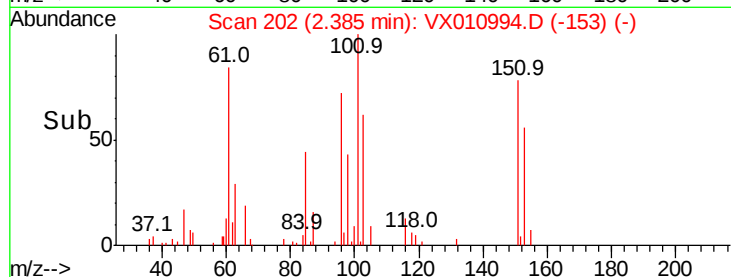
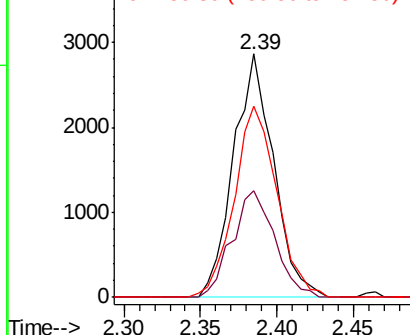
Tot Ion:	101	Resp:	5205
Ion Ratio	Lower	Upper	
101	100		
85	46.3	34.6	52.0
151	83.6	69.6	104.4

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.400 ug/l

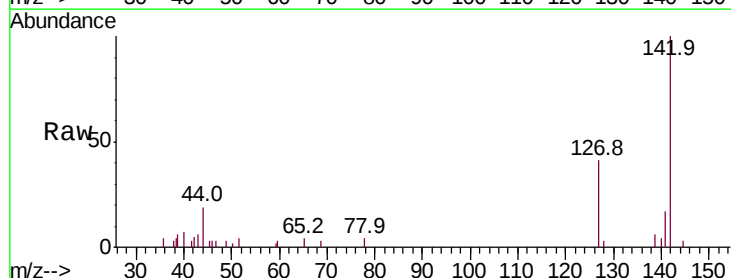
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

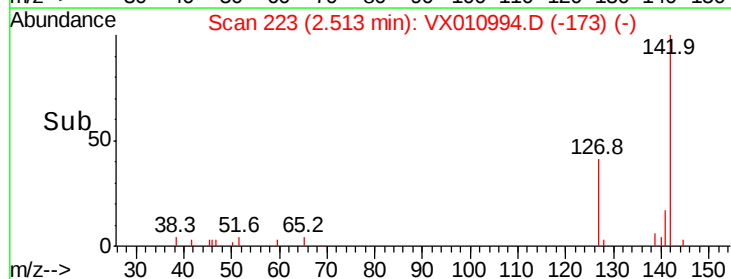
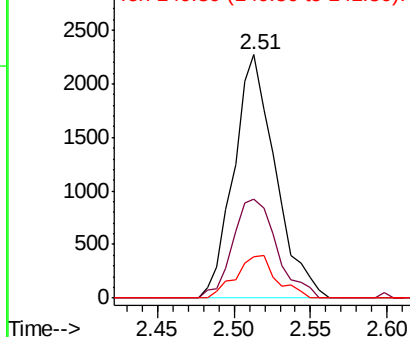
Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Tgt Ion:	142	Resp:	4284
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.2	51.4
141	17.0	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





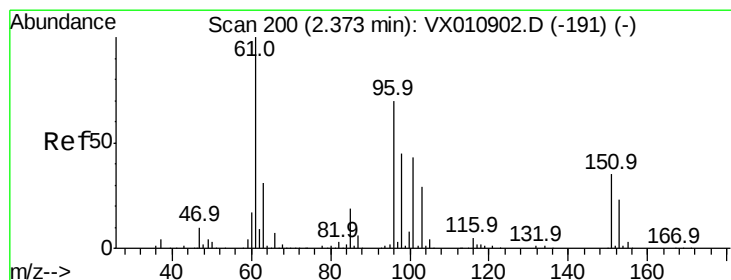
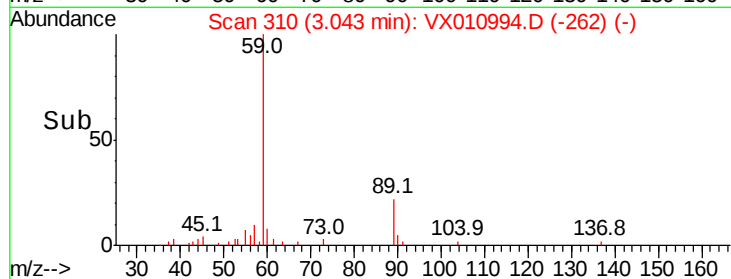
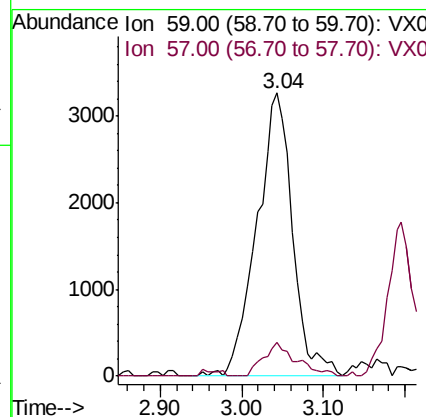
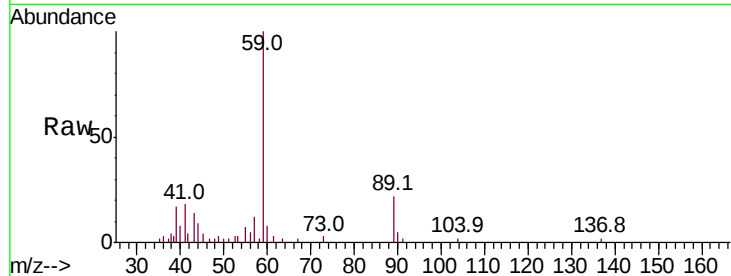
#11
Tert butyl alcohol
Concen: 15.576 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 59 Resp: 9925
Ion Ratio Lower Upper
59 100
57 10.9 7.9 11.9

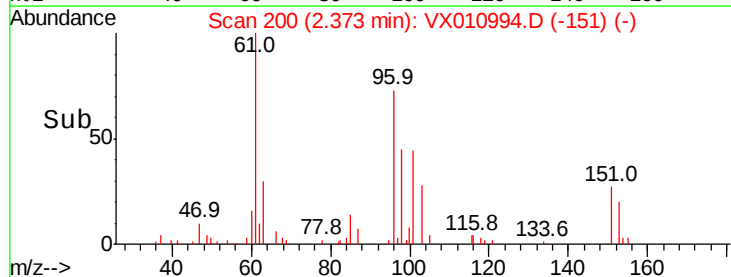
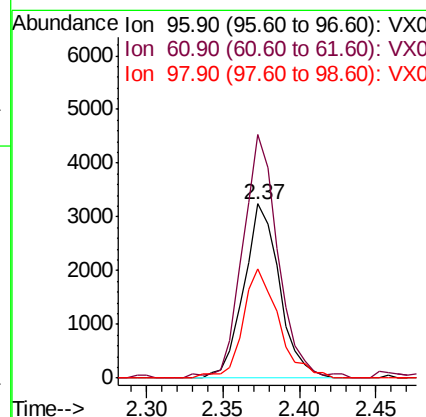
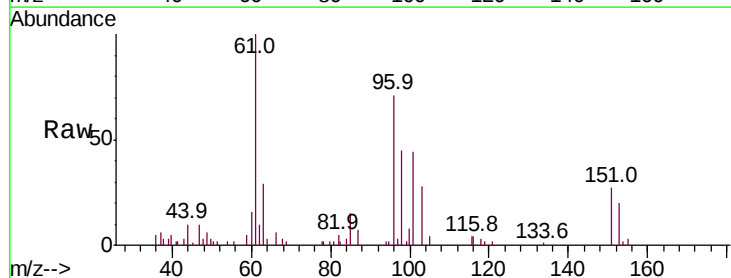
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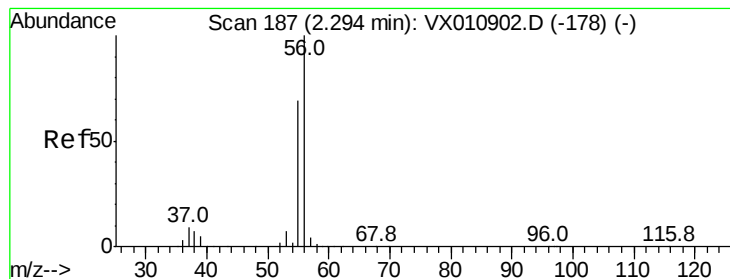
MMDadoda
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#12
1,1-Dichloroethene
Concen: 2.291 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion: 96 Resp: 5248
Ion Ratio Lower Upper
96 100
61 137.5 115.0 172.4
98 62.5 52.2 78.2





#13

Acrolein

Concen: 11.468 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 56 Resp: 4222

Ion Ratio Lower Upper

56 100

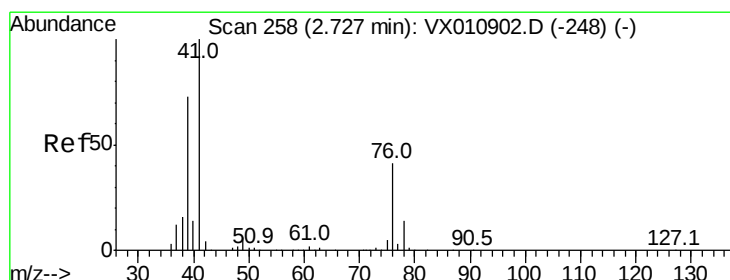
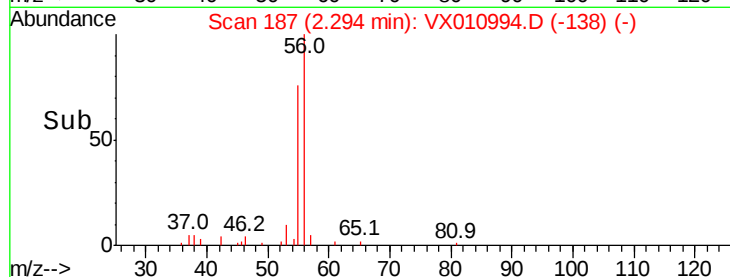
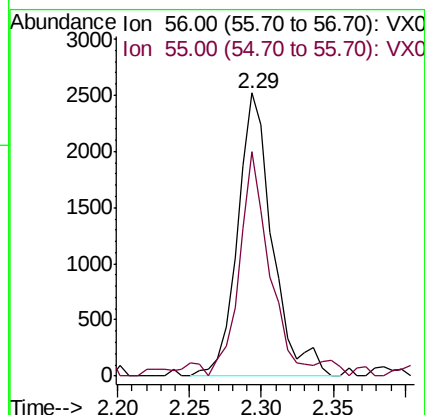
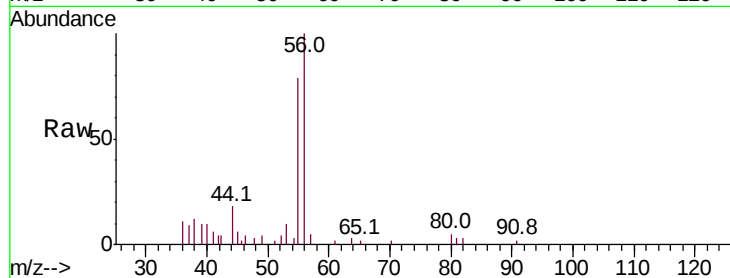
55 68.7 55.9 83.9

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#14

Allyl chloride

Concen: 2.189 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

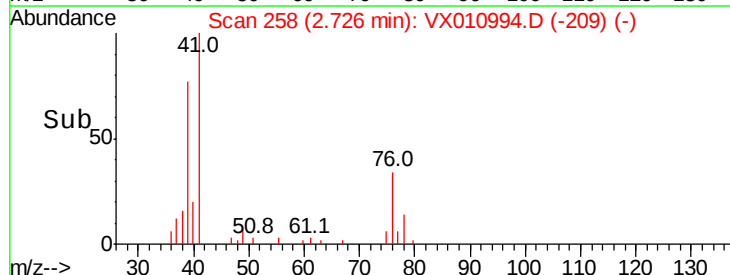
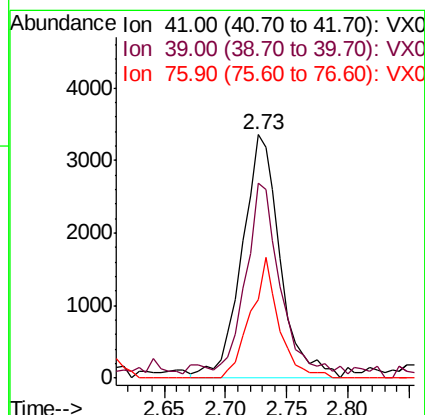
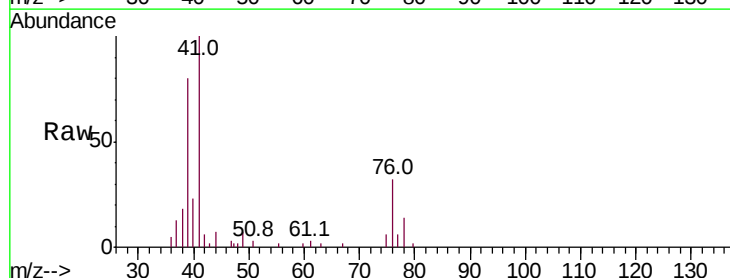
Tgt Ion: 41 Resp: 7283

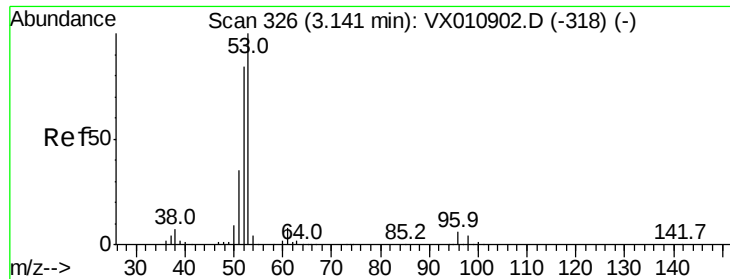
Ion Ratio Lower Upper

41 100

39 70.3 53.6 80.4

76 36.9 29.7 44.5





#15

Acrylonitrile

Concen: 11.474 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

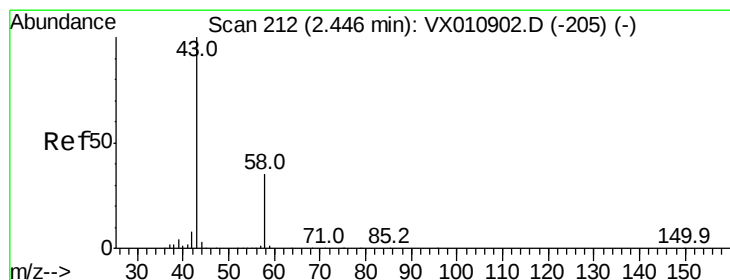
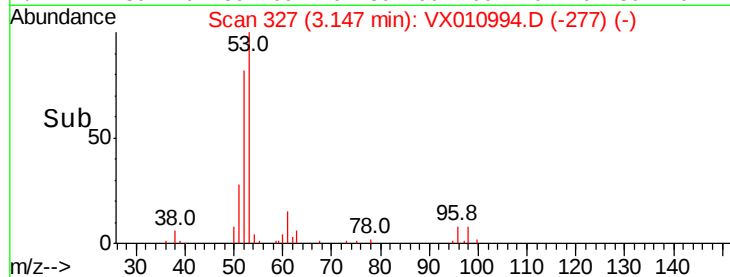
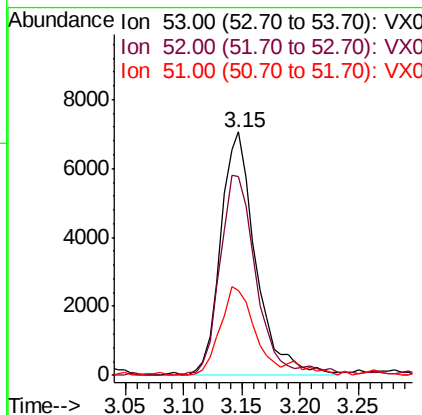
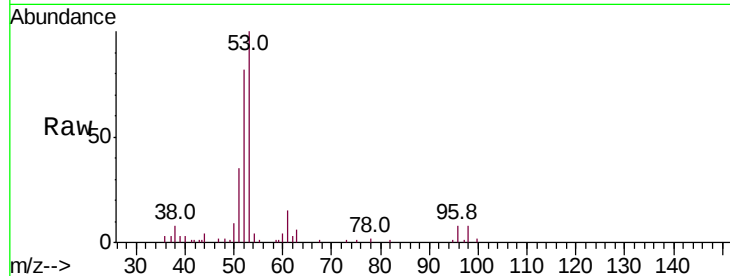
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	53	Resp:	14774
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.5	99.7
51	35.7	28.2	42.4

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#16

Acetone

Concen: 11.638 ug/l

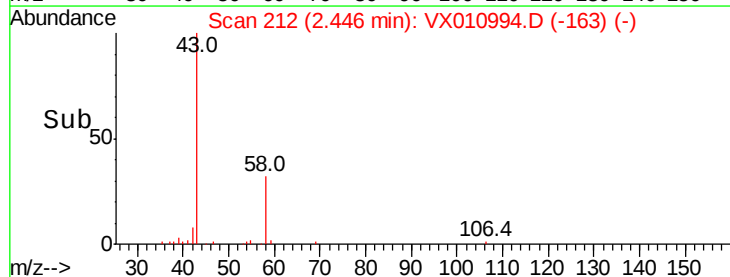
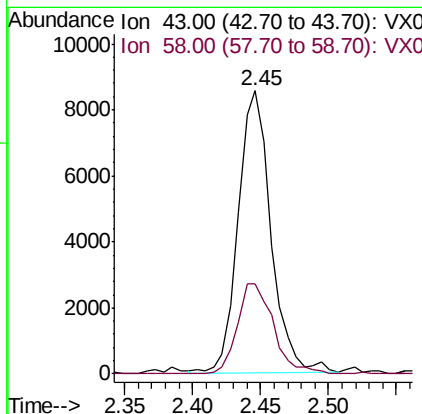
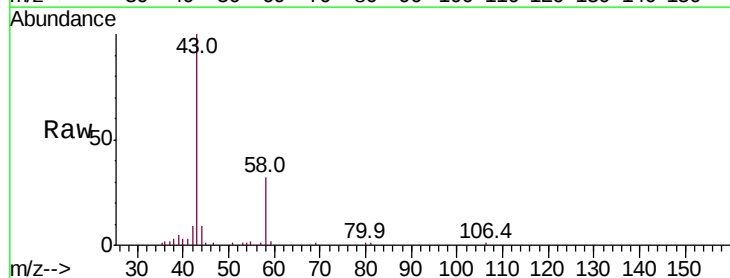
RT: 2.45 min Scan# 212

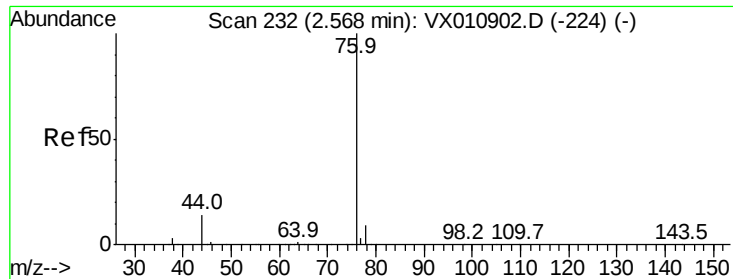
Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Tgt Ion:	43	Resp:	14381
Ion	Ratio	Lower	Upper
43	100		
58	32.0	27.7	41.5





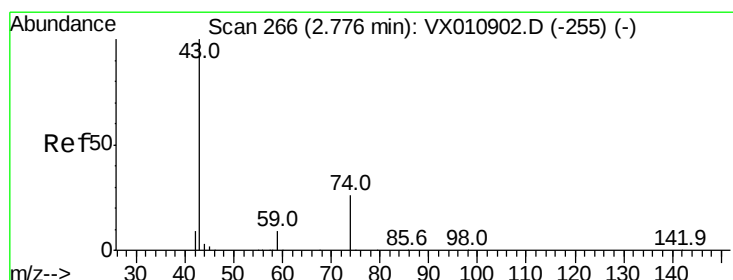
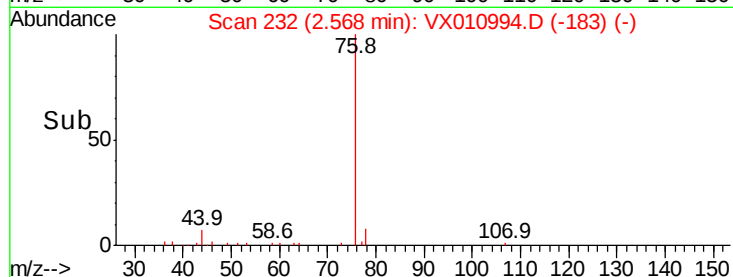
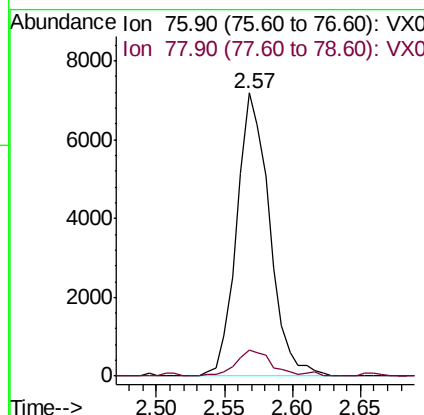
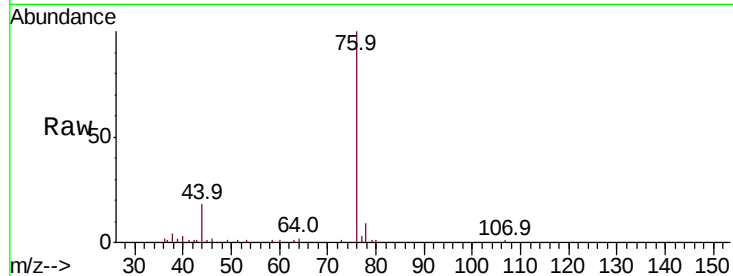
#17
Carbon Disulfide
Concen: 2.056 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

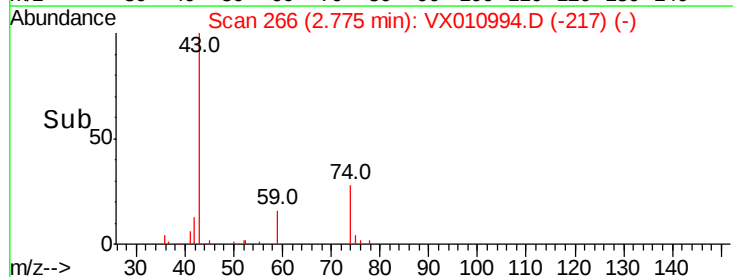
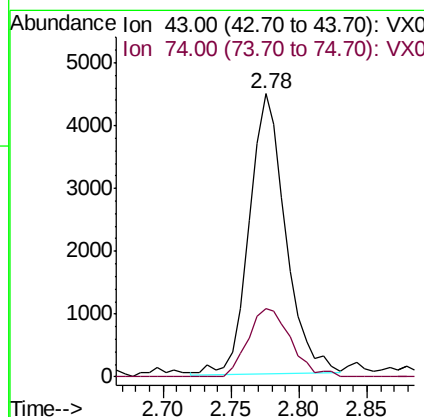
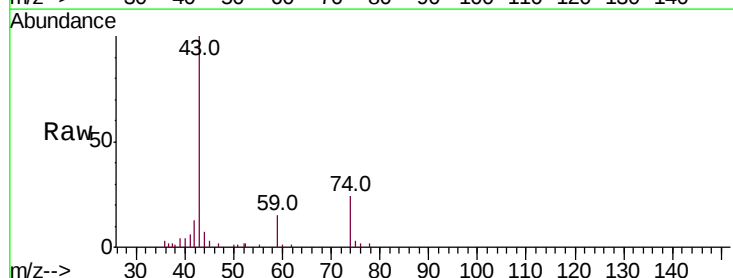
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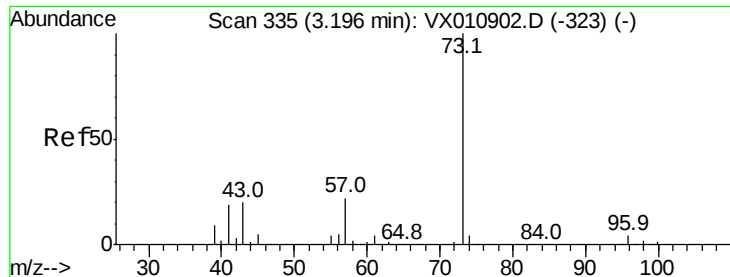
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#18
Methyl Acetate
Concen: 2.969 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.7	21.5	32.3





#19

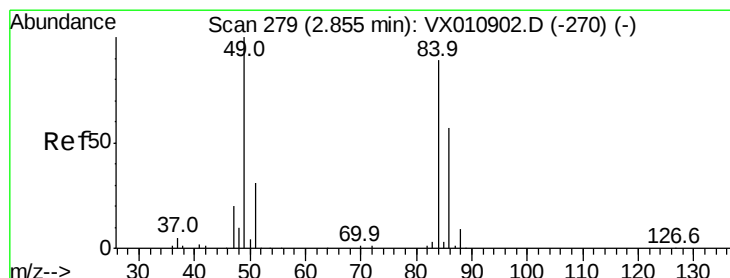
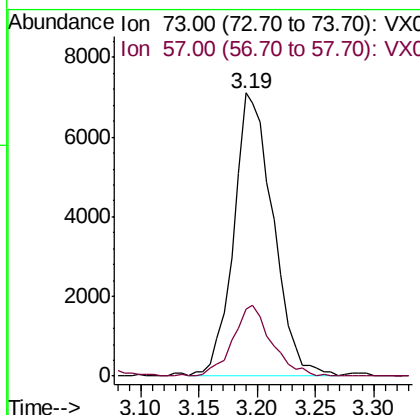
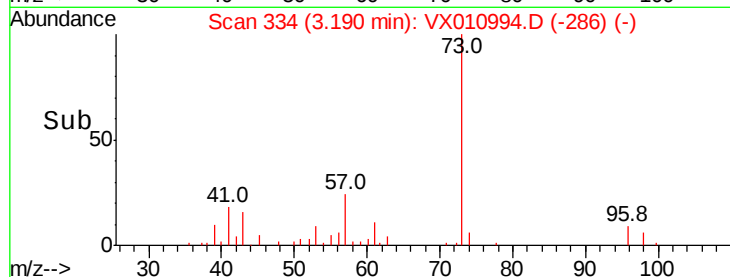
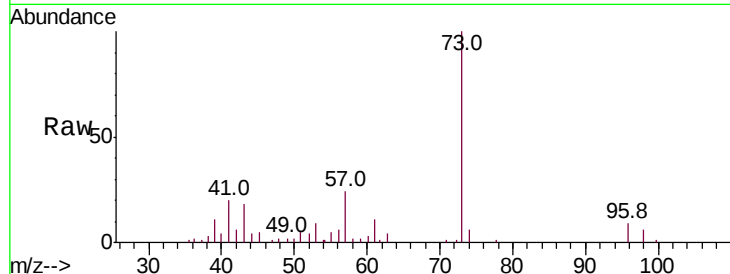
Methyl tert-butyl Ether
 Concen: 2.269 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX010994.D
 Acq: 19 Jul 2019 11:57

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion: 73 Resp: 16732
 Ion Ratio Lower Upper
 73 100
 57 23.9 17.3 25.9

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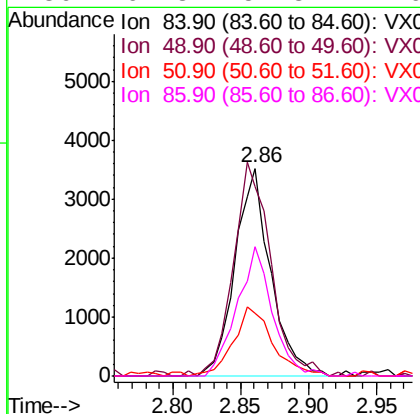
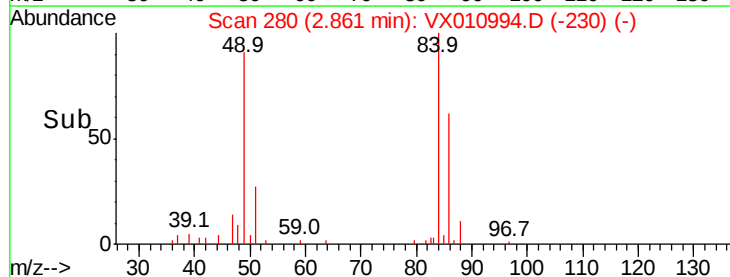
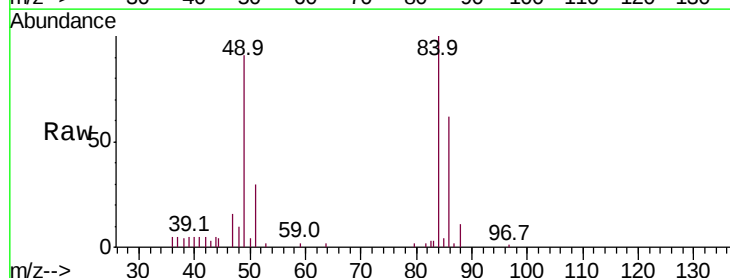
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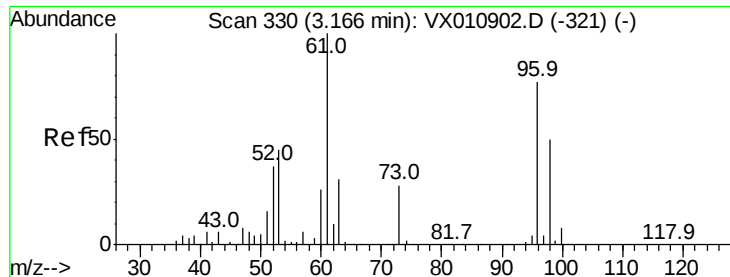


#20

Methylene Chloride
 Concen: 2.459 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX010994.D
 Acq: 19 Jul 2019 11:57

Tgt Ion: 84 Resp: 6440
 Ion Ratio Lower Upper
 84 100
 49 89.2 89.9 134.9#
 51 30.0 27.8 41.6
 86 62.3 51.8 77.6





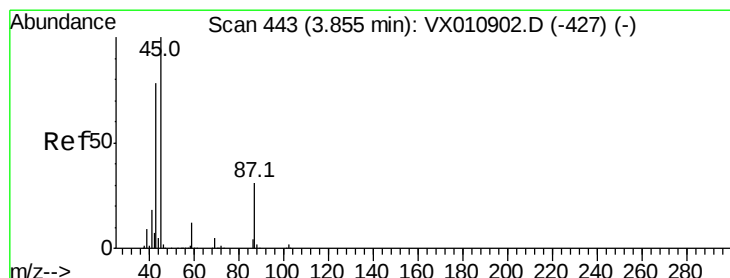
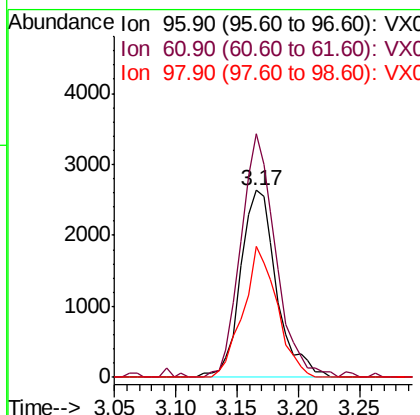
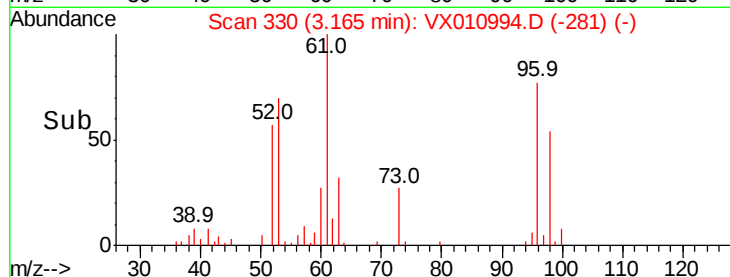
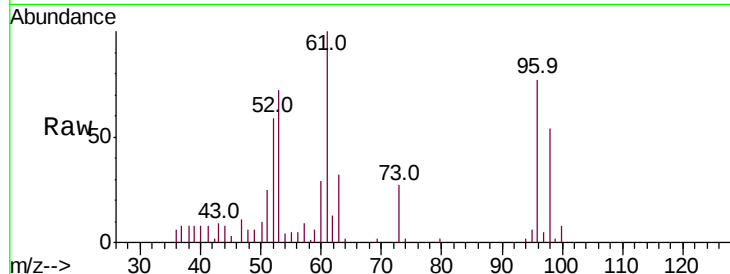
#21
trans-1,2-Dichloroethene
Concen: 2.215 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.1	104.2	156.2
98	70.3	52.2	78.4

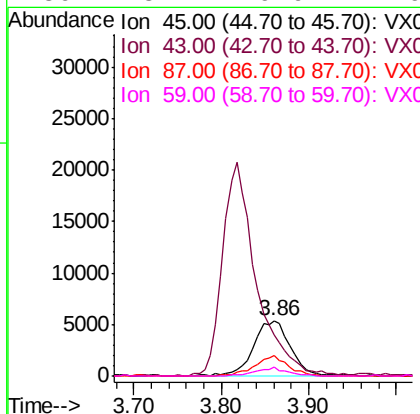
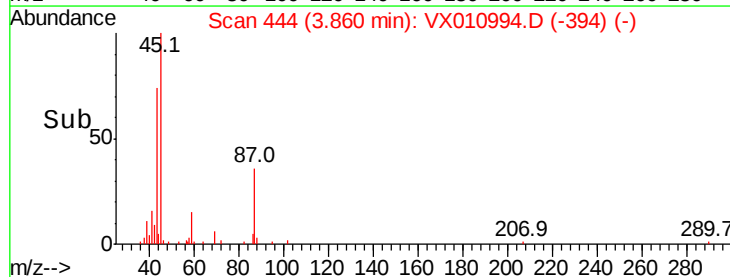
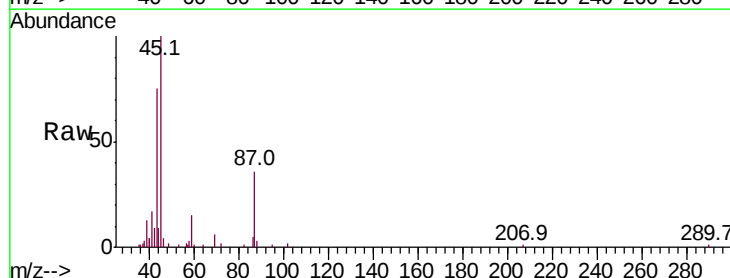
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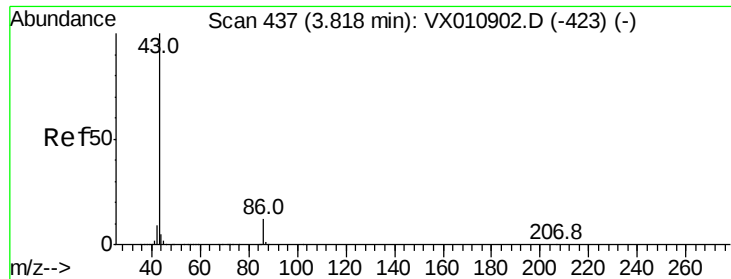
MMDadoda
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#22
Diisopropyl ether
Concen: 2.250 ug/l
RT: 3.86 min Scan# 444
Delta R.T. 0.01 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.8	62.3	93.5
87	36.2	25.0	37.4
59	15.4	9.9	14.9#





#23

Vinyl Acetate

Concen: 9.398 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 55884

Ion Ratio Lower Upper

43 100

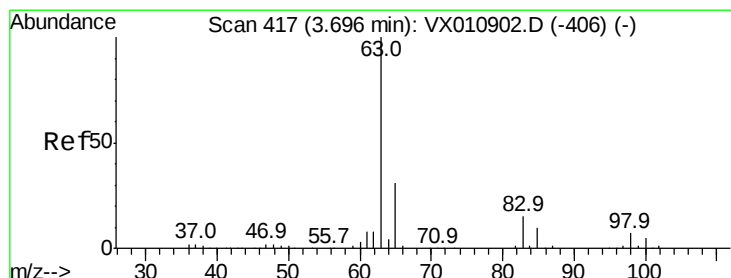
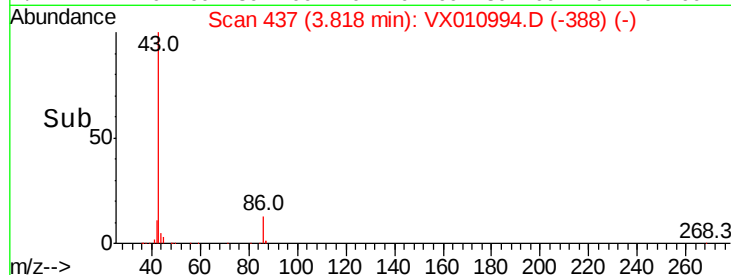
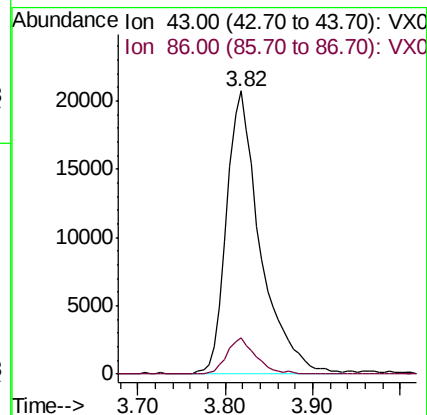
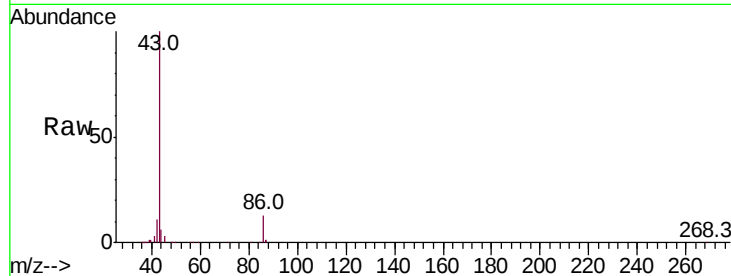
86 12.6 9.4 14.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 2.272 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

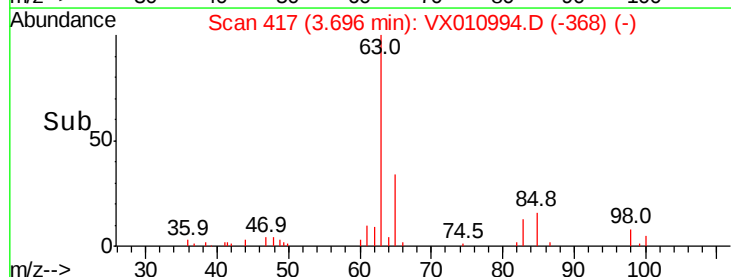
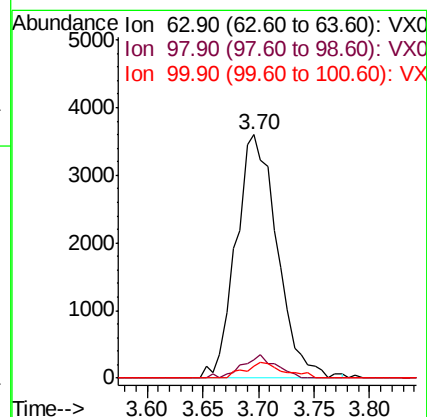
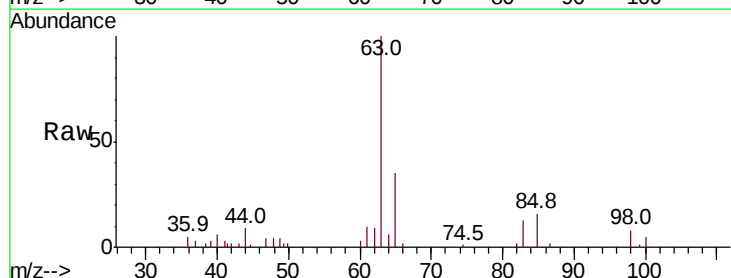
Tgt Ion: 63 Resp: 9261

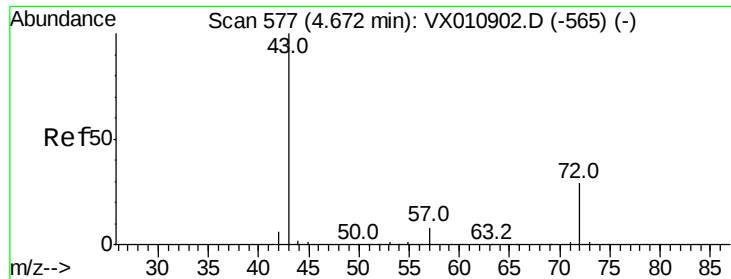
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 11.391 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 20206

Ion Ratio Lower Upper

43 100

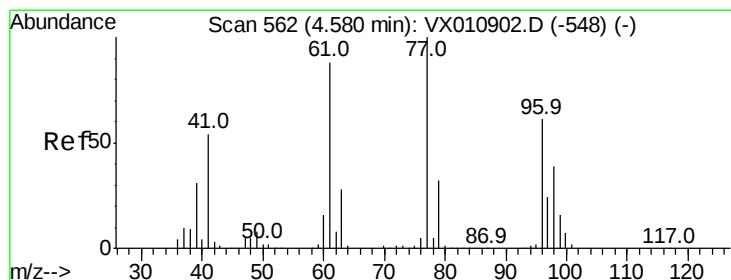
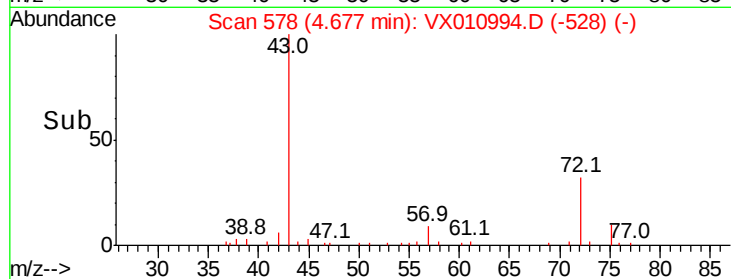
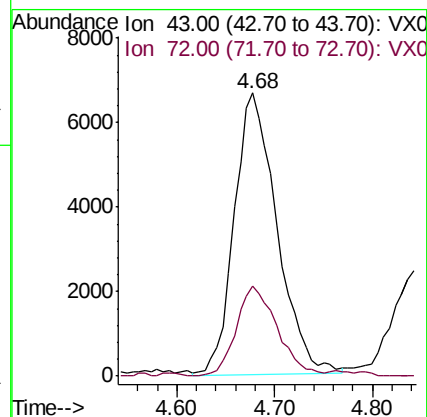
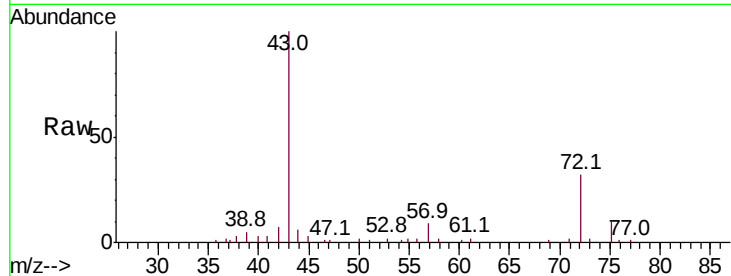
72 32.2 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 1.994 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010994.D

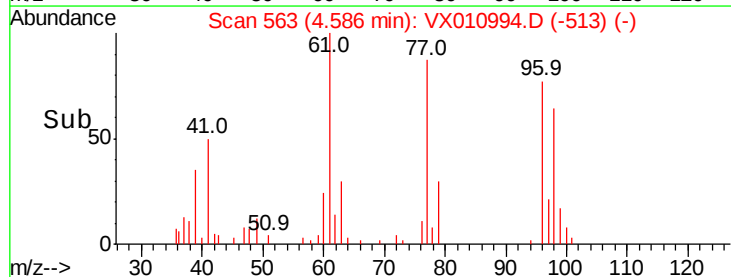
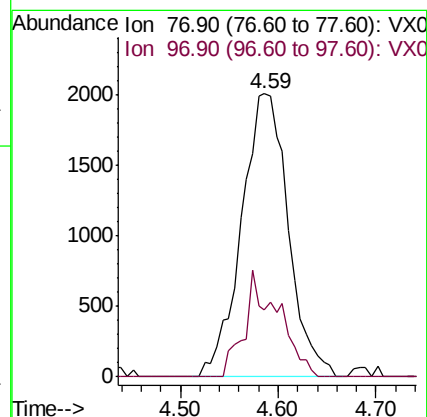
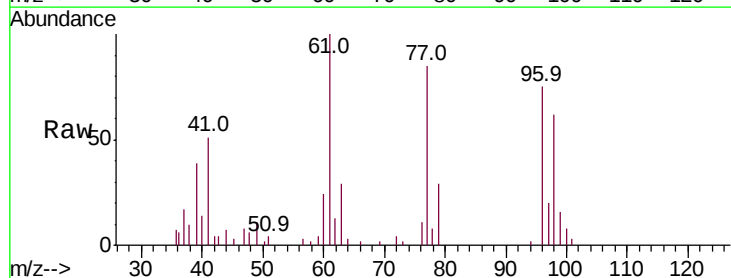
Acq: 19 Jul 2019 11:57

Tgt Ion: 77 Resp: 6674

Ion Ratio Lower Upper

77 100

97 14.6 12.6 37.6





#27

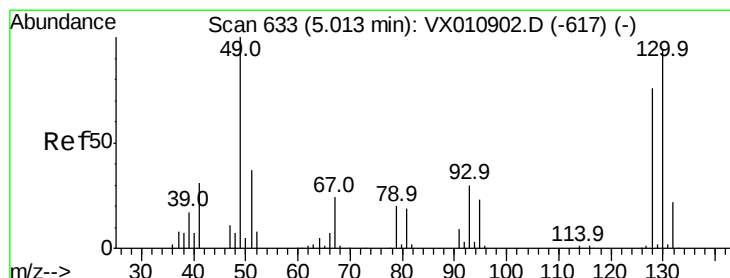
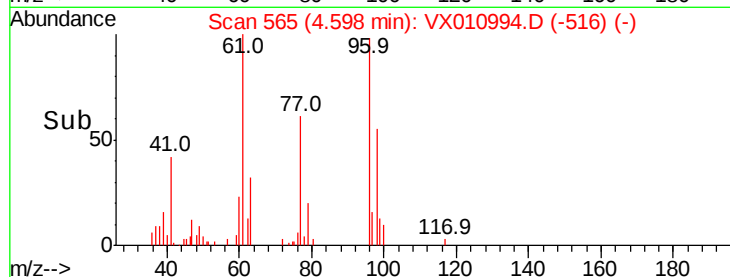
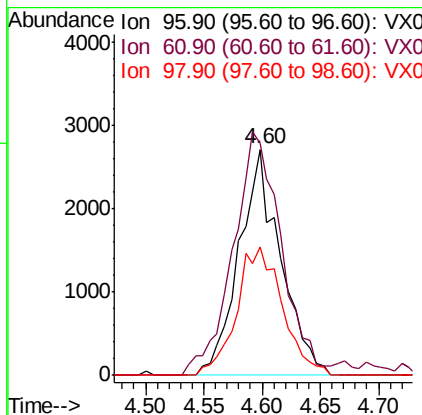
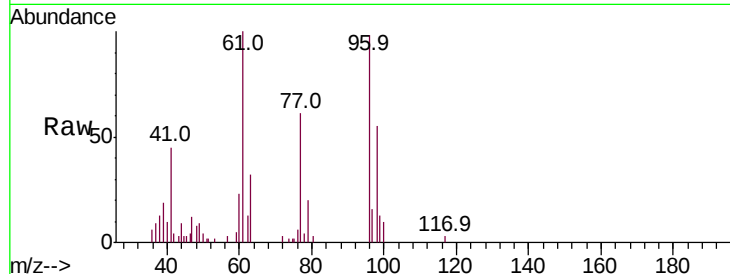
cis-1,2-Dichloroethene
Concen: 2.391 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.3	0.0	269.0
98	62.7	0.0	131.4

Manual Integrations
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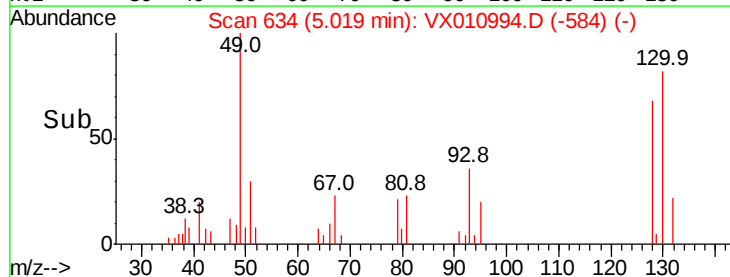
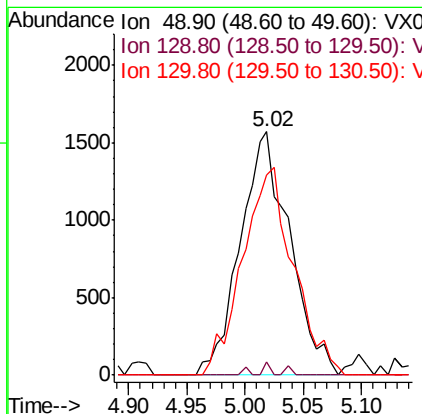
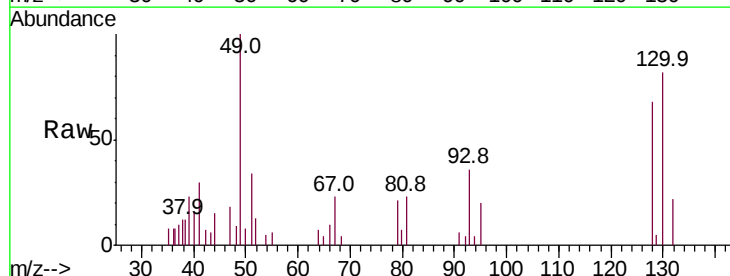
MMDadoda
7/22/2019 5:22:43 PM

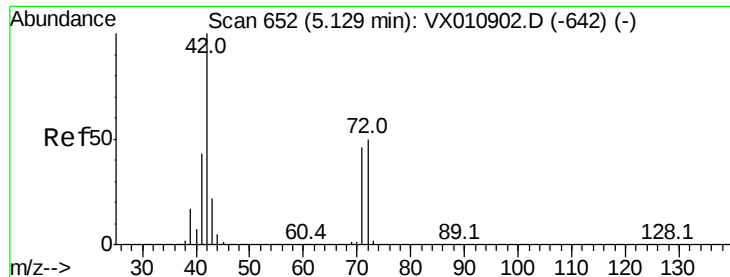


#28

Bromochloromethane
Concen: 2.402 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	5.2
130	88.4	76.9	115.3





#29

Tetrahydrofuran

Concen: 10.607 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

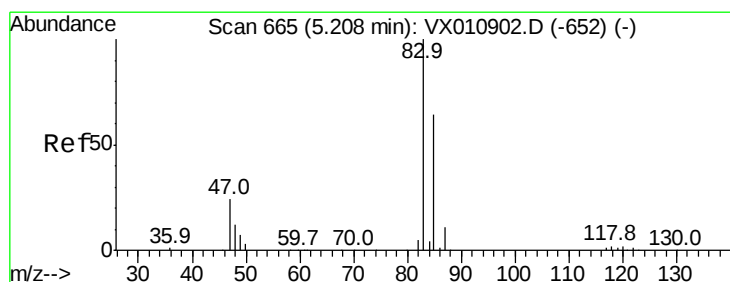
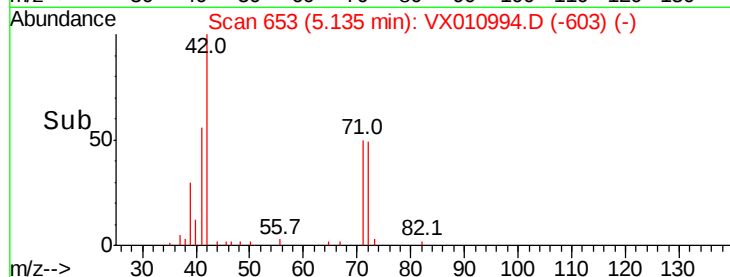
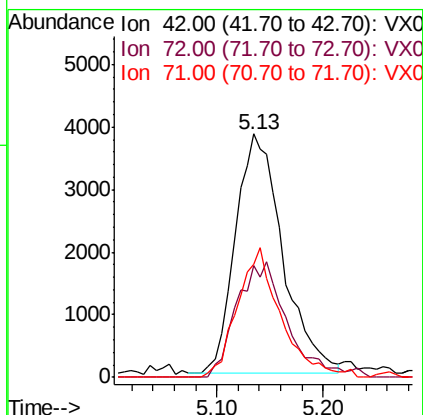
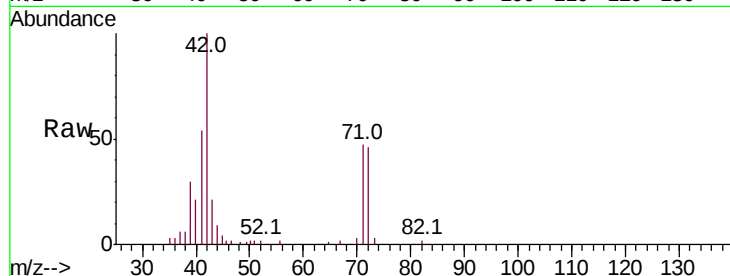
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	42	Resp:	11918
Ion	Ratio	Lower	Upper
42	100		
72	50.9	39.8	59.8
71	49.5	37.0	55.4

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#30

Chloroform

Concen: 2.326 ug/l

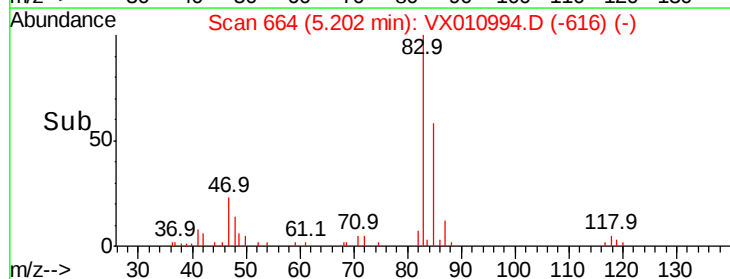
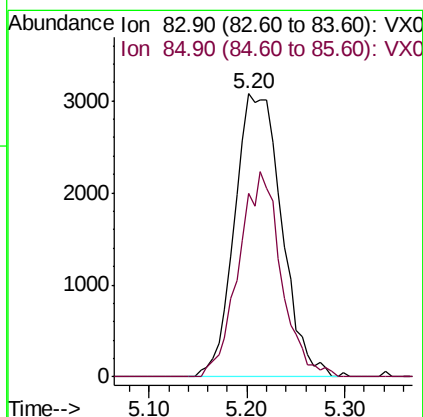
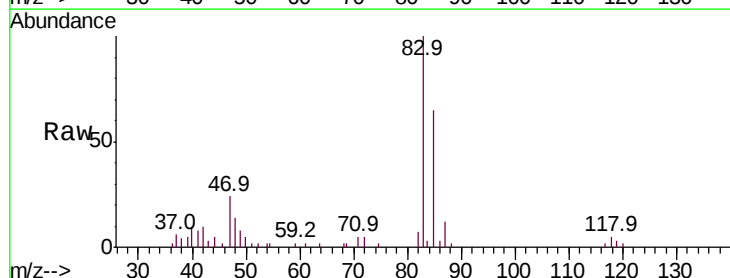
RT: 5.20 min Scan# 664

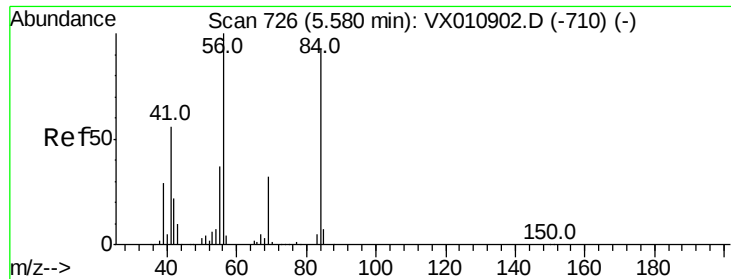
Delta R.T. -0.01 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Tgt Ion:	83	Resp:	10247
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.0





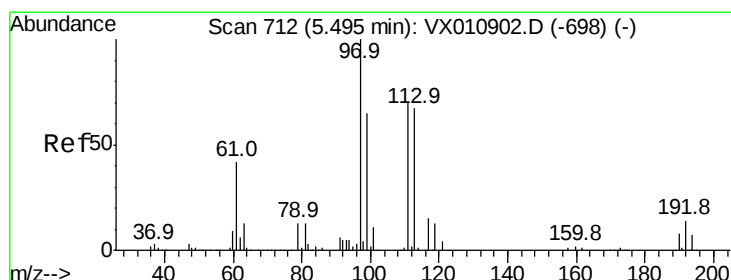
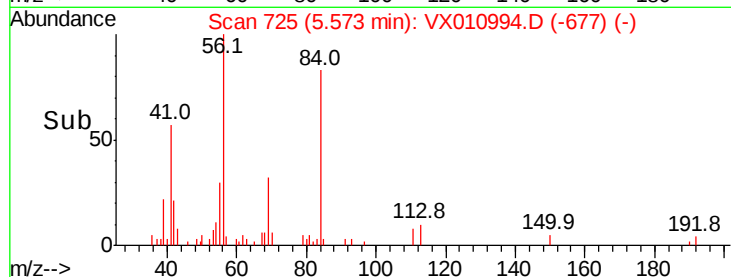
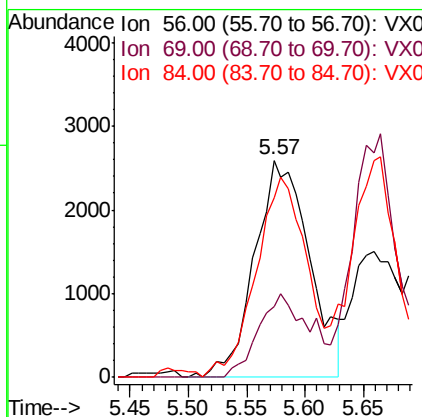
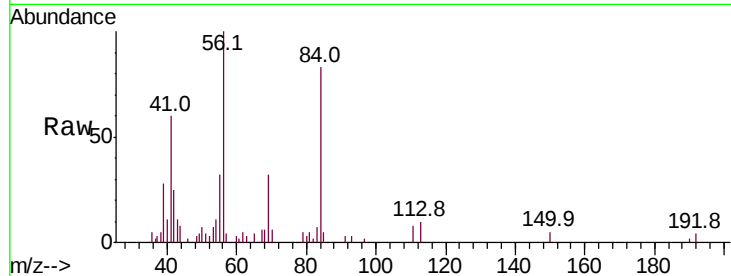
#31
Cyclohexane
Concen: 2.285 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.8	38.8
84	80.2	73.8	110.6

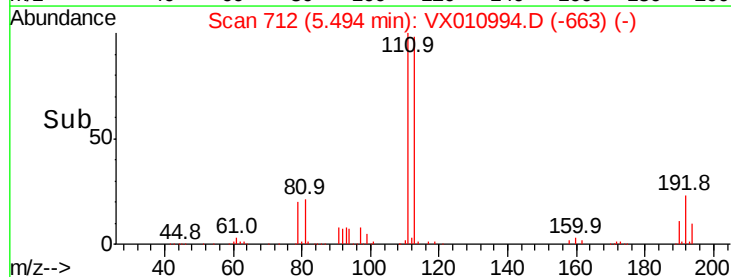
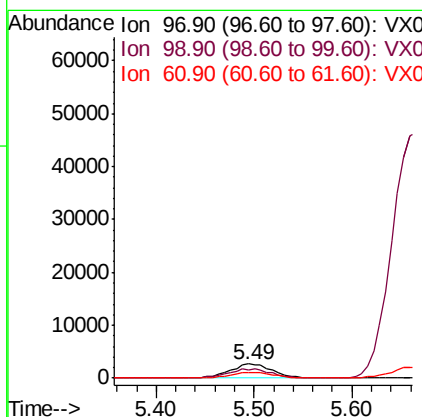
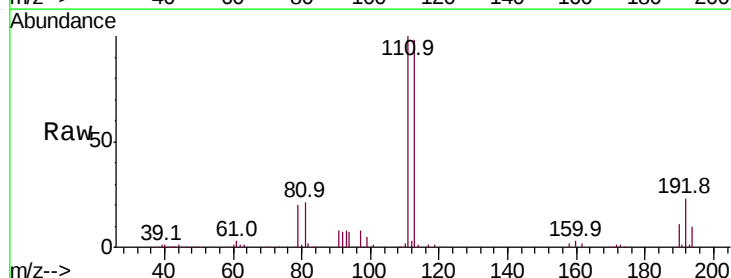
Manual Integrations
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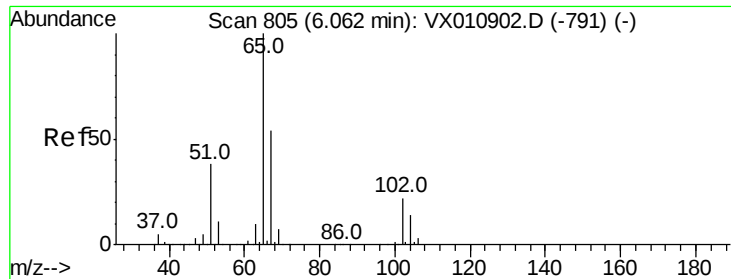
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 2.158 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	42.5	33.0	49.6





#33

1,2-Dichloroethane-d4

Concen: 44.485 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 65 Resp: 121714

Ion Ratio Lower Upper

65 100

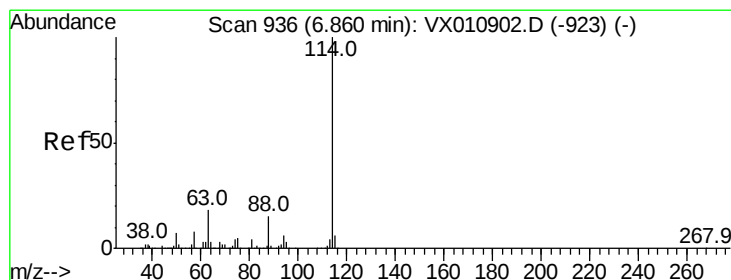
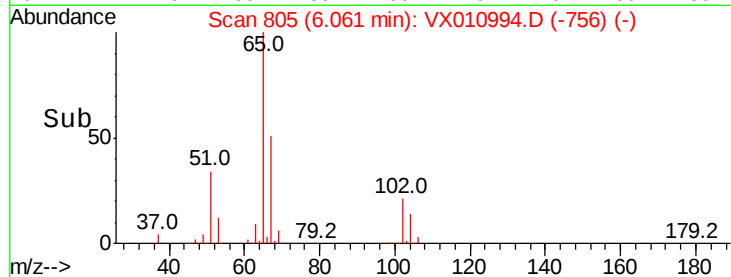
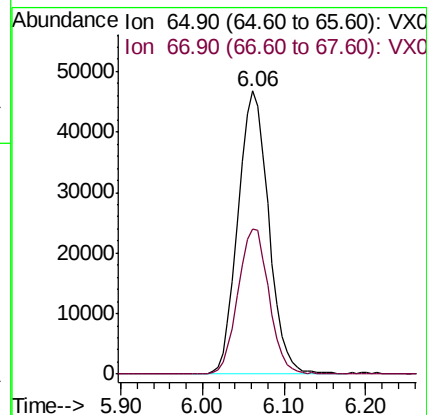
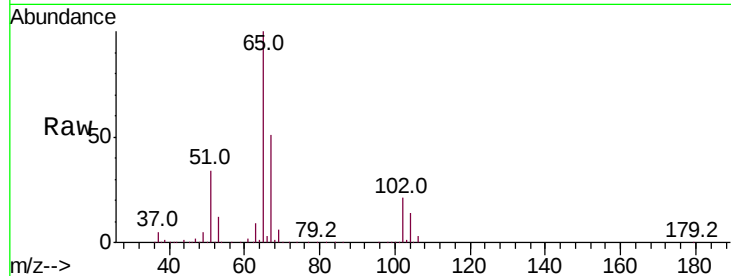
67 52.0 0.0 107.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

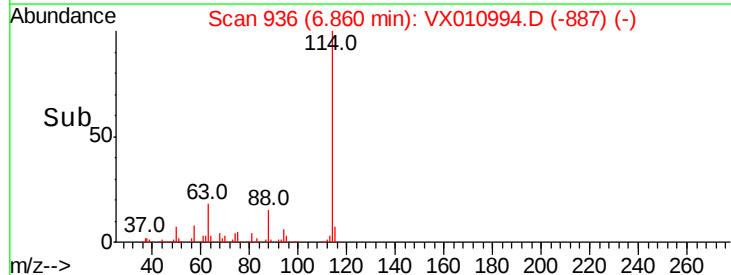
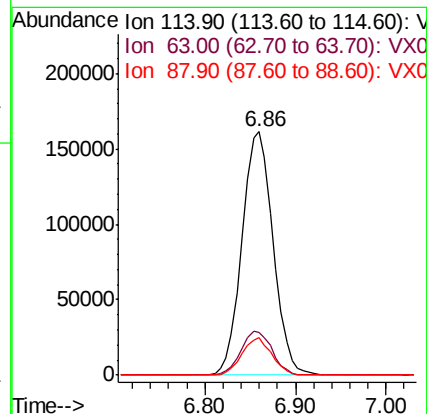
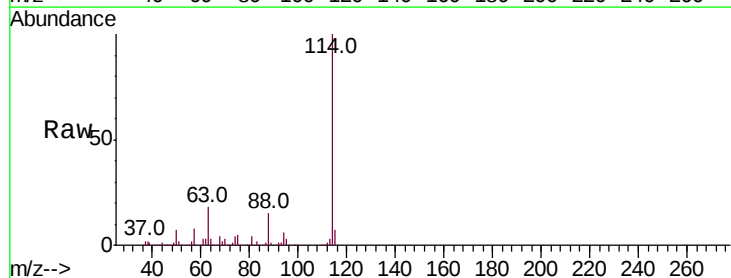
Tgt Ion:114 Resp: 383531

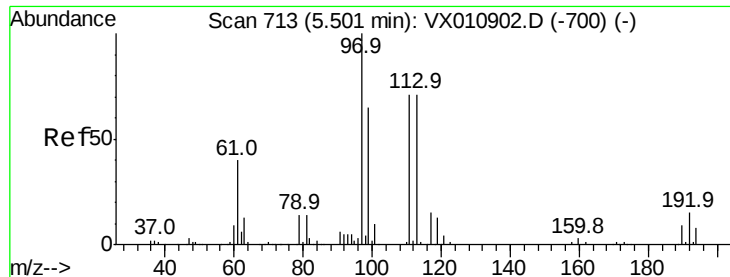
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.6

88 15.3 0.0 29.8





#35

Dibromofluoromethane

Concen: 43.270 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

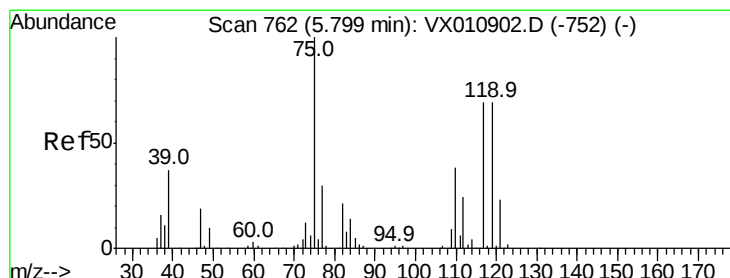
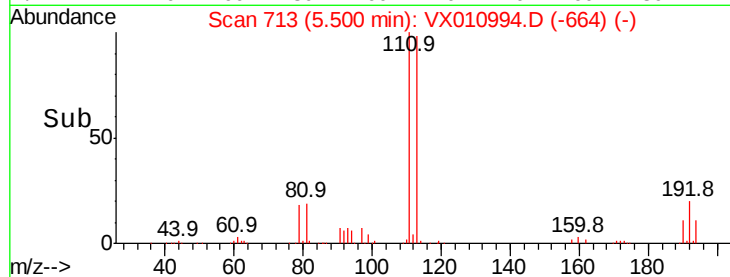
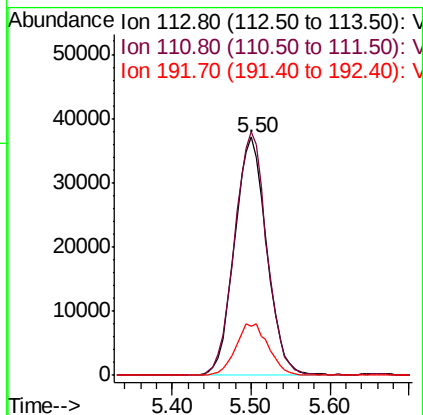
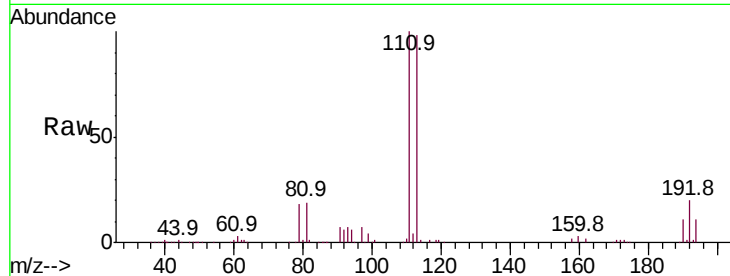
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	113	Resp:	105335
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.3	123.5
192	22.2	17.4	26.2

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#36

1,1-Dichloropropene

Concen: 2.326 ug/l

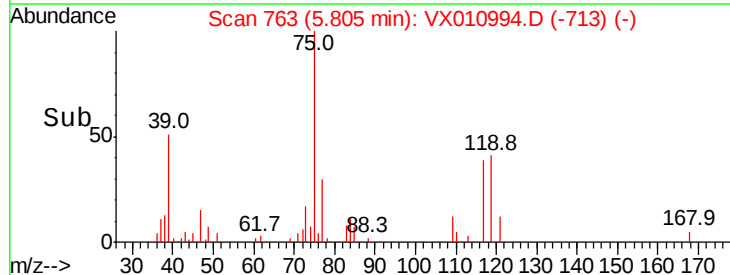
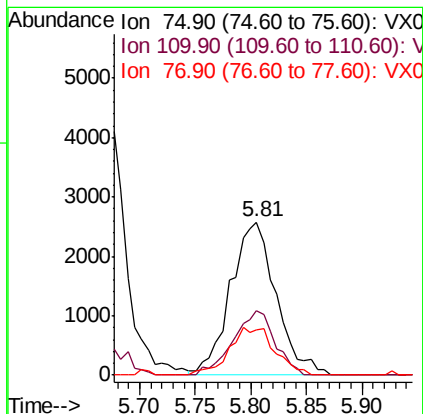
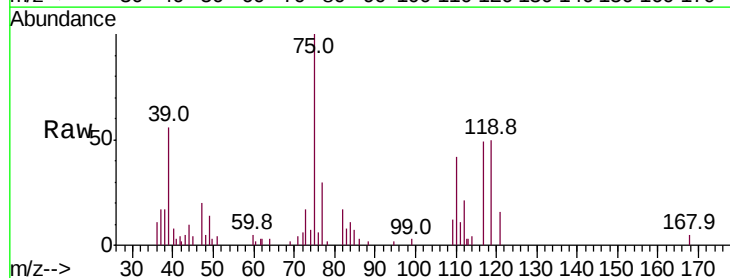
RT: 5.81 min Scan# 763

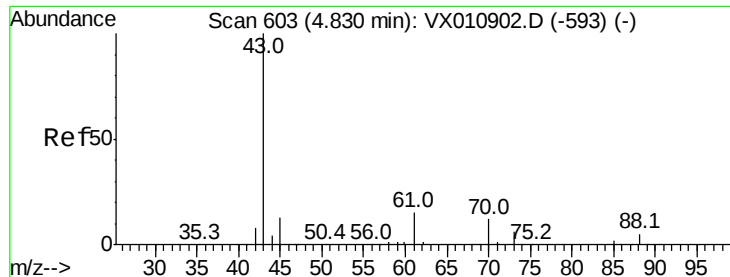
Delta R.T. 0.01 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Tgt Ion:	75	Resp:	7327
Ion Ratio	Lower	Upper	
75	100		
110	38.4	19.9	59.7
77	30.8	25.0	37.4





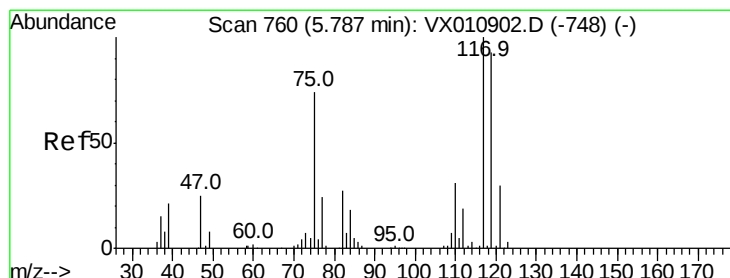
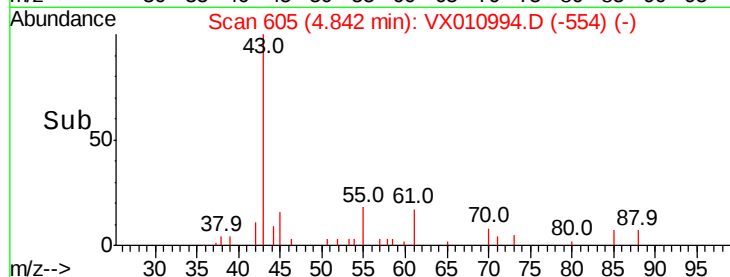
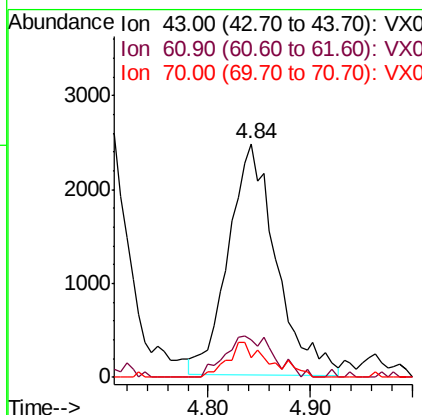
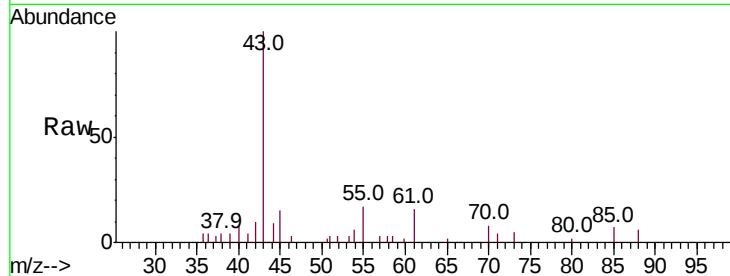
#37
Ethyl Acetate
Concen: 2.496 ug/l
RT: 4.84 min Scan# 605
Delta R.T. 0.01 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	11.6	17.4#
70	11.1	9.1	13.7

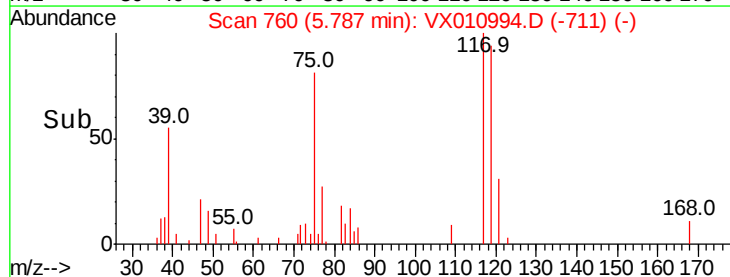
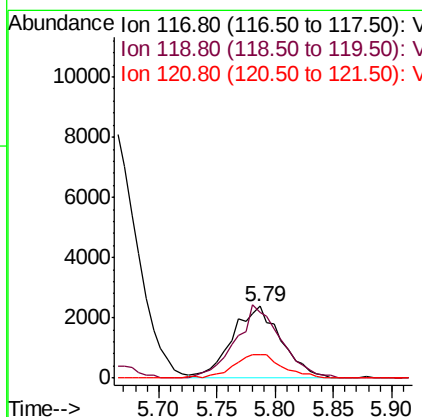
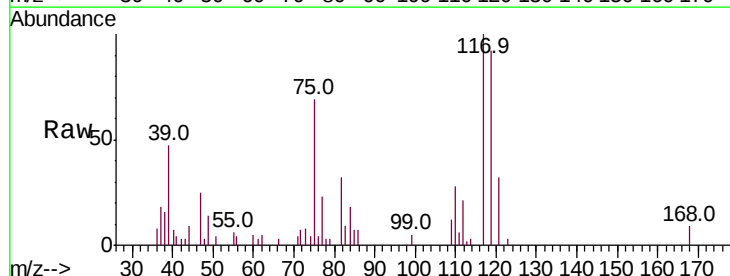
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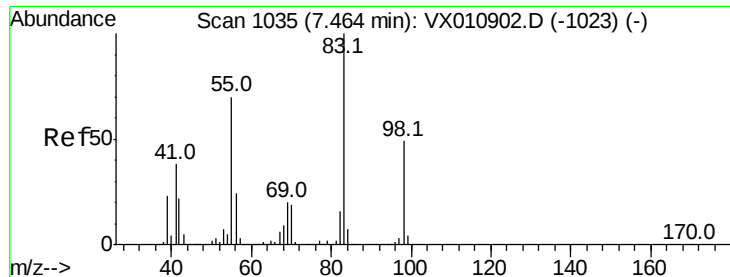
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#38
Carbon Tetrachloride
Concen: 2.125 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	74.2	111.2
121	31.8	24.2	36.2





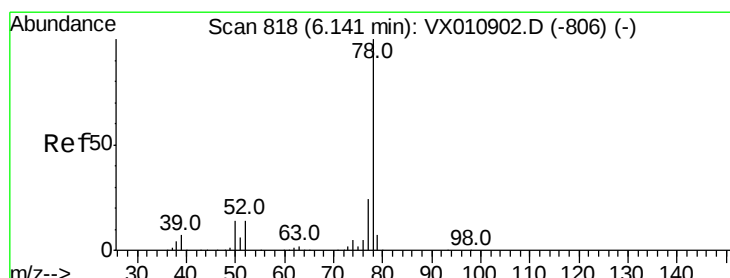
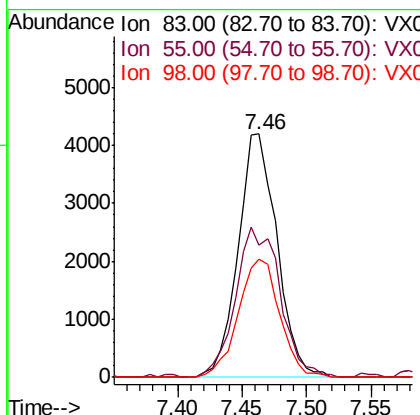
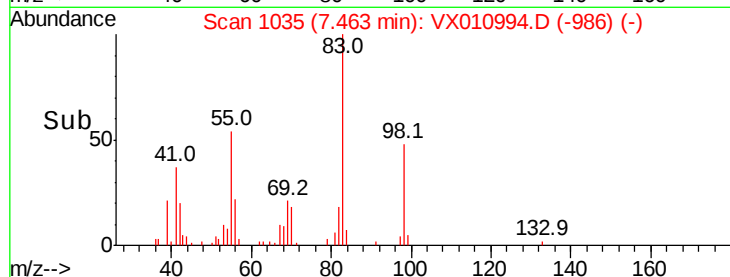
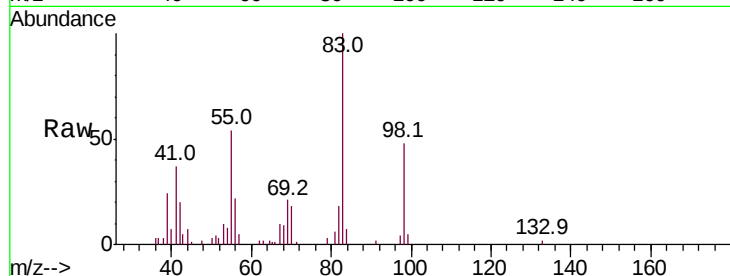
#39
Methvlcvclohexane
Concen: 2.147 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	83	Resp	8773
Ion Ratio	100	Lower	Upper
83	100		
55	54.4	56.2	84.4#
98	48.5	39.0	58.4

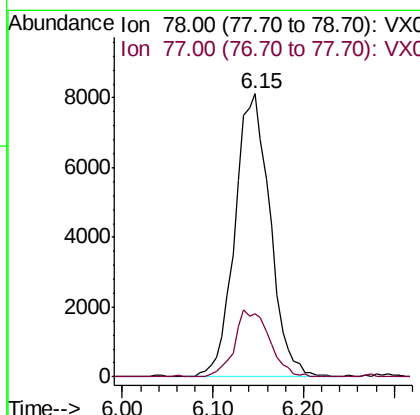
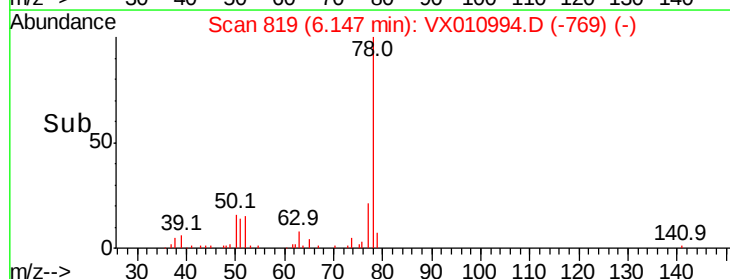
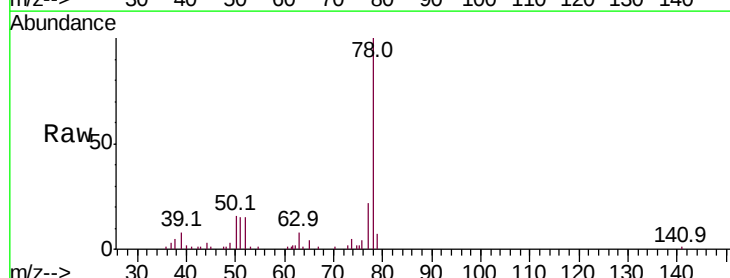
Manual Integrations
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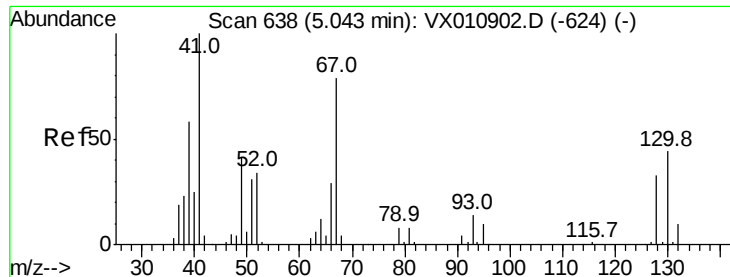
MMDadoda
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#40
Benzene
Concen: 2.261 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion	78	Resp	21823
Ion Ratio	100	Lower	Upper
78	100		
77	22.2	19.0	28.6





#41

Methacrylonitrile

Concen: 2.401 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

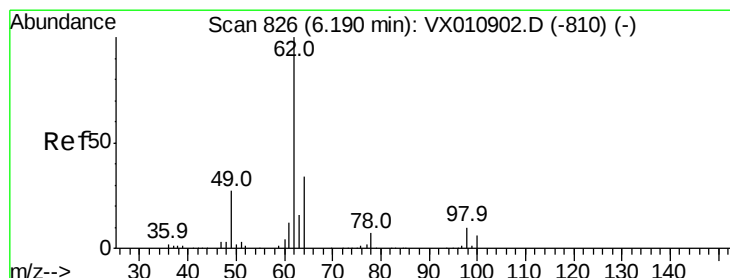
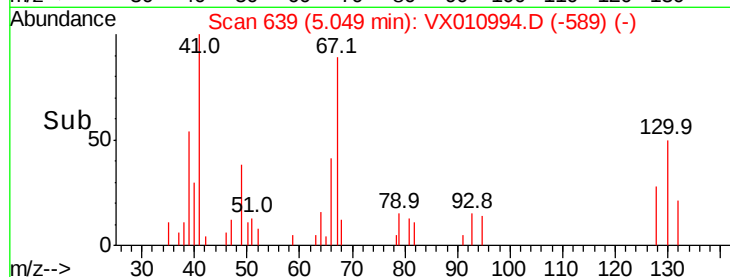
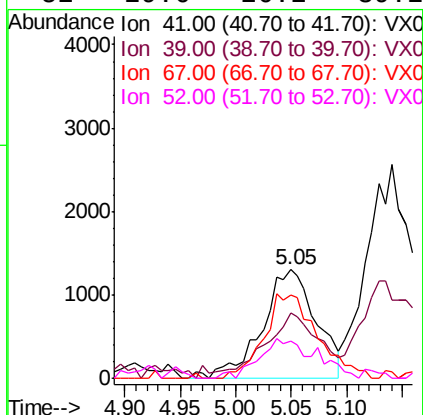
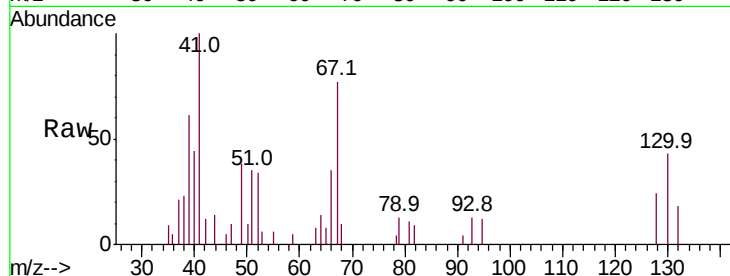
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.2	45.4	68.2
67	76.5	65.9	98.9
52	29.6	26.2	39.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 2.350 ug/l

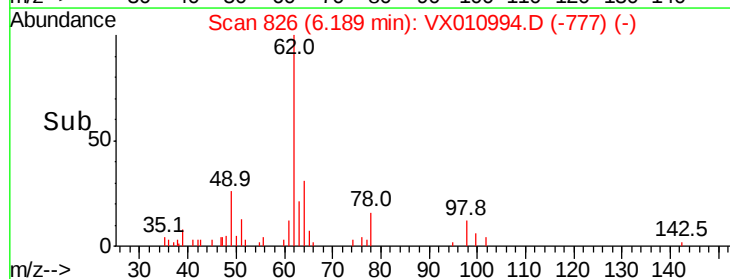
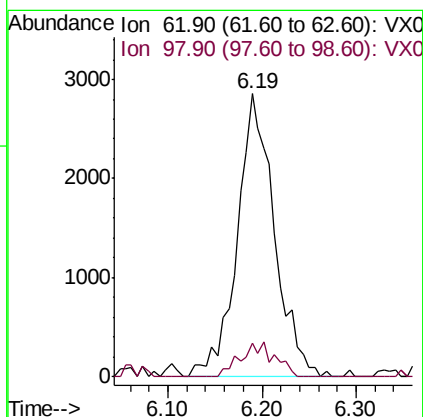
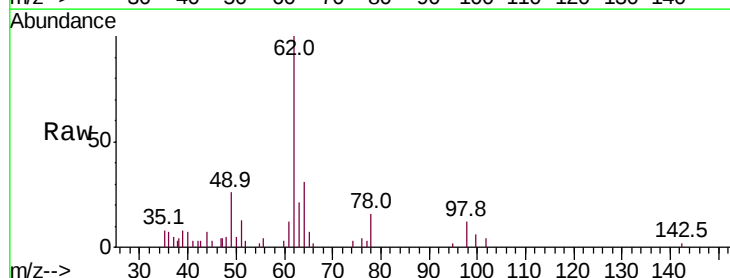
RT: 6.19 min Scan# 826

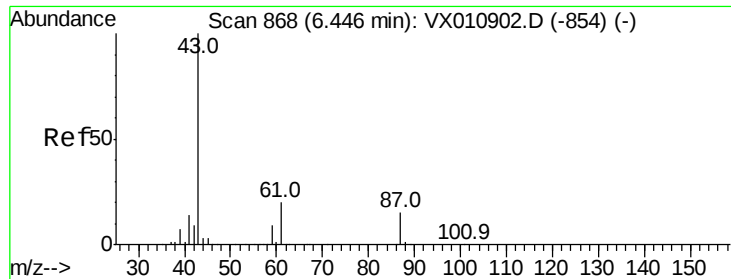
Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	20.0





#43

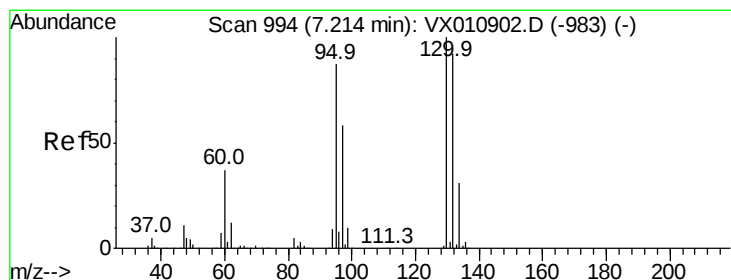
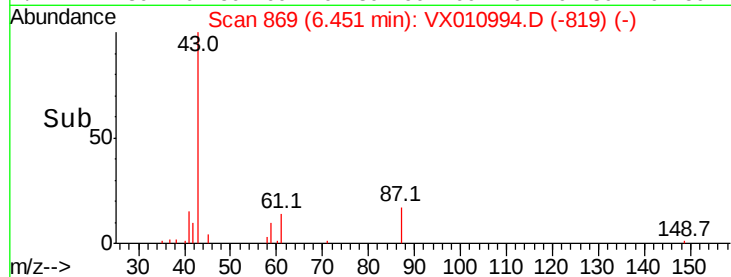
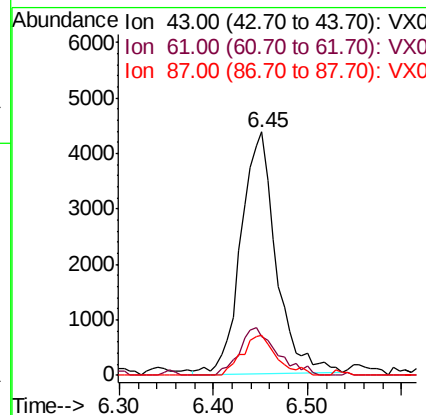
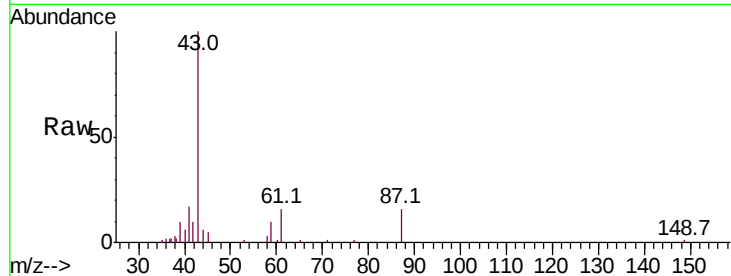
Isopropyl Acetate
 Concen: 2.147 ug/l
 RT: 6.45 min Scan# 869
 Delta R.T. 0.01 min
 Lab File: VX010994.D
 Acq: 19 Jul 2019 11:57

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.1	25.7
87	16.2	12.0	18.0

Manual Integrations
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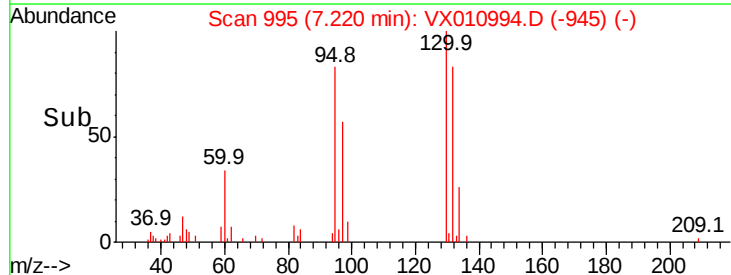
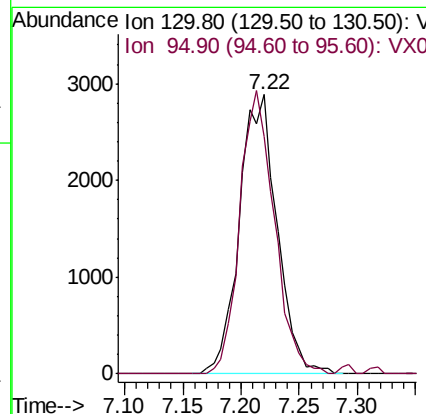
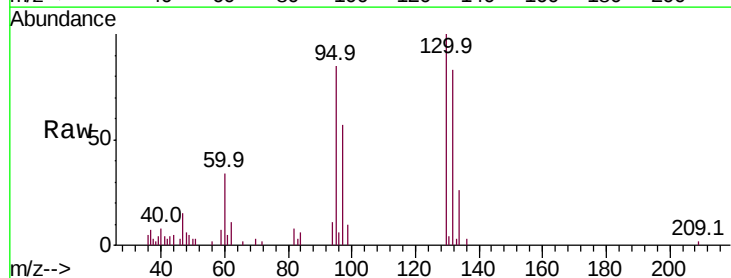
MMDadoda
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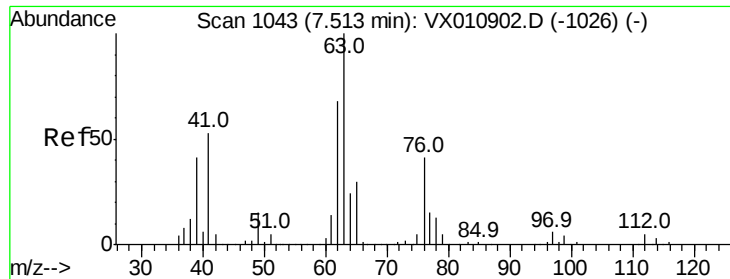


#44

Trichloroethene
 Concen: 2.281 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX010994.D
 Acq: 19 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.9	0.0	174.8





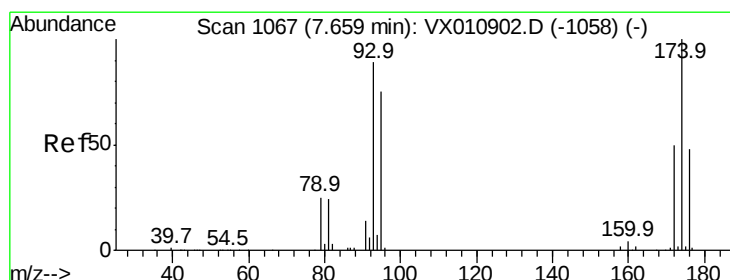
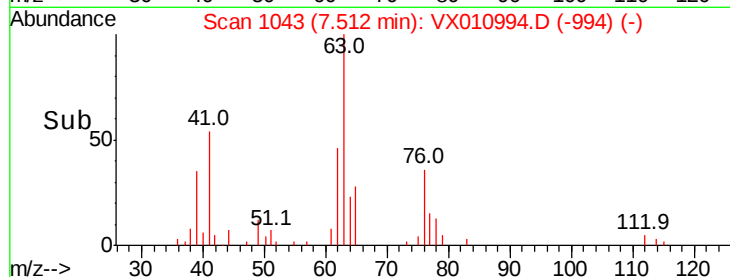
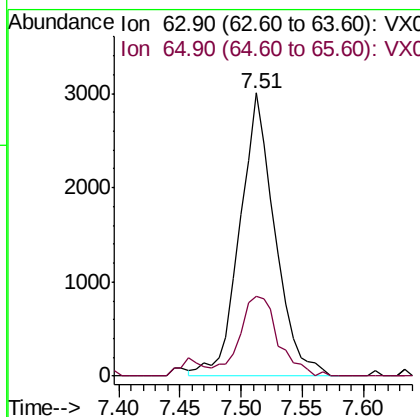
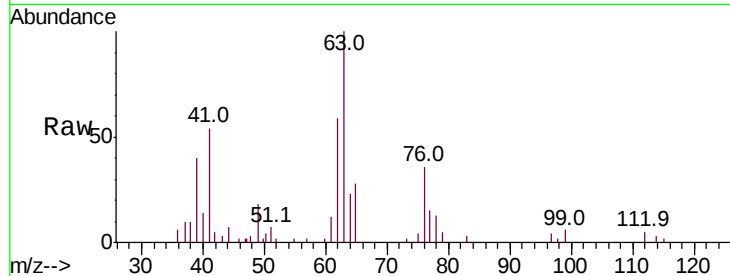
#45
 1,2-Dichloropropane
 Concen: 2.433 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010994.D
 Acq: 19 Jul 2019 11:57

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion: 63 Resp: 5975
 Ion Ratio Lower Upper
 63 100
 65 28.1 24.4 36.6

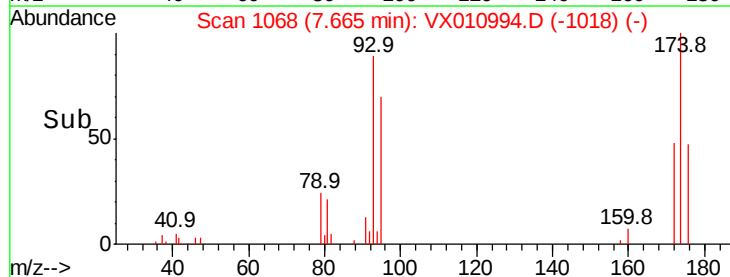
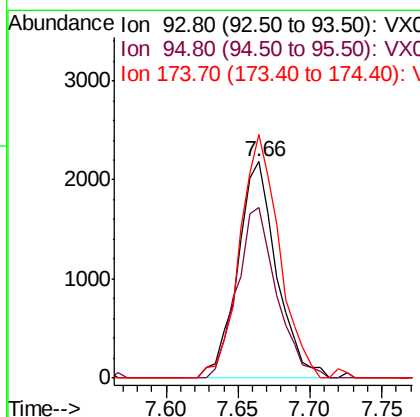
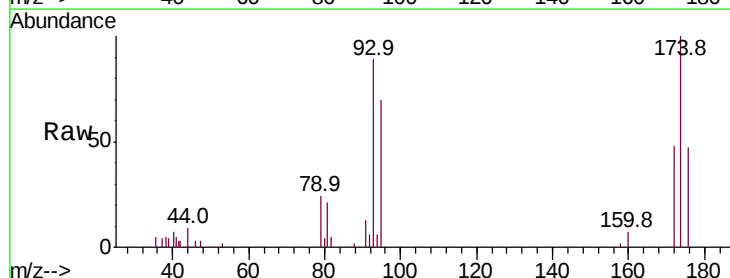
Manual Integrations
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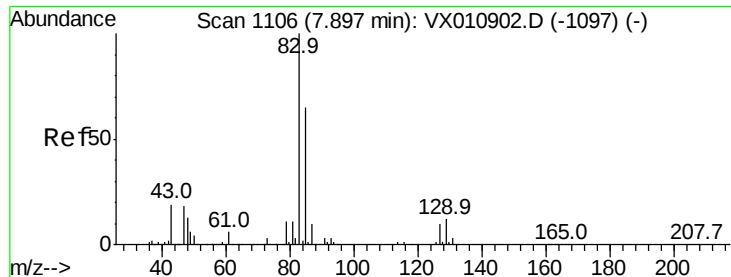
MMDadoda
 7/22/2019 5:22:43 PM



#46
 Dibromomethane
 Concen: 2.338 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX010994.D
 Acq: 19 Jul 2019 11:57

Tgt Ion: 93 Resp: 4103
 Ion Ratio Lower Upper
 93 100
 95 80.1 67.2 100.8
 174 113.5 90.6 135.8





#47

Bromodichloromethane

Concen: 2.025 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

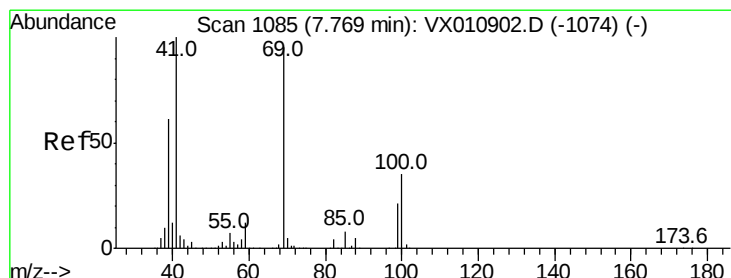
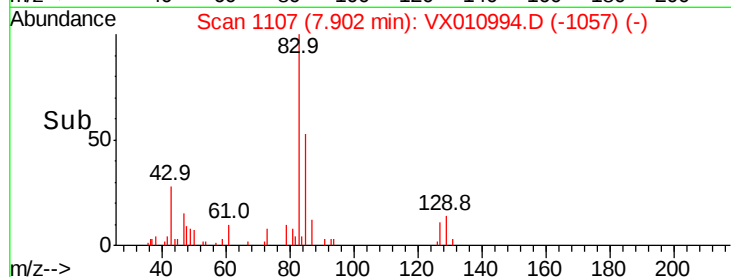
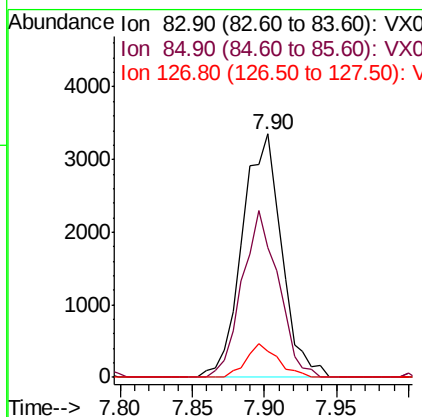
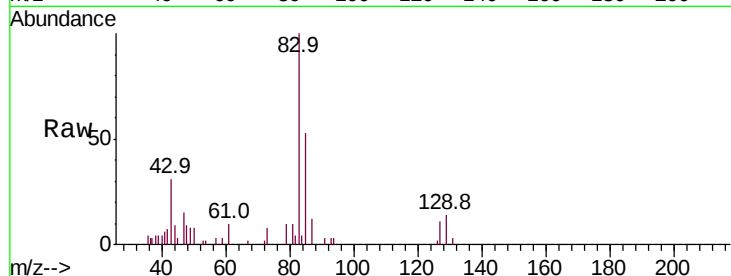
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	83	Resp:	6327
Ion	Ratio	Lower	Upper
83	100		
85	53.3	52.5	78.7
127	10.9	7.8	11.8

Manual Integrations
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7/22/2019 5:22:43 PM



#48

Methyl methacrylate

Concen: 2.226 ug/l

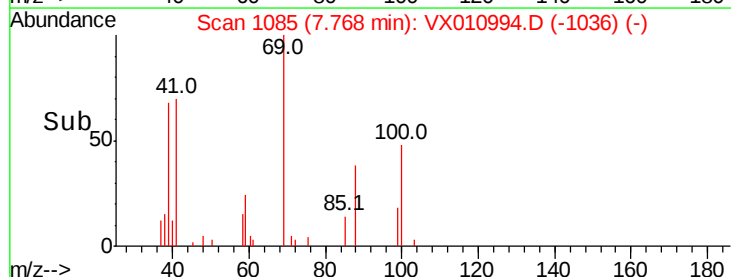
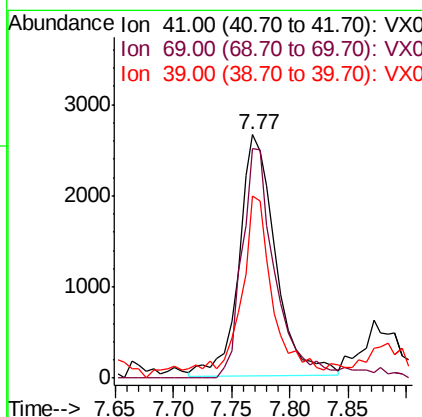
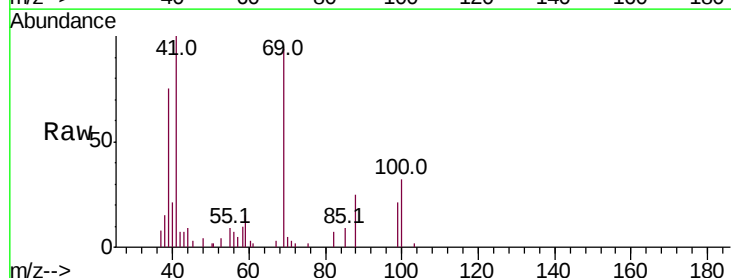
RT: 7.77 min Scan# 1085

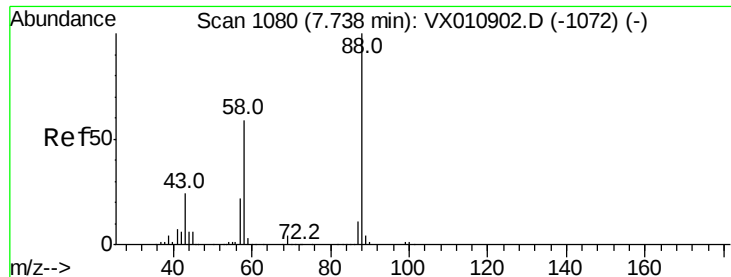
Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Tgt Ion:	41	Resp:	5751
Ion	Ratio	Lower	Upper
41	100		
69	86.6	74.4	111.6
39	64.3	48.9	73.3





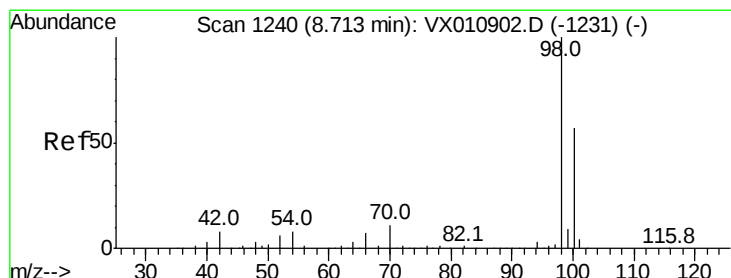
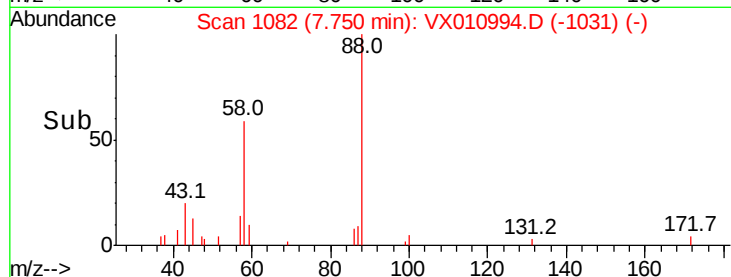
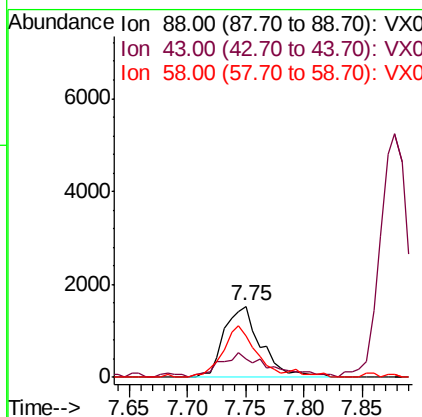
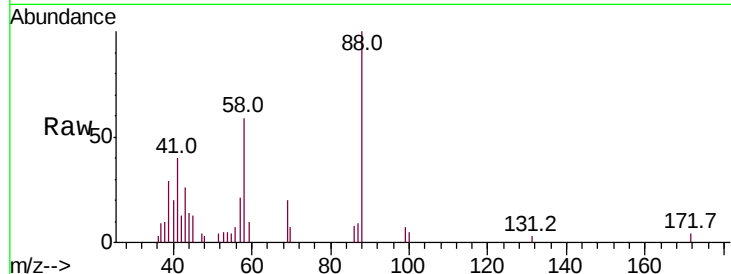
#49
1,4-Dioxane
Concen: 46.624 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.1	22.9	34.3#
58	63.6	49.8	74.8

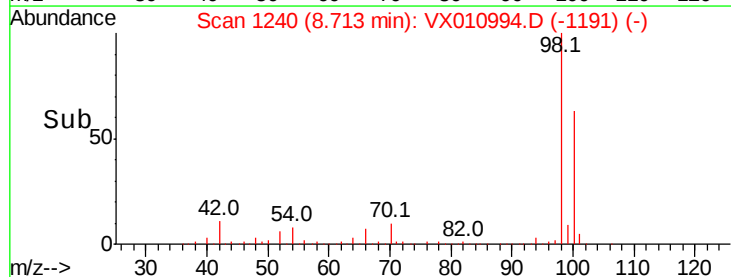
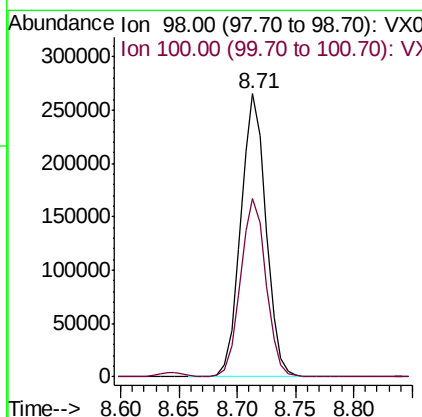
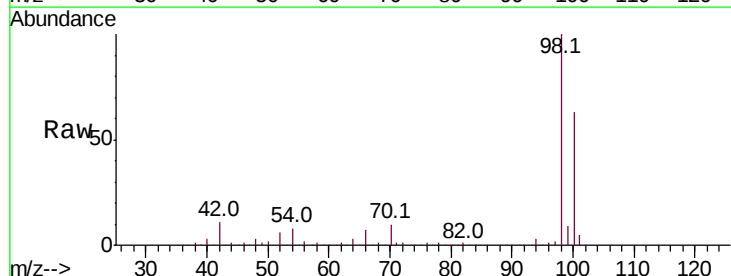
Manual Integrations
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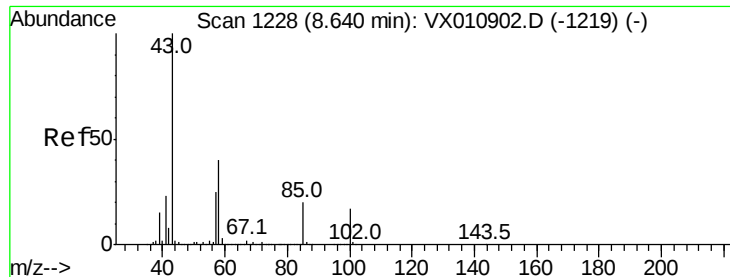
MMDadoda
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#50
Toluene-d8
Concen: 43.930 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 10.877 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 37400

Ion Ratio Lower Upper

43 100

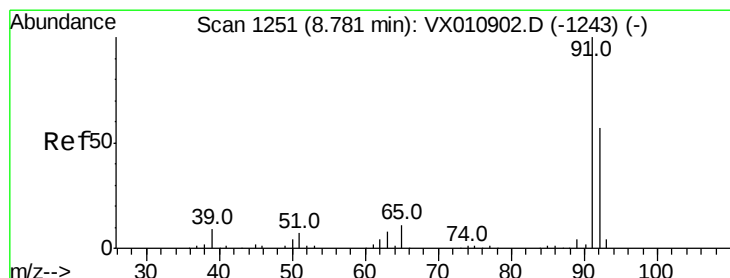
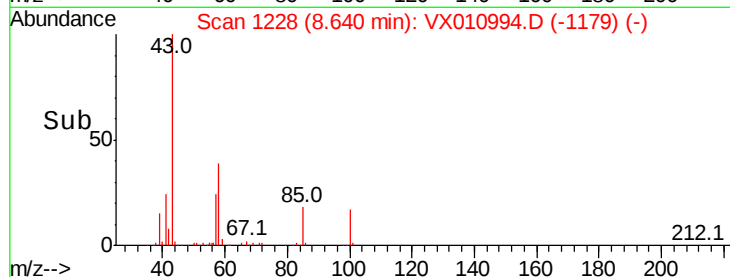
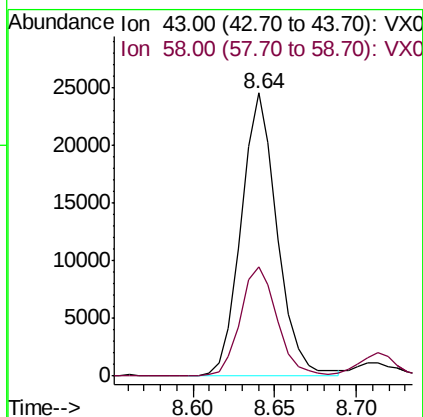
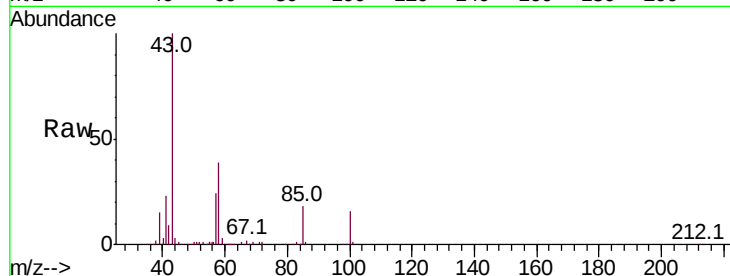
58 39.8 32.2 48.4

Manual Integrations

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#52

Toluene

Concen: 2.265 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010994.D

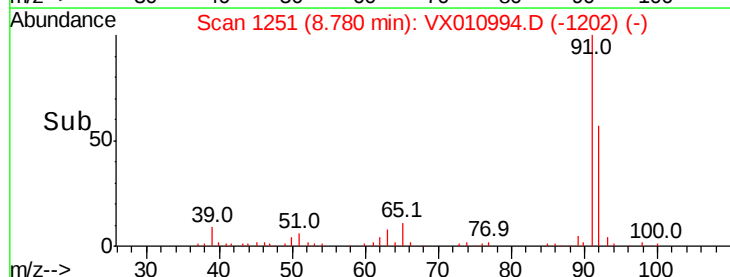
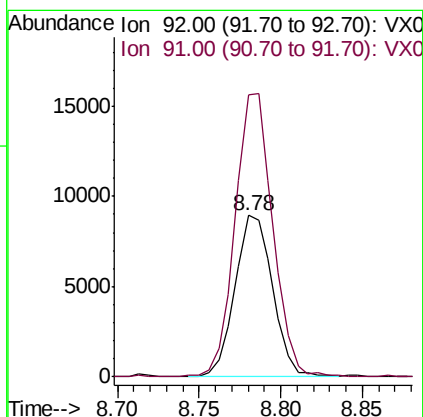
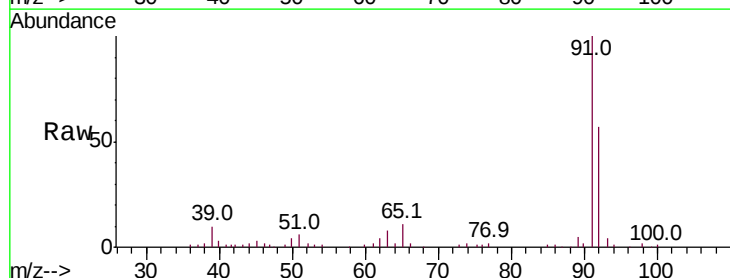
Acq: 19 Jul 2019 11:57

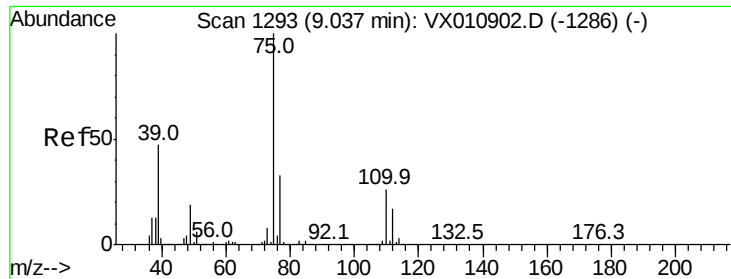
Tgt Ion: 92 Resp: 14358

Ion Ratio Lower Upper

92 100

91 176.3 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 1.769 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 75 Resp: 5944

Ion Ratio Lower Upper

75 100

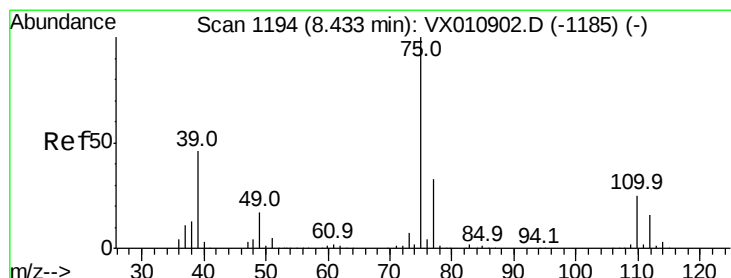
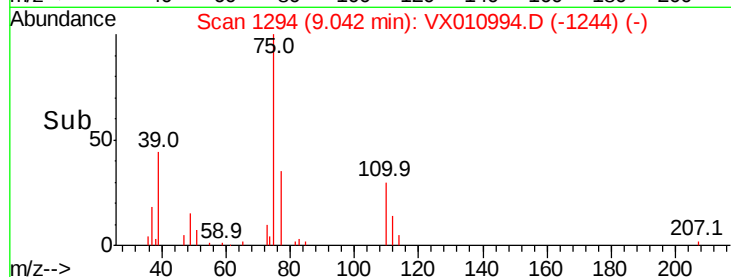
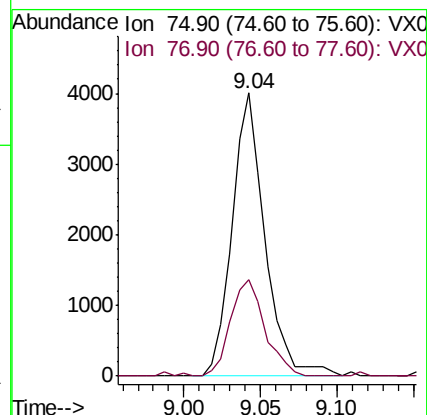
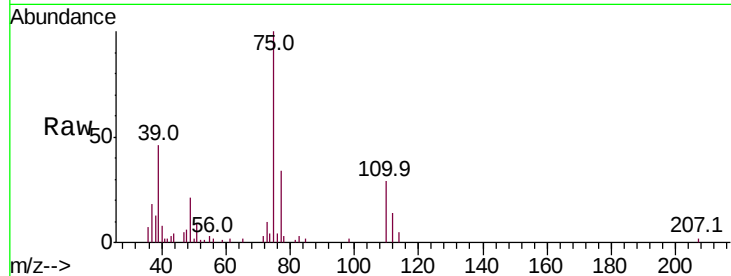
77 34.0 26.2 39.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 1.899 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

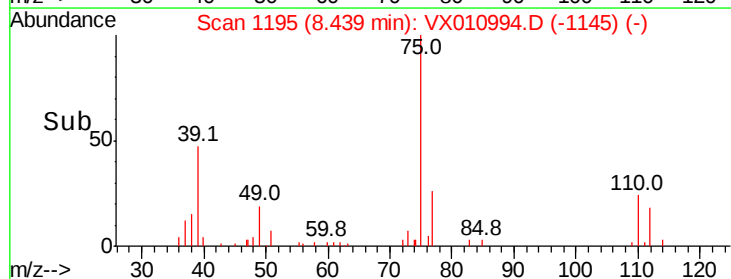
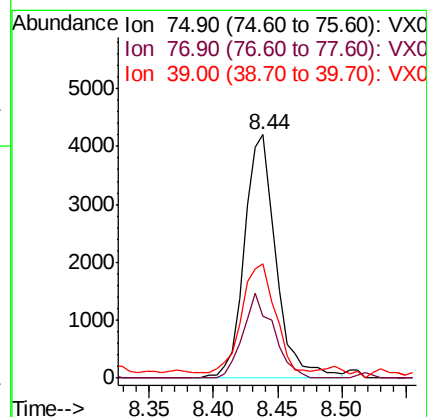
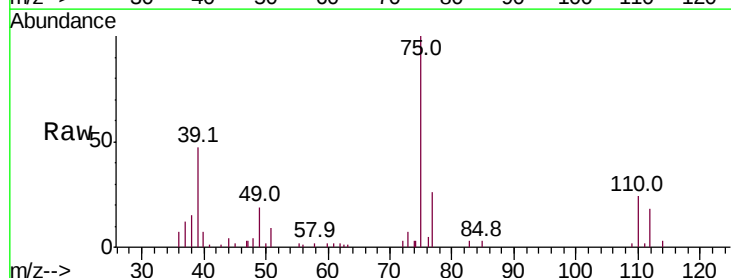
Tgt Ion: 75 Resp: 7100

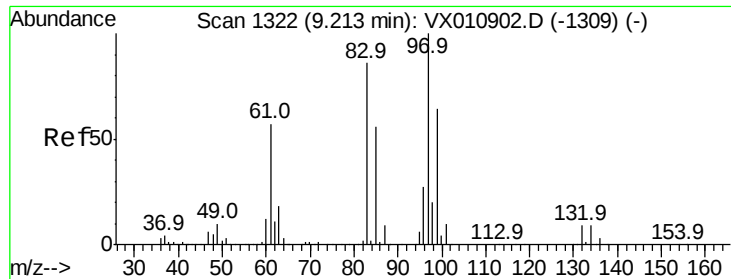
Ion Ratio Lower Upper

75 100

77 25.7 26.1 39.1#

39 45.1 36.6 54.8





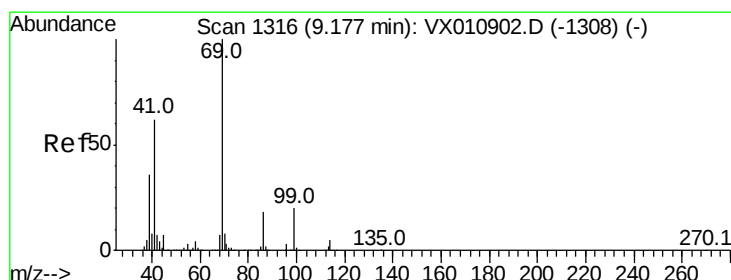
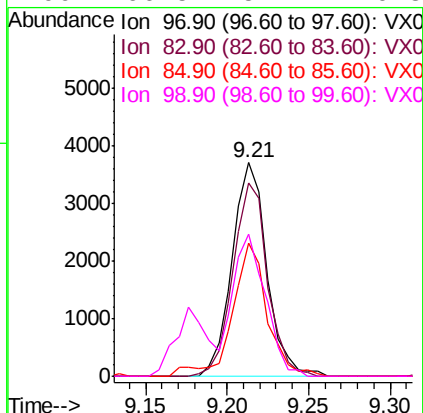
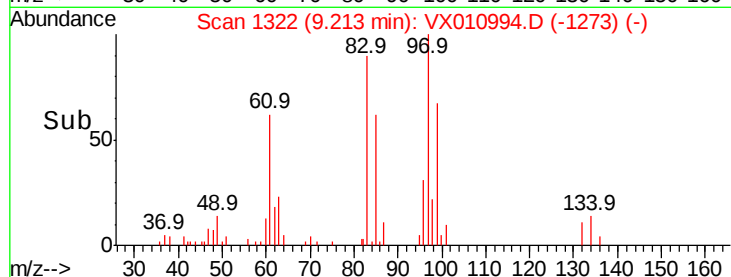
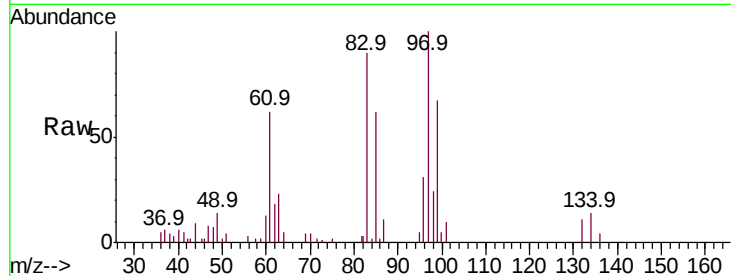
#55
1,1,2-Trichloroethane
Concen: 2.109 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.5	69.2	103.8
85	62.2	44.6	66.8
99	66.5	51.2	76.8

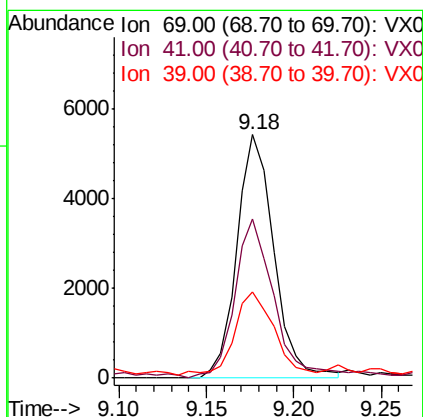
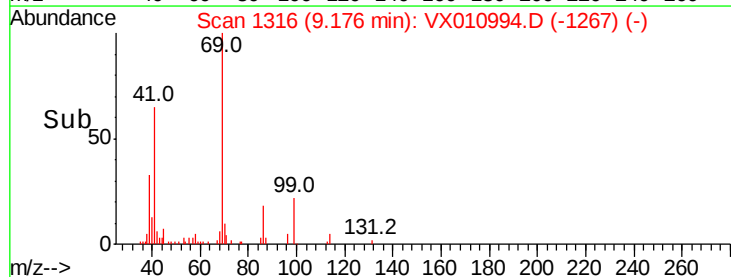
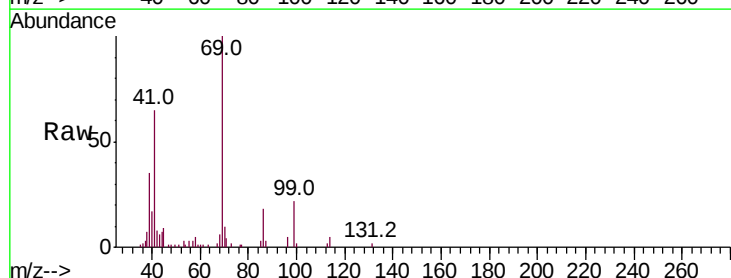
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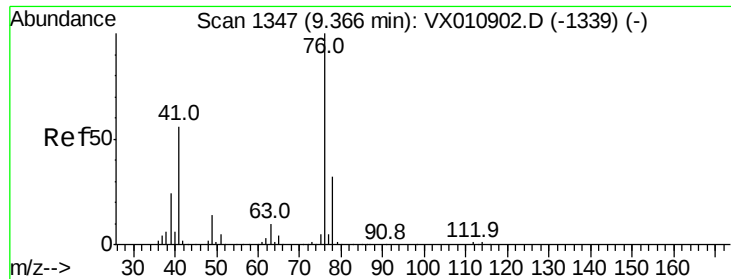
MMDadoda
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#56
Ethyl methacrylate
Concen: 2.090 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.0	49.7	74.5
39	35.6	29.6	44.4





#57

1,3-Dichloropropane

Concen: 2.241 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 76 Resp: 9280

Ion Ratio Lower Upper

76 100

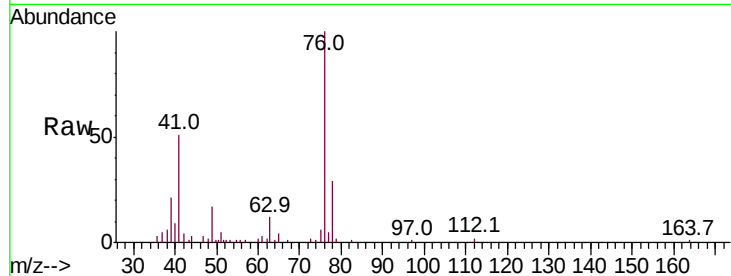
78 33.4 25.6 38.4

Manual Integrations

APPROVED

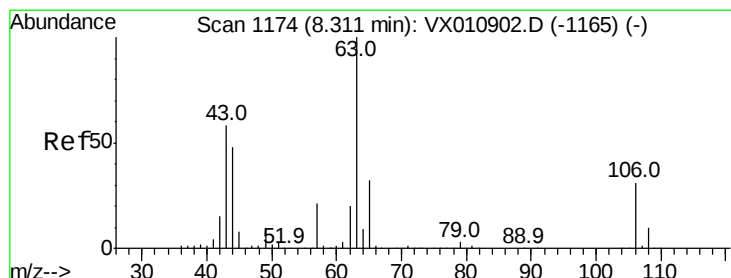
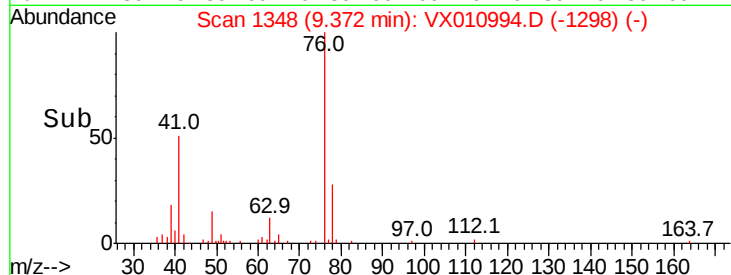
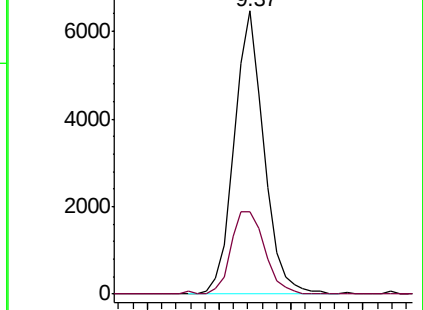
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 11.149 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010994.D

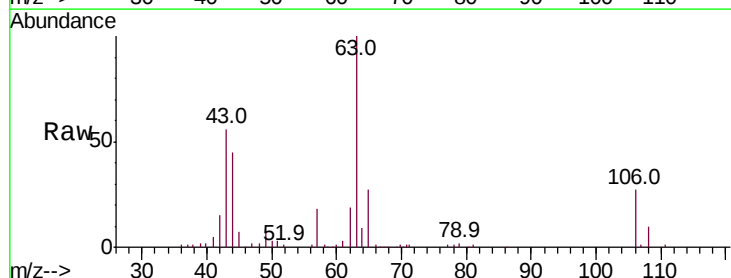
Acq: 19 Jul 2019 11:57

Tgt Ion: 63 Resp: 20321

Ion Ratio Lower Upper

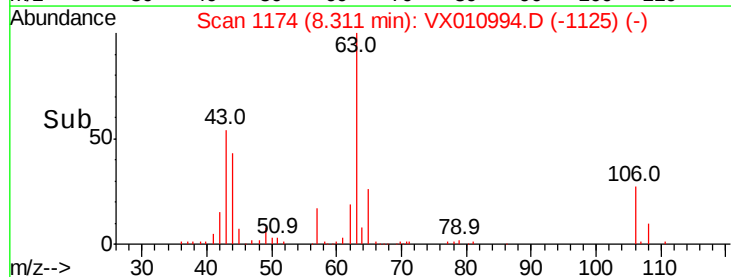
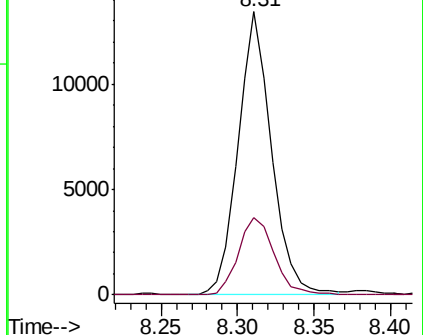
63 100

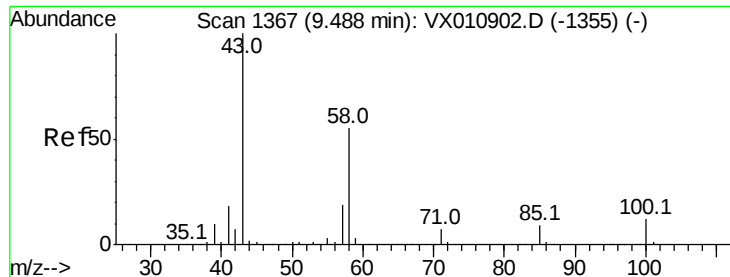
106 29.1 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





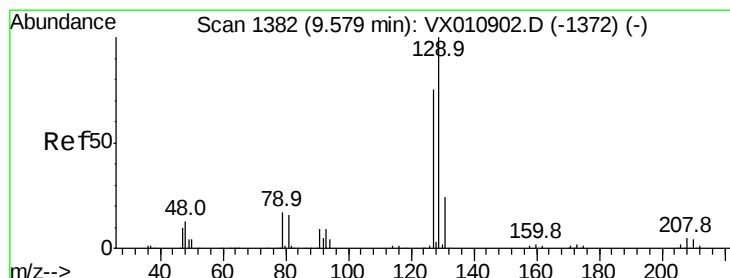
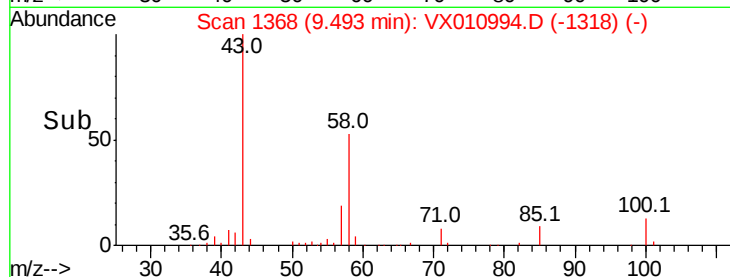
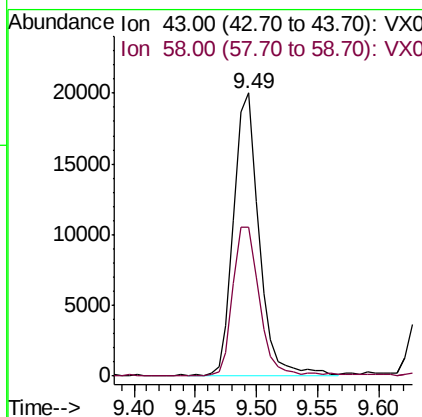
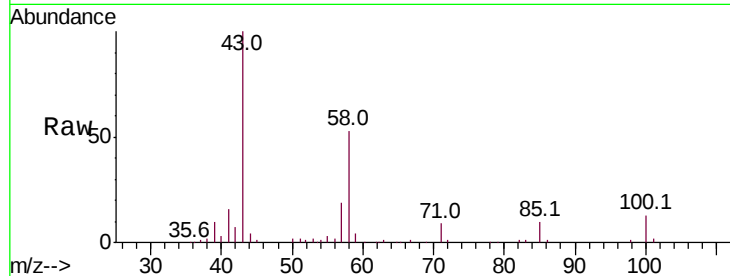
#59
2-Hexanone
Concen: 10.707 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 28554
Ion Ratio Lower Upper
43 100
58 55.7 28.0 83.9

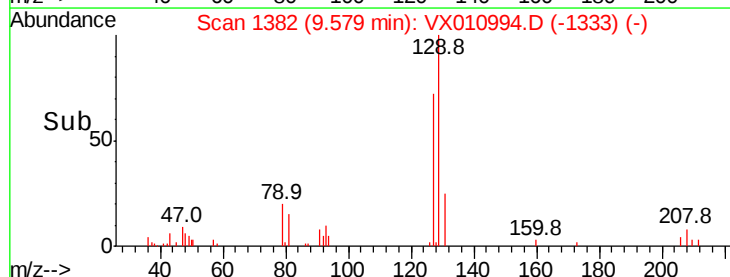
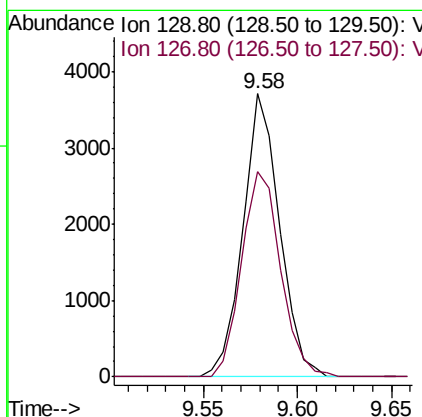
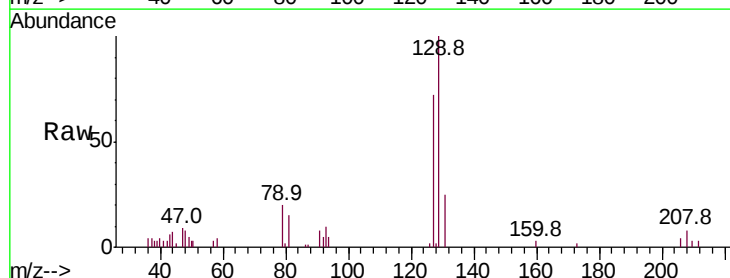
Manual Integrations
APPROVED

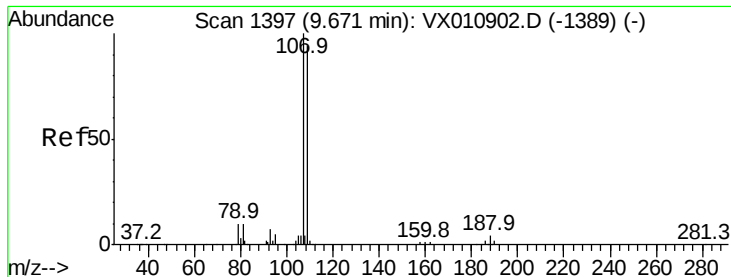
MMDadoda
7/22/2019 5:22:43 PM



#60
Dibromochloromethane
Concen: 1.892 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion:129 Resp: 5002
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 2.213 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:107 Resp: 6130

Ion Ratio Lower Upper

107 100

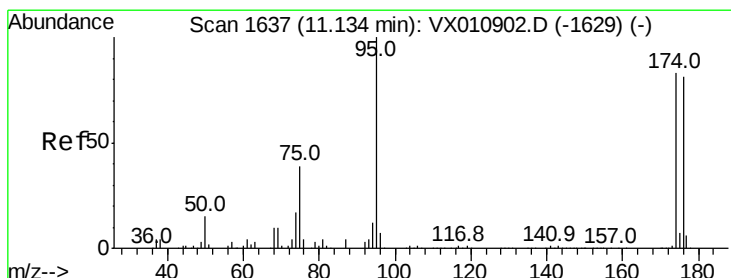
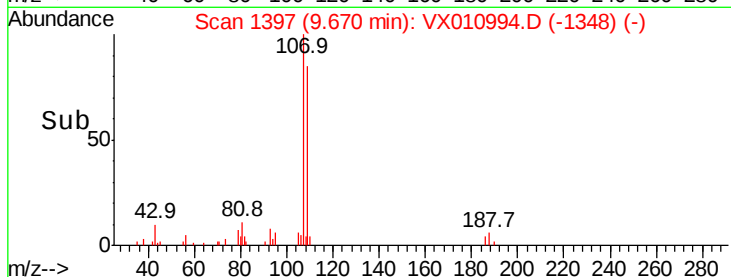
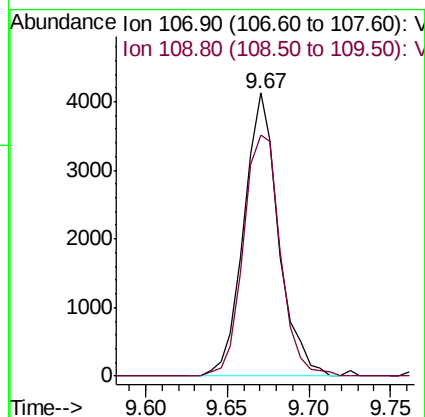
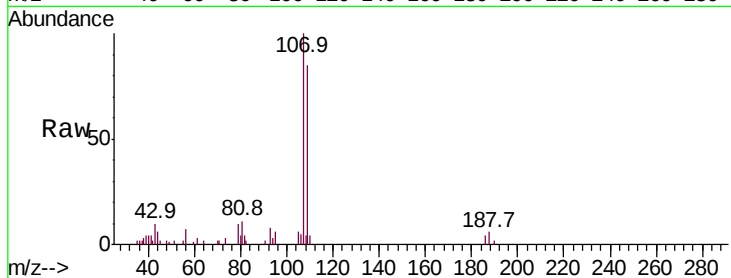
109 90.7 75.4 113.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 42.501 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

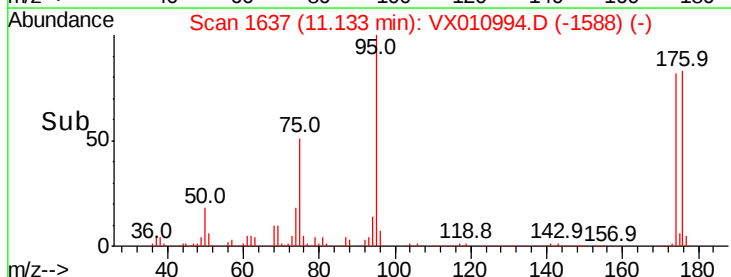
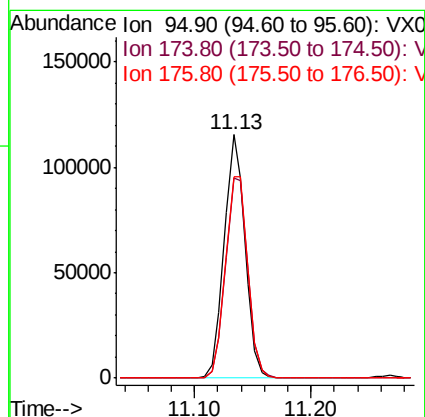
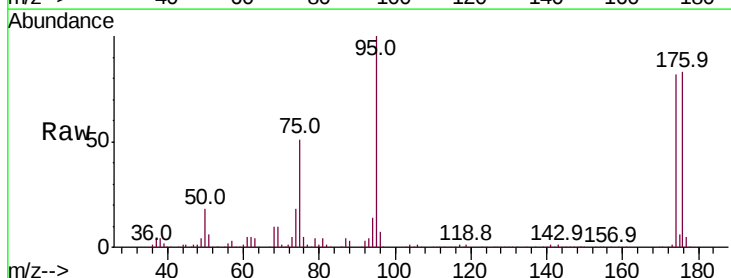
Tgt Ion: 95 Resp: 142636

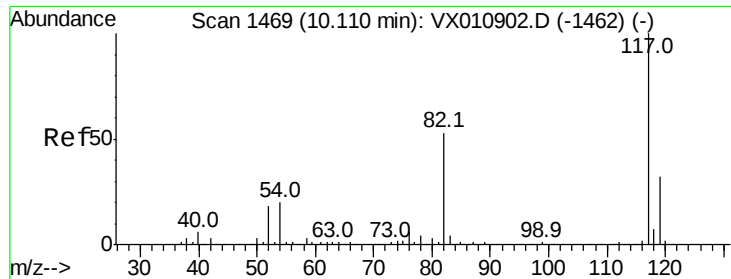
Ion Ratio Lower Upper

95 100

174 88.0 0.0 180.6

176 88.6 0.0 173.8





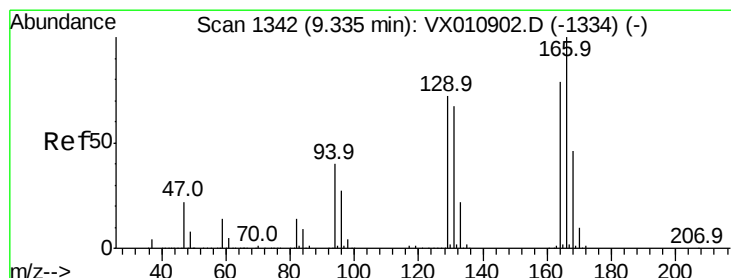
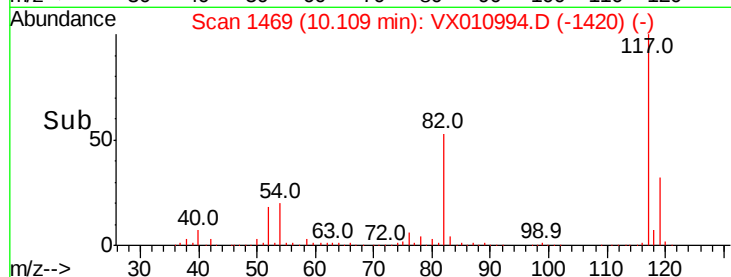
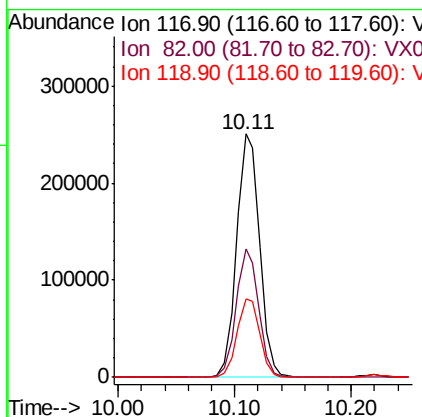
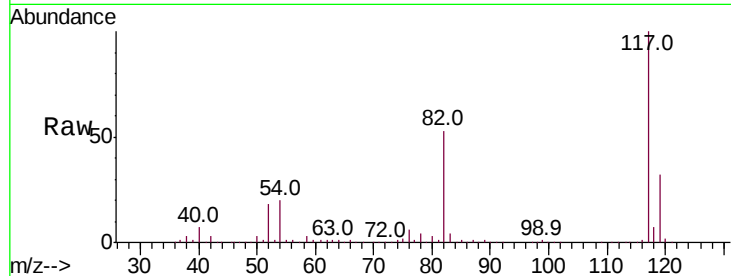
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
117	100	343906		
82	52.6		42.6	63.8
119	32.1		25.9	38.9

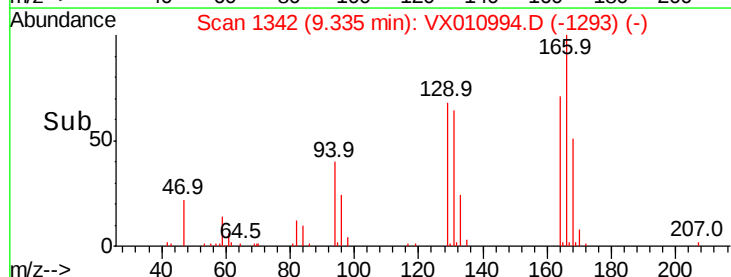
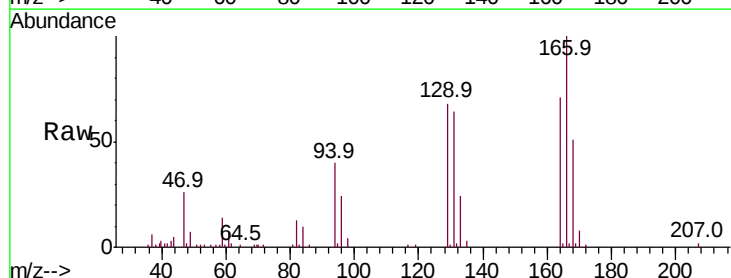
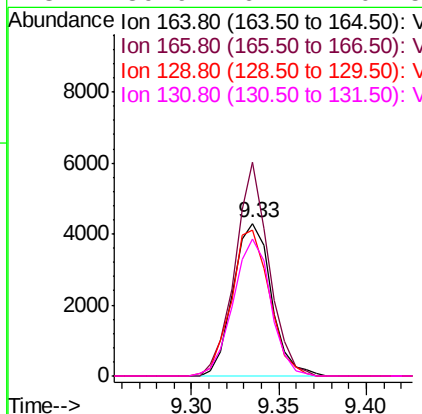
Manual Integrations
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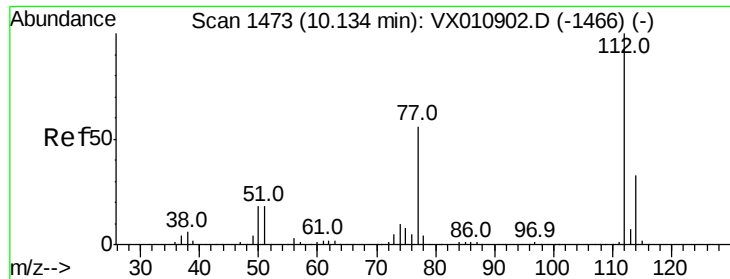
MMDadoda
7/22/2019 5:22:43 PM



#64
Tetrachloroethene
Concen: 2.414 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	6531		
166	140.1		100.8	151.2
129	95.4		72.6	109.0
131	89.9		67.7	101.5





#65

Chlorobenzene

Concen: 2.276 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:112 Resp: 16079

Ion Ratio Lower Upper

112 100

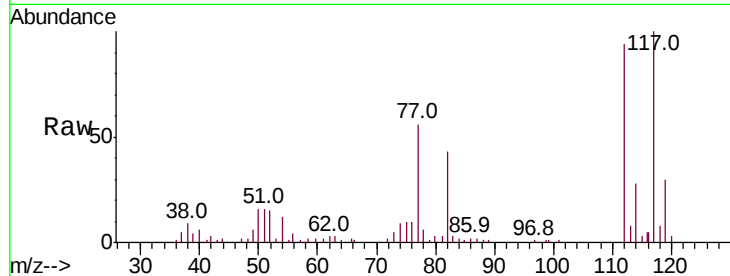
114 29.9 26.2 39.4

Manual Integrations

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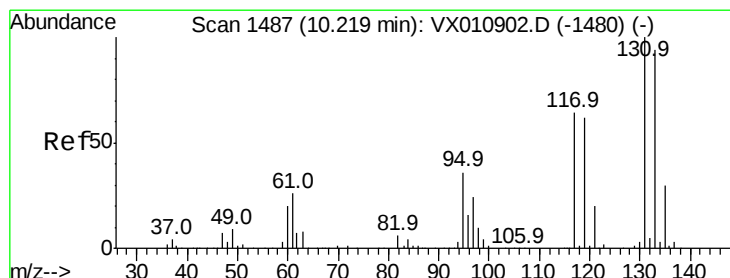
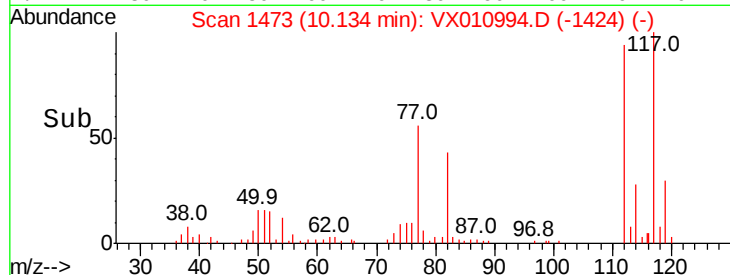
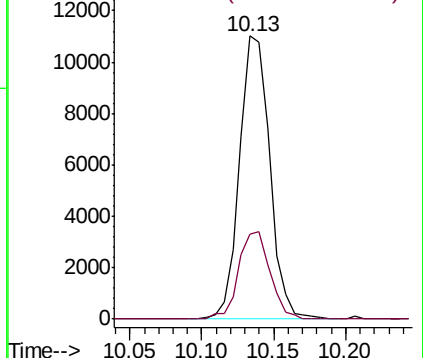
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 2.038 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

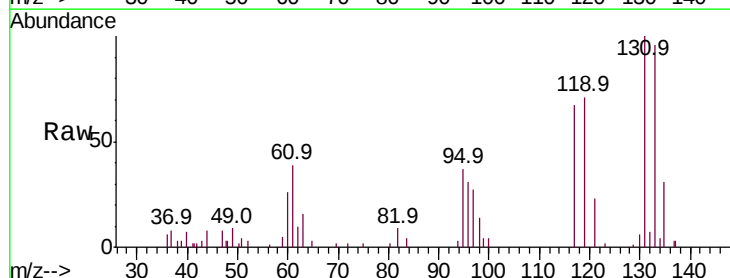
Tgt Ion:131 Resp: 5059

Ion Ratio Lower Upper

131 100

133 94.9 47.1 141.4

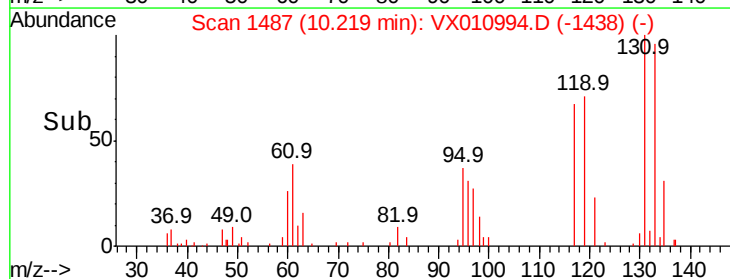
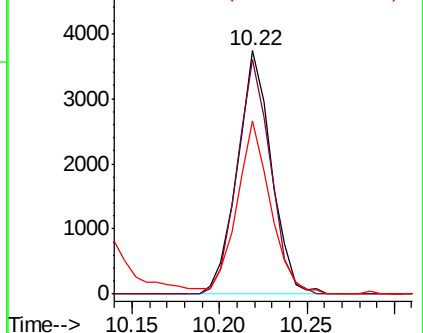
119 70.5 31.9 95.7

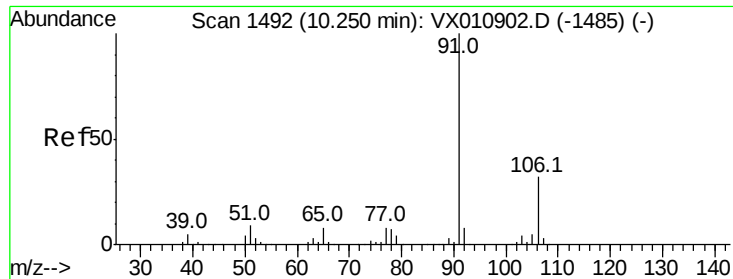


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





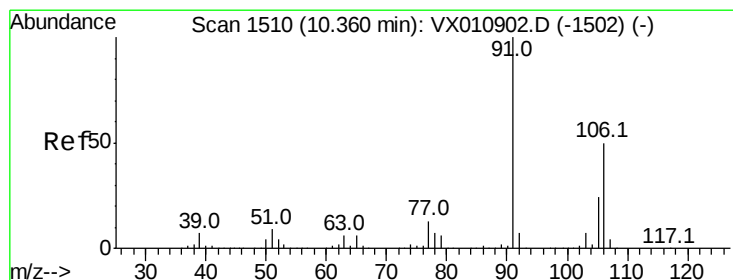
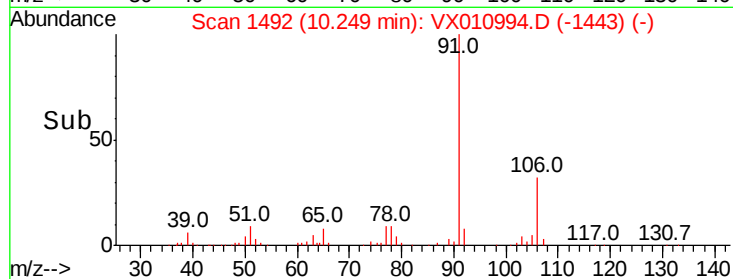
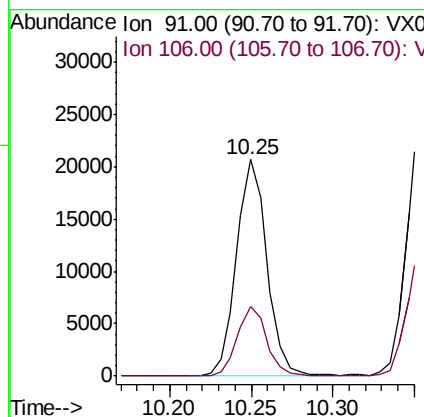
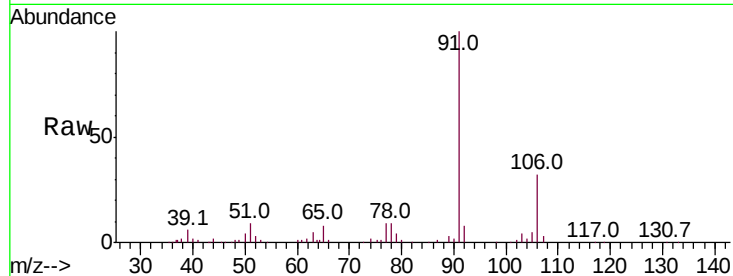
#67
Ethyl Benzene
Concen: 2.244 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 26985
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.2

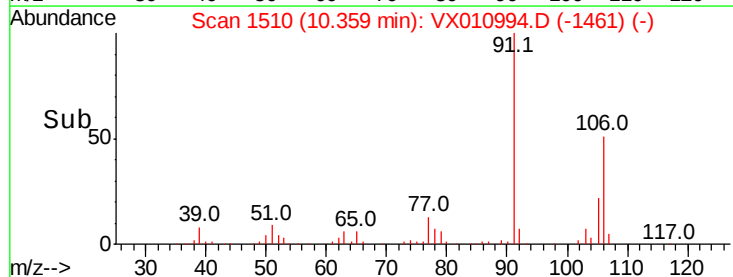
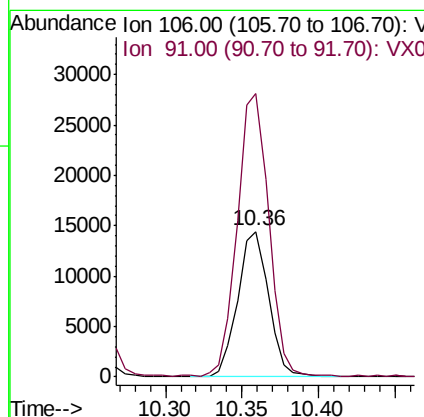
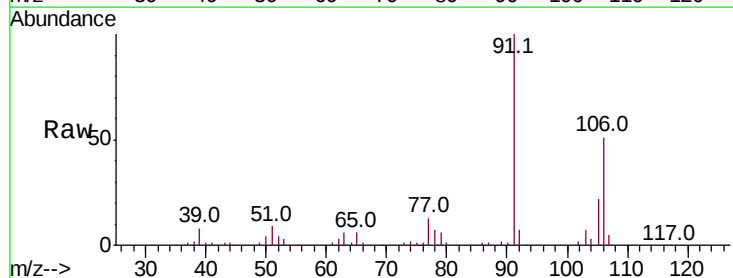
Manual Integrations
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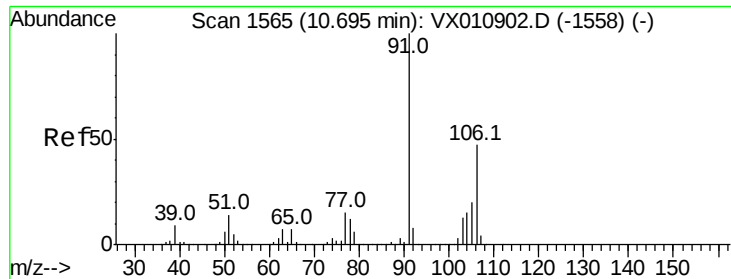
MMDadoda
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#68
m/p-Xylenes
Concen: 4.399 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion: 106 Resp: 20289
Ion Ratio Lower Upper
106 100
91 199.1 160.1 240.1





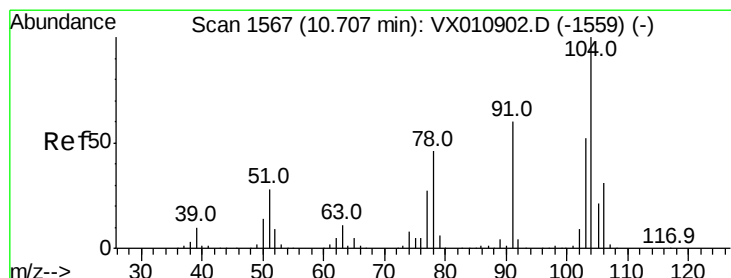
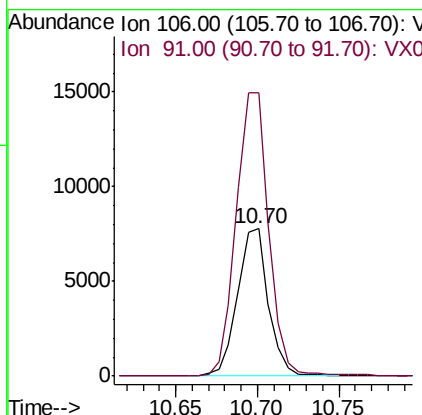
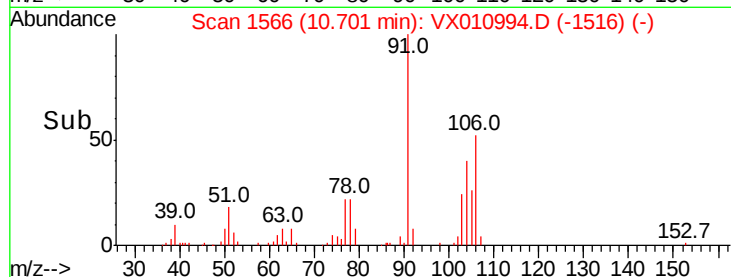
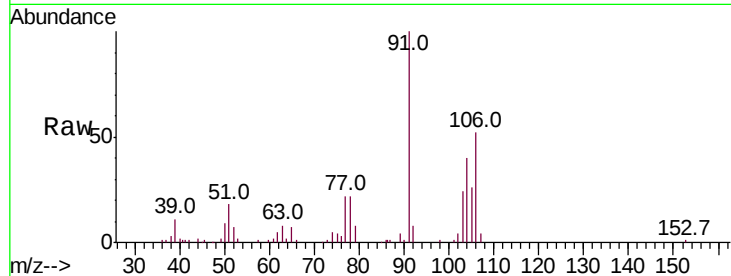
#69
o-Xylene
Concen: 2.279 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:106 Resp: 10257
Ion Ratio Lower Upper
106 100
91 202.3 105.1 315.3

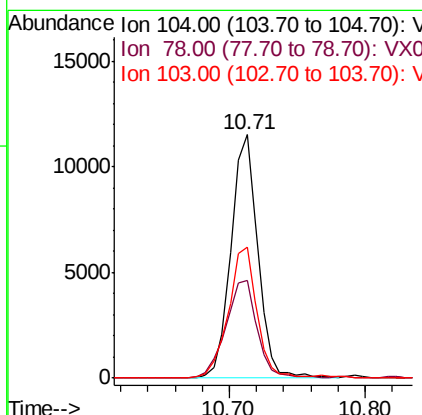
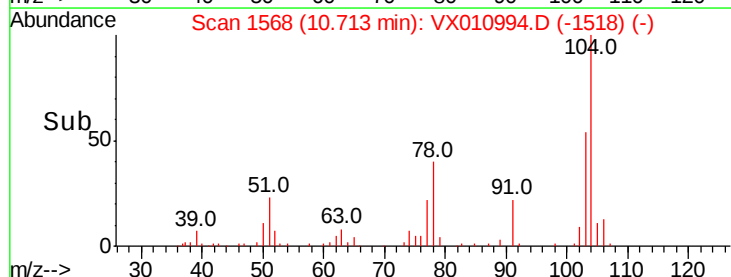
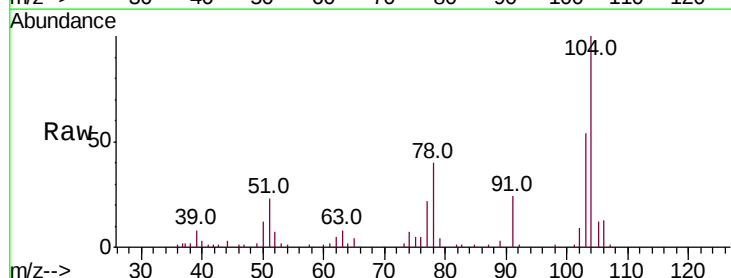
Manual Integrations
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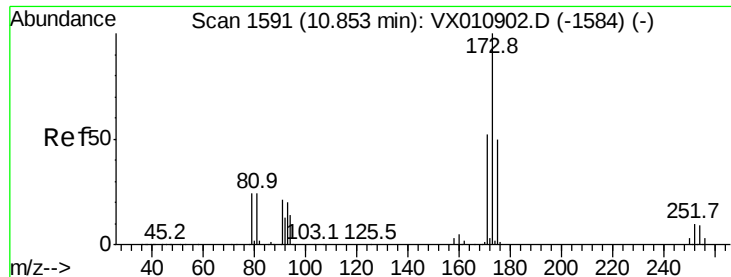
MMDadoda
7/22/2019 5:22:43 PM



#70
Styrene
Concen: 2.110 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion:104 Resp: 15834
Ion Ratio Lower Upper
104 100
78 46.8 38.8 58.2
103 56.9 44.2 66.4





#71

Bromoform

Concen: 1.647 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:173 Resp: 3261

Ion Ratio Lower Upper

173 100

175 50.9 24.6 73.6

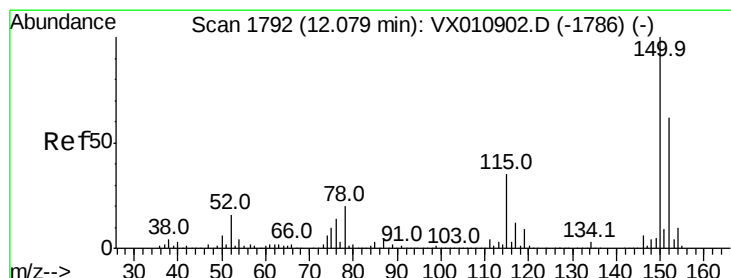
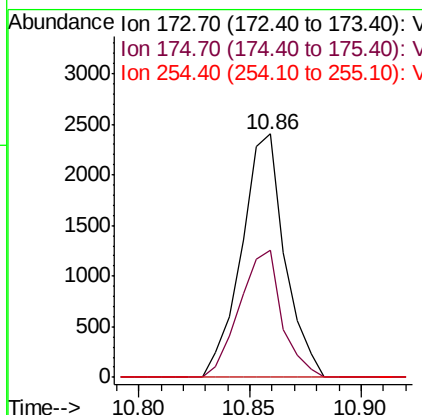
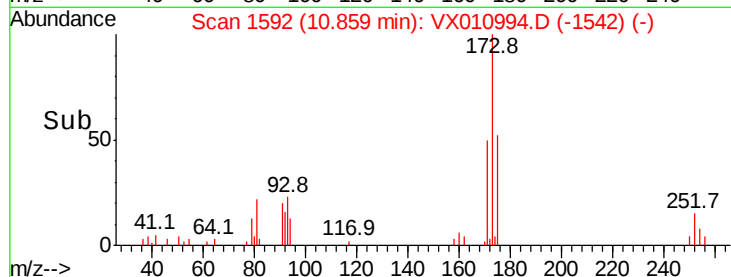
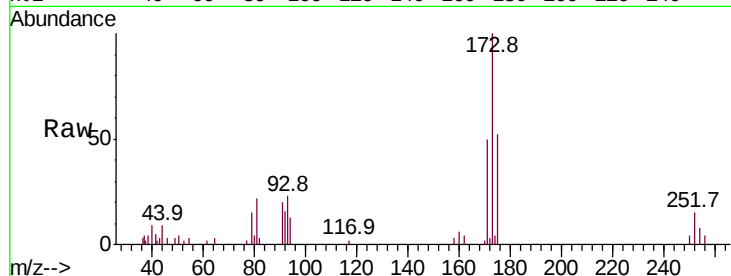
254 0.0 0.1 0.1#

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

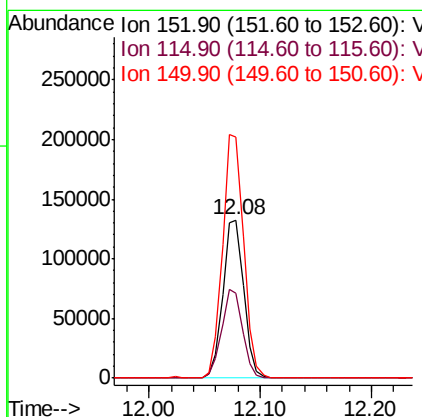
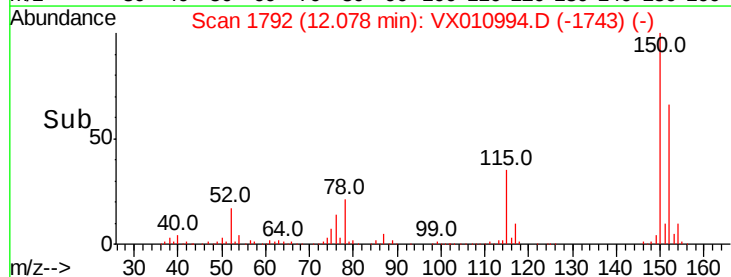
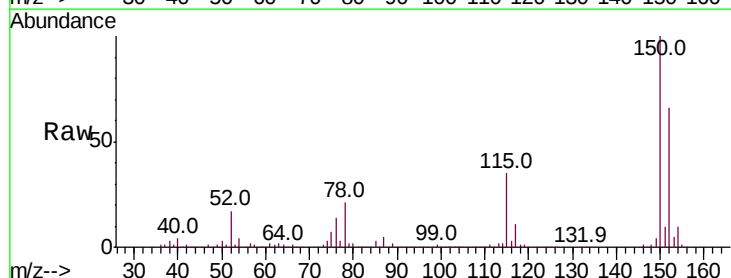
Tgt Ion:152 Resp: 171794

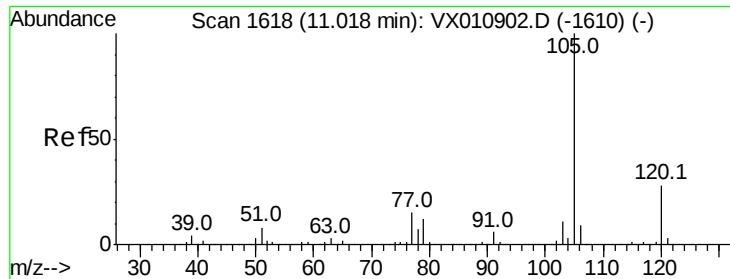
Ion Ratio Lower Upper

152 100

115 56.1 39.7 119.1

150 156.0 0.0 345.6





#73

Isopropylbenzene

Concen: 2.291 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 105 Resp: 26598

Ion Ratio Lower Upper

105 100

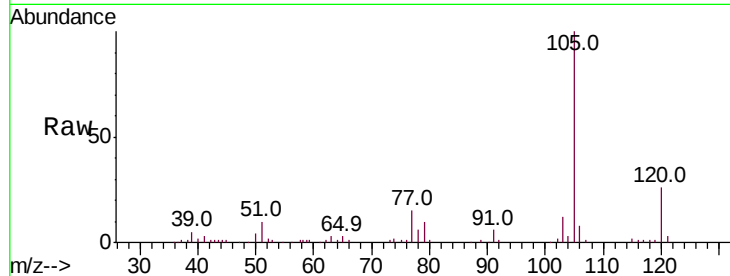
120 26.6 13.7 41.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

15000

10000

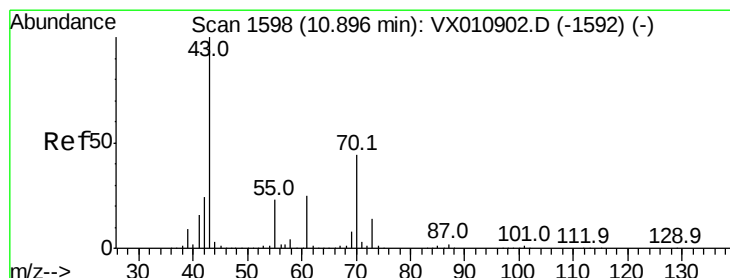
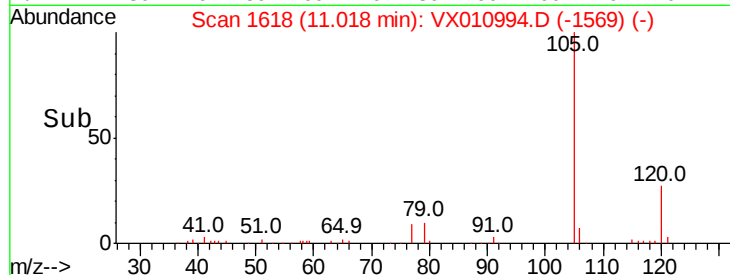
5000

0

Time-->

10.95 11.00 11.05 11.10

11.02



#74

N-amyl acetate

Concen: 2.091 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Tgt Ion: 43 Resp: 9275

Ion Ratio Lower Upper

43 100

70 44.2 34.7 52.1

55 28.3 19.1 28.7

61 24.2 19.9 29.9

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10000

8000

6000

4000

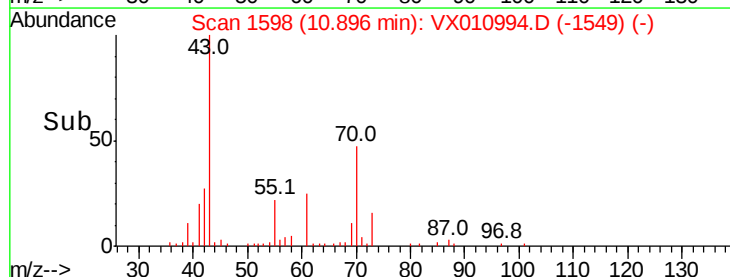
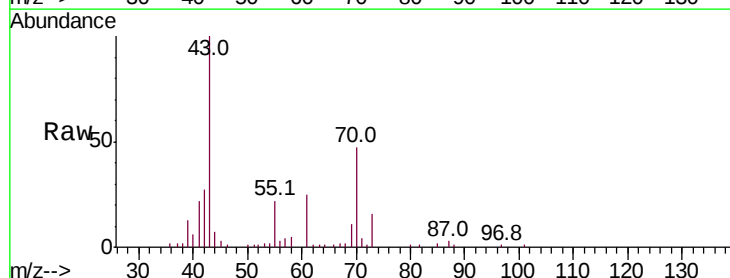
2000

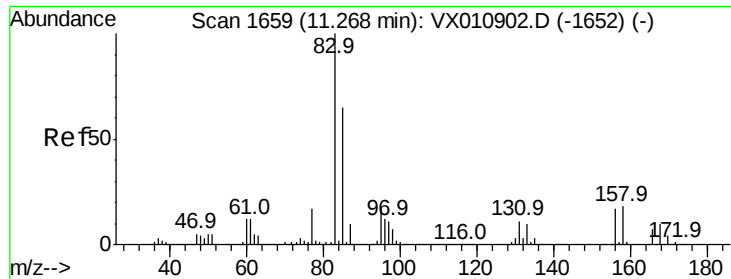
0

Time-->

10.80 10.90 11.00

10.90





#75

1,1,2,2-Tetrachloroethane

Concen: 2.293 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

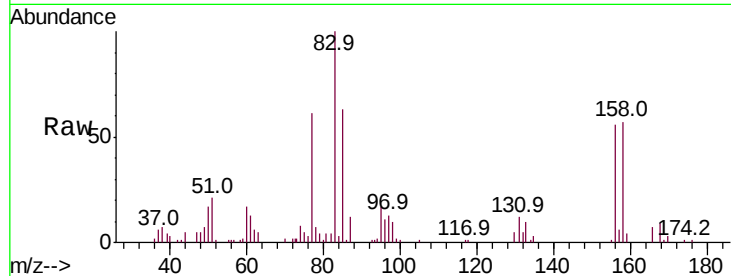
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

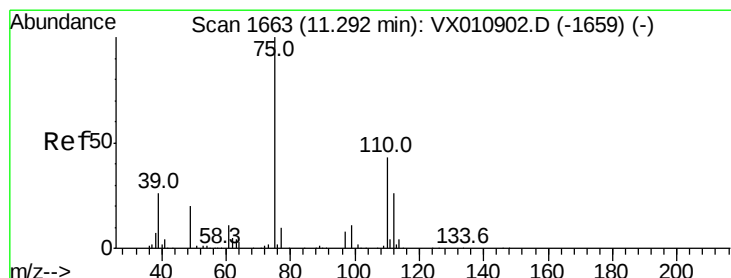
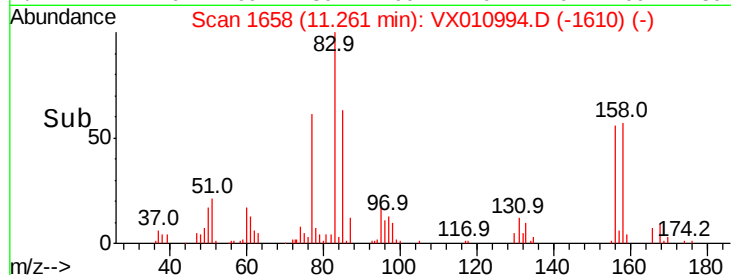
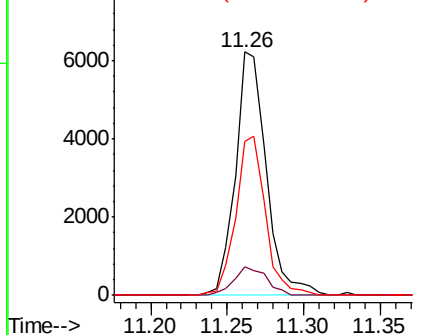
Tot Ion:	83	Resp:	8709
Ion Ratio	Lower	Upper	
83	100		
131	12.4	5.5	16.4
85	62.5	32.3	96.9

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 2.310 ug/l m

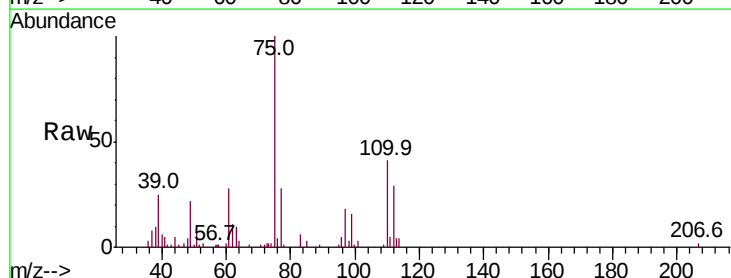
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

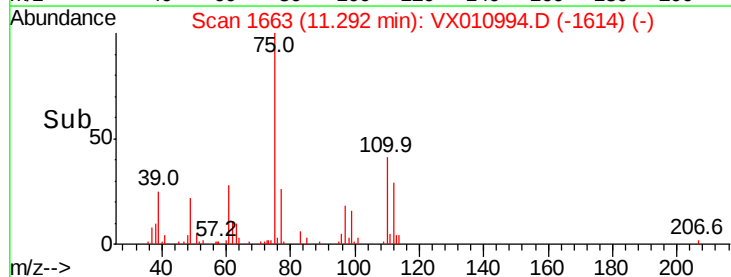
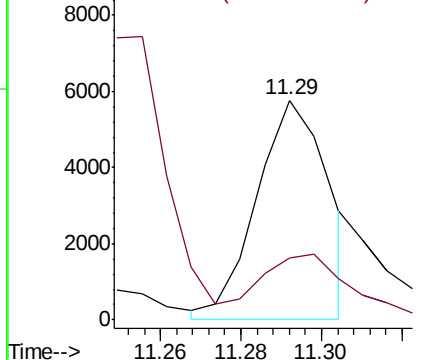
Lab File: VX010994.D

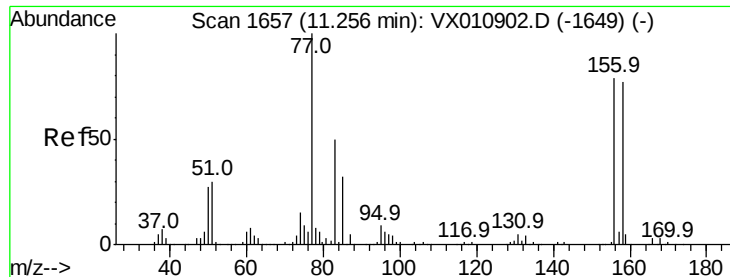
Acq: 19 Jul 2019 11:57

Tgt Ion:	75	Resp:	7162
Ion Ratio	Lower	Upper	
75	100		
77	39.6	21.3	64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 2.266 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

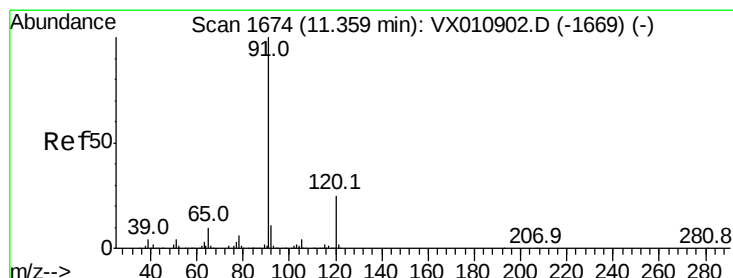
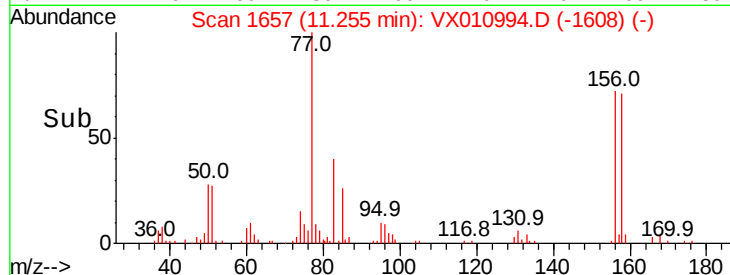
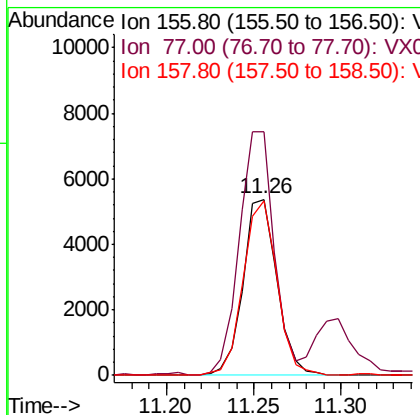
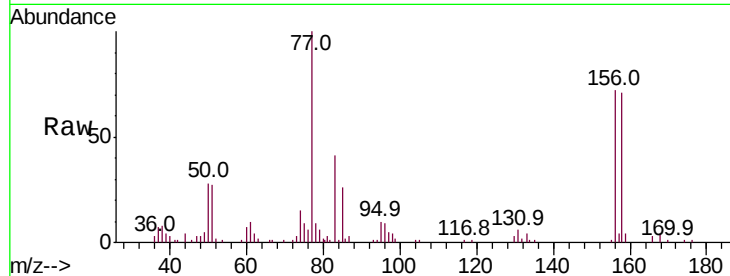
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	156	Resp:	7254
Ion	Ratio	Lower	Upper
156	100		
77	141.8	68.7	206.1
158	98.4	47.9	143.7

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#78

n-propylbenzene

Concen: 2.213 ug/l

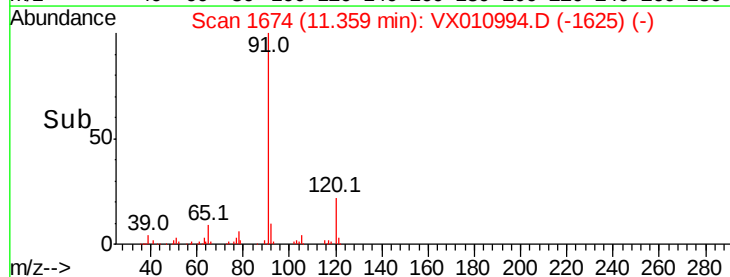
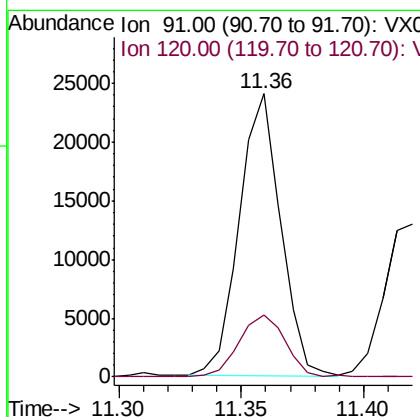
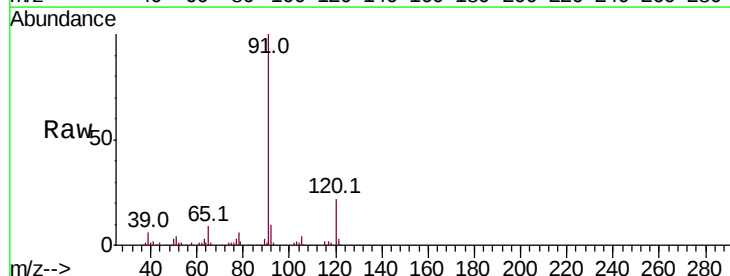
RT: 11.36 min Scan# 1674

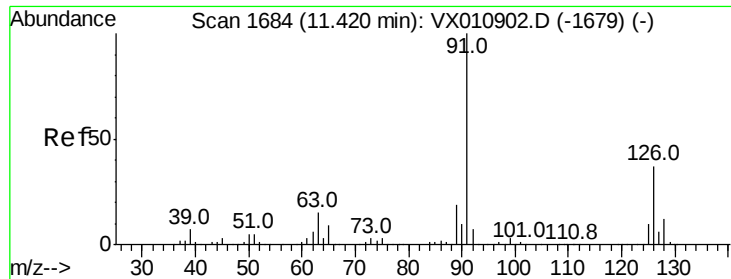
Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Tgt Ion:	91	Resp:	28378
Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.3	36.8





#79

2-Chlorotoluene

Concen: 2.308 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 17780

Ion Ratio Lower Upper

91 100

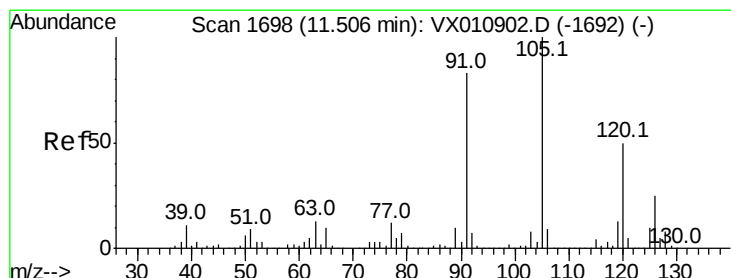
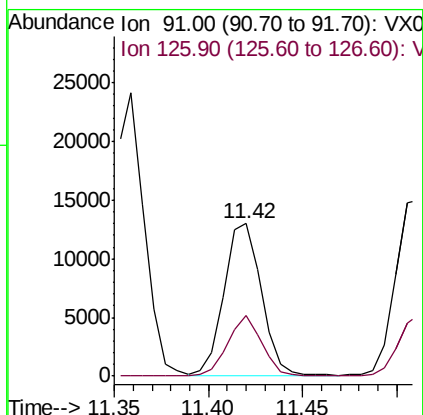
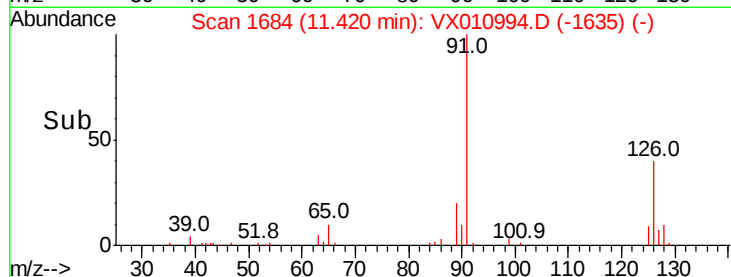
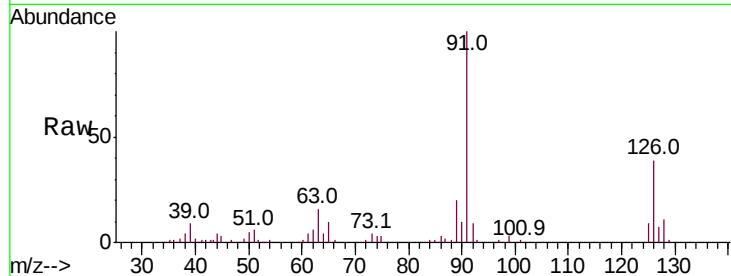
126 36.4 18.0 54.0

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#80

1,3,5-Trimethylbenzene

Concen: 2.198 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010994.D

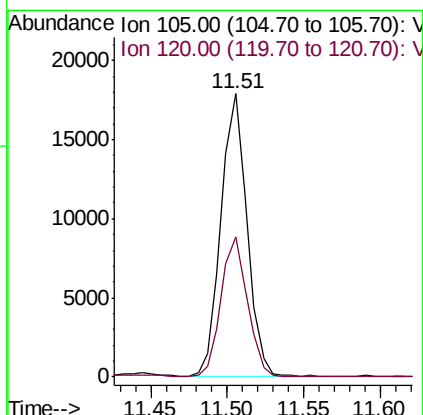
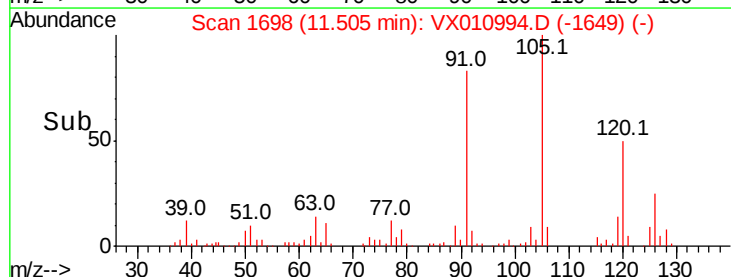
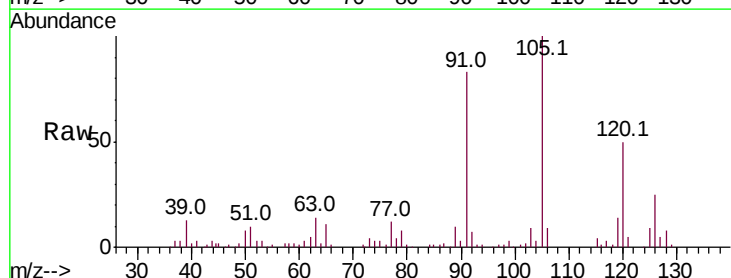
Acq: 19 Jul 2019 11:57

Tgt Ion: 105 Resp: 21321

Ion Ratio Lower Upper

105 100

120 49.8 24.6 73.8





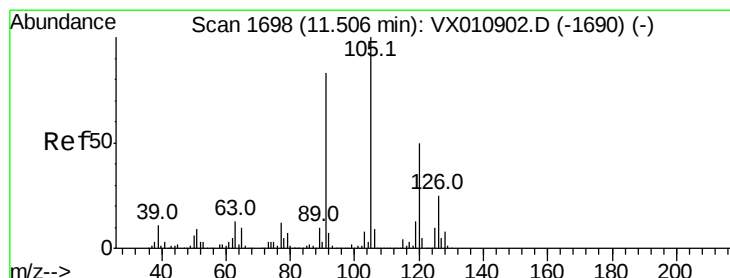
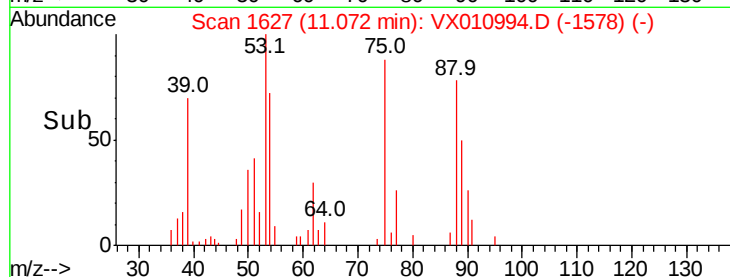
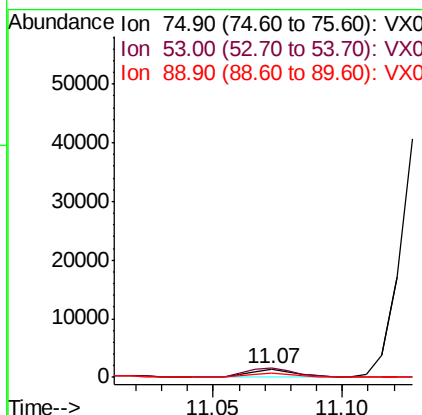
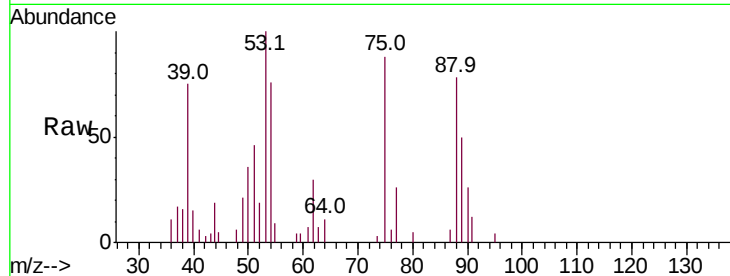
#81
trans-1,4-Dichloro-2-butene
Concen: 1.515 ug/l m
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 75 Resp: 1707
Ion Ratio Lower Upper
75 100
53 11.5 76.7 115.1#
89 0.0 38.5 57.7#

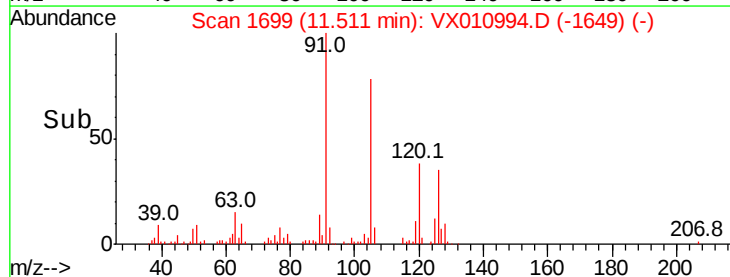
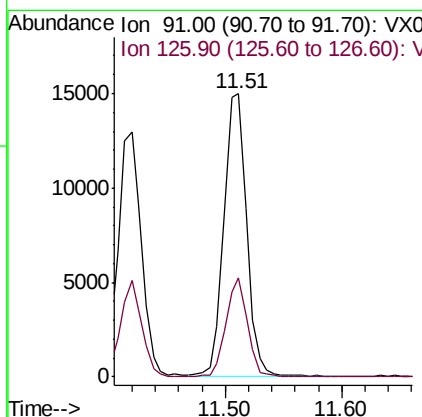
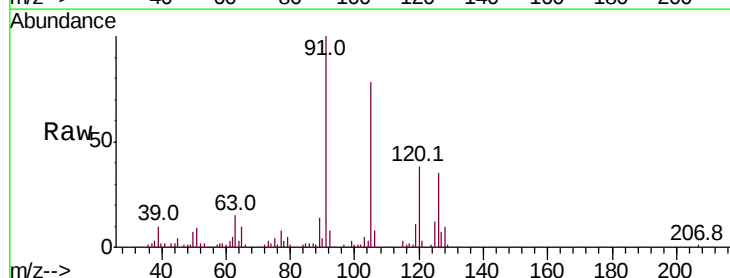
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#82
4-Chlorotoluene
Concen: 2.276 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion: 91 Resp: 20411
Ion Ratio Lower Upper
91 100
126 32.5 15.9 47.7





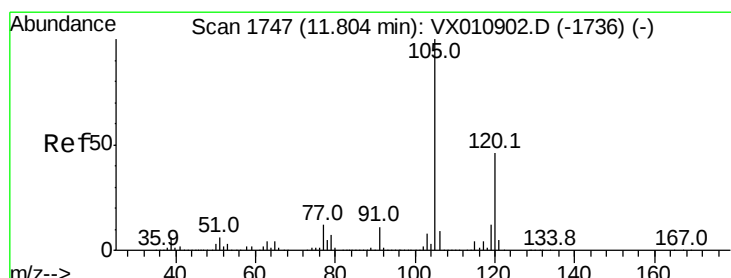
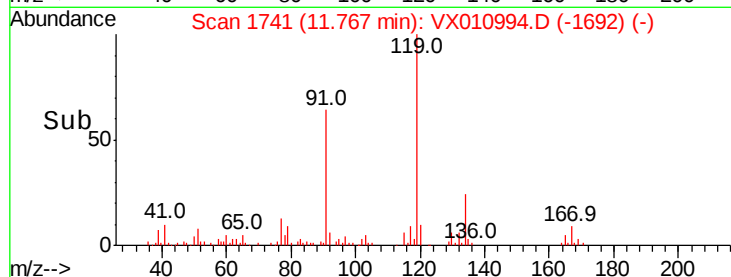
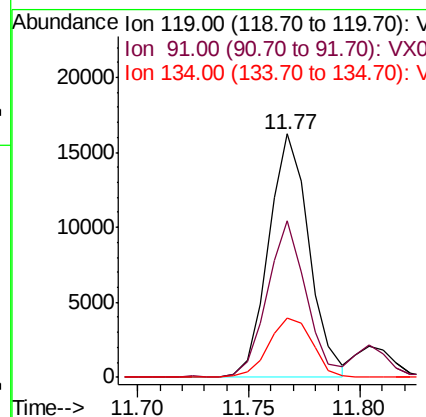
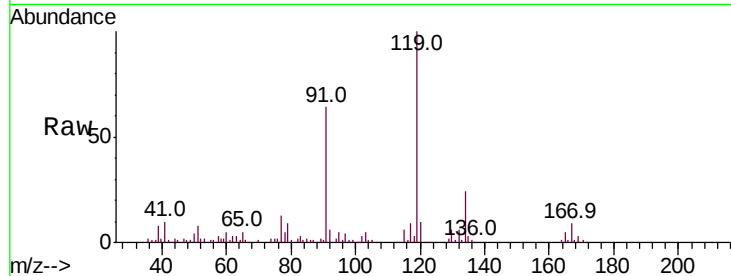
#83
tert-Butylbenzene
Concen: 2.148 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	28.6	85.8
134	26.3	11.6	34.8

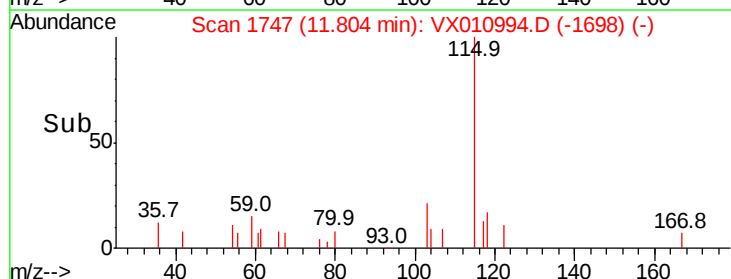
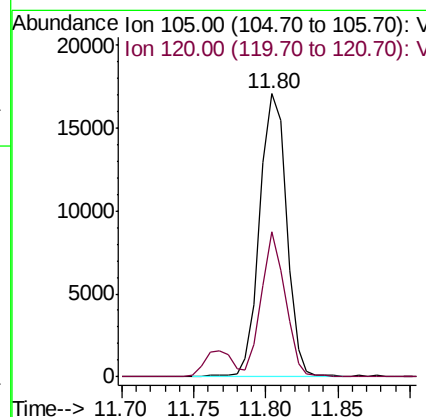
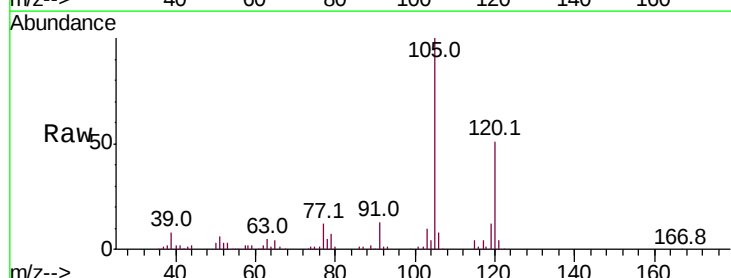
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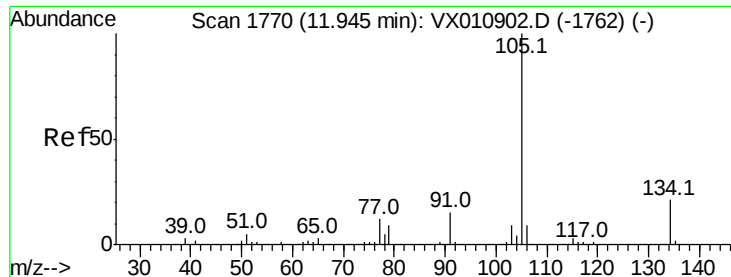
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#84
1,2,4-Trimethylbenzene
Concen: 2.247 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.9	68.5





#85

sec-Butylbenzene

Concen: 2.206 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:105 Resp: 24630

Ion Ratio Lower Upper

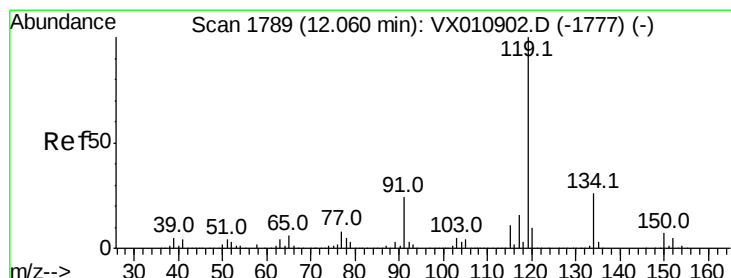
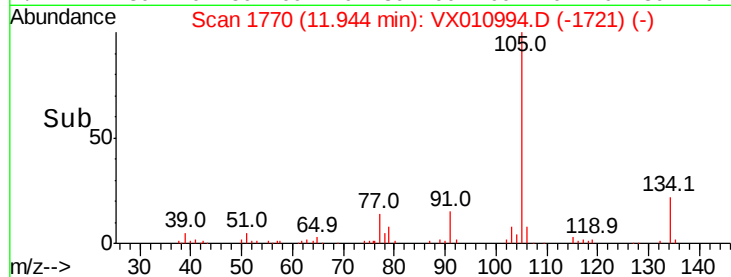
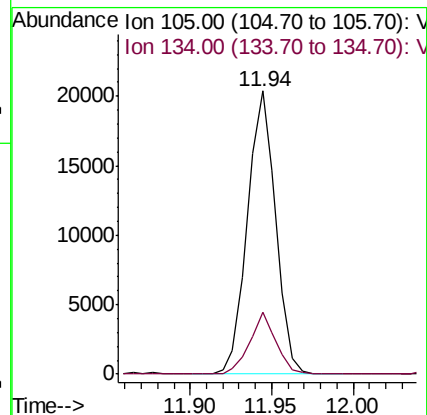
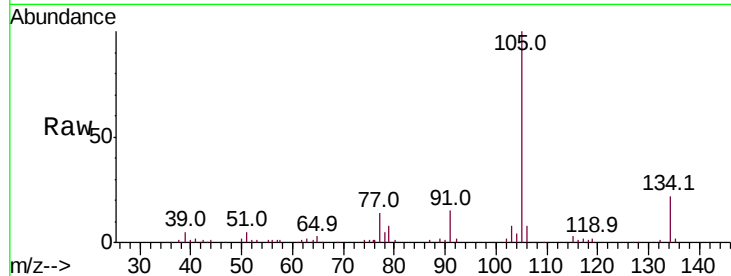
105 100

134 20.2 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 2.104 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

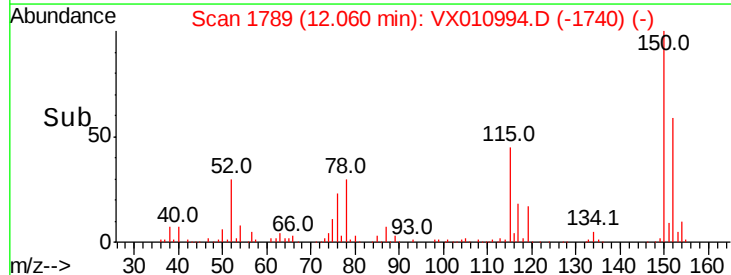
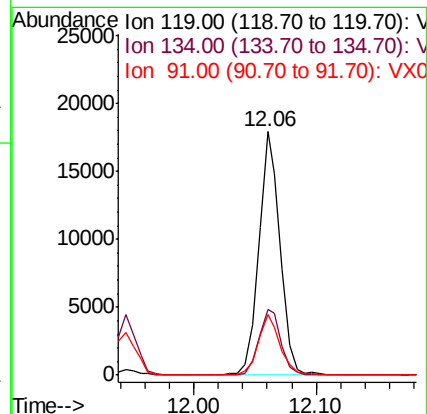
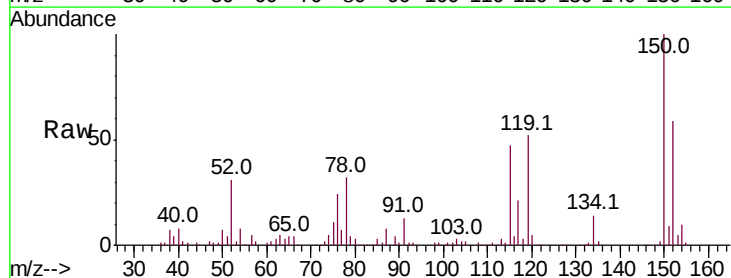
Tgt Ion:119 Resp: 21712

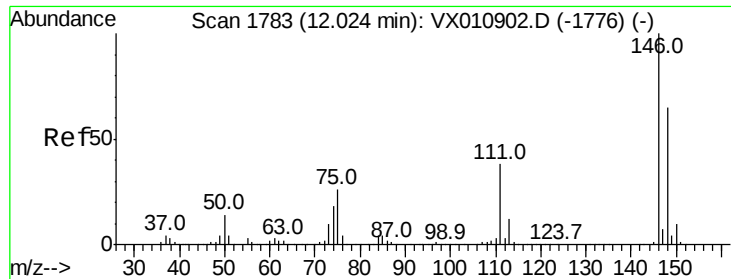
Ion Ratio Lower Upper

119 100

134 28.1 13.4 40.1

91 25.7 11.8 35.4





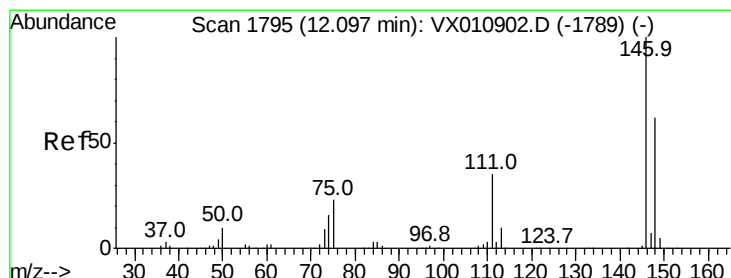
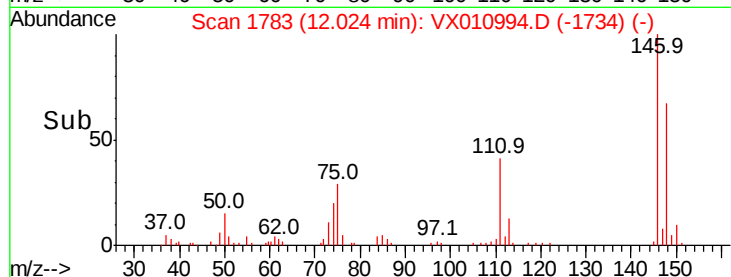
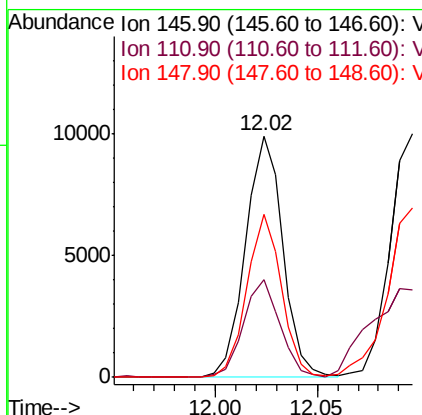
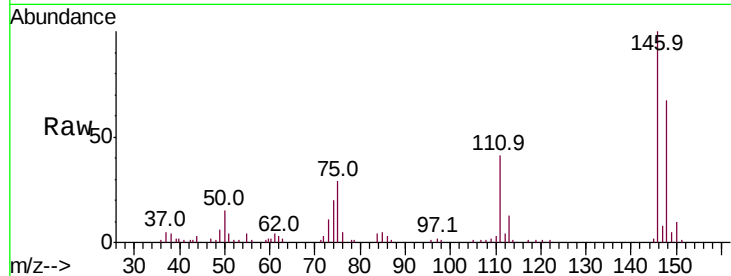
#87
 1,3-Dichlorobenzene
 Concen: 2.265 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010994.D
 Acq: 19 Jul 2019 11:57

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.9	56.9
148	63.0	32.2	96.6

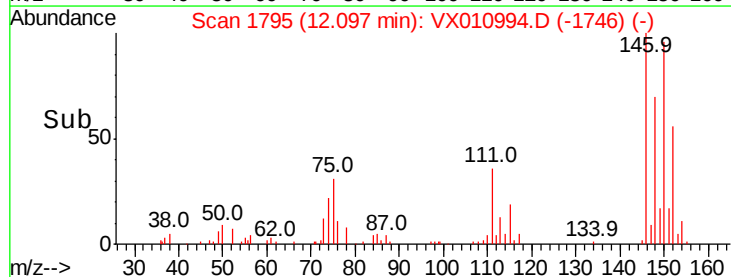
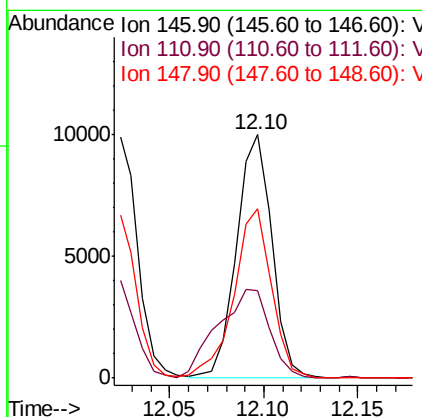
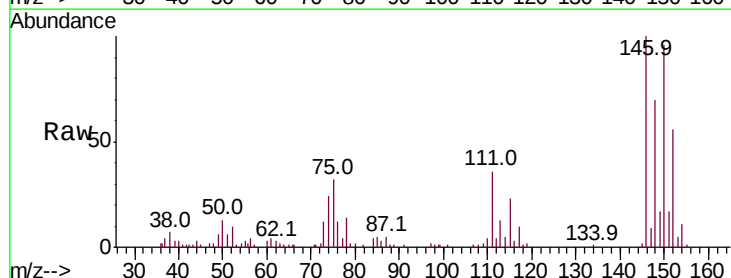
Manual Integrations
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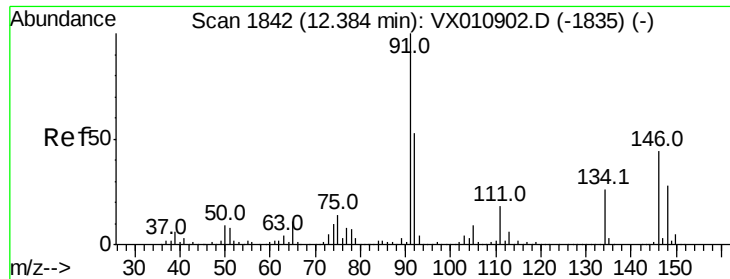
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#88
 1,4-Dichlorobenzene
 Concen: 2.280 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010994.D
 Acq: 19 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.4	18.6	55.8
148	74.0	31.6	94.7





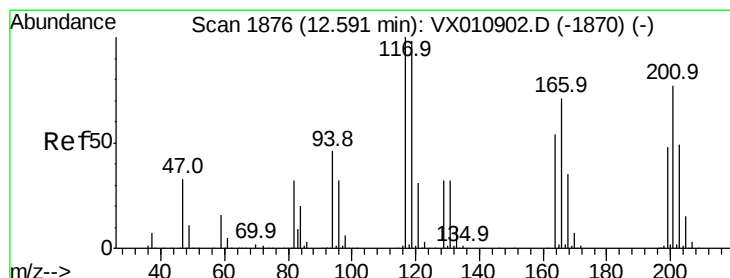
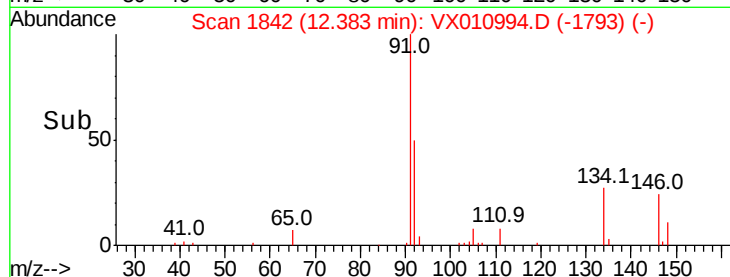
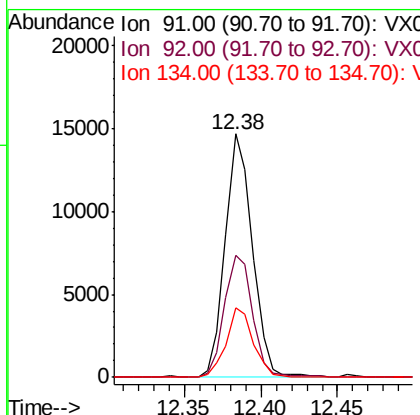
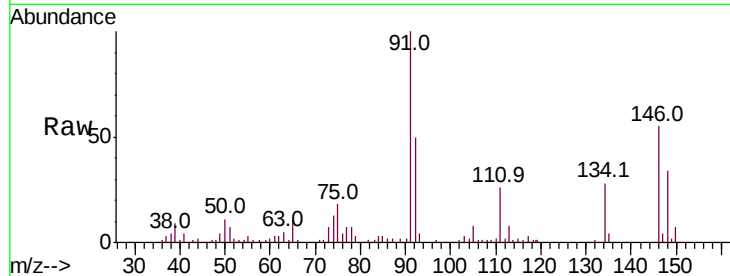
#89
n-Butylbenzene
Concen: 2.058 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	28.2	13.8	41.3

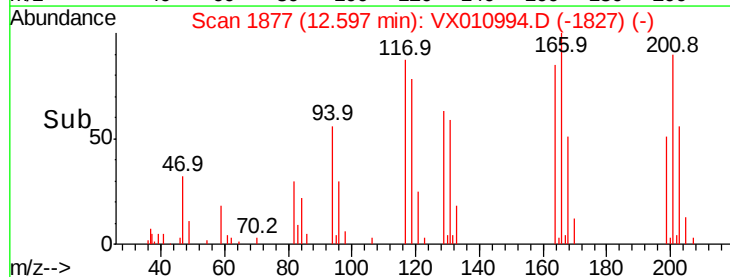
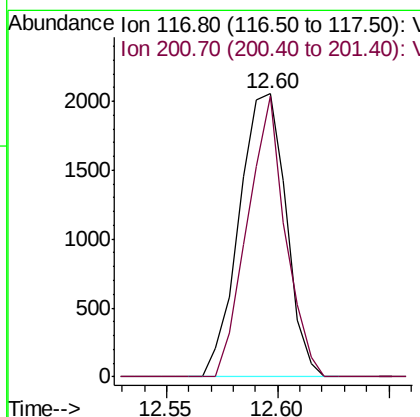
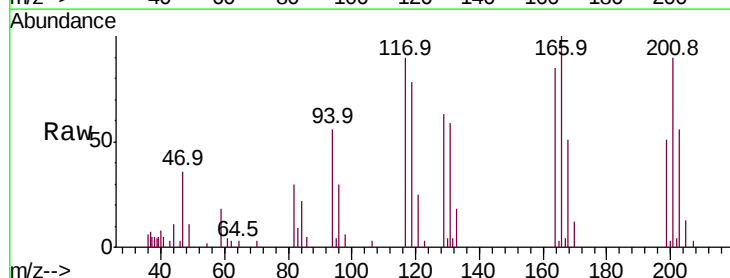
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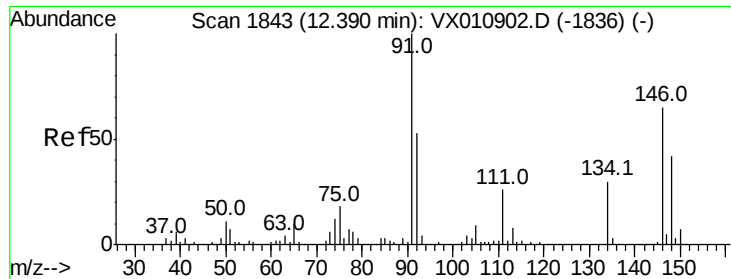
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#90
Hexachloroethane
Concen: 1.848 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	43.3	129.8





#91

1,2-Dichlorobenzene

Concen: 2.372 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Instrument :

MSVOA_X

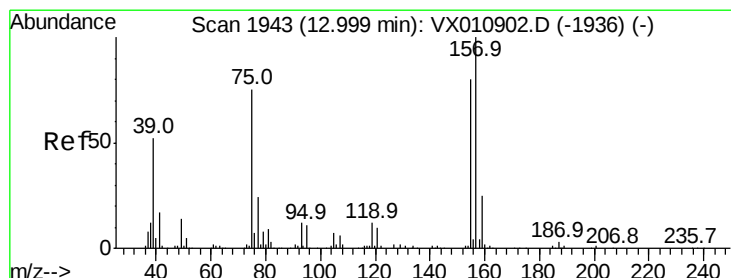
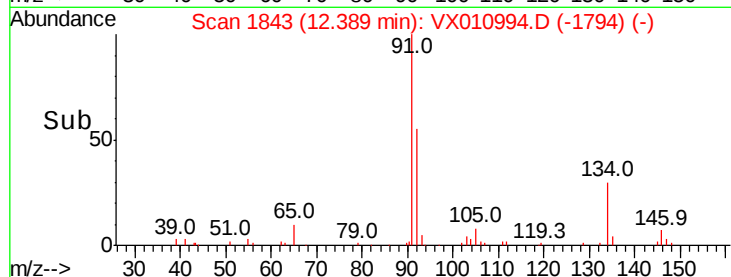
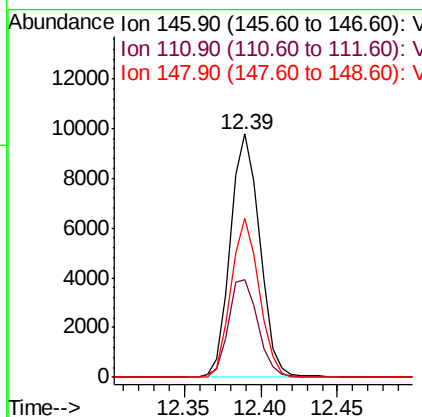
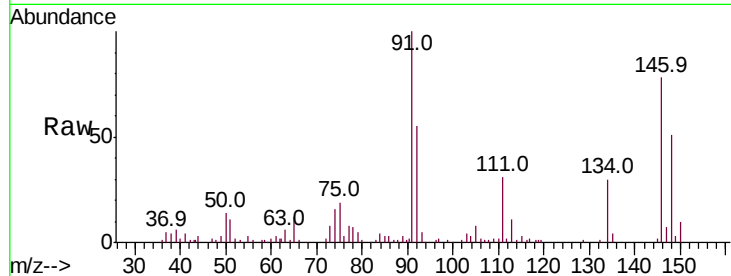
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	146	Resp:	13063
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.9	59.7
148	62.0	32.0	96.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 2.028 ug/l

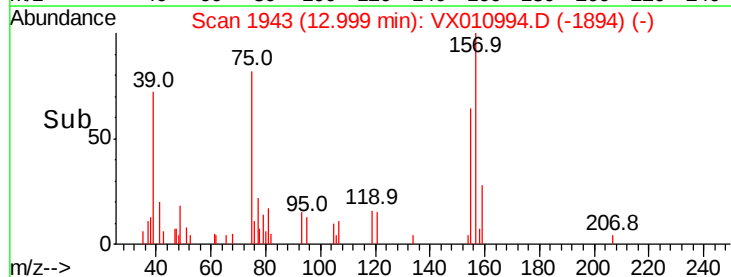
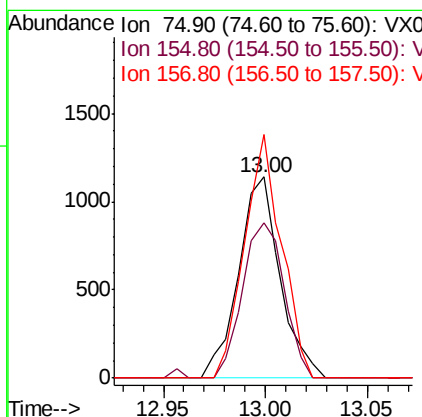
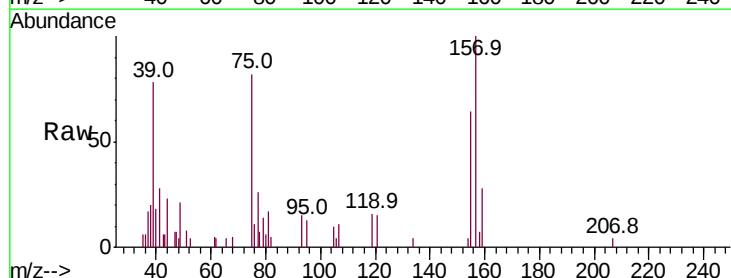
RT: 13.00 min Scan# 1943

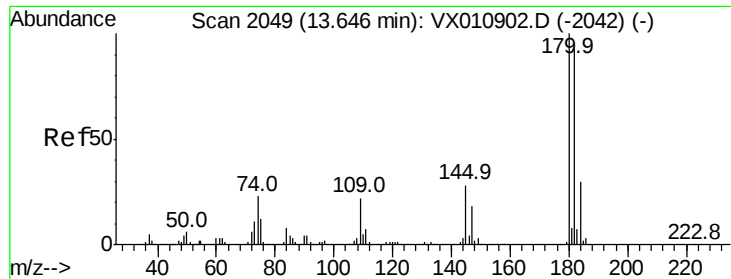
Delta R.T. -0.00 min

Lab File: VX010994.D

Acq: 19 Jul 2019 11:57

Tgt Ion:	75	Resp:	1610
Ion Ratio	Lower	Upper	
75	100		
155	77.8	48.7	146.1
157	107.9	62.5	187.6





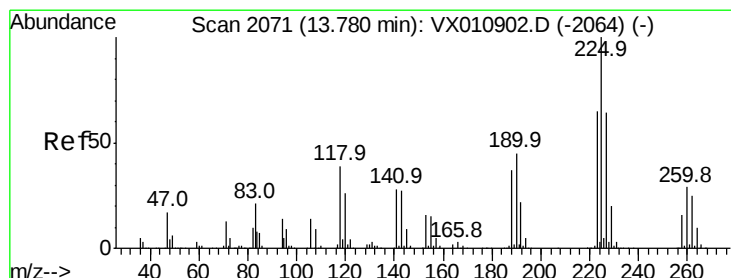
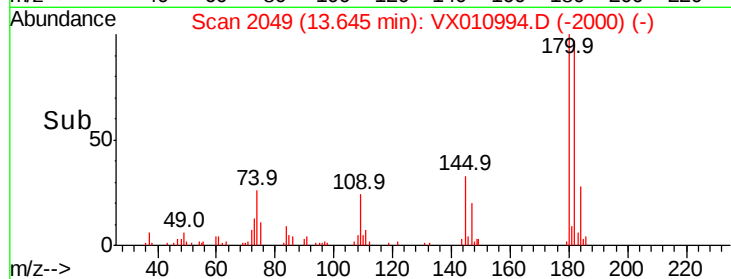
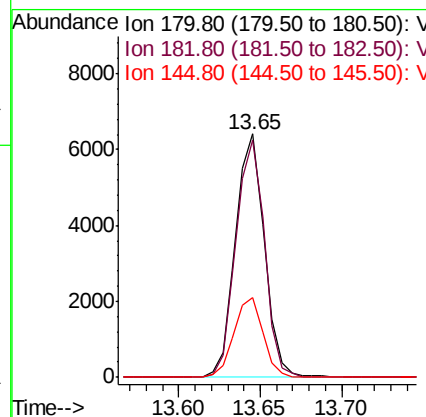
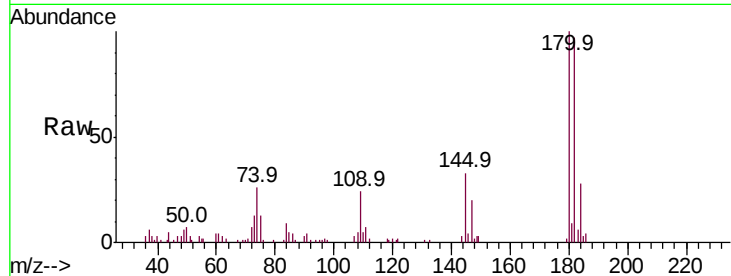
#93
 1,2,4-Trichlorobenzene
 Concen: 2.129 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010994.D
 Acq: 19 Jul 2019 11:57

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion:	180	Resp:	7947
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.1	141.3
145	32.9	14.8	44.4

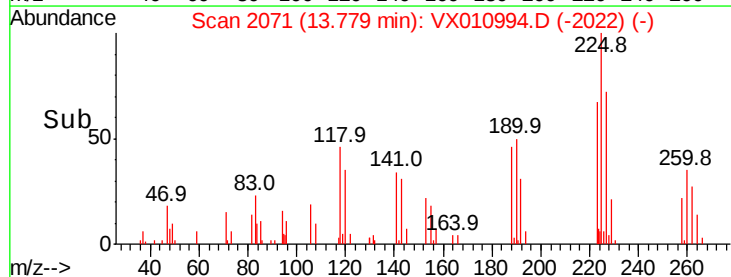
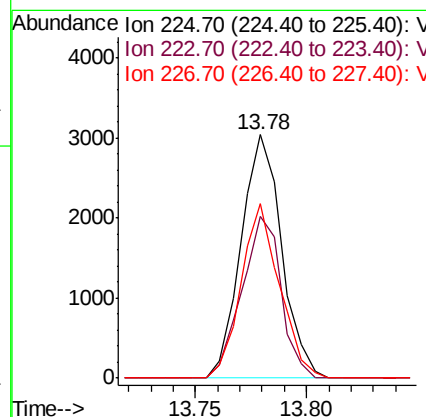
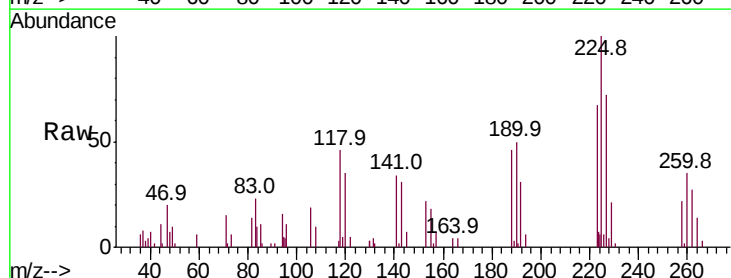
Manual Integrations
 APPROVED

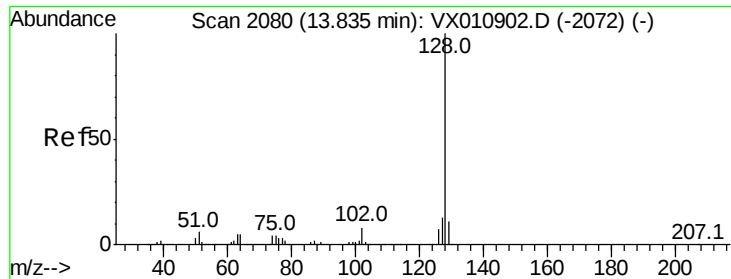
MMDadoda
 7/22/2019 5:22:43 PM



#94
 Hexachlorobutadiene
 Concen: 2.082 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010994.D
 Acq: 19 Jul 2019 11:57

Tgt Ion:	225	Resp:	3850
Ion Ratio	Lower	Upper	
225	100		
223	64.2	31.9	95.9
227	68.0	32.5	97.4





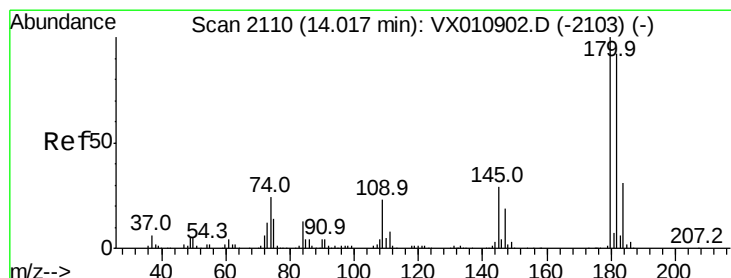
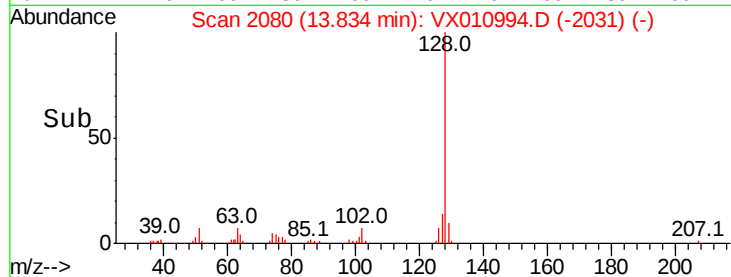
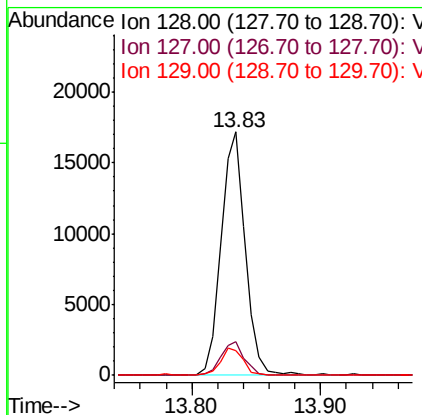
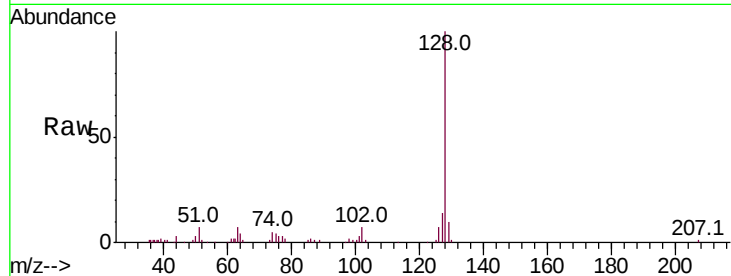
#95
Naphthalene
Concen: 2.056 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/22/2019 5:22:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.173 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010994.D
Acq: 19 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.3
145	31.9	15.1	45.3

