

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030620\
 Data File : VX015124.D
 Acq On : 06 Mar 2020 14:09
 Operator : JC/SP
 Sample : L1161-07 5.0PPB L00
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 LOD-MDL-WATER-01-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:36:47 AM

Quant Time: Mar 07 01:08:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	60467	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	309168	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	286622	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	128203	30.49	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.63%
60) 4-Bromofluorobenzene	11.13	95	130688	29.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.60%
63) Toluene-d8	8.71	98	382794	30.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	14773	5.471	ug/l 97
3) Chloromethane	1.32	50	23155	6.632	ug/l 97
4) Vinyl Chloride	1.40	62	21171	5.634	ug/l 90
5) Bromomethane	1.64	94	13329	5.065	ug/l 90
6) Chloroethane	1.72	64	13405	5.326	ug/l 90
7) Trichlorofluoromethane	1.92	101	26824	4.905	ug/l 99
8) Diethyl Ether	2.18	74	11084	4.818	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	17858	5.648	ug/l 95
10) 1,1-Dichloroethene	2.37	96	18241	5.739	ug/l 97
11) Methyl Iodide	2.50	142	12634	3.271	ug/l 97
12) Methyl Acetate	2.77	43	23257	5.880	ug/l 98
13) Acrolein	2.28	56	16227	20.628	ug/l 94
14) Acrylonitrile	3.14	53	44827	25.094	ug/l 99
15) Acetone	2.43	58	12661	19.805	ug/l 92
16) Carbon Disulfide	2.56	76	44645	5.224	ug/l 99
17) Allyl chloride	2.72	41	28408	5.138	ug/l 95
18) Methylene Chloride	2.85	84	18943	5.172	ug/l 97
19) trans-1,2-Dichloroethene	3.16	96	17958	5.144	ug/l 97
20) Diisopropyl ether	3.84	45	59022	5.227	ug/l # 77
21) 1,1-Dichloroethane	3.69	63	32521	5.254	ug/l 98
22) cis-1,2-Dichloroethene	4.58	96	21326	5.338	ug/l 95
23) tert-Butyl Alcohol	3.03	59	20215	28.548	ug/l # 99
24) Methyl tert-Butyl Ether	3.19	73	53142	5.025	ug/l 96
25) Chloroform	5.20	83	33081	5.299	ug/l 99
26) Cyclohexane	5.58	56	28516	5.154	ug/l # 94
29) 1,1-Dichloropropene	5.79	75	23900	5.465	ug/l 97
30) 2-Butanone	4.67	43	60339	23.905	ug/l 100
31) 2,2-Dichloropropane	4.58	77	25925	5.399	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	27879	5.614	ug/l 95
33) Carbon Tetrachloride	5.78	117	23054	5.303	ug/l 89
34) Benzene	6.14	78	72802	5.517	ug/l 96
35) Methacrylonitrile	5.03	41	14976m	5.816	ug/l
36) 1,2-Dichloroethane	6.19	62	26350	5.642	ug/l 98
37) Trichloroethene	7.21	130	20602	5.561	ug/l 95
38) Methylcyclohexane	7.46	83	27283	5.033	ug/l 98
39) 1,2-Dichloropropane	7.51	63	19720	5.806	ug/l 96
40) Dibromomethane	7.65	93	13028	5.744	ug/l 97

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

41) Bromodichloromethane	7.89	83	22826	5.095	ug/l	97
42) Vinyl Acetate	3.81	43	233369	26.267	ug/l	100
43) Ethyl Acetate	4.83	43	24187	5.296	ug/l	97
44) Isopropyl Acetate	6.44	43	39511	5.146	ug/l	98
45) 1,4-Dioxane	7.74	88	8415	118.618	ug/l #	91
46) Methyl methacrylate	7.76	41	18031	4.747	ug/l	98
47) n-amyl Acetate	10.89	43	29344	4.412	ug/l	96
48) t-1,3-Dichloropropene	9.04	75	23648	4.758	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	27567	5.038	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	18934	5.603	ug/l	95
51) Ethyl methacrylate	9.17	69	24452	4.689	ug/l	95
52) 1,3-Dichloropropane	9.37	76	31051	5.432	ug/l	96
53) Dibromochloromethane	9.57	129	18132	4.963	ug/l	99
54) 1,2-Dibromoethane	9.67	107	19109	5.327	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	66957	24.102	ug/l	99
56) Bromoform	10.85	173	12927	4.514	ug/l	94
58) 4-Methyl-2-Pentanone	8.64	43	120411	25.634	ug/l	98
59) 2-Hexanone	9.48	43	85487	23.292	ug/l	99
61) Tetrachloroethene	9.33	164	20026	5.202	ug/l	92
62) Toluene	8.78	91	79093	5.387	ug/l	99
64) Chlorobenzene	10.14	112	49051	5.234	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.21	131	17140	4.938	ug/l	97
66) Ethyl Benzene	10.25	91	80421	4.973	ug/l	99
67) m/p-Xylenes	10.36	106	62885	10.084	ug/l	97
68) o-Xylene	10.70	106	29511	4.891	ug/l	98
69) Styrene	10.71	104	48165	4.674	ug/l	99
70) Isopropylbenzene	11.01	105	78463	4.895	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	26868	5.206	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	22175m	5.180	ug/l	
73) Bromobenzene	11.25	156	22139	5.112	ug/l	96
74) n-propylbenzene	11.35	91	90480	4.960	ug/l	98
75) 2-Chlorotoluene	11.42	91	55048	5.106	ug/l	96
76) 1,3,5-Trimethylbenzene	11.50	105	65282	4.860	ug/l	97
77) t-1,4-Dichloro-2-butene	11.07	75	6681	3.871	ug/l	82
78) 4-Chlorotoluene	11.51	91	62286	4.995	ug/l	99
79) tert-butylbenzene	11.77	119	62307	4.801	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	63887	4.784	ug/l	98
81) sec-Butylbenzene	11.94	105	73663	4.740	ug/l	98
82) p-Isopropyltoluene	12.06	119	68294	4.730	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	38146	5.025	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	39499	5.167	ug/l	97
85) n-Butylbenzene	12.39	91	57027	4.539	ug/l	96
86) Hexachloroethane	12.59	117	12302	4.714	ug/l	88
87) 1,2-Dichlorobenzene	12.39	146	38733	5.127	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	4640	4.128	ug/l	89
89) 1,2,4-Trichlorobenzene	13.64	180	24845	4.573	ug/l	98
90) Hexachlorobutadiene	13.78	225	13152	4.875	ug/l	93
91) Naphthalene	13.83	128	64137	4.170	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	25192	4.671	ug/l	100

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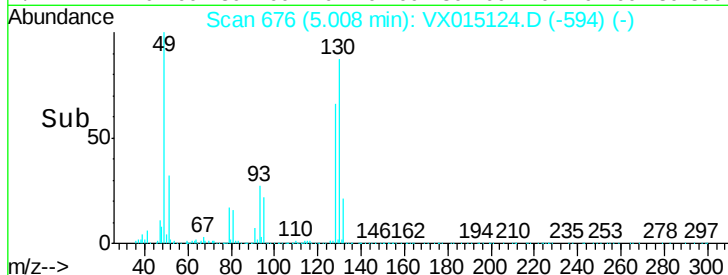
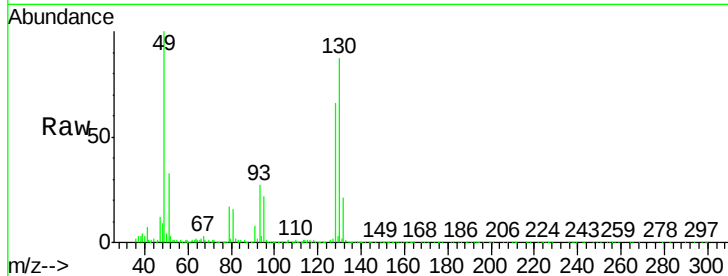
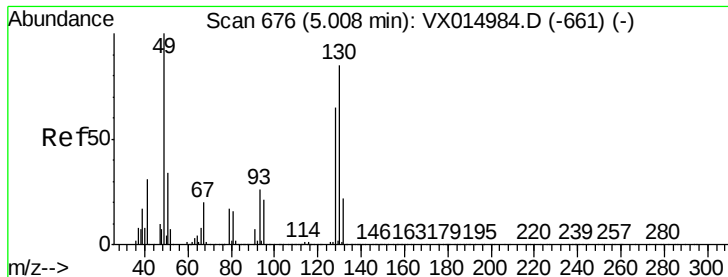
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



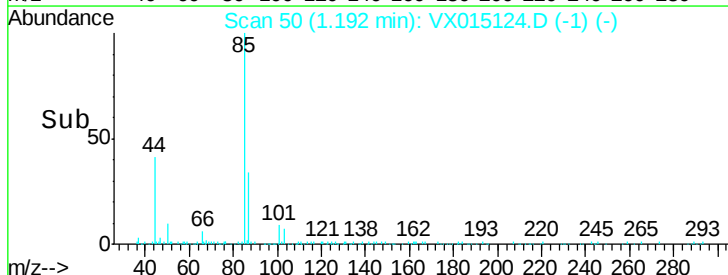
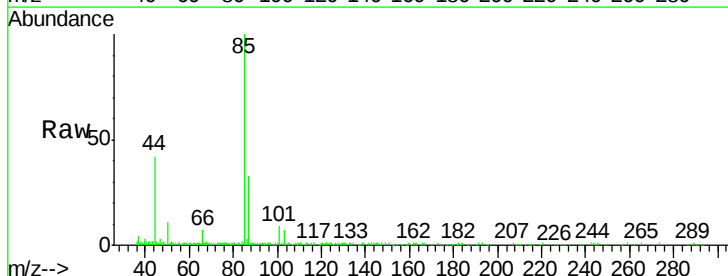
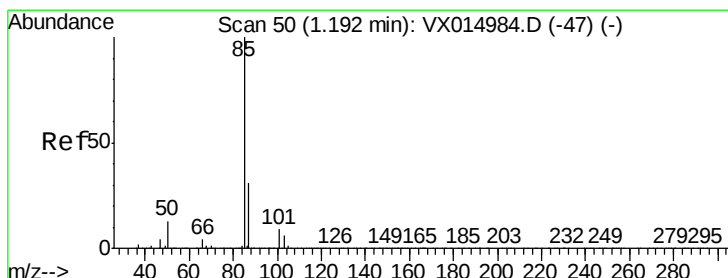
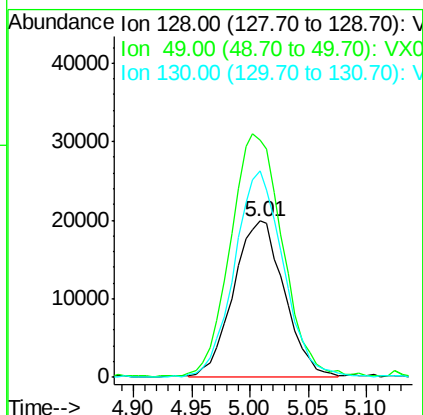
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tot Ion	Ratio	Lower	Upper
128	100		
49	156.4	0.0	384.7
130	127.6	0.0	330.8

Instrument :
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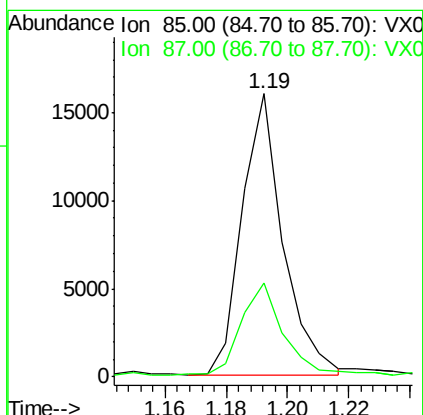
Manual Integrations
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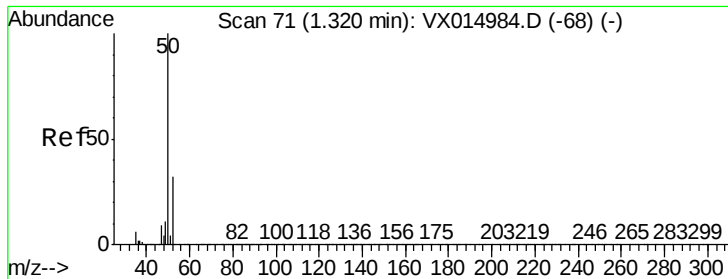
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#2
Dichlorodifluoromethane
Concen: 5.471 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.3	45.9





#3

Chloromethane

Concen: 6.632 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 50 Resp: 23155

Ion Ratio Lower Upper

50 100

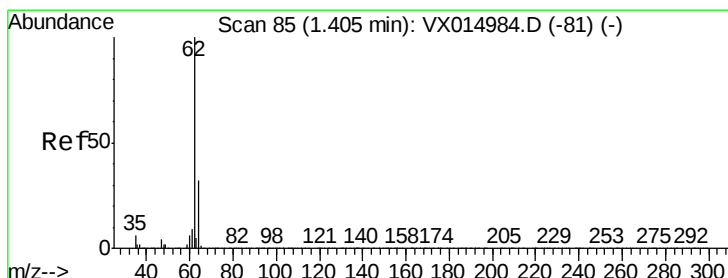
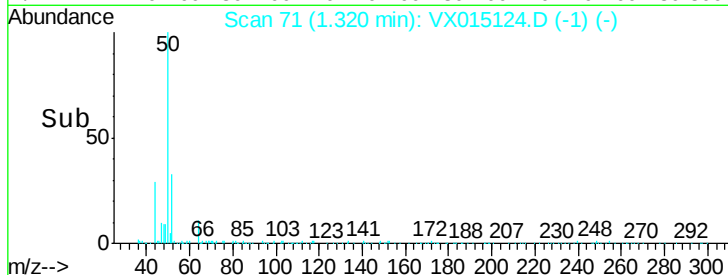
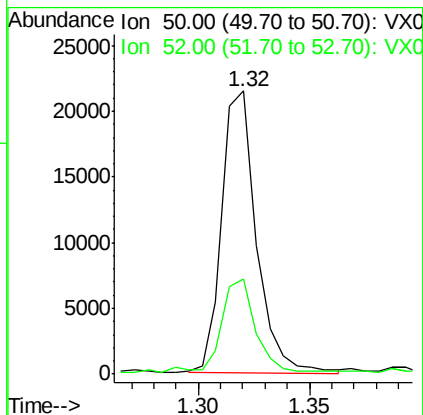
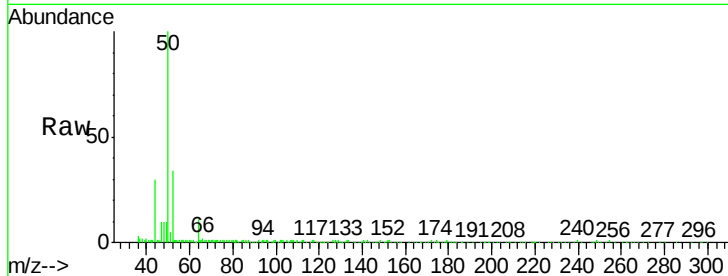
52 33.3 25.4 38.0

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#4

Vinyl Chloride

Concen: 5.634 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.01 min

Lab File: VX015124.D

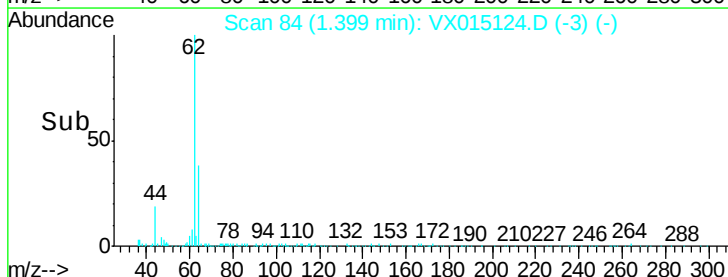
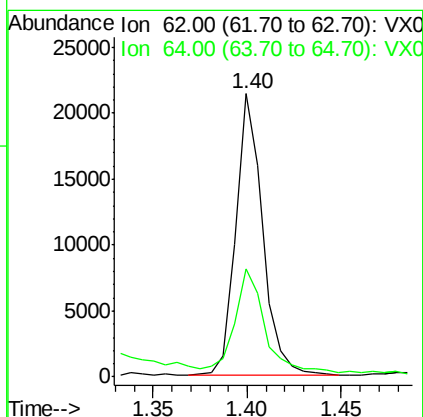
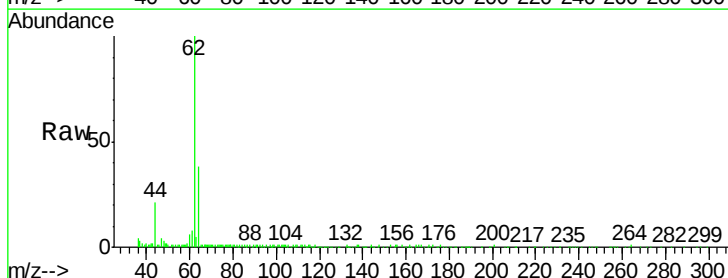
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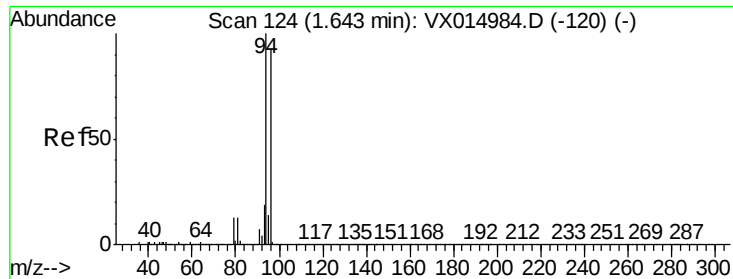
Tgt Ion: 62 Resp: 21171

Ion Ratio Lower Upper

62 100

64 37.2 25.4 38.0





#5

Bromomethane

Concen: 5.065 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.01 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 94 Resp: 13329

Ion Ratio Lower Upper

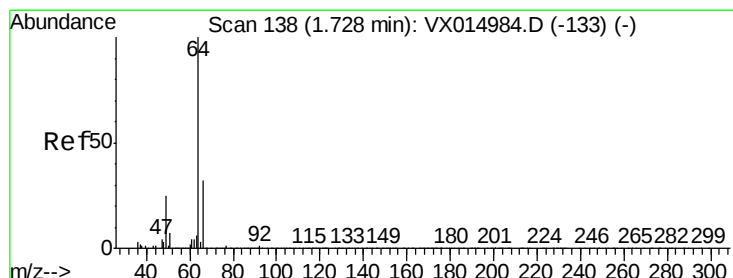
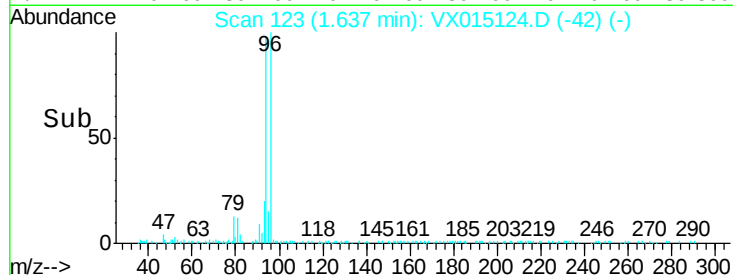
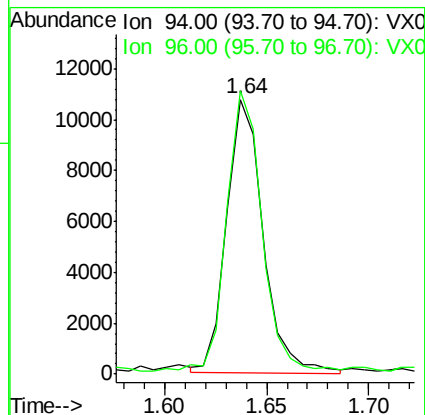
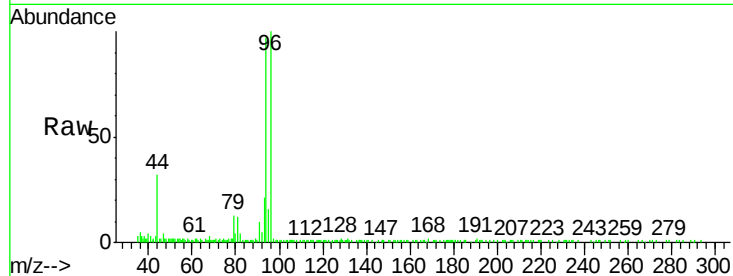
94 100

96 103.3 74.6 112.0

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#6

Chloroethane

Concen: 5.326 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.01 min

Lab File: VX015124.D

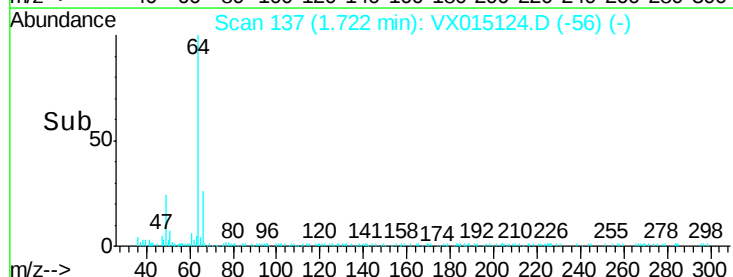
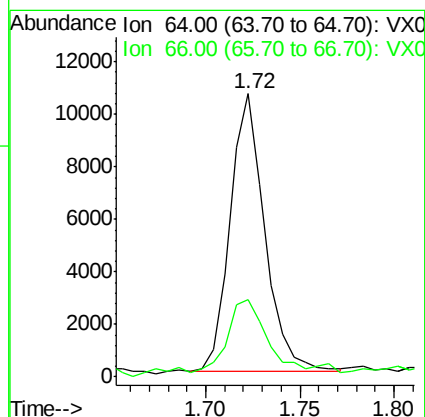
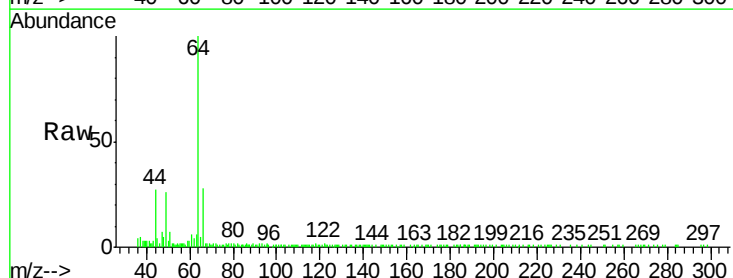
Acq: 06 Mar 2020 14:09

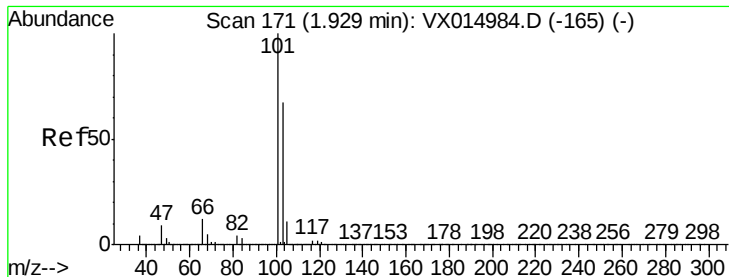
Tgt Ion: 64 Resp: 13405

Ion Ratio Lower Upper

64 100

66 26.8 25.8 38.6





#7

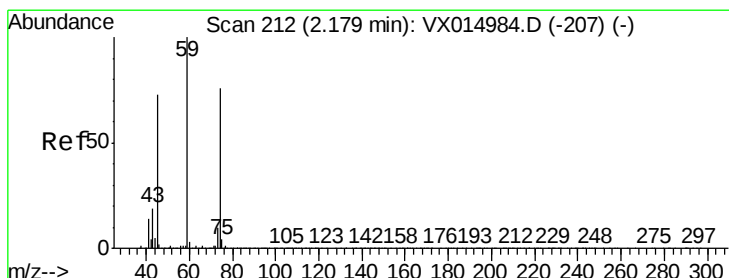
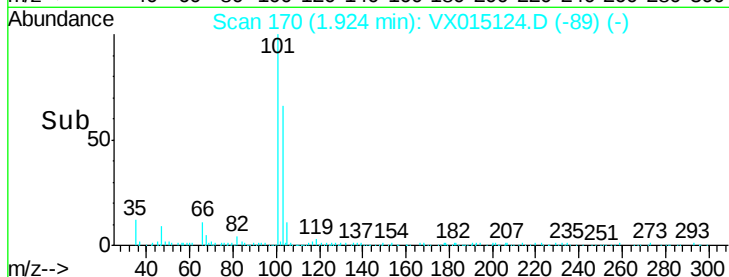
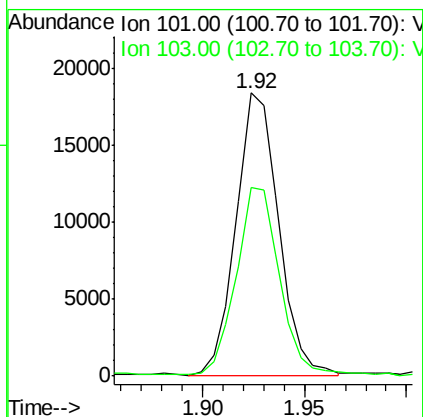
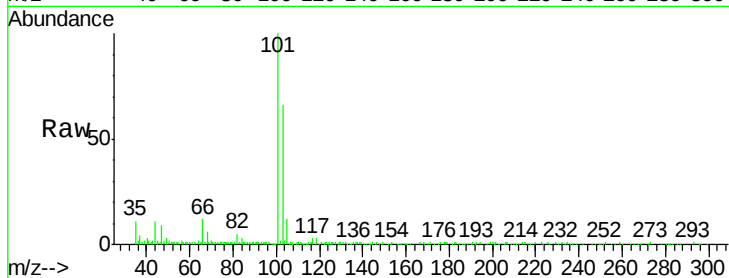
Trichlorofluoromethane
Concen: 4.905 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
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ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	53.4	80.2

Manual Integrations
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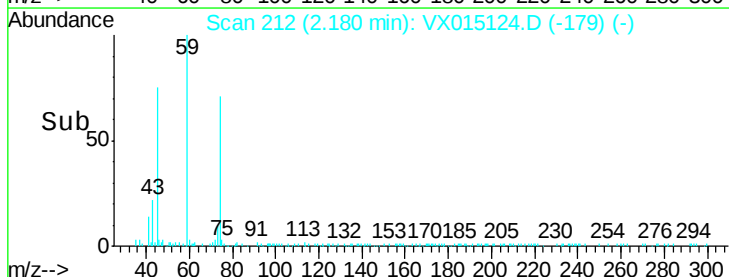
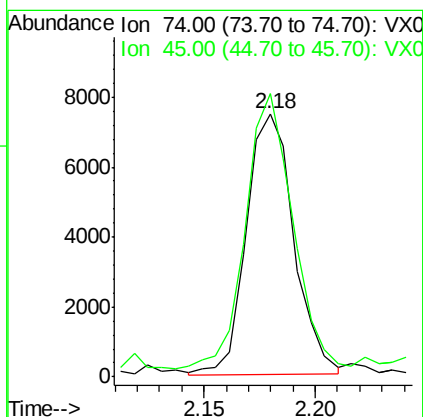
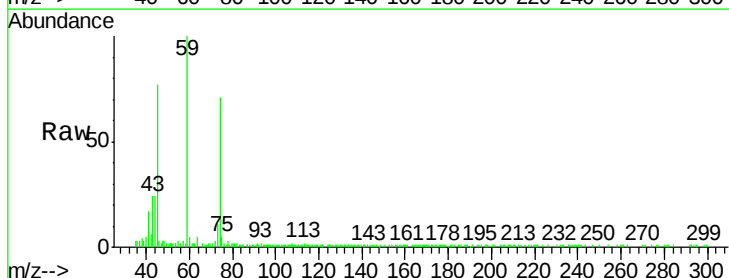
MMDadoda
3/9/2020 9:36:47 AM

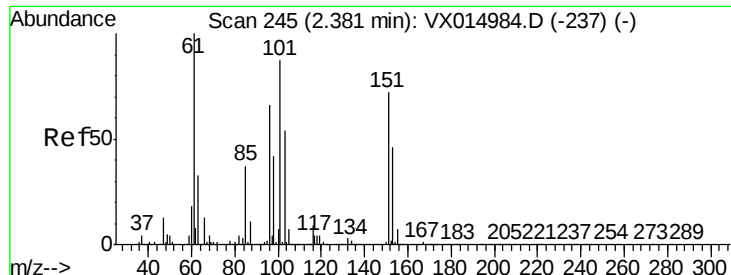


#8

Diethyl Ether
Concen: 4.818 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.8	19.6	176.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.648 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

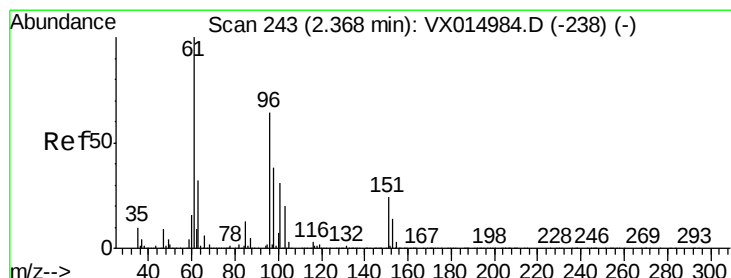
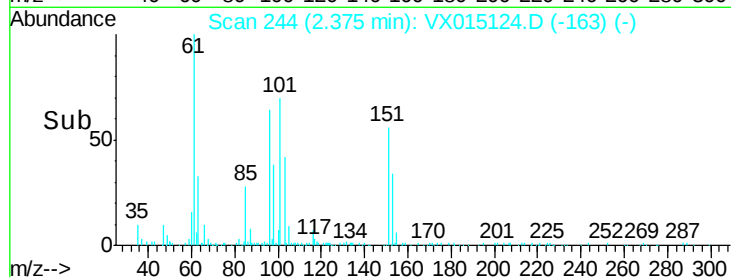
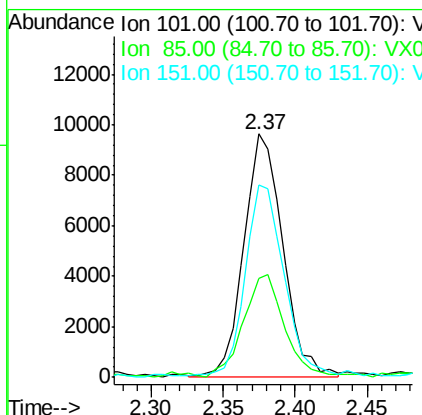
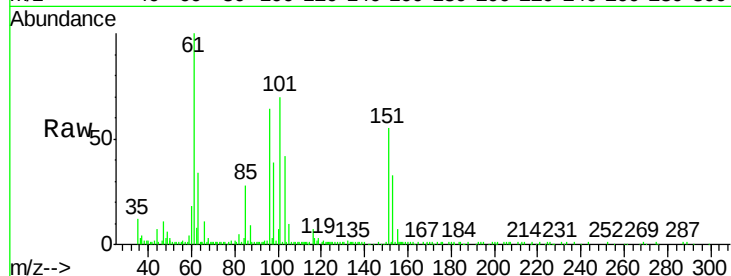
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	101	Resp:	17858
Ion Ratio	Lower	Upper	
101	100		
85	45.3	0.0	86.6
151	78.5	0.0	167.4

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3/9/2020 9:36:47 AM



#10

1,1-Dichloroethene

Concen: 5.739 ug/l

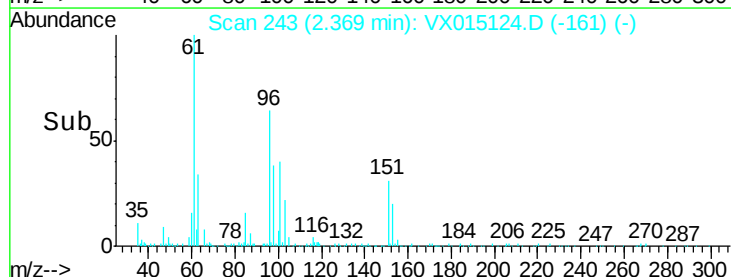
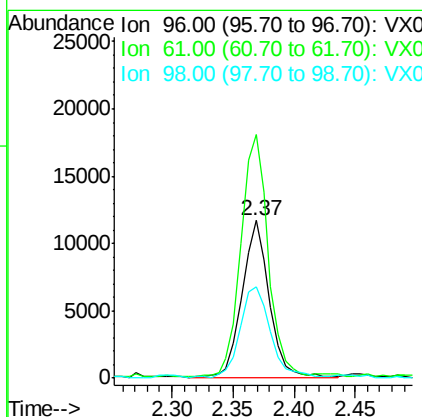
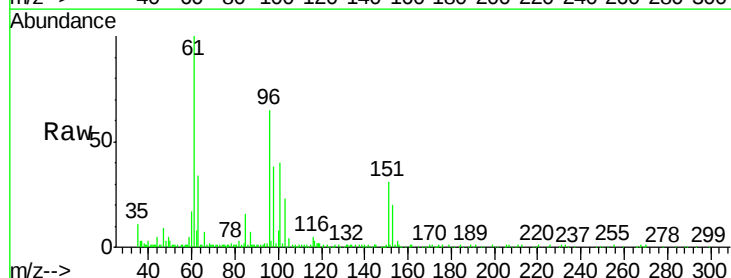
RT: 2.37 min Scan# 243

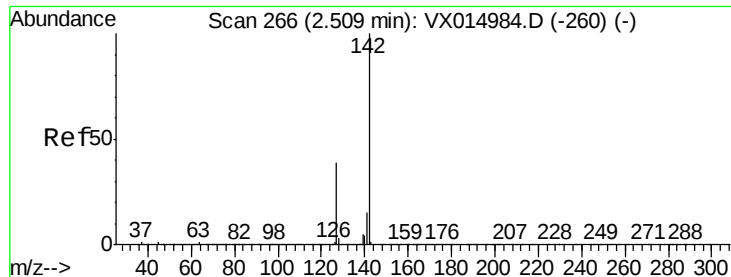
Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Tgt Ion:	96	Resp:	18241
Ion Ratio	Lower	Upper	
96	100		
61	153.5	126.1	189.1
98	57.7	48.2	72.2





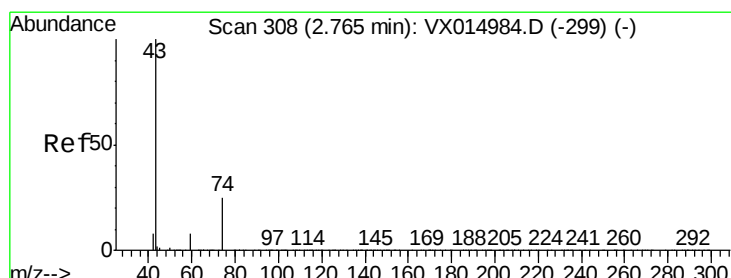
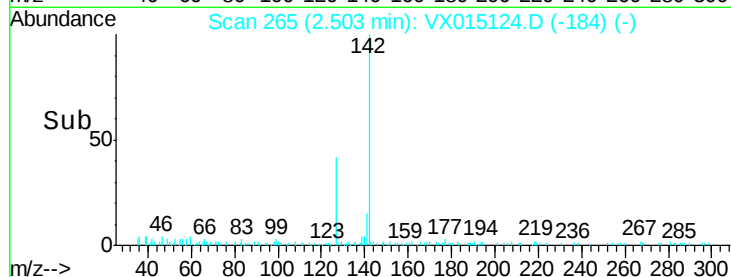
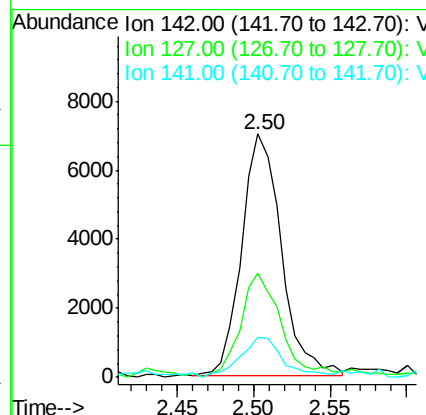
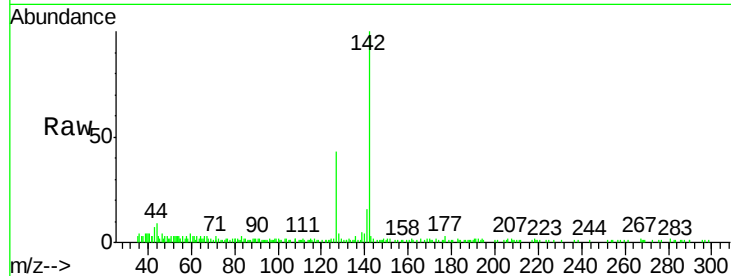
#11
Methvl Iodide
Concen: 3.271 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.4	19.7	59.0
141	14.6	7.4	22.2

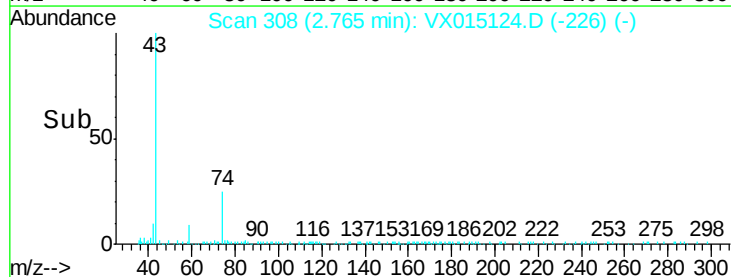
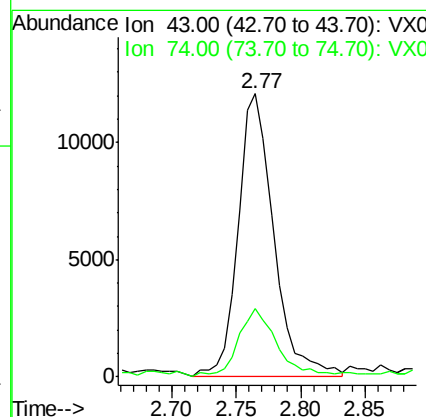
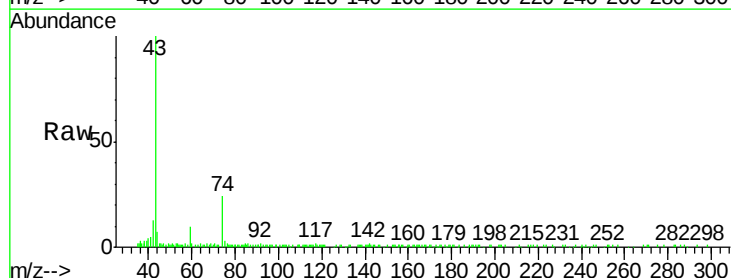
Manual Integrations
APPROVED

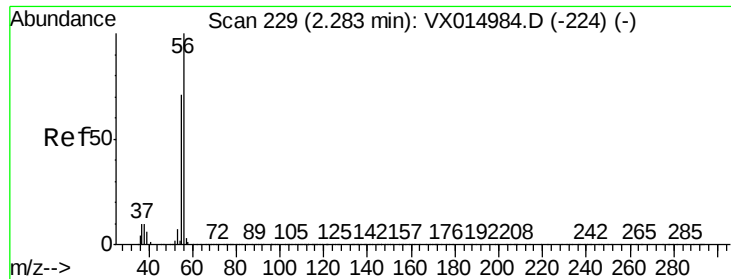
MMDadoda
3/9/2020 9:36:47 AM



#12
Methyl Acetate
Concen: 5.880 ug/l
RT: 2.77 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.8	29.8





#13

Acrolein

Concen: 20.628 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 56 Resp: 16227

Ion Ratio Lower Upper

56 100

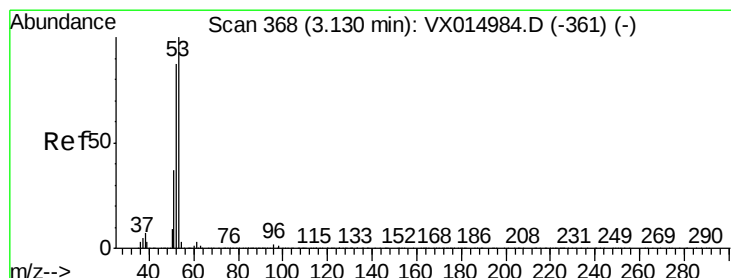
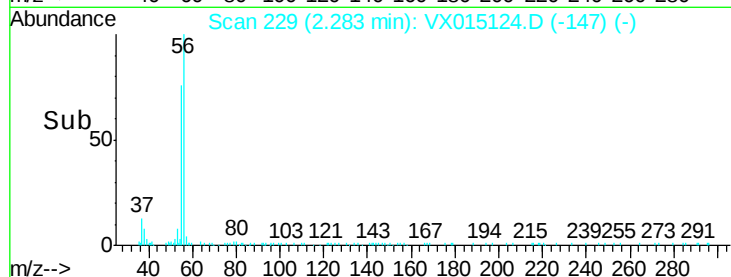
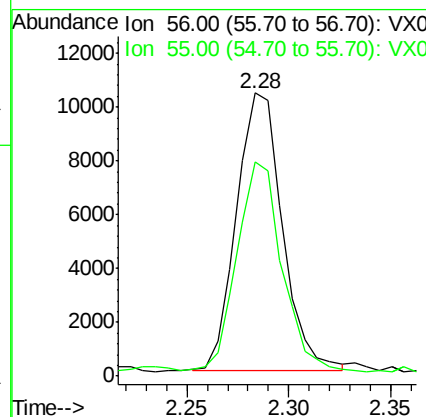
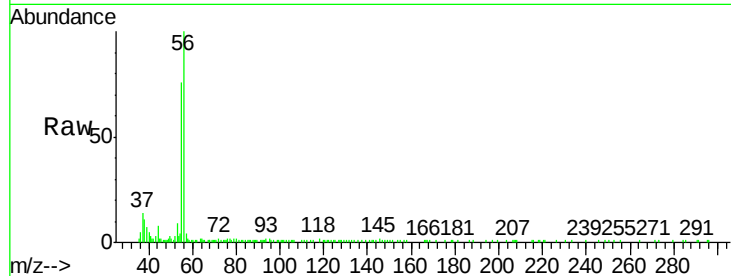
55 74.8 56.2 84.2

Manual Integrations

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#14

Acrylonitrile

Concen: 25.094 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

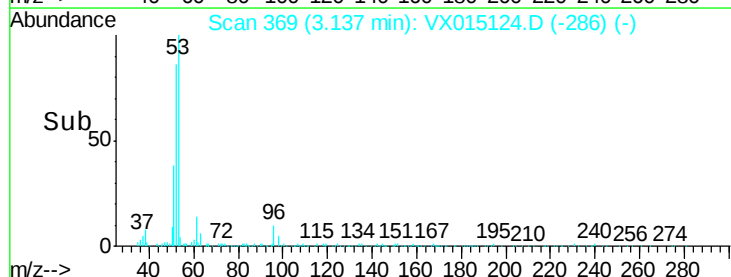
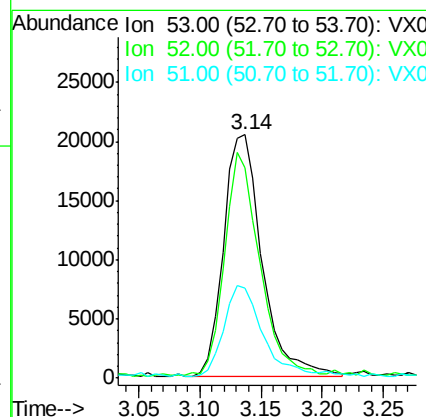
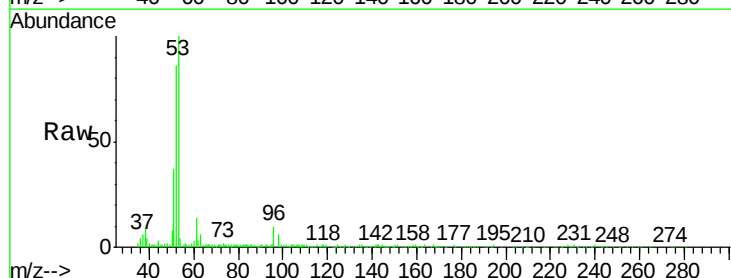
Tgt Ion: 53 Resp: 44827

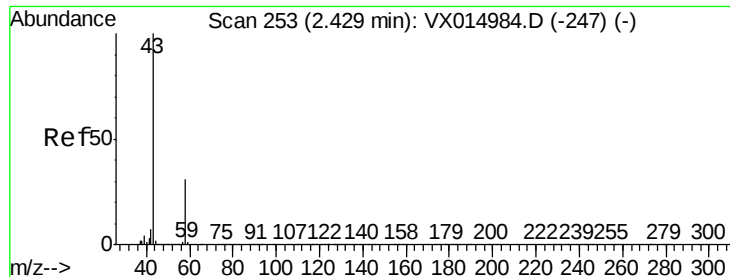
Ion Ratio Lower Upper

53 100

52 84.4 41.5 124.6

51 37.1 18.1 54.4





#15

Acetone

Concen: 19.805 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 58 Resp: 12661

Ion Ratio Lower Upper

58 100

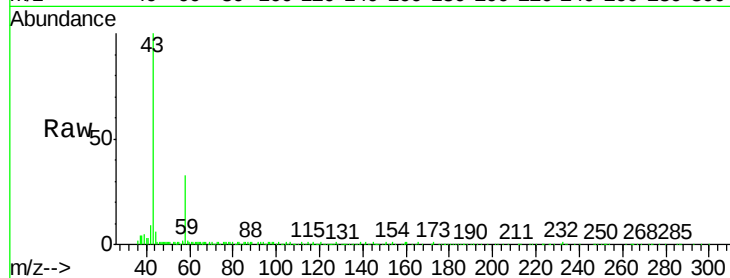
43 306.6 257.7 386.5

Manual Integrations

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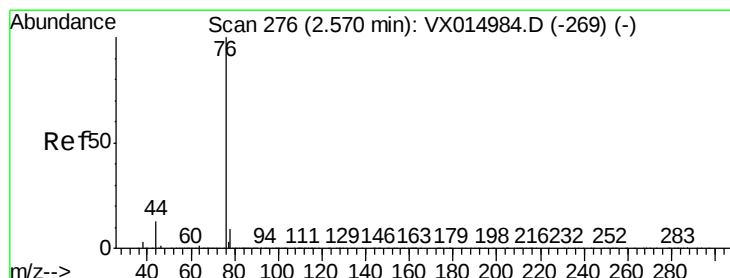
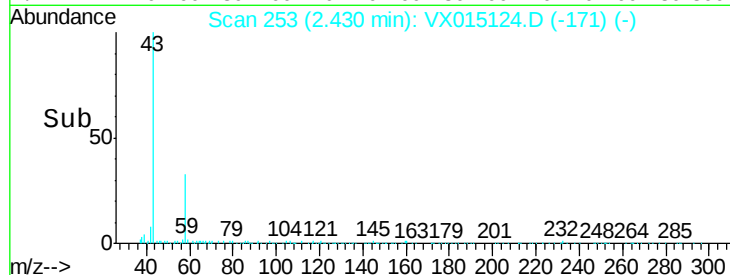
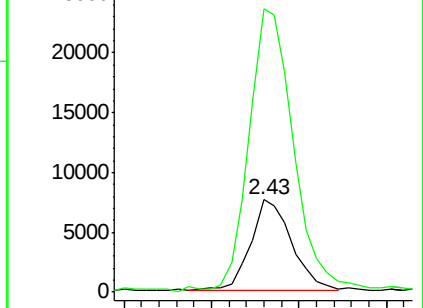
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 5.224 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX015124.D

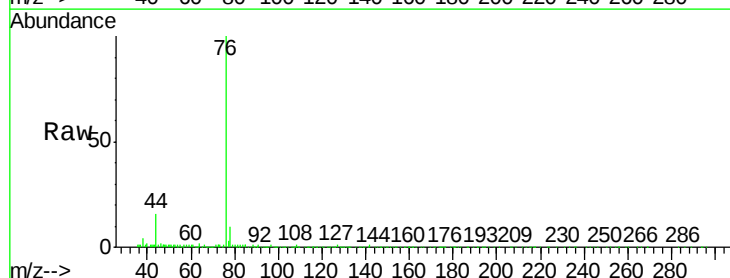
Acq: 06 Mar 2020 14:09

Tgt Ion: 76 Resp: 44645

Ion Ratio Lower Upper

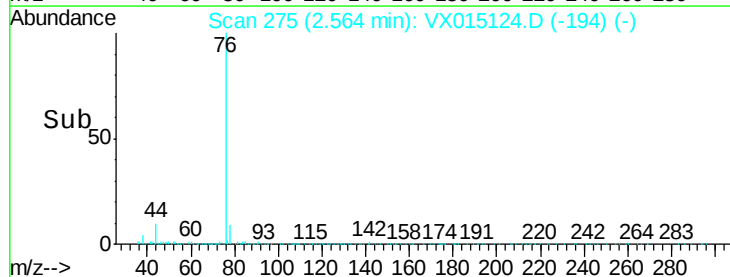
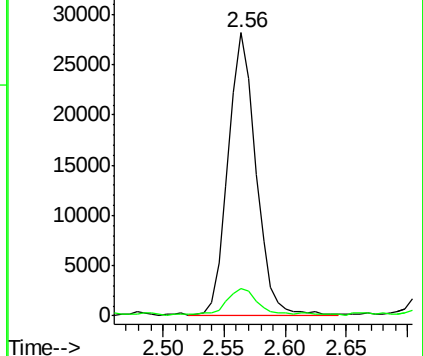
76 100

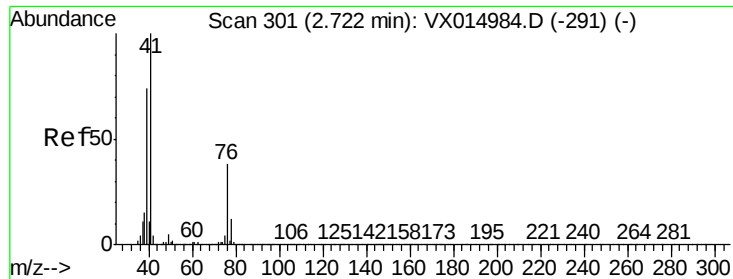
78 9.4 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





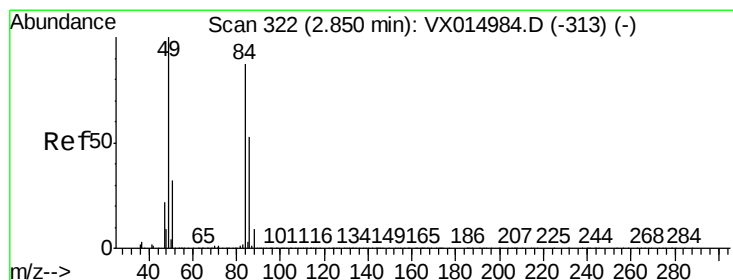
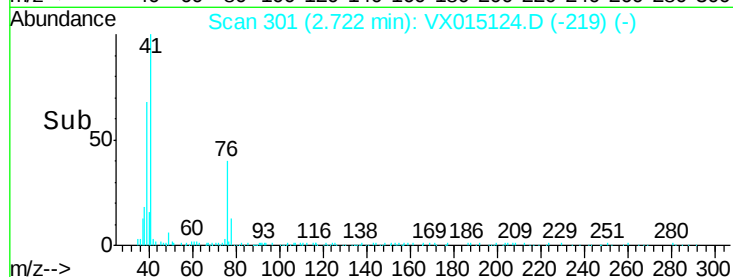
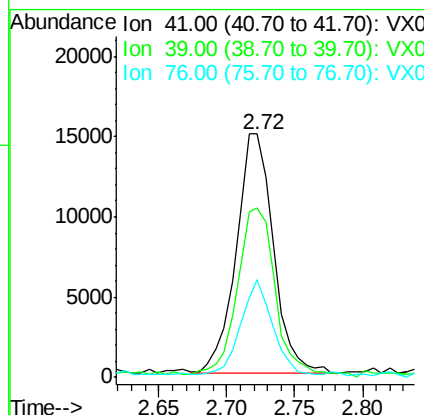
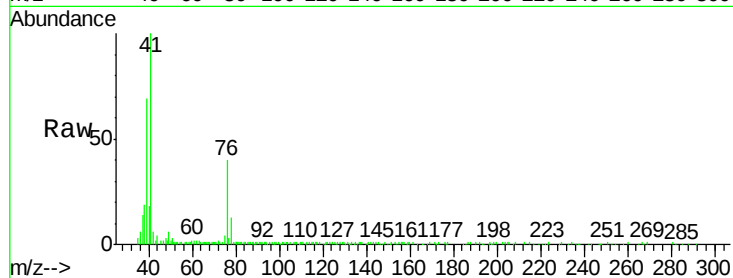
#17
Allvl chloride
Concen: 5.138 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.3	37.1	111.5
76	40.1	18.8	56.4

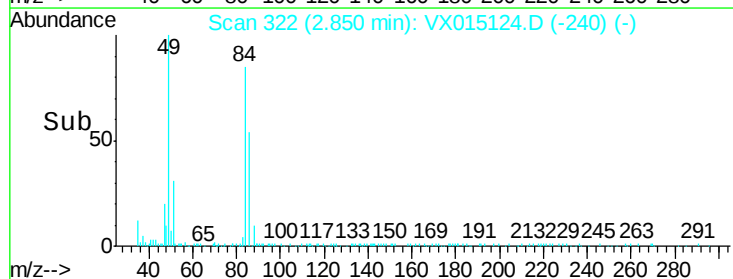
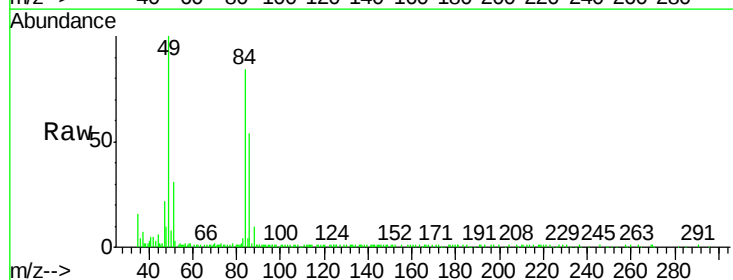
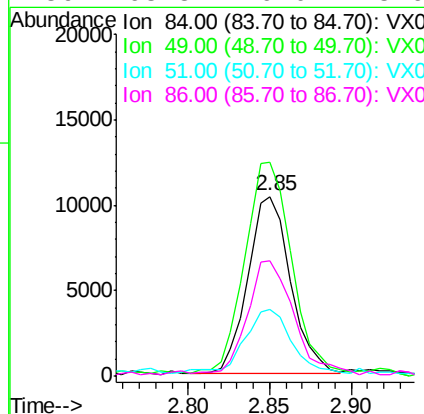
Manual Integrations
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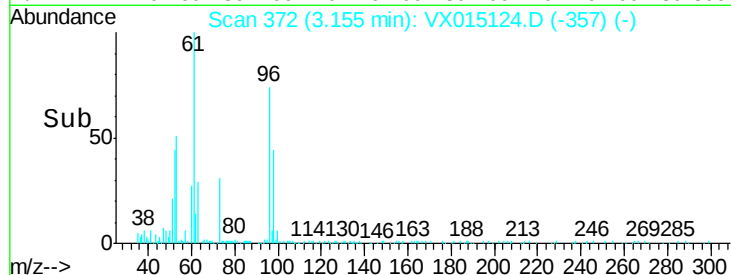
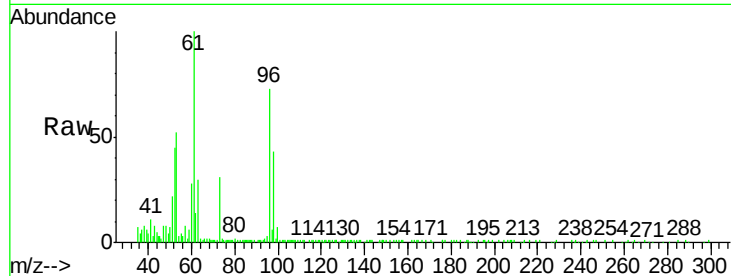
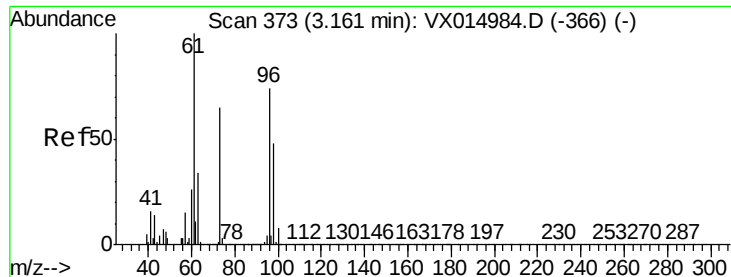
MMDadoda
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#18
Methylene Chloride
Concen: 5.172 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.2	92.2	138.2
51	35.6	29.7	44.5
86	63.8	49.0	73.6





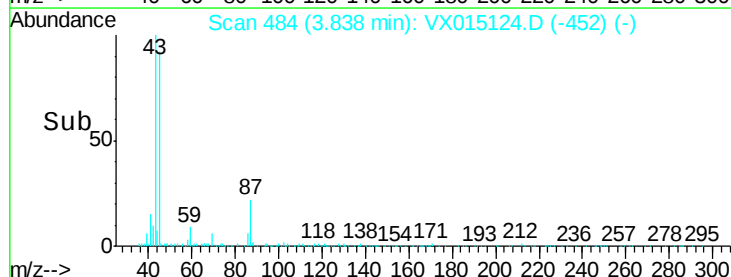
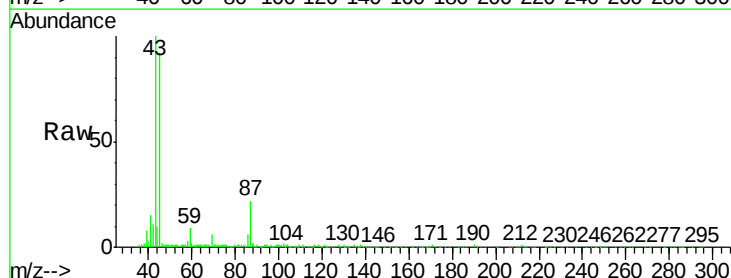
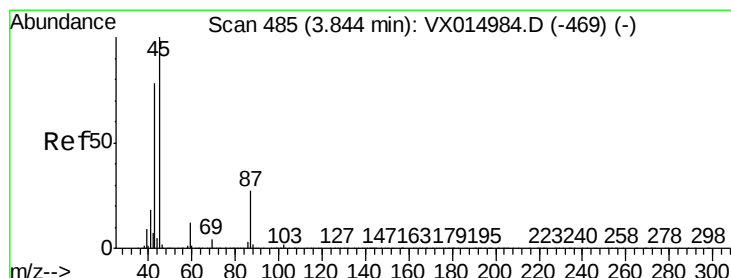
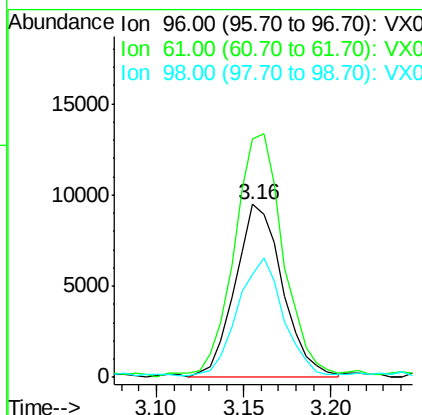
#19
trans-1,2-Dichloroethene
Concen: 5.144 ug/l
RT: 3.16 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.8	107.1	160.7
98	59.0	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

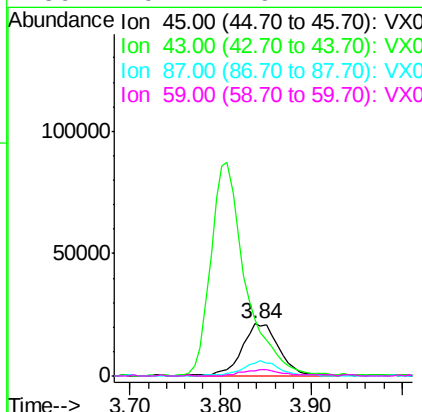
Manual Integrations
APPROVED

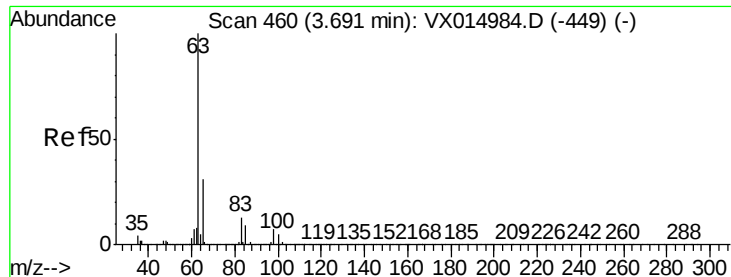
MMDadoda
3/9/2020 9:36:47 AM



#20
Diisopropyl ether
Concen: 5.227 ug/l
RT: 3.84 min Scan# 484
Delta R.T. -0.01 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	106.1	62.3	93.5#
87	24.4	21.8	32.6
59	9.7	9.4	14.2





#21

1,1-Dichloroethane

Concen: 5.254 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

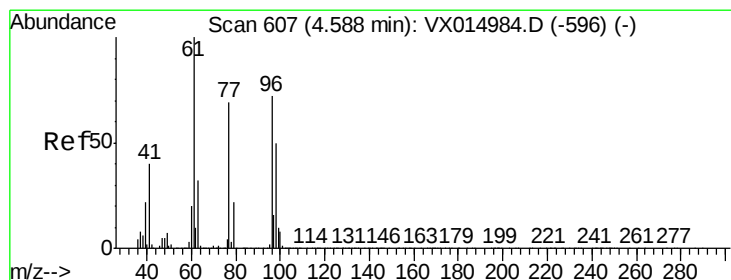
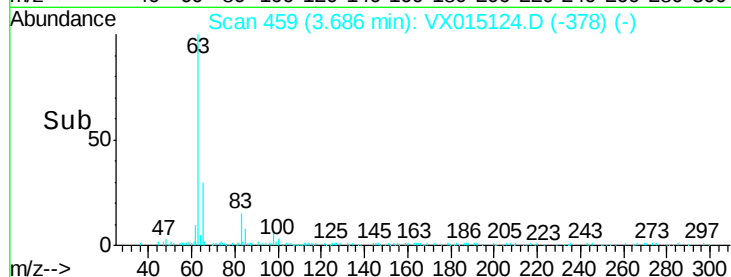
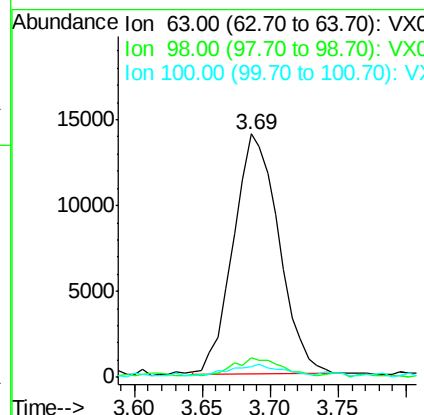
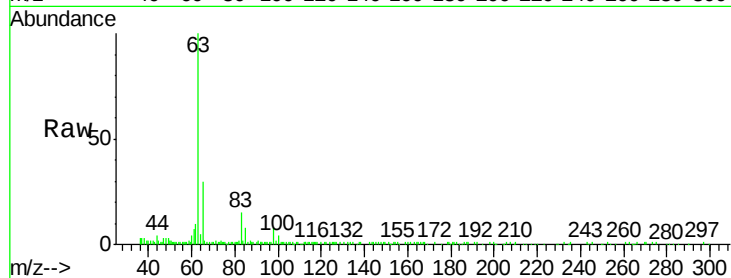
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	63	Resp:	32521
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.5	10.5
100	3.8	2.5	7.5

Manual Integrations
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3/9/2020 9:36:47 AM



#22

cis-1,2-Dichloroethene

Concen: 5.338 ug/l

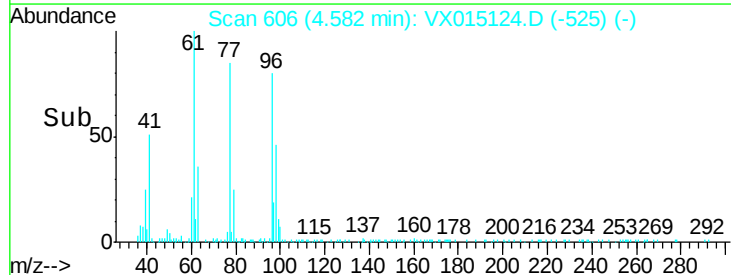
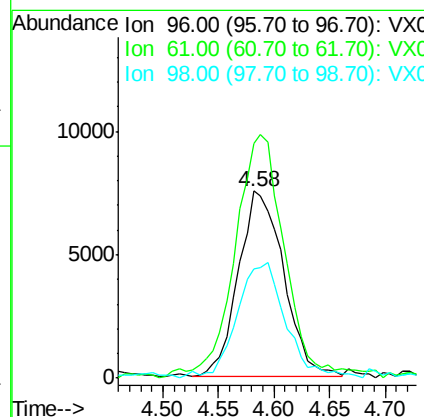
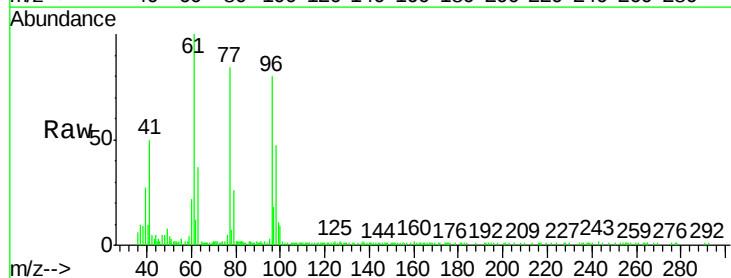
RT: 4.58 min Scan# 606

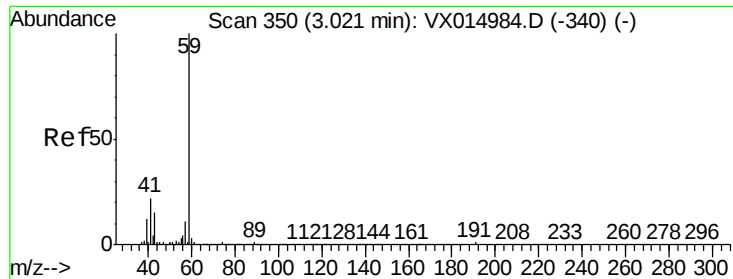
Delta R.T. -0.01 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Tgt Ion:	96	Resp:	21326
Ion Ratio	Lower	Upper	
96	100		
61	129.7	110.6	165.8
98	64.3	50.4	75.6





#23

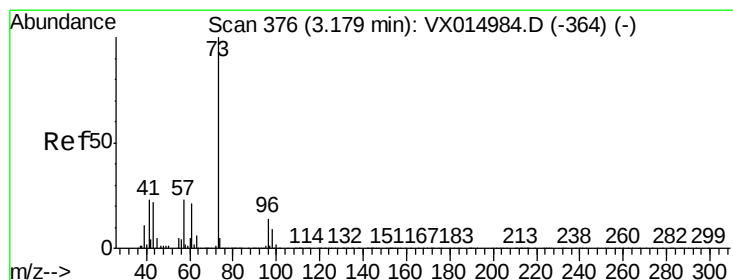
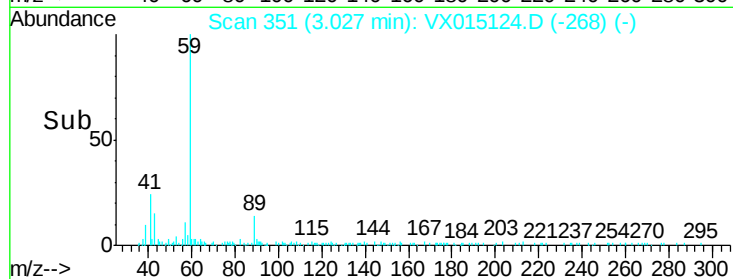
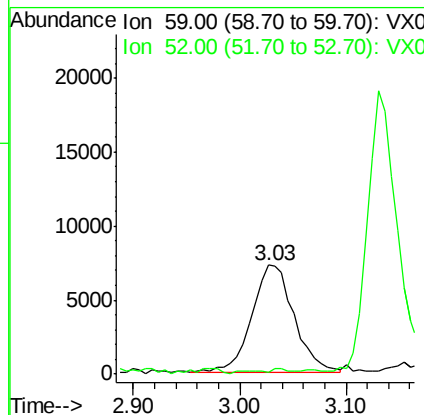
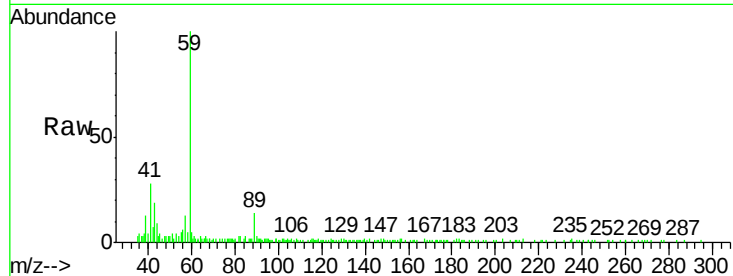
tert-Butyl Alcohol
 Concen: 28.548 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VX015124.D
 Acq: 06 Mar 2020 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
59	100		
52	1.0	0.4	0.6#

Manual Integrations
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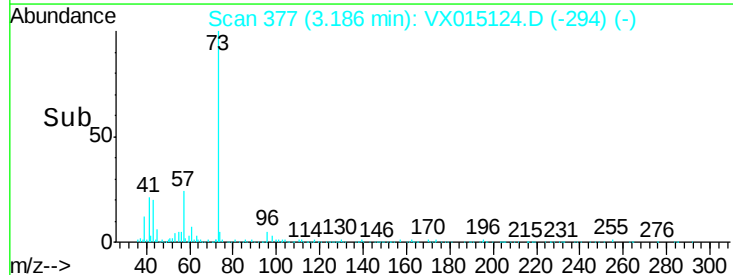
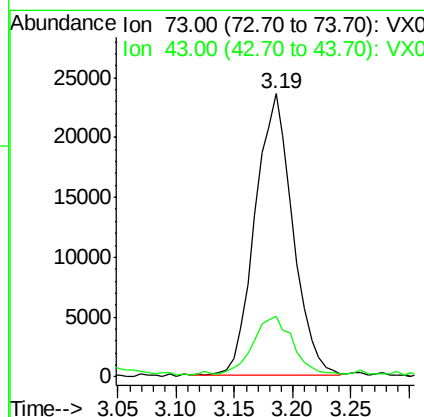
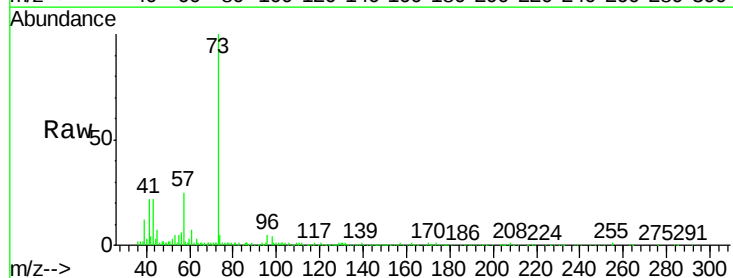
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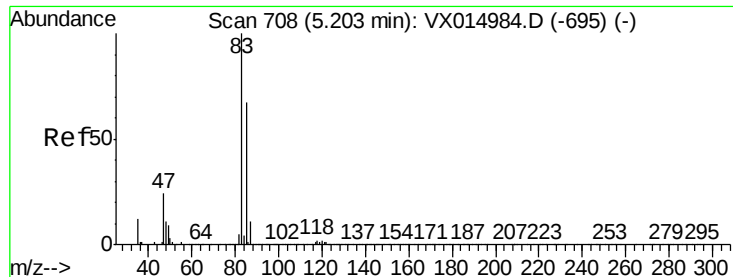


#24

Methyl tert-Butyl Ether
 Concen: 5.025 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.01 min
 Lab File: VX015124.D
 Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.2	17.7	26.5





#25

Chloroform

Concen: 5.299 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 83 Resp: 33081

Ion Ratio Lower Upper

83 100

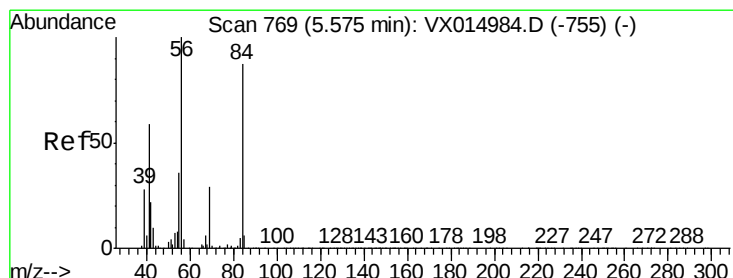
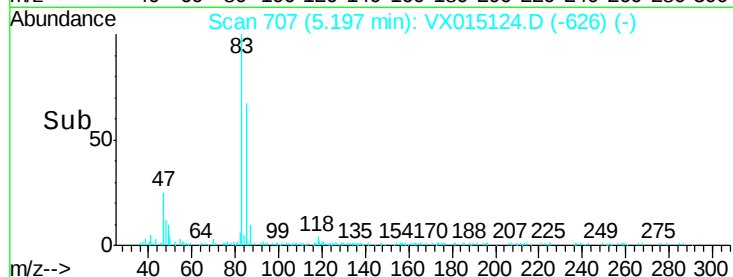
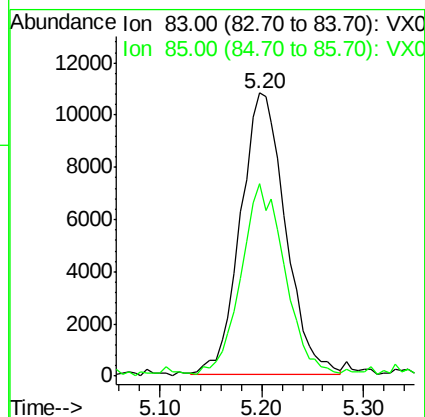
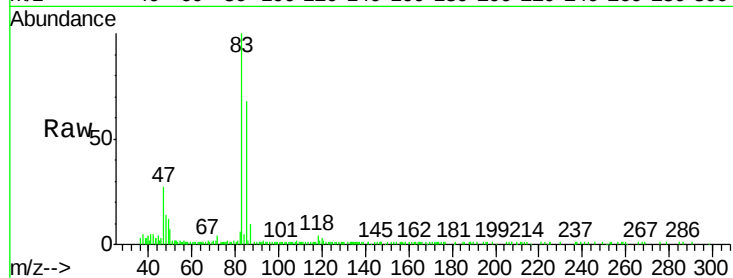
85 67.9 53.4 80.0

Manual Integrations

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#26

Cyclohexane

Concen: 5.154 ug/l

RT: 5.58 min Scan# 770

Delta R.T. 0.01 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

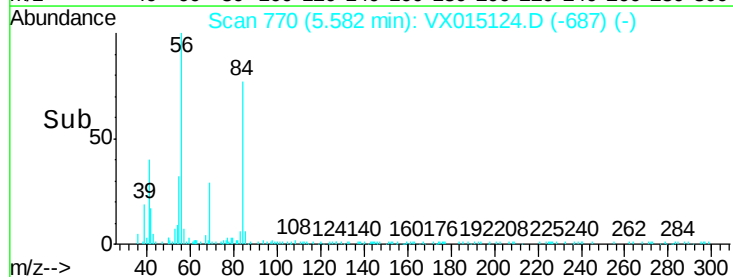
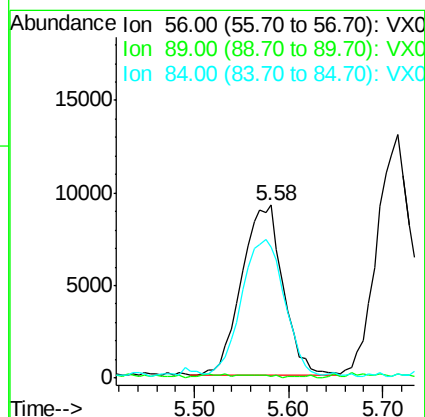
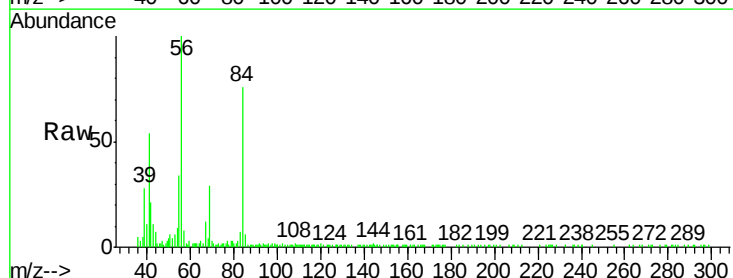
Tgt Ion: 56 Resp: 28516

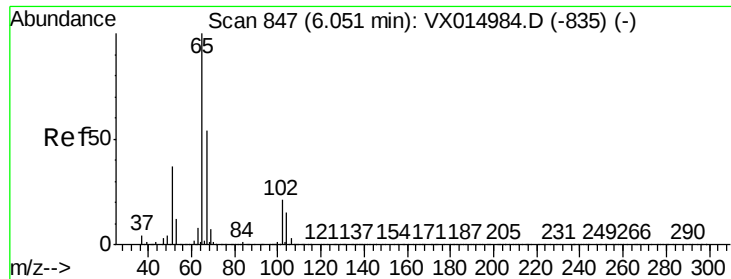
Ion Ratio Lower Upper

56 100

89 0.3 0.2 0.2#

84 84.2 71.8 107.8





#27

1,2-Dichloroethane-d4

Concen: 30.491 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 65 Resp: 128203

Ion Ratio Lower Upper

65 100

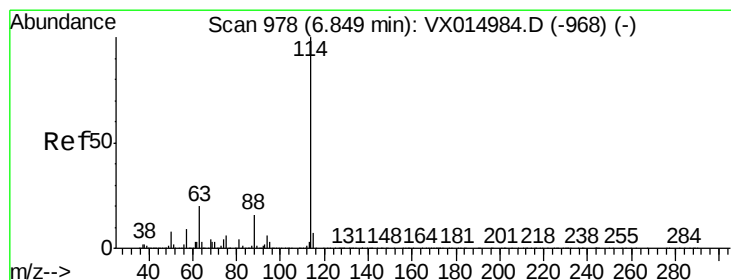
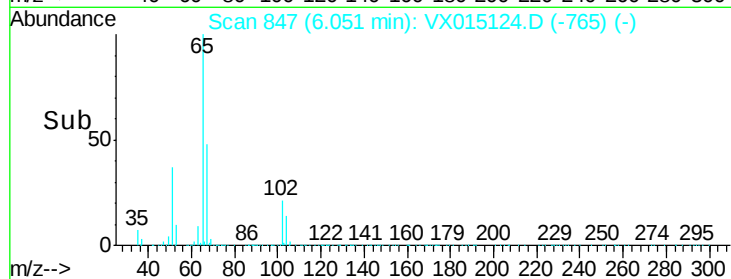
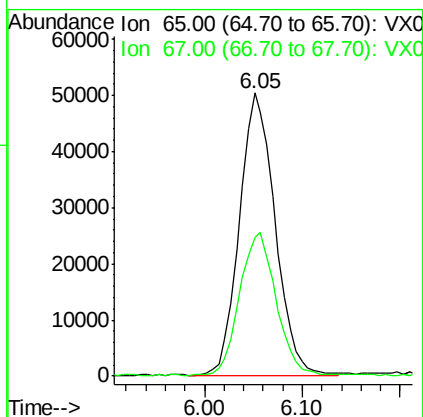
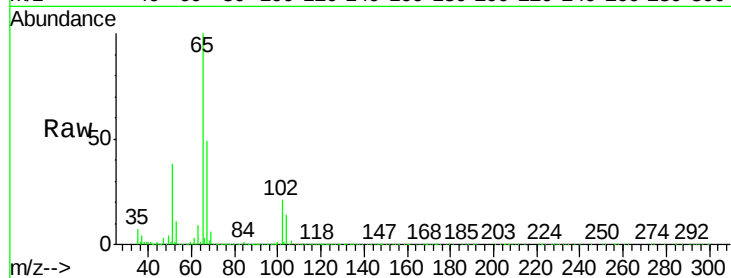
67 52.1 41.9 62.9

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

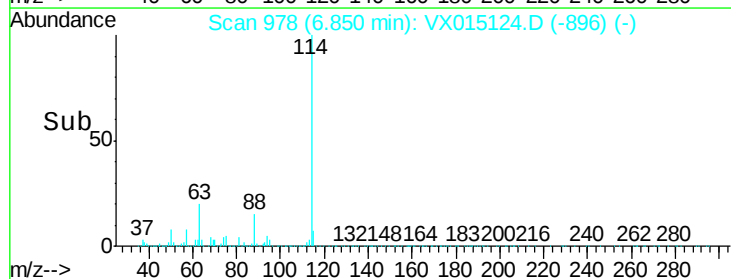
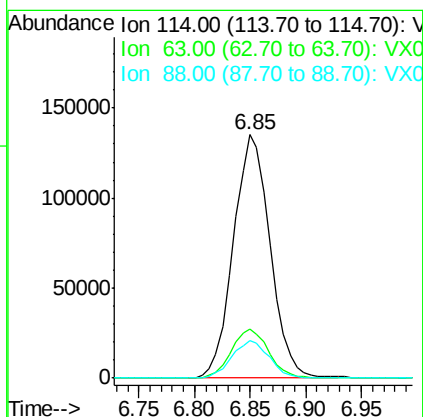
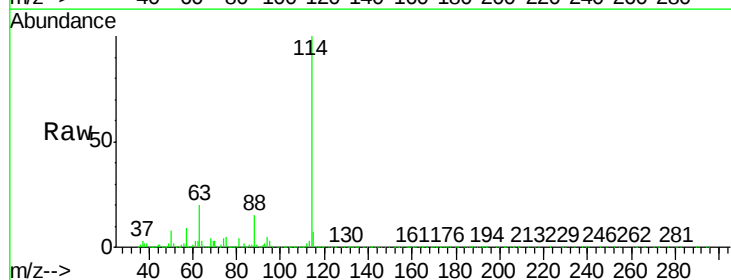
Tgt Ion: 114 Resp: 309168

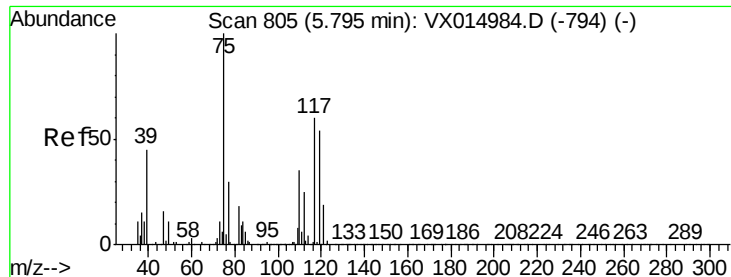
Ion Ratio Lower Upper

114 100

63 19.9 15.6 23.4

88 15.4 12.2 18.2





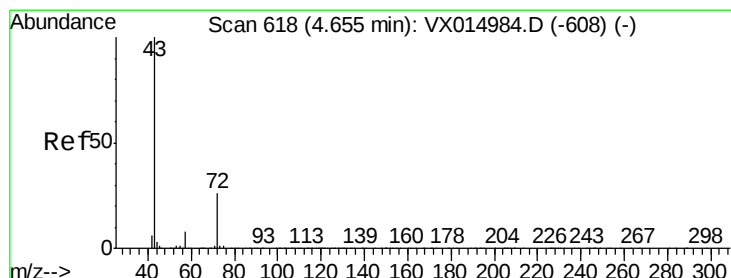
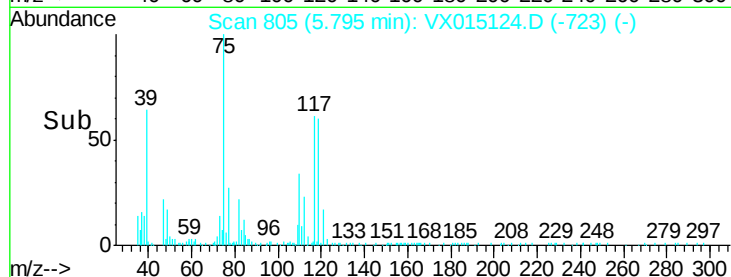
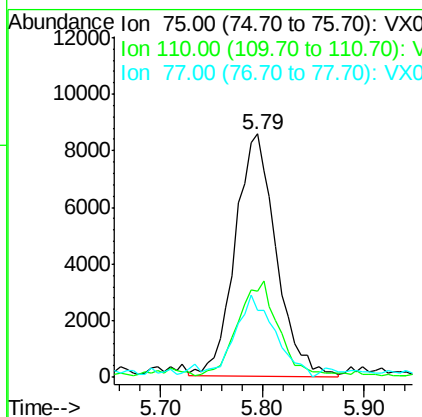
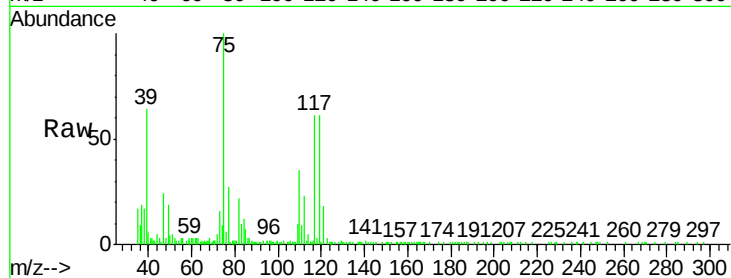
#29
 1,1-Dichloropropene
 Concen: 5.465 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX015124.D
 Acq: 06 Mar 2020 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	40.7	0.0	75.0	
77	32.0	0.0	64.0	

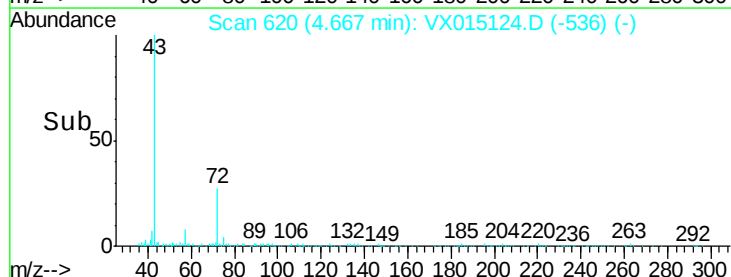
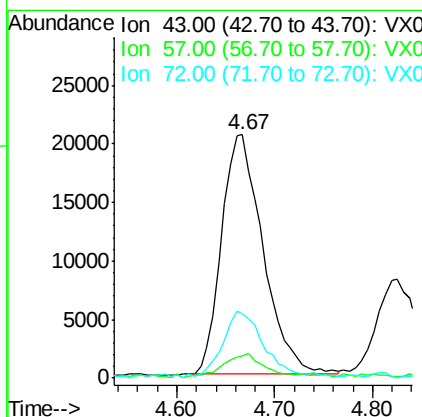
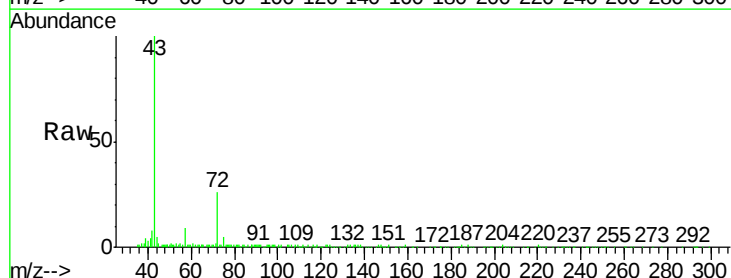
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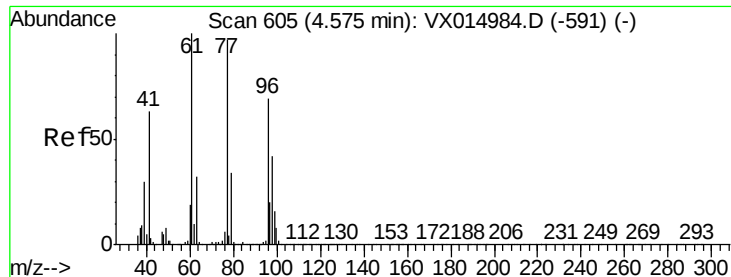
MMDadoda
 3/9/2020 9:36:47 AM



#30
 2-Butanone
 Concen: 23.905 ug/l
 RT: 4.67 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VX015124.D
 Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.0	6.5	9.7	
72	25.2	20.3	30.5	





#31

2,2-Dichloropropane

Concen: 5.399 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 77 Resp: 25925

Ion Ratio Lower Upper

77 100

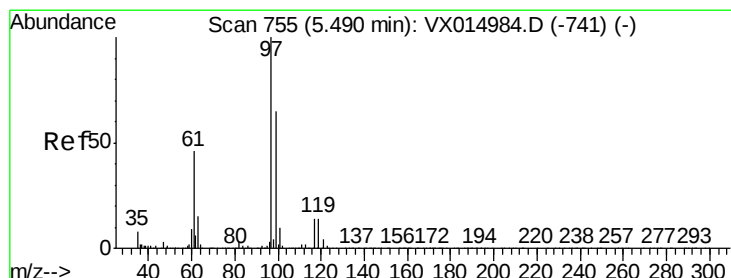
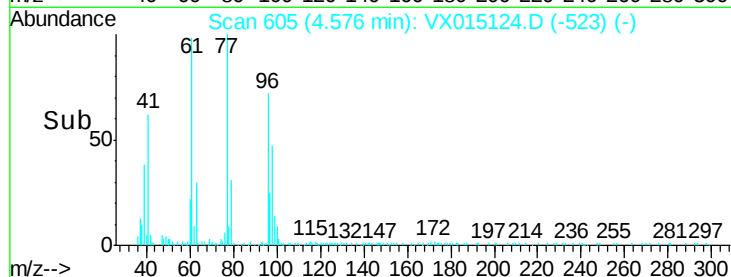
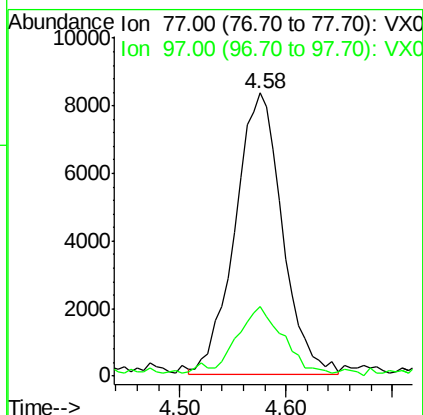
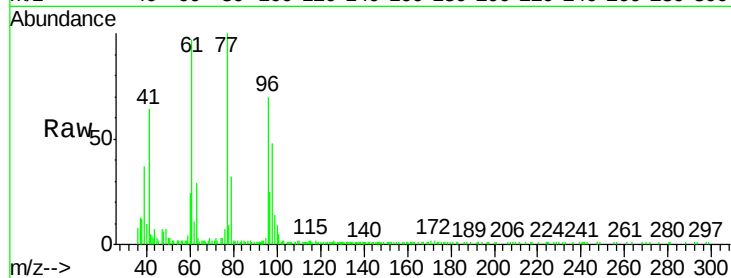
97 21.7 18.4 27.6

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#32

1,1,1-Trichloroethane

Concen: 5.614 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

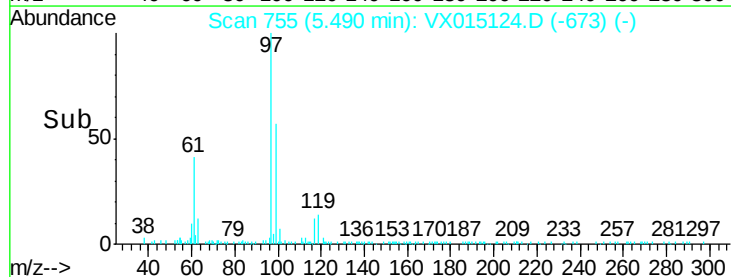
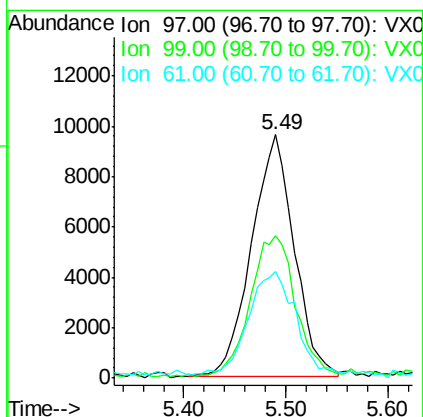
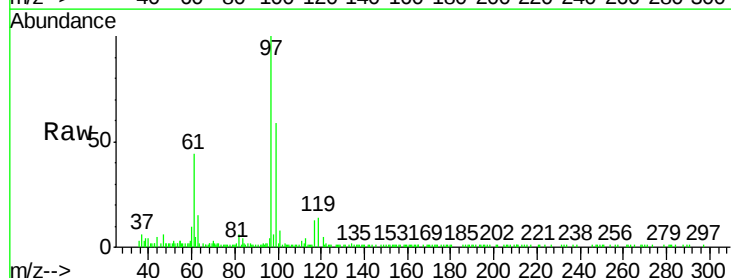
Tgt Ion: 97 Resp: 27879

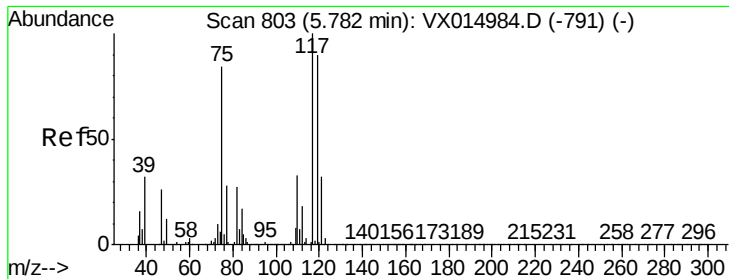
Ion Ratio Lower Upper

97 100

99 61.0 53.0 79.6

61 43.8 36.2 54.2





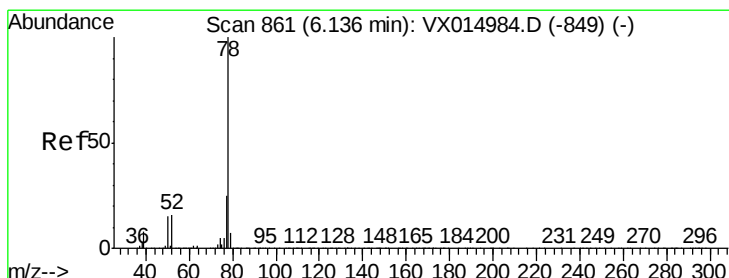
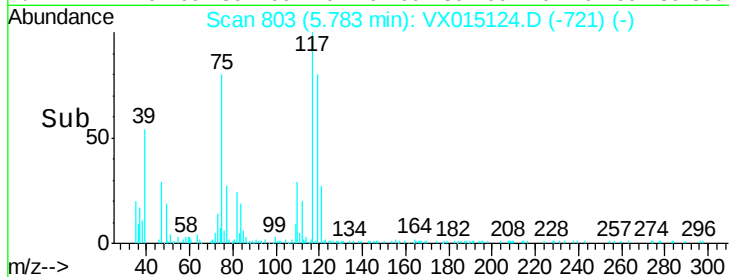
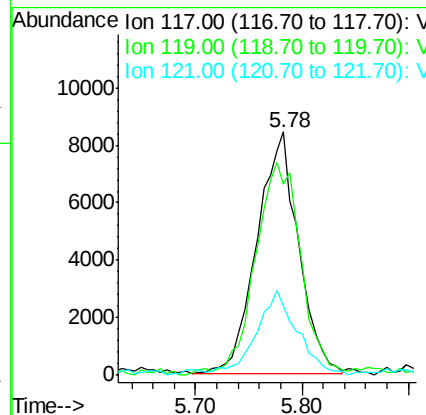
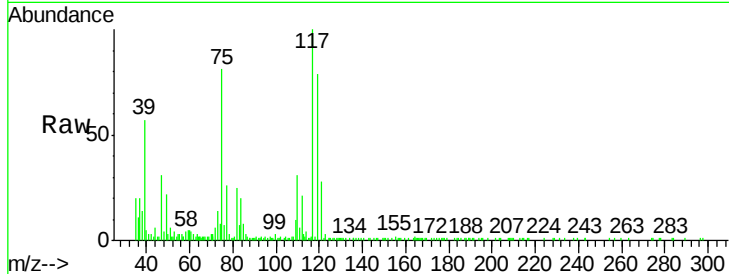
#33
Carbon Tetrachloride
Concen: 5.303 ug/l
RT: 5.78 min Scan# 803
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
117	100		
119	78.3	71.9	107.9
121	27.1	25.4	38.2

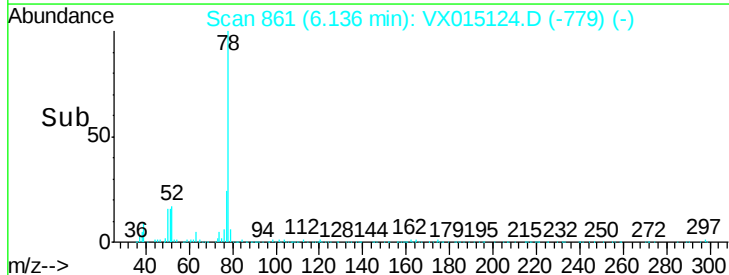
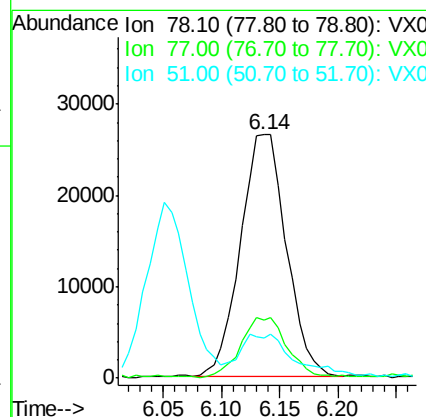
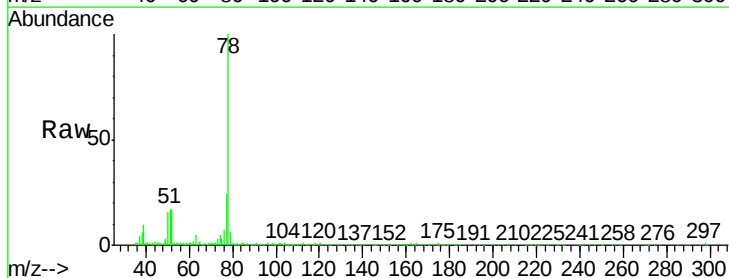
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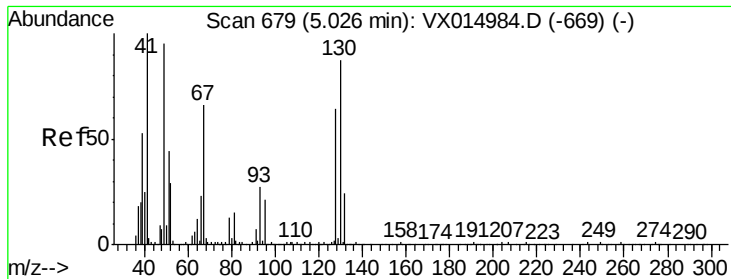
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#34
Benzene
Concen: 5.517 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	20.0	30.0
51	14.2	13.3	19.9





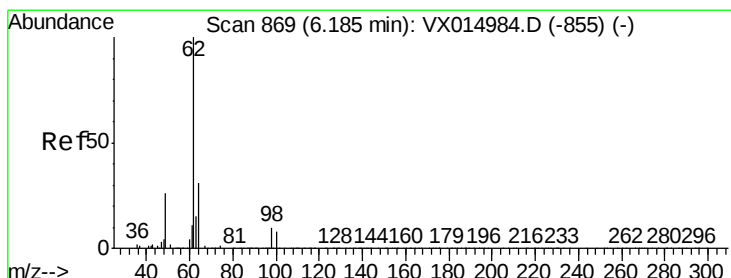
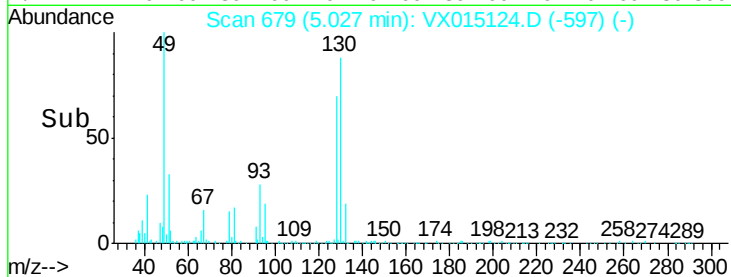
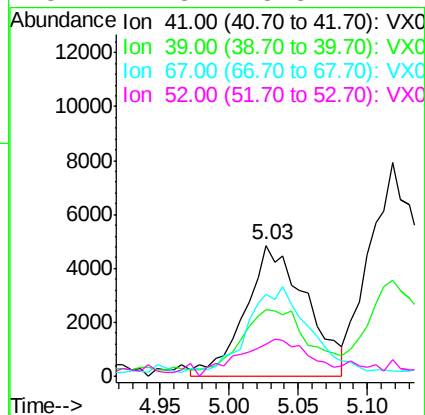
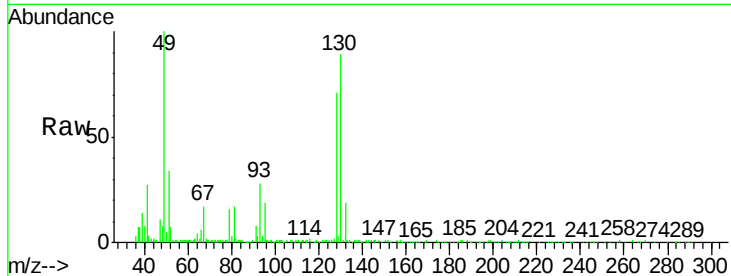
#35
Methacrylonitrile
Concen: 5.816 ug/l m
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.0	25.9	77.7
67	62.5	32.7	98.1
52	24.8	13.8	41.4

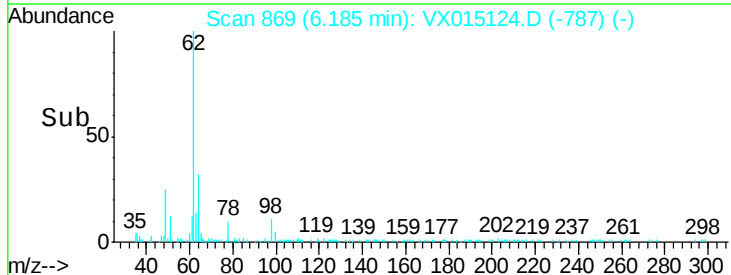
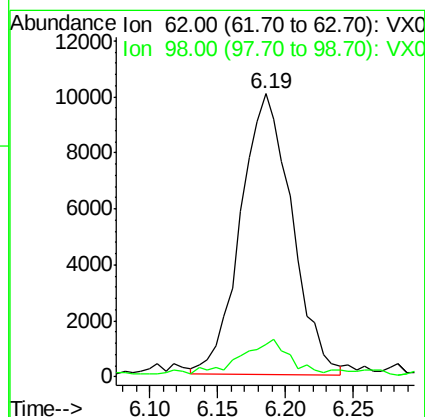
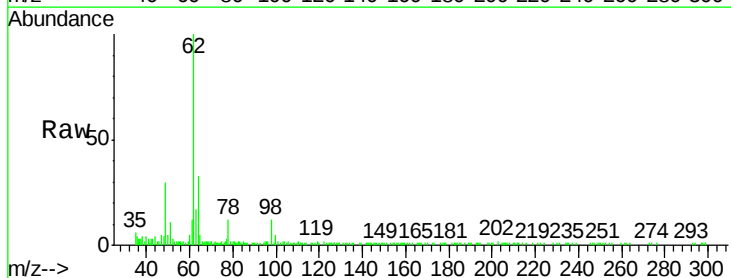
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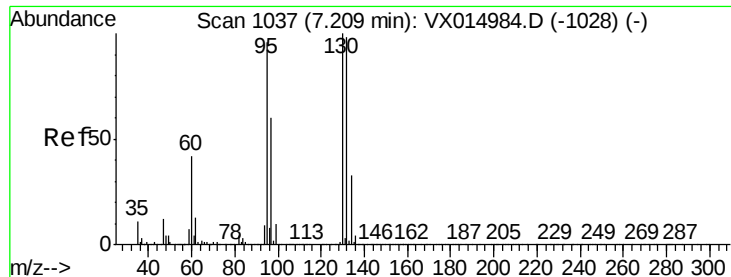
MMDadoda
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#36
1,2-Dichloroethane
Concen: 5.642 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	7.5	11.3





#37

Trichloroethene

Concen: 5.561 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:130 Resp: 20602

Ion Ratio Lower Upper

130 100

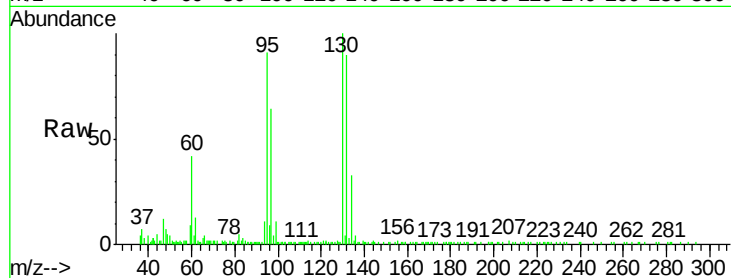
95 91.5 77.1 115.7

Manual Integrations

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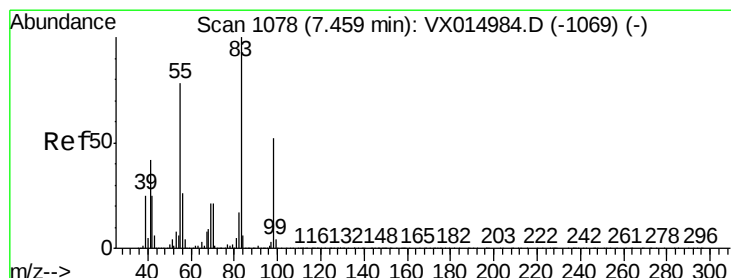
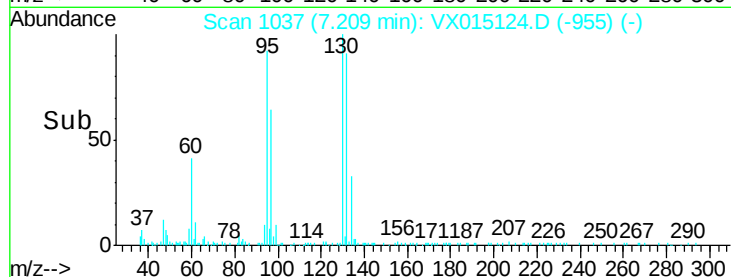
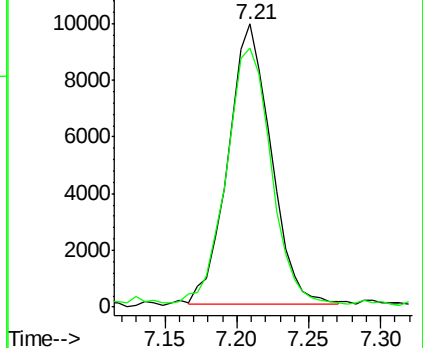
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 5.033 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

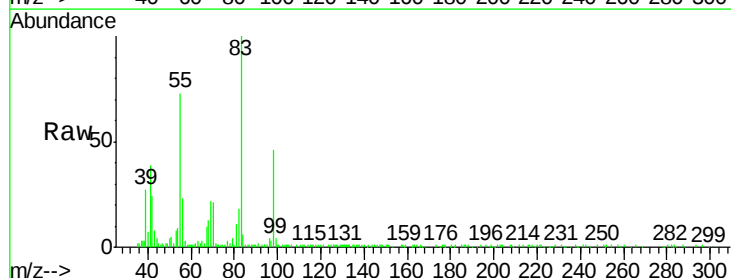
Tgt Ion: 83 Resp: 27283

Ion Ratio Lower Upper

83 100

55 77.2 38.2 114.6

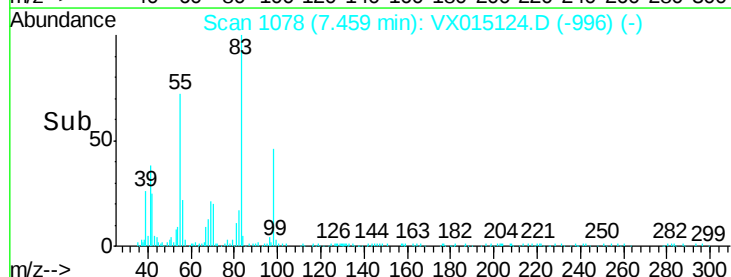
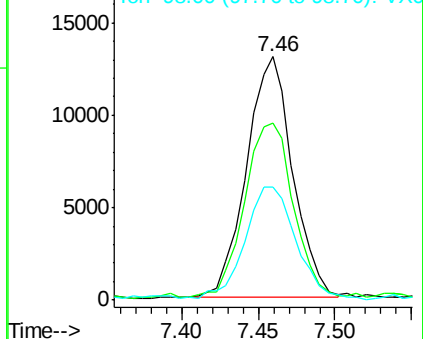
98 52.5 25.3 75.8

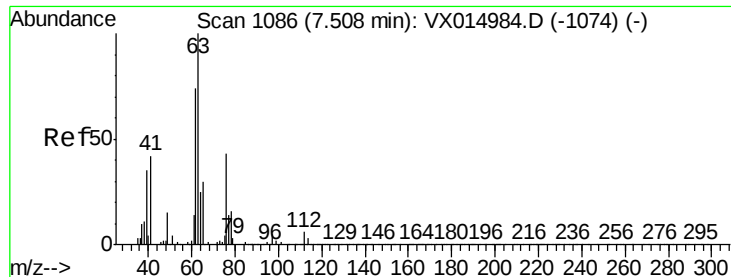


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





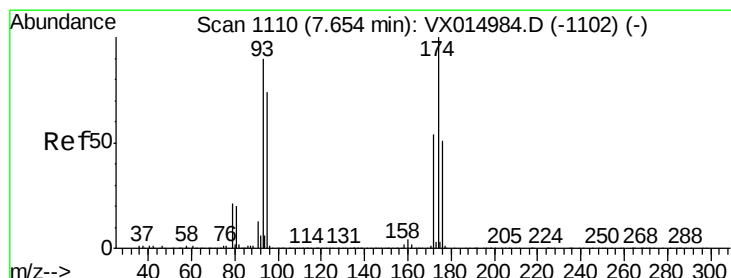
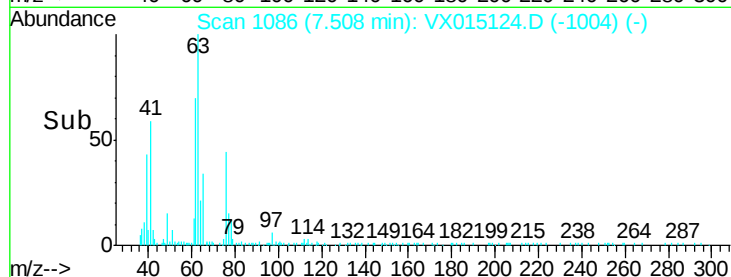
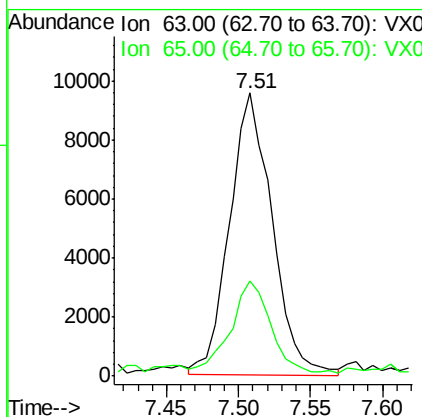
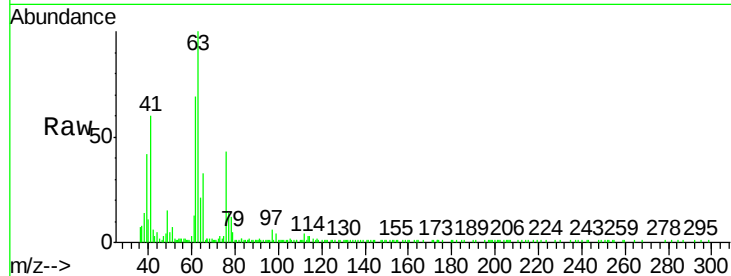
#39
 1,2-Dichloropropane
 Concen: 5.806 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX015124.D
 Acq: 06 Mar 2020 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	36.8

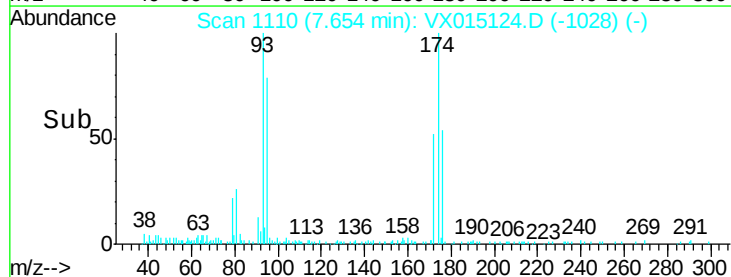
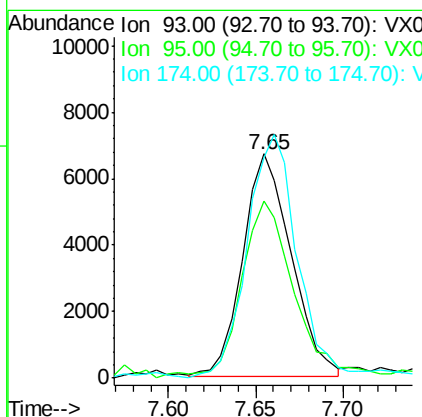
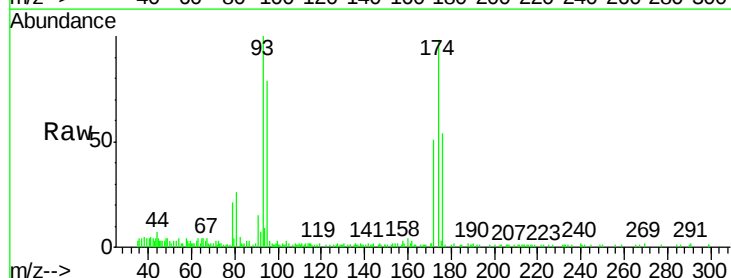
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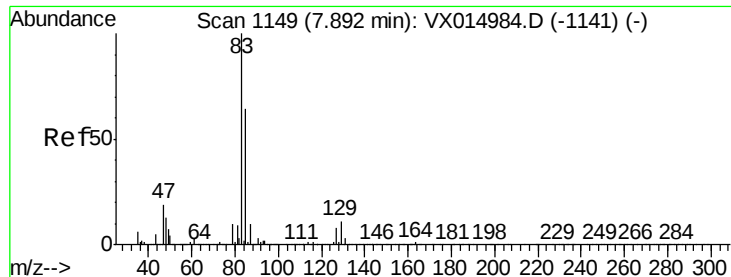
MMDadoda
 3/9/2020 9:36:47 AM



#40
 Dibromomethane
 Concen: 5.744 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX015124.D
 Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	78.2	0.0	164.6
174	112.0	0.0	226.4





#41

Bromodichloromethane

Concen: 5.095 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

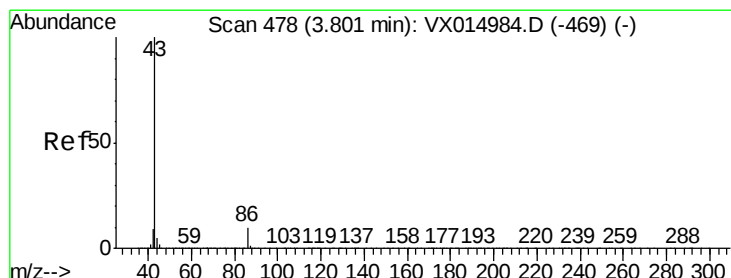
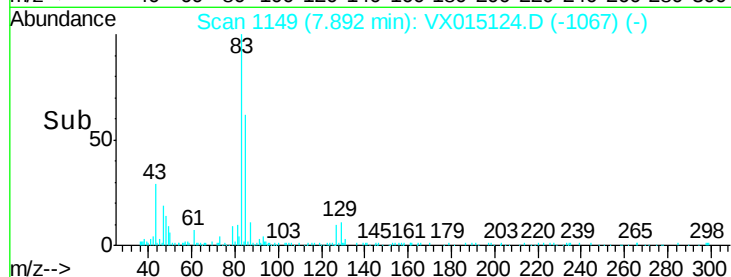
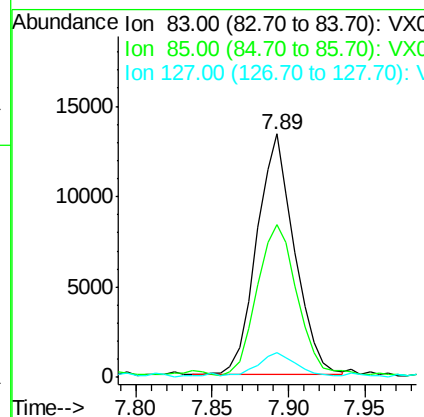
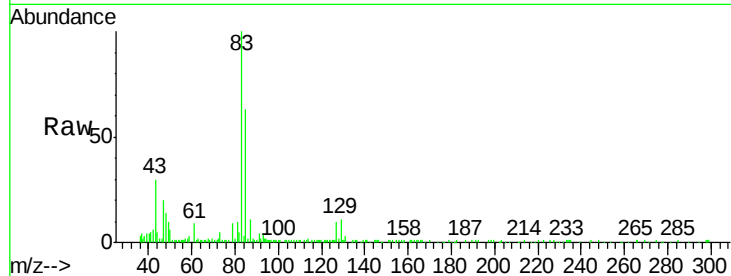
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	83	Resp:	22826
Ion Ratio	Lower	Upper	
83	100		
85	61.1	51.0	76.4
127	9.9	6.6	10.0

Manual Integrations
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#42

Vinyl Acetate

Concen: 26.267 ug/l

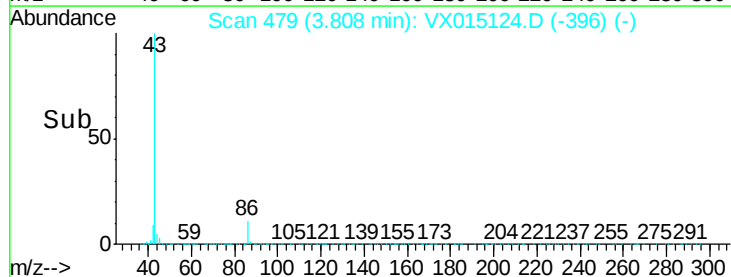
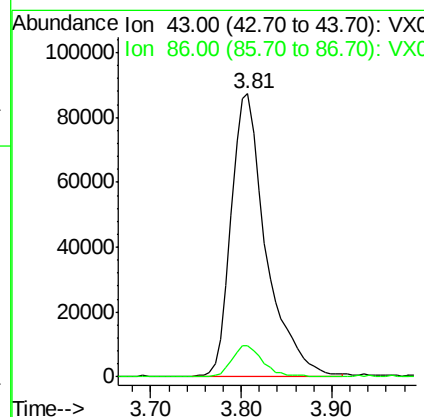
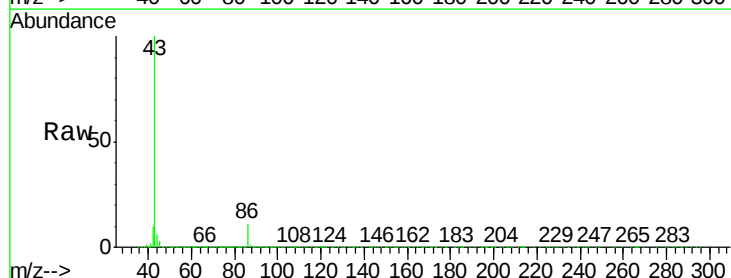
RT: 3.81 min Scan# 479

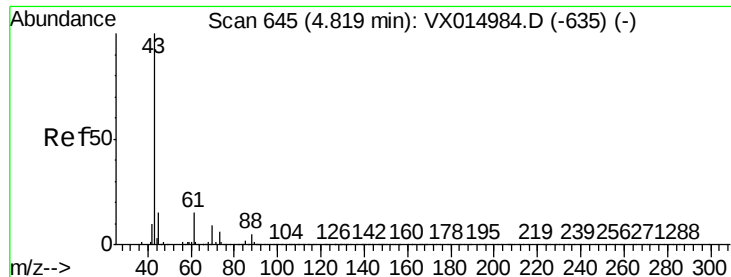
Delta R.T. 0.01 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Tgt Ion:	43	Resp:	233369
Ion Ratio	Lower	Upper	
43	100		
86	9.5	7.6	11.4





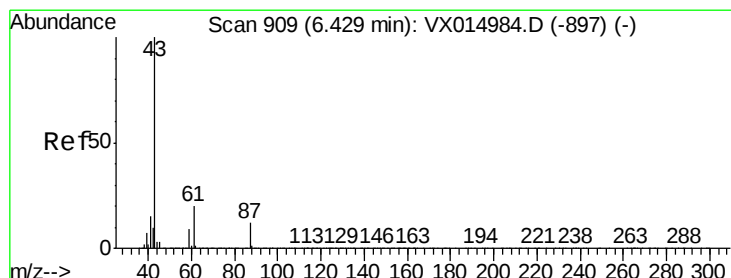
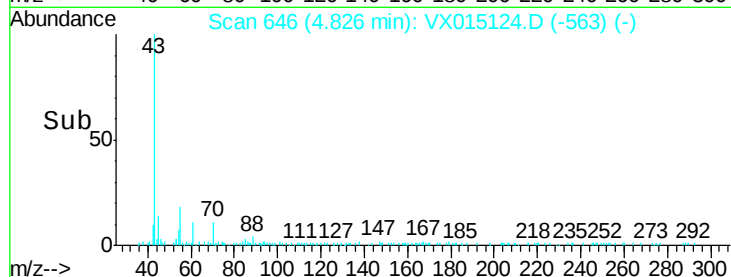
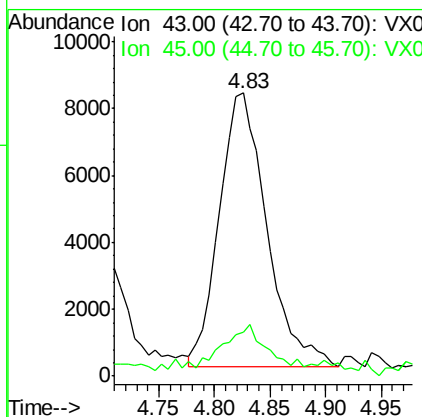
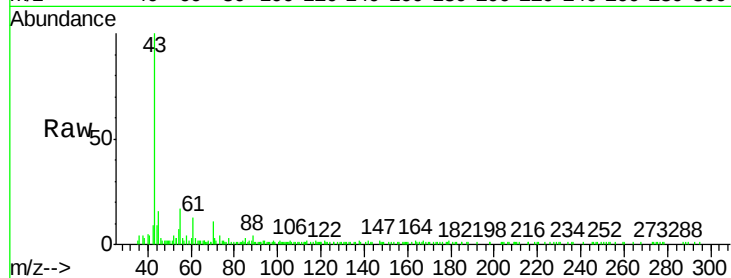
#43
Ethyl Acetate
Concen: 5.296 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
45	14.6	10.8	16.2

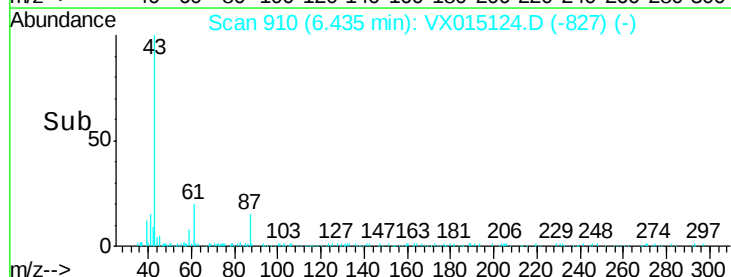
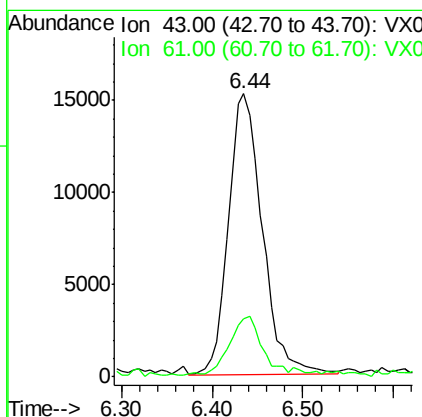
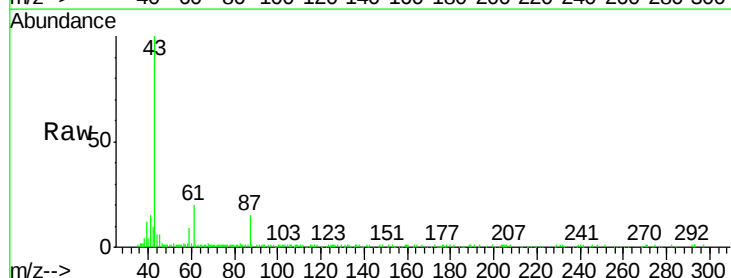
Manual Integrations
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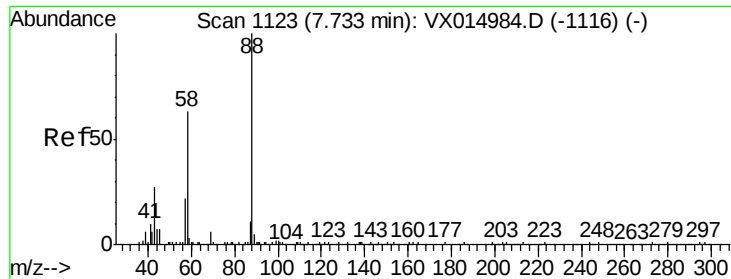
MMDadoda
3/9/2020 9:36:47 AM



#44
Isopropyl Acetate
Concen: 5.146 ug/l
RT: 6.44 min Scan# 910
Delta R.T. 0.01 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.6	23.4





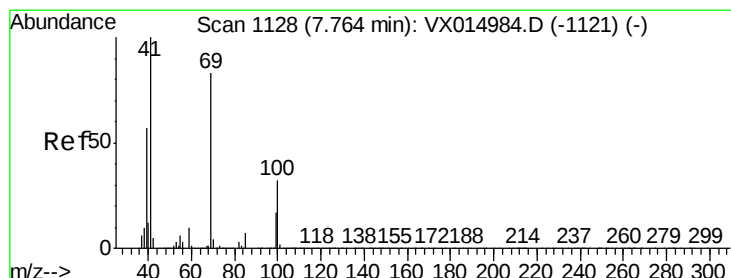
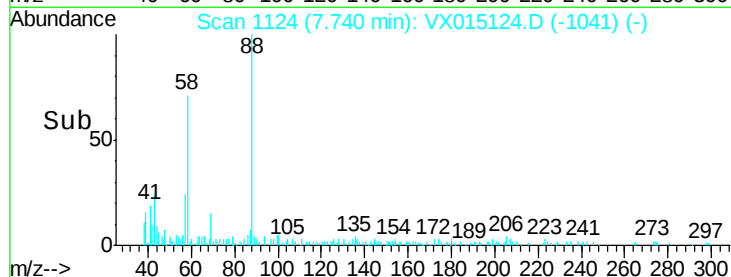
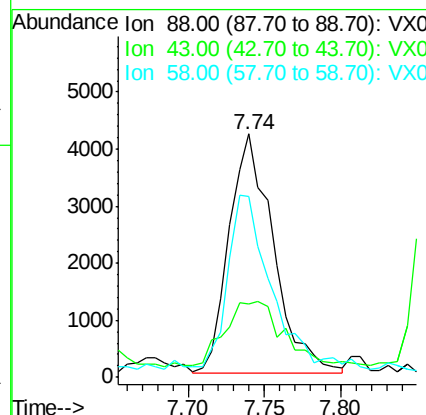
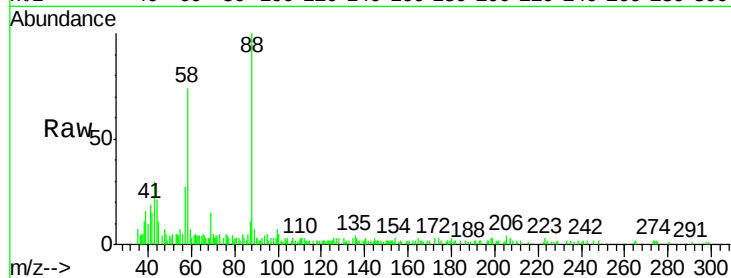
#45
1,4-Dioxane
Concen: 118.618 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	16.8	25.4	38.2#
58	69.3	55.8	83.8

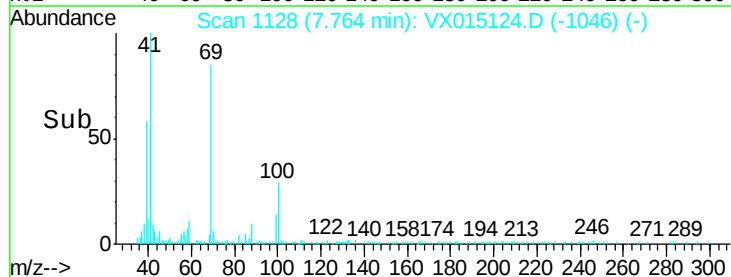
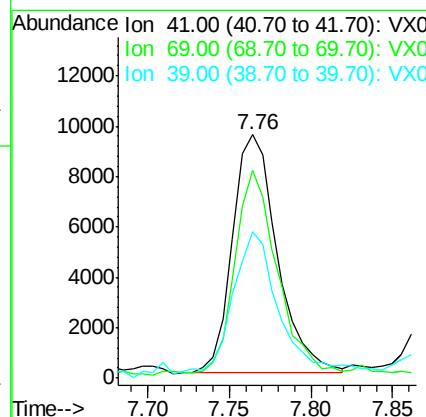
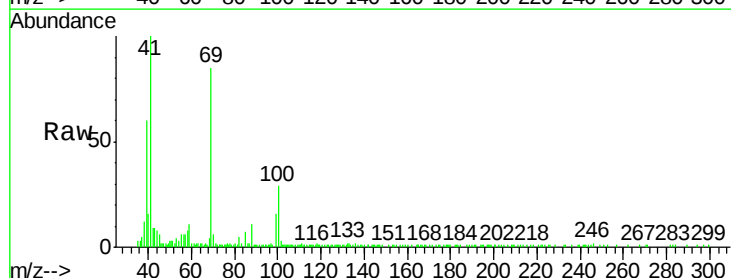
Manual Integrations
APPROVED

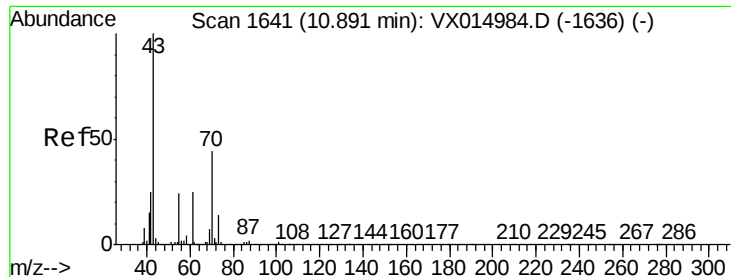
MMDadoda
3/9/2020 9:36:47 AM



#46
Methyl methacrylate
Concen: 4.747 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.3	41.4	124.2
39	57.8	28.3	84.9





#47

n-amvl Acetate

Concen: 4.412 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 29344

Ion Ratio Lower Upper

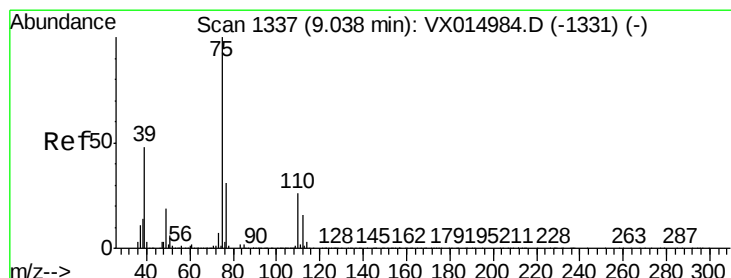
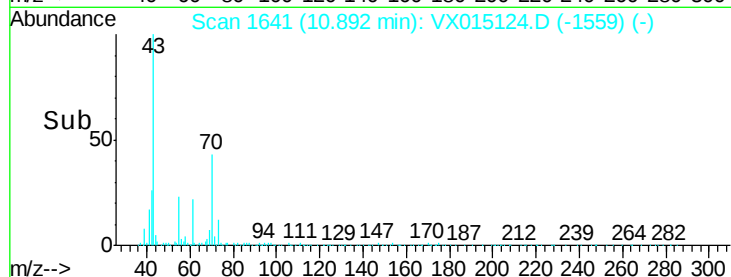
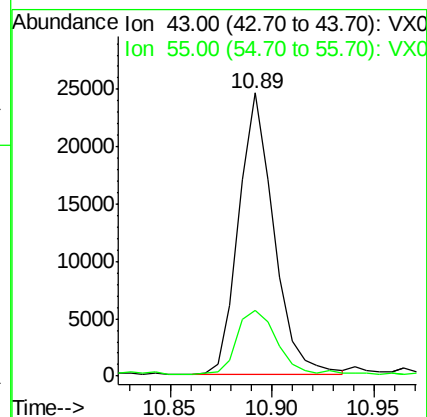
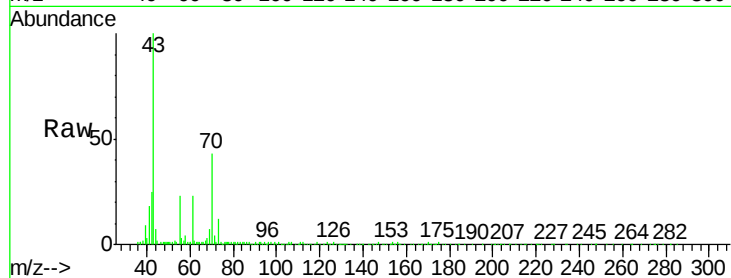
43 100

55 25.9 19.2 28.8

Manual Integrations
APPROVED

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#48

t-1,3-Dichloropropene

Concen: 4.758 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX015124.D

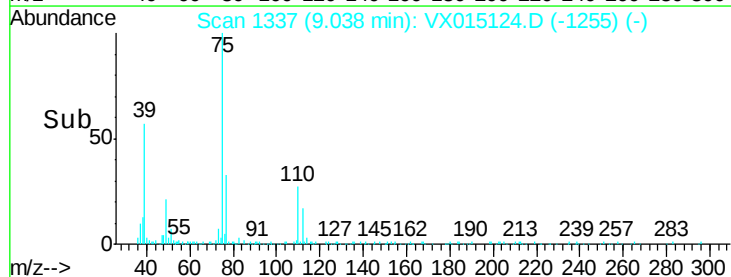
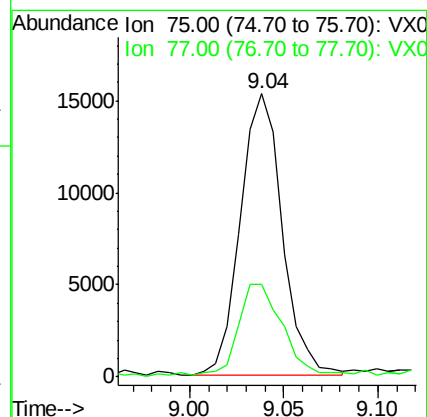
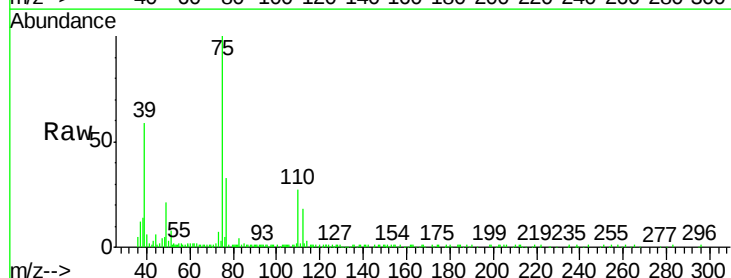
Acq: 06 Mar 2020 14:09

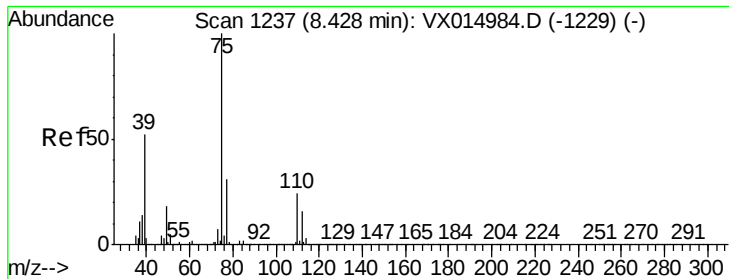
Tgt Ion: 75 Resp: 23648

Ion Ratio Lower Upper

75 100

77 32.1 24.6 36.8





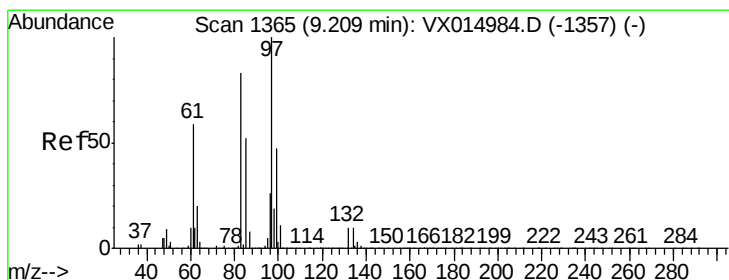
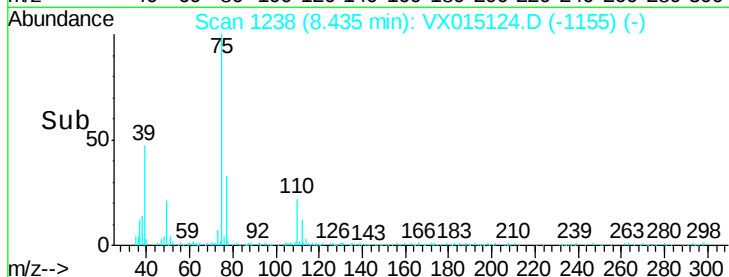
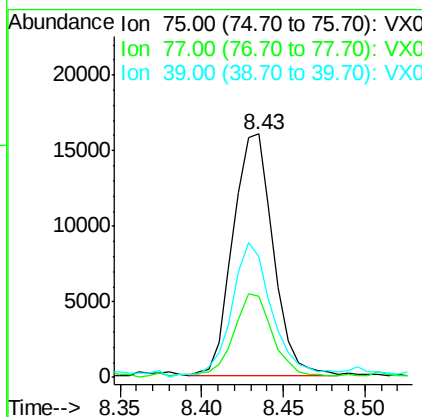
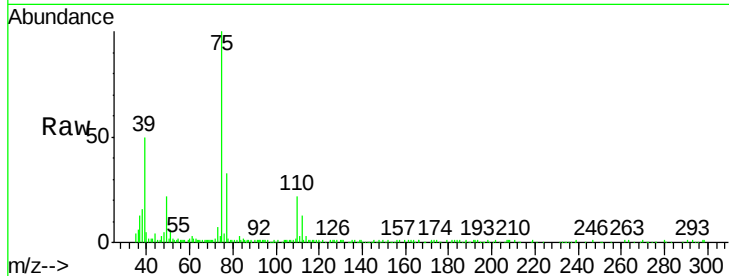
#49
 cis-1,3-Dichloropropene
 Concen: 5.038 ug/l
 RT: 8.43 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VX015124.D
 Acq: 06 Mar 2020 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion	75	Resp	27567
Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.6	36.8
39	48.7	41.5	62.3

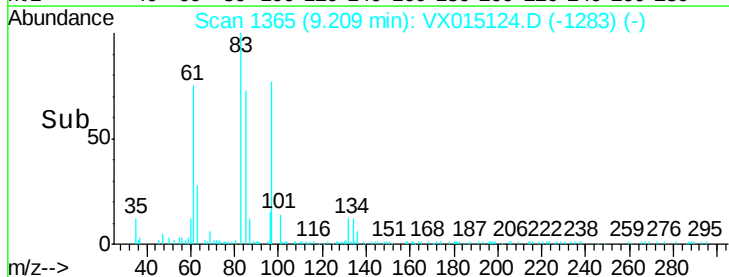
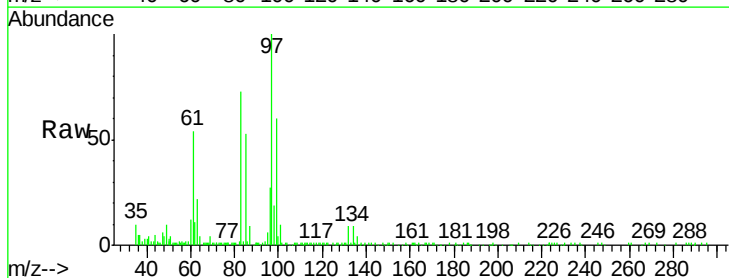
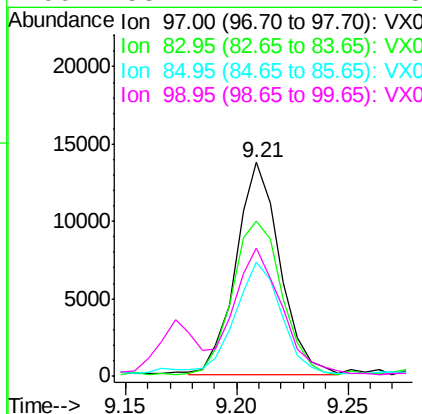
Manual Integrations
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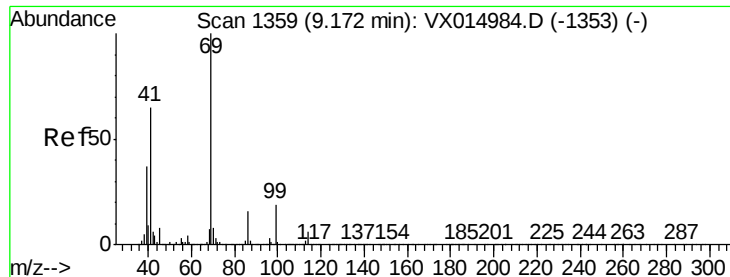
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 3/9/2020 9:36:47 AM



#50
 1,1,2-Trichloroethane
 Concen: 5.603 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX015124.D
 Acq: 06 Mar 2020 14:09

Tgt Ion	97	Resp	18934
Ion	Ratio	Lower	Upper
97	100		
83	72.7	66.2	99.2
85	52.7	42.4	63.6
99	58.7	47.7	71.5





#51

Ethyl methacrylate

Concen: 4.689 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

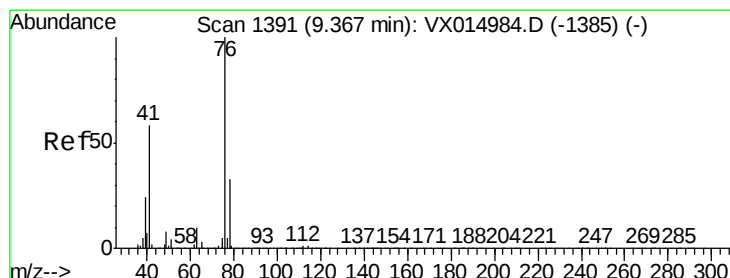
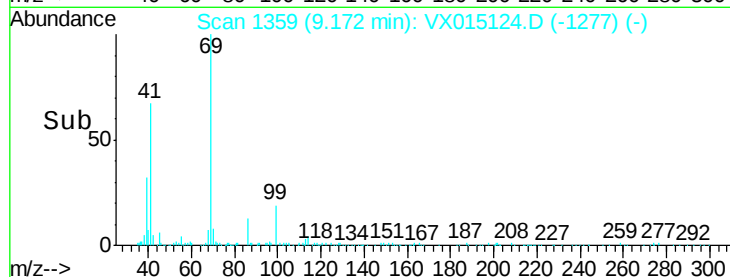
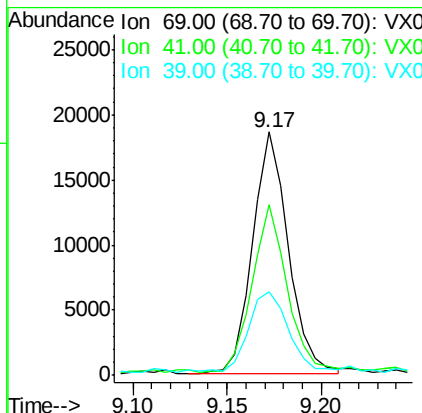
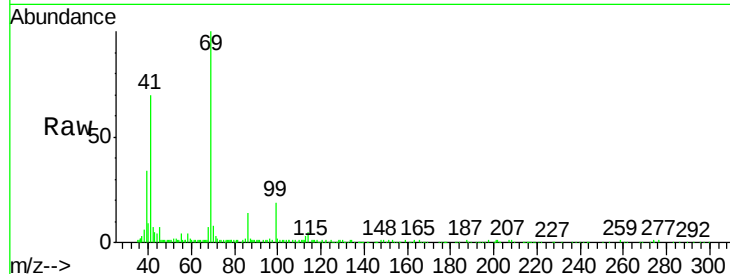
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	69	Resp:	24452
Ion	Ratio	Lower	Upper
69	100		
41	68.6	32.7	98.1
39	32.3	18.2	54.6

Manual Integrations
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3/9/2020 9:36:47 AM



#52

1,3-Dichloropropane

Concen: 5.432 ug/l

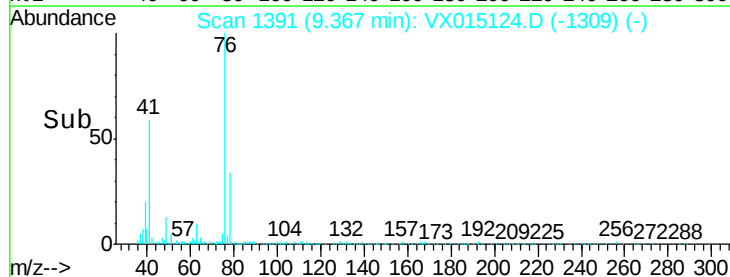
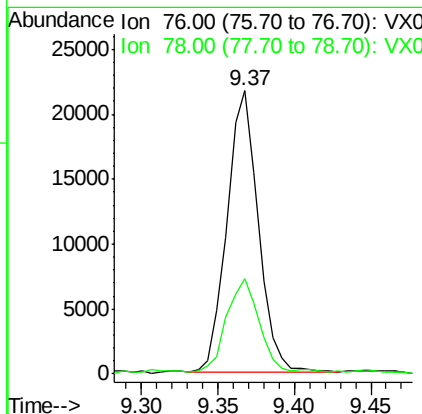
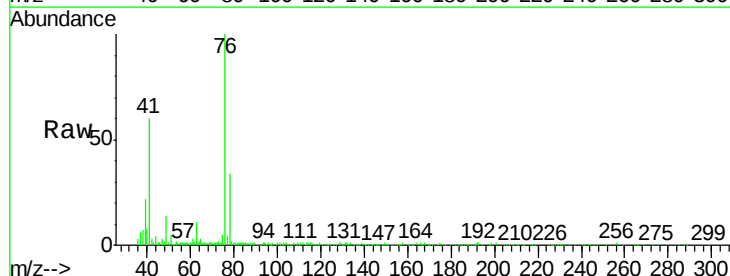
RT: 9.37 min Scan# 1391

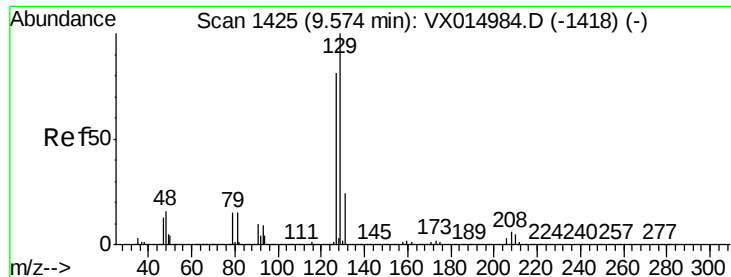
Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Tgt Ion:	76	Resp:	31051
Ion	Ratio	Lower	Upper
76	100		
78	34.6	0.0	65.0





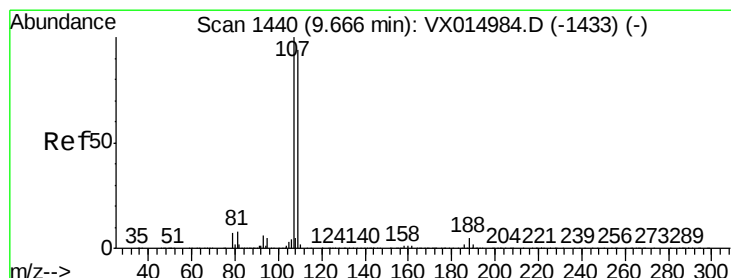
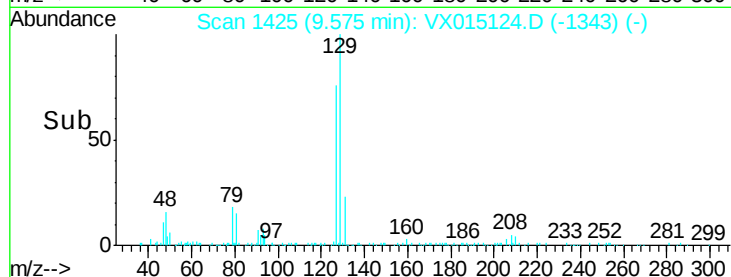
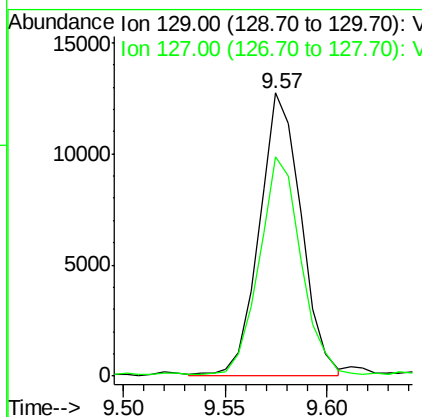
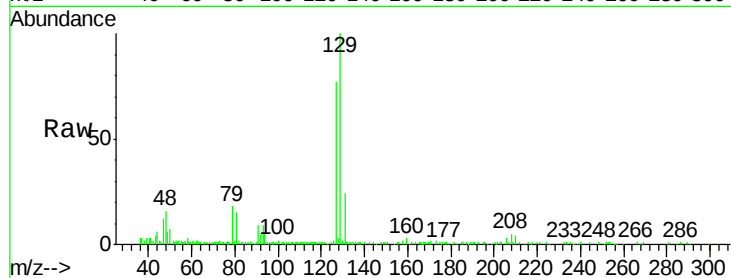
#53
Dibromochloromethane
Concen: 4.963 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		18132		
127	77.5	38.3	114.9		

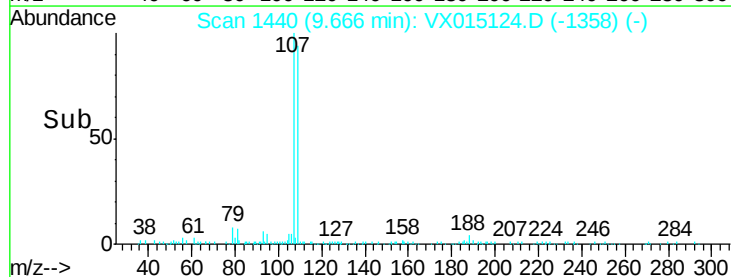
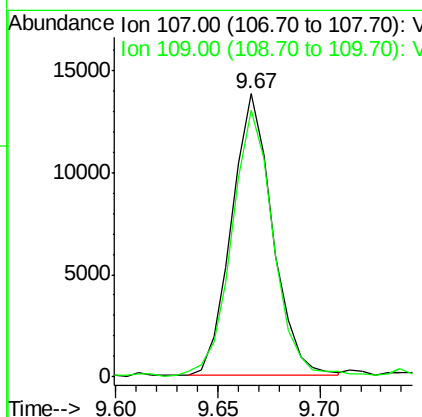
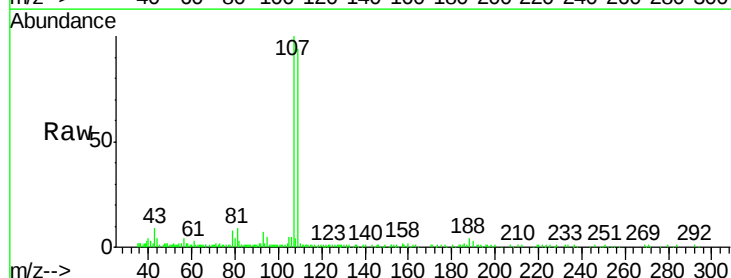
Manual Integrations
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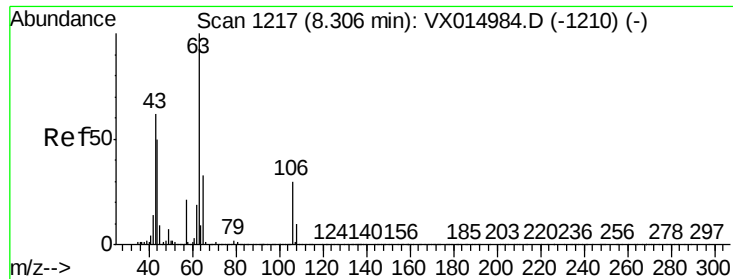
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3/9/2020 9:36:47 AM



#54
1,2-Dibromoethane
Concen: 5.327 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		19109		
109	95.5	76.3	114.5		





#55

2-Chloroethyl vinyl ether

Concen: 24.102 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

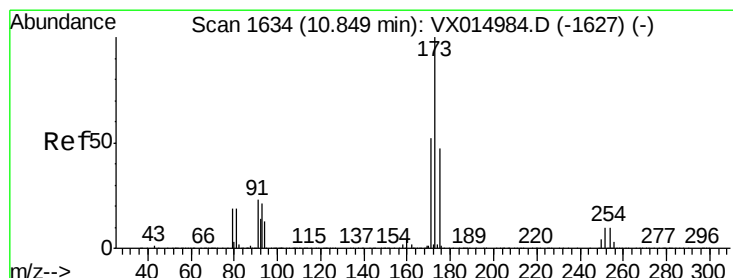
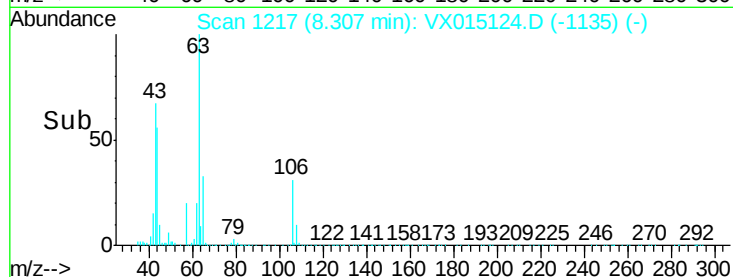
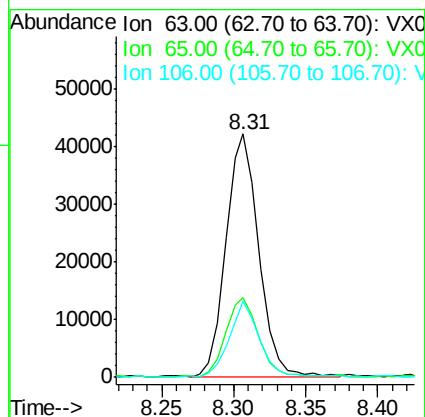
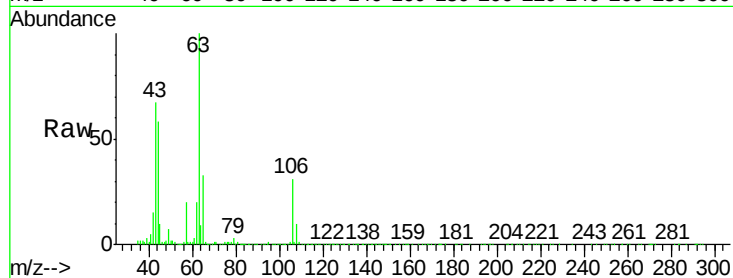
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	63	Resp:	66957
Ion	Ratio	Lower	Upper
63	100		
65	32.0	26.0	39.0
106	29.1	23.9	35.9

Manual Integrations
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#56

Bromoform

Concen: 4.514 ug/l

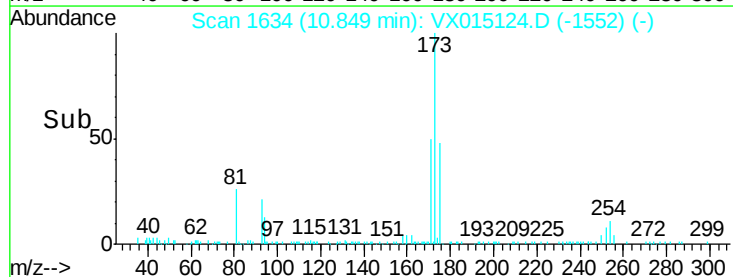
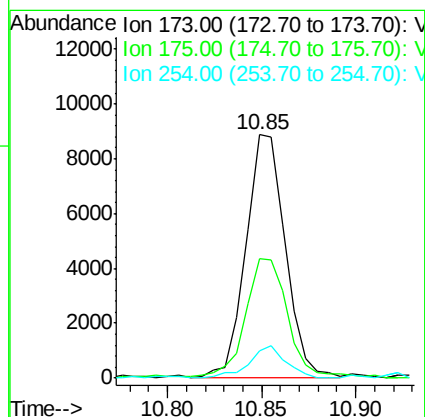
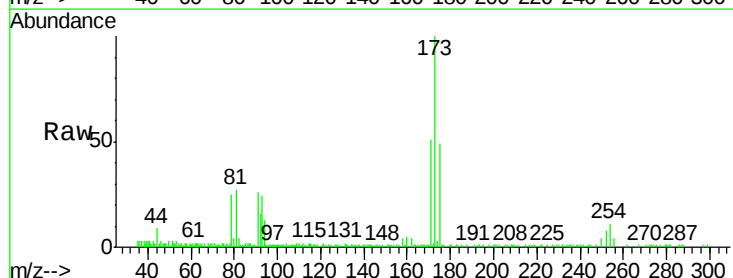
RT: 10.85 min Scan# 1634

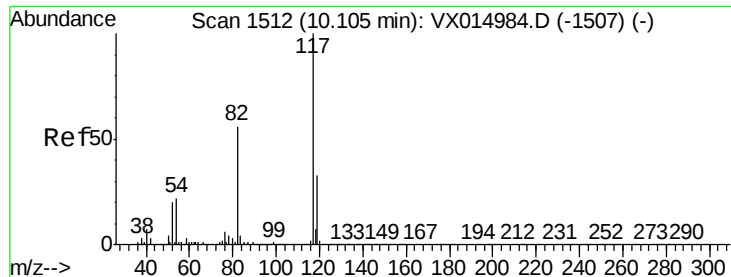
Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Tgt Ion:	173	Resp:	12927
Ion	Ratio	Lower	Upper
173	100		
175	52.8	38.6	57.8
254	12.4	8.6	13.0





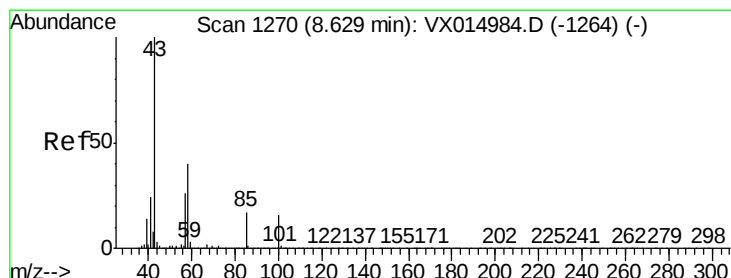
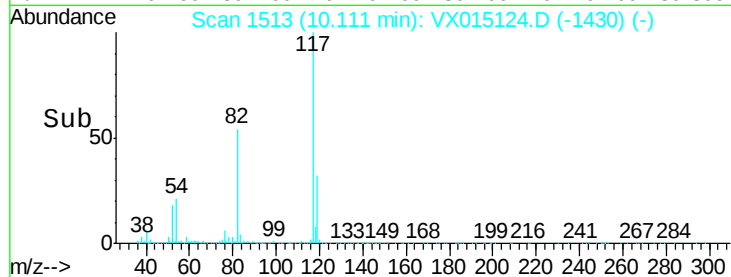
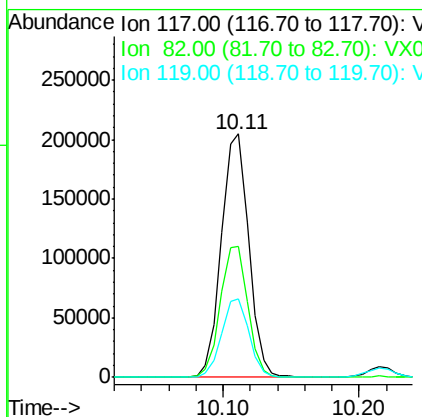
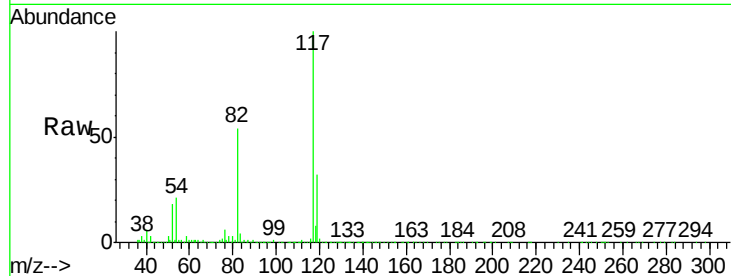
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.4	65.2
119	32.2	26.0	39.0

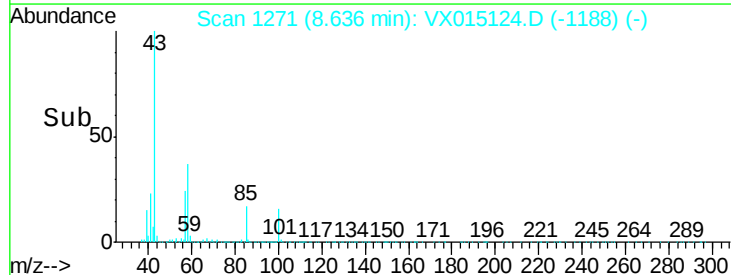
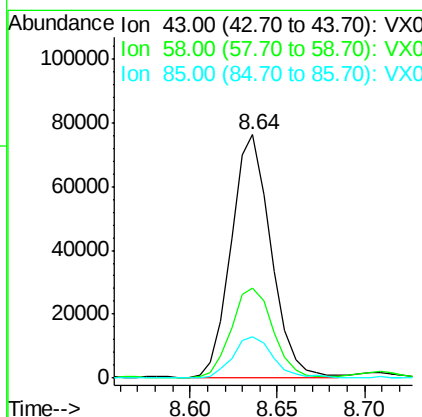
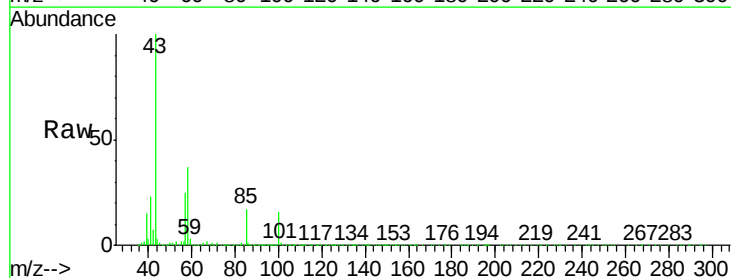
Manual Integrations
APPROVED

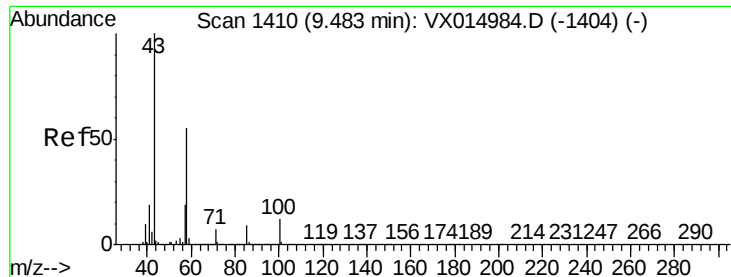
MMDadoda
3/9/2020 9:36:47 AM



#58
4-Methyl-2-Pentanone
Concen: 25.634 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.7	47.5
85	16.5	14.4	21.6





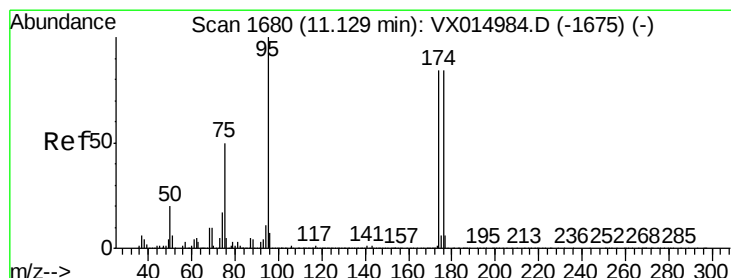
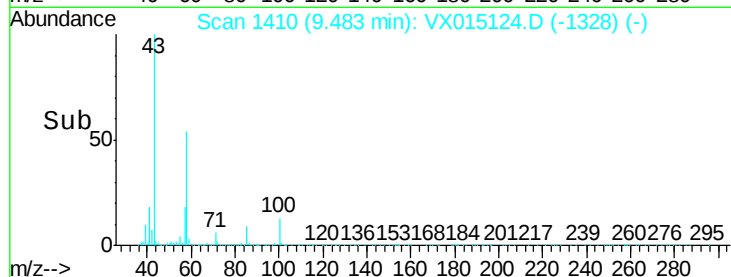
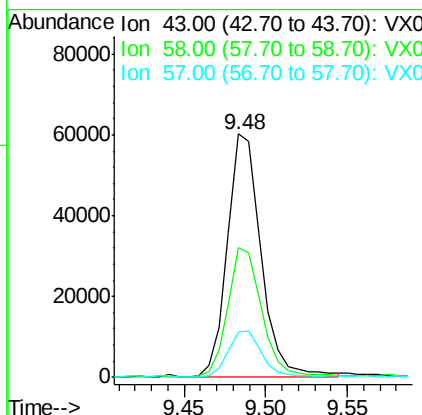
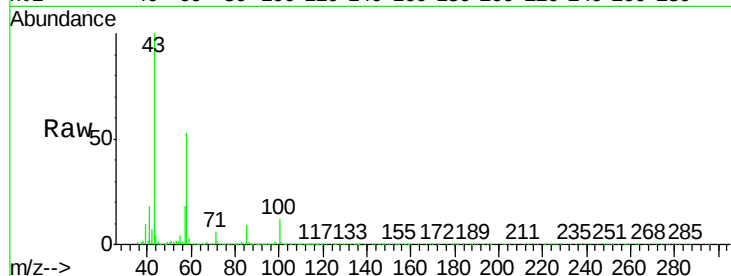
#59
2-Hexanone
Concen: 23.292 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	44.1	66.1
57	19.3	15.3	22.9

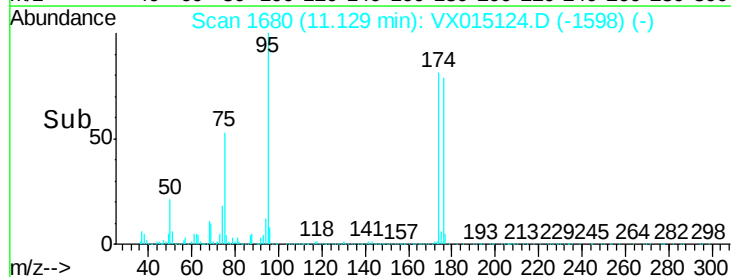
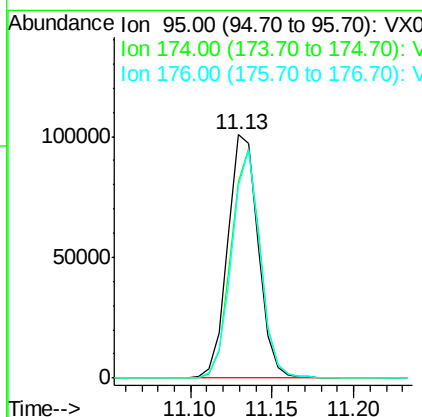
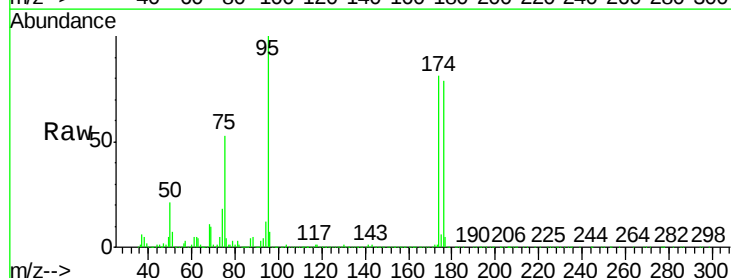
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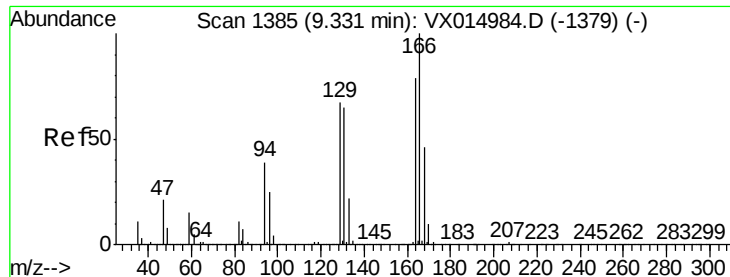
MMDadoda
3/9/2020 9:36:47 AM



#60
4-Bromofluorobenzene
Concen: 29.275 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	72.3	108.5
176	87.4	72.0	108.0





#61

Tetrachloroethene

Concen: 5.202 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:164 Resp: 20026

Ion Ratio Lower Upper

164 100

166 134.9 101.2 151.8

129 95.3 67.6 101.4

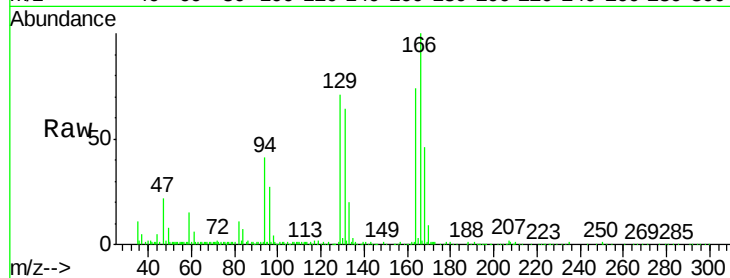
131 86.4 66.0 99.0

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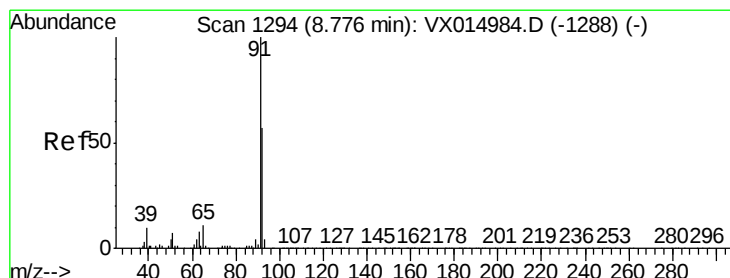
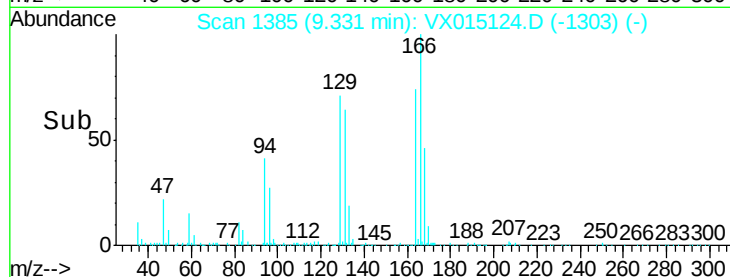
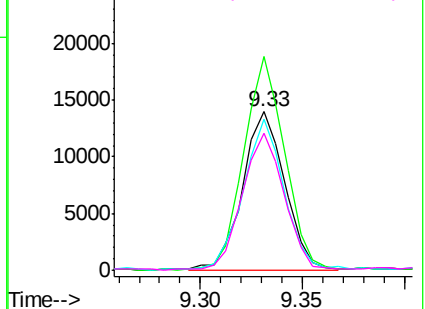


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.387 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX015124.D

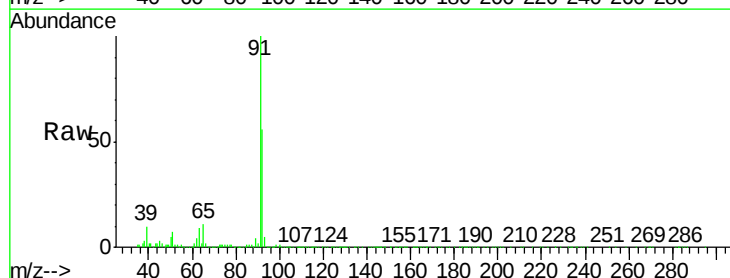
Acq: 06 Mar 2020 14:09

Tgt Ion: 91 Resp: 79093

Ion Ratio Lower Upper

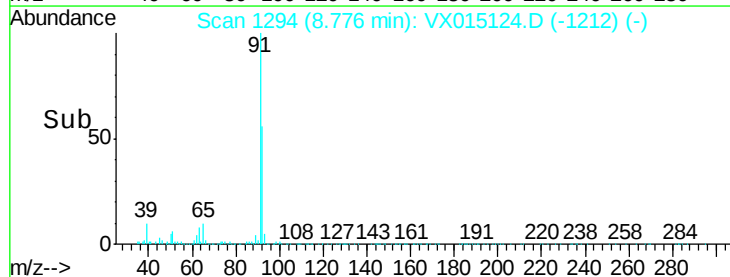
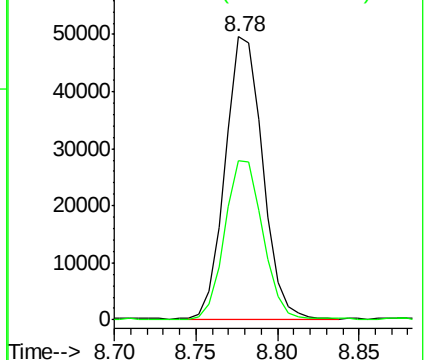
91 100

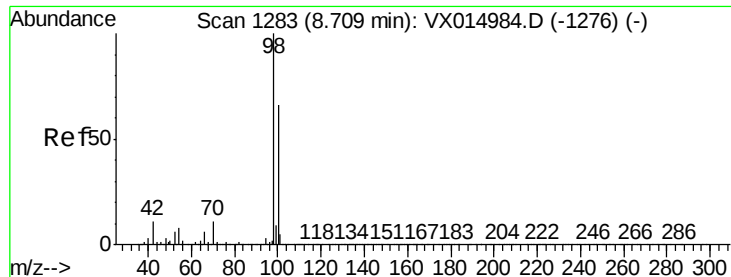
92 57.6 46.6 69.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





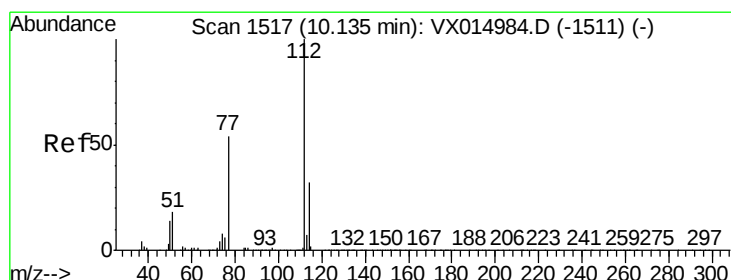
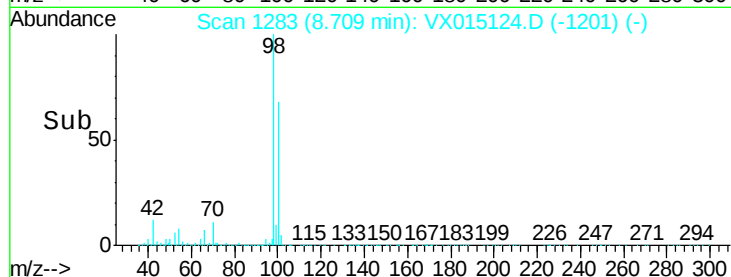
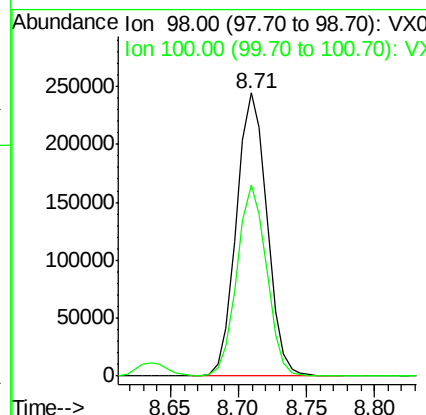
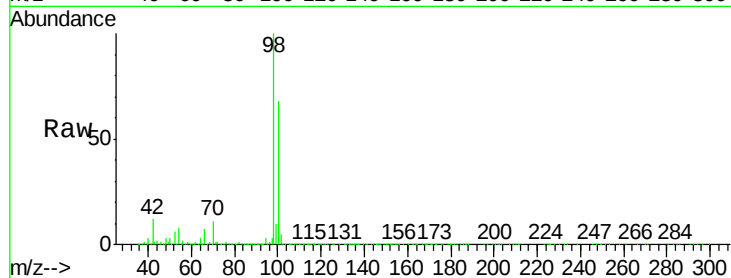
#63
Toluene-d8
Concen: 30.626 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 98 Resp: 382794
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2

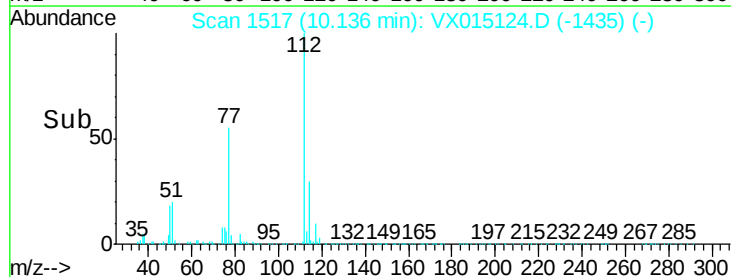
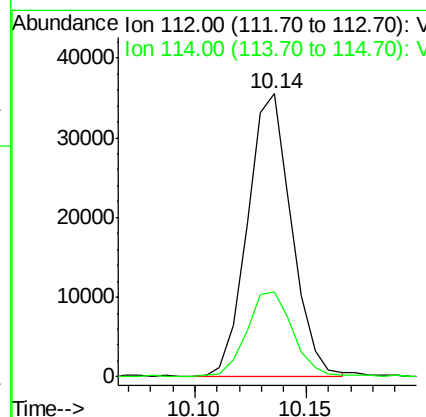
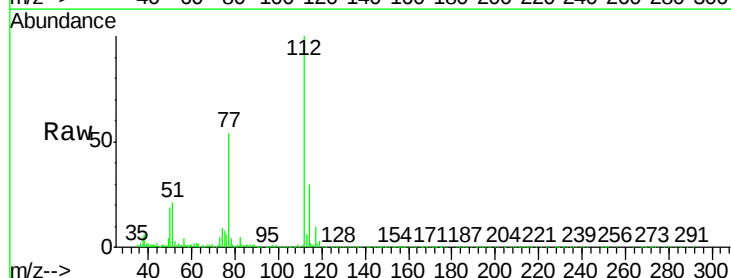
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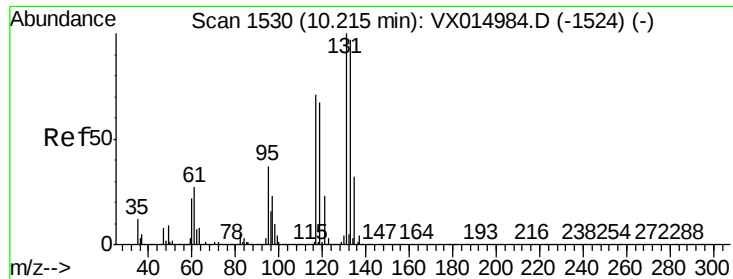
MMDadoda
3/9/2020 9:36:47 AM



#64
Chlorobenzene
Concen: 5.234 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion: 112 Resp: 49051
Ion Ratio Lower Upper
112 100
114 29.6 25.8 38.6





#65

1,1,1,2-Tetrachloroethane

Concen: 4.938 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

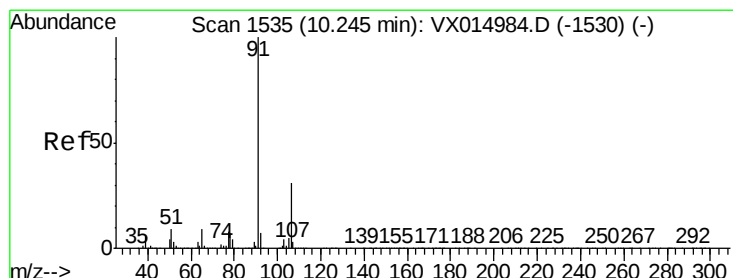
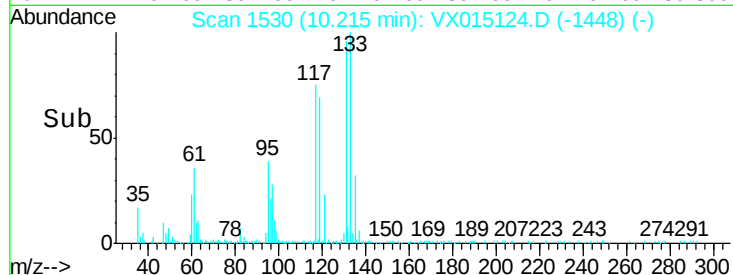
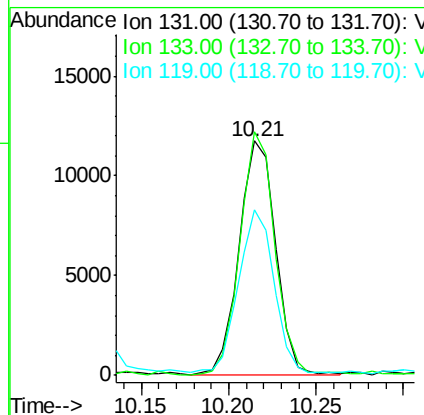
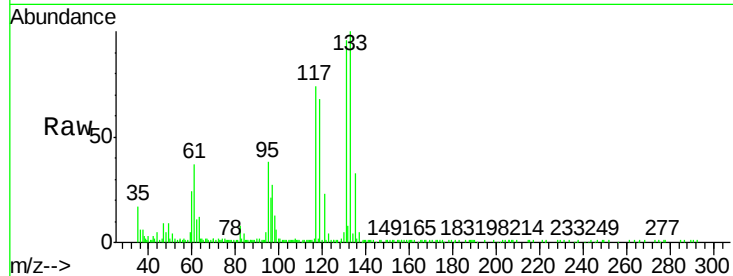
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	131	Resp:	17140
Ion Ratio	Lower	Upper	
131	100		
133	98.6	0.0	191.4
119	68.2	0.0	132.0

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#66

Ethyl Benzene

Concen: 4.973 ug/l

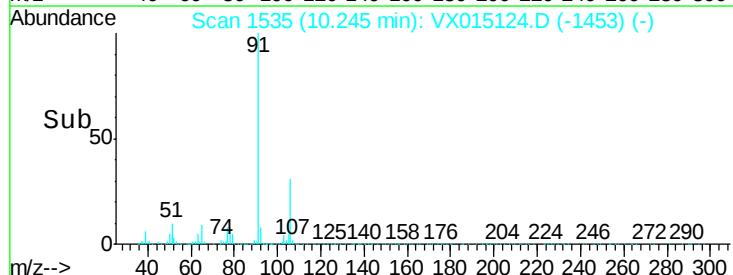
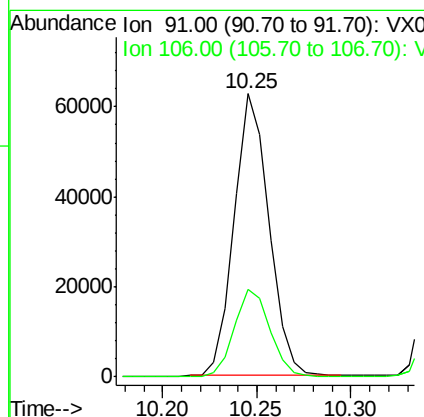
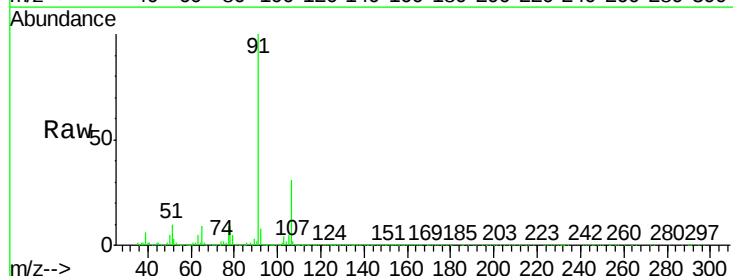
RT: 10.25 min Scan# 1535

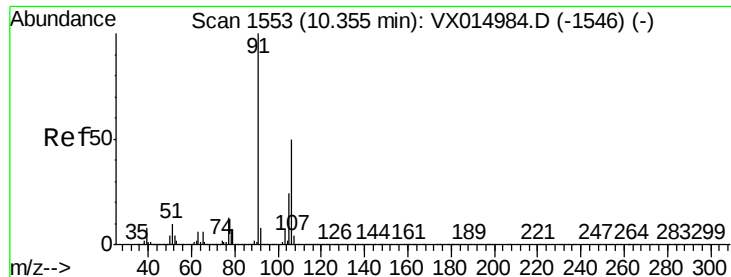
Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Tgt Ion:	91	Resp:	80421
Ion Ratio	Lower	Upper	
91	100		
106	30.5	24.7	37.1





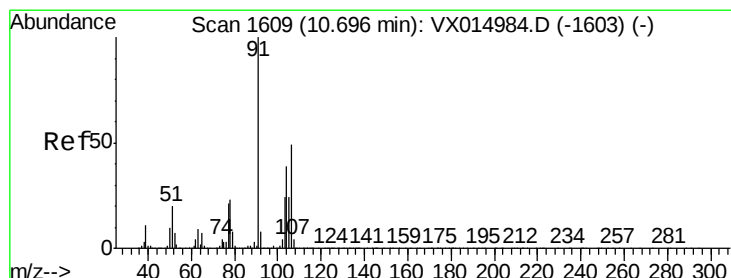
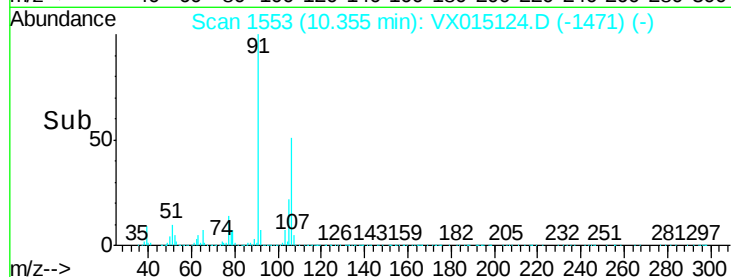
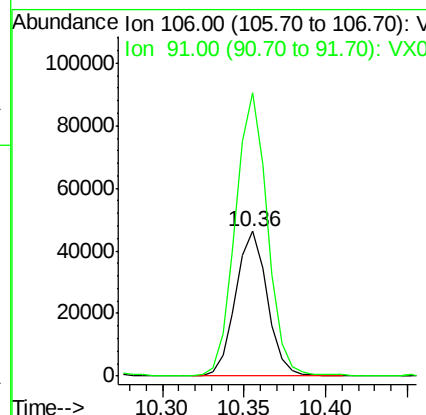
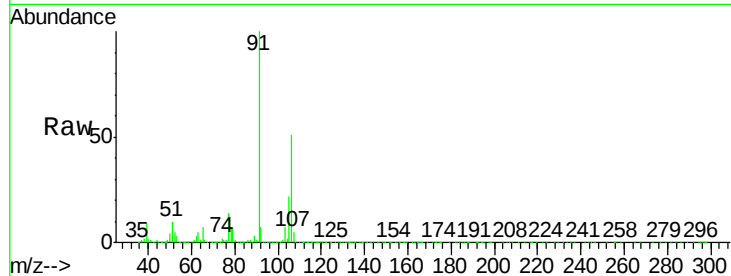
#67
m/p-Xvlenes
Concen: 10.084 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
106	100		
91	196.6	160.4	240.6

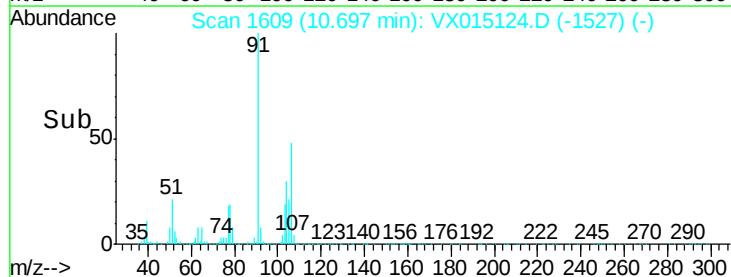
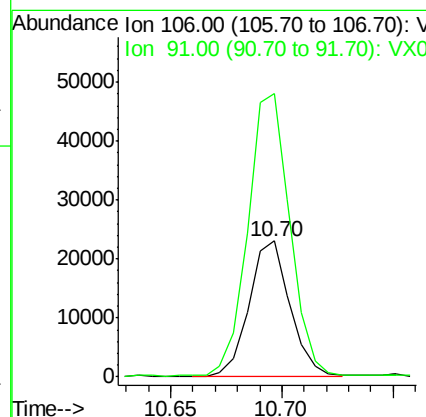
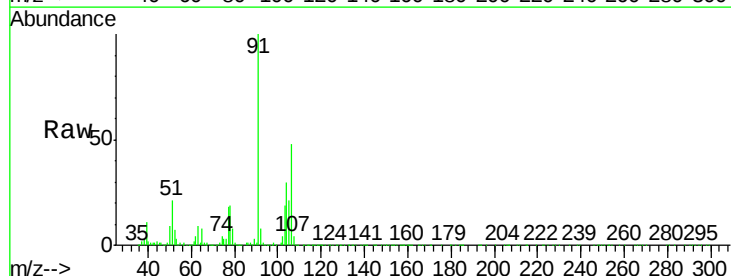
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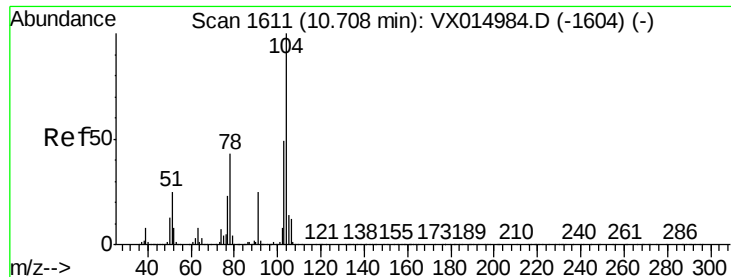
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#68
o-Xylene
Concen: 4.891 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
106	100		
91	213.5	105.3	315.9





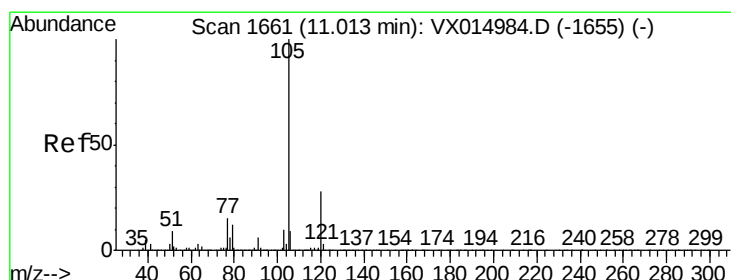
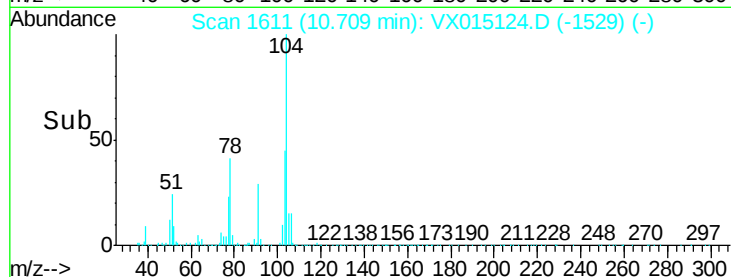
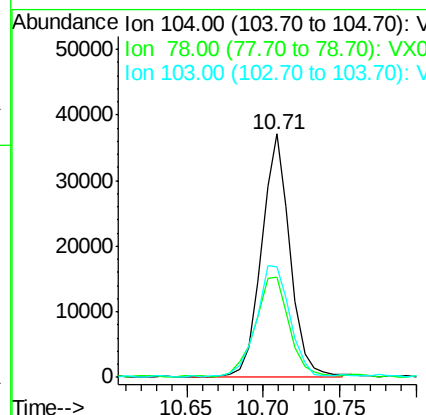
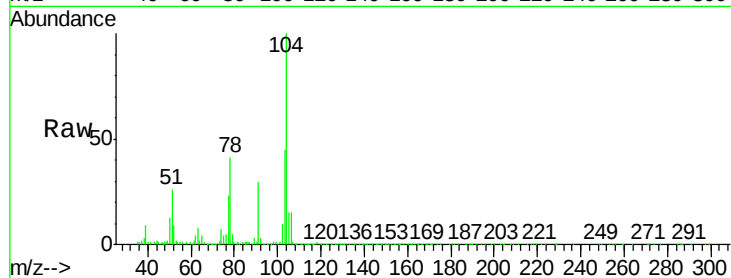
#69
Stvrene
Concen: 4.674 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.3	39.4	59.2
103	54.1	42.9	64.3

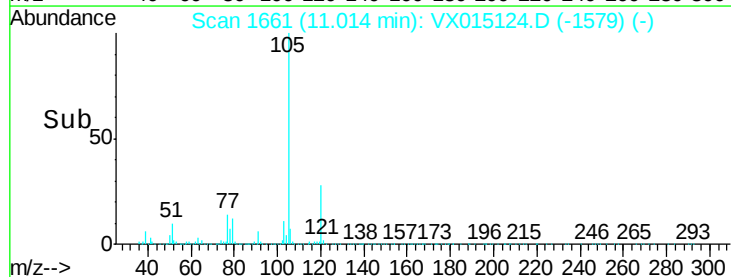
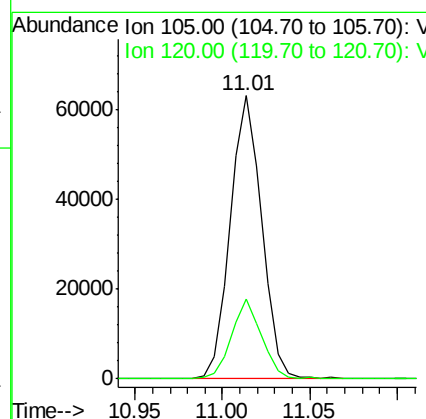
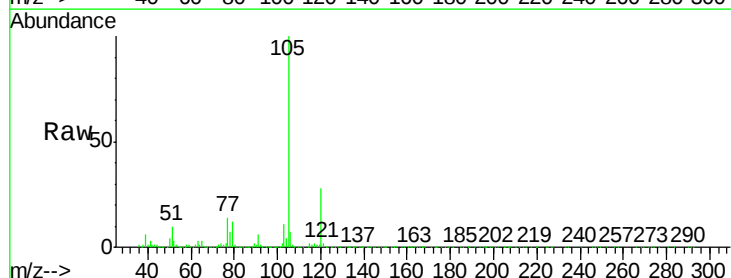
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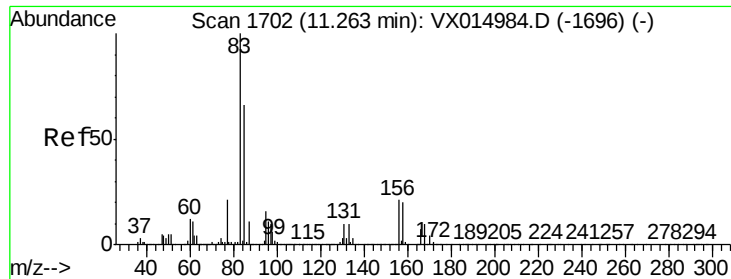
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#70
Isopropylbenzene
Concen: 4.895 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	18.8	35.0





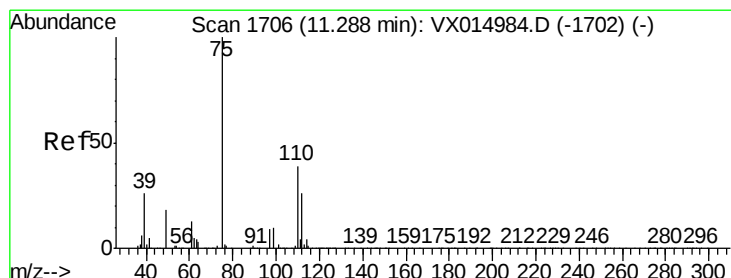
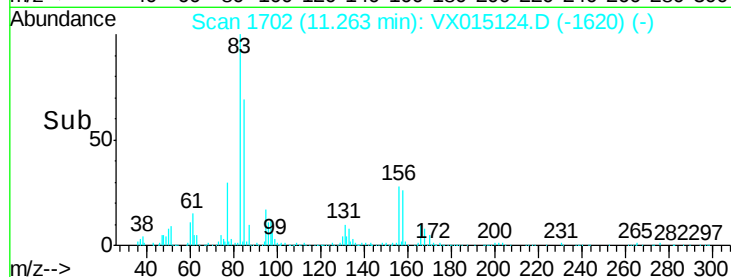
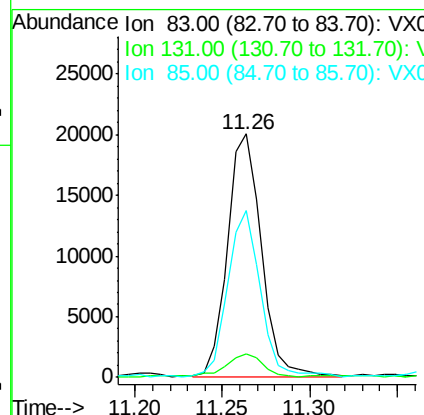
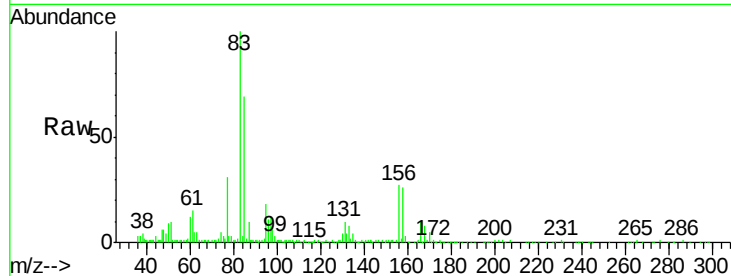
#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.206 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX015124.D
 Acq: 06 Mar 2020 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion	83	Resp	26868
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	5.1	15.4
85	66.0	32.2	96.6

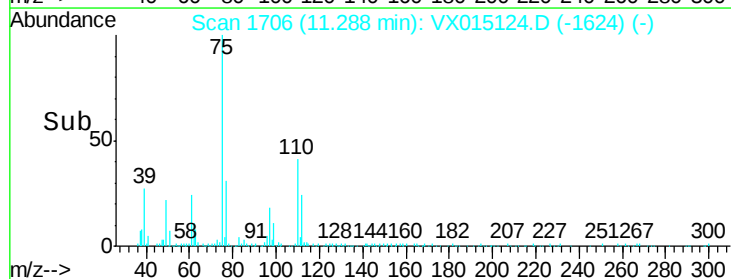
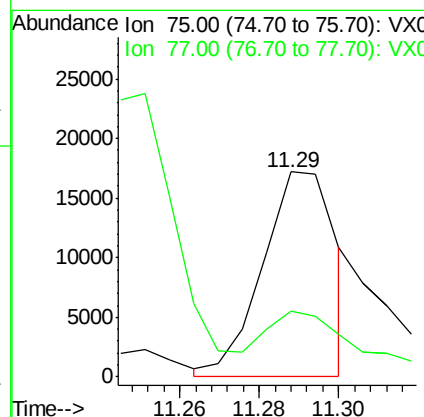
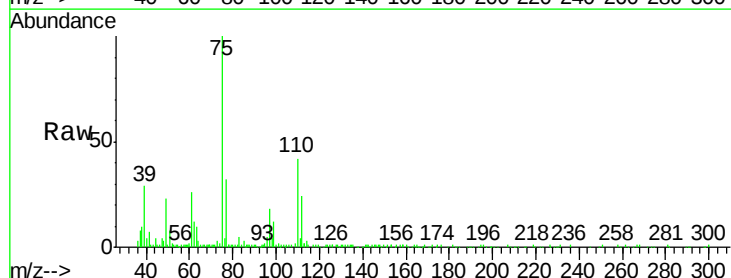
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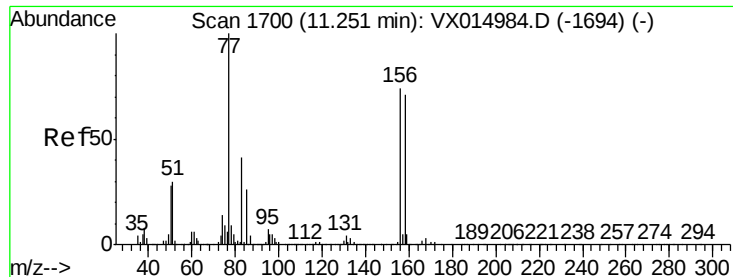
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 5.180 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX015124.D
 Acq: 06 Mar 2020 14:09

Tgt Ion	75	Resp	22175
Ion Ratio	100	Lower	Upper
75	100		
77	39.4	0.0	75.4





#73

Bromobenzene

Concen: 5.112 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

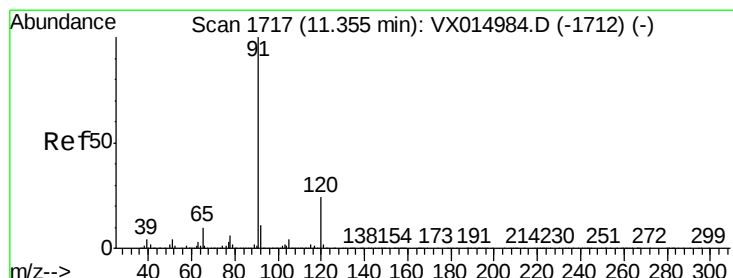
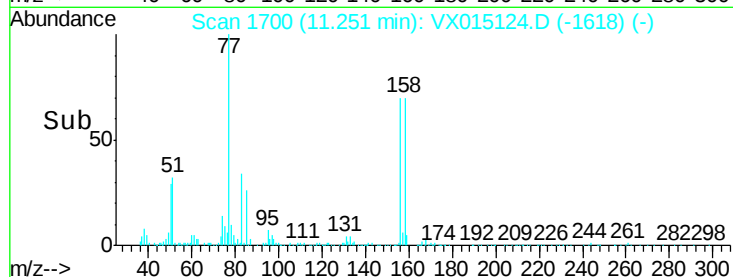
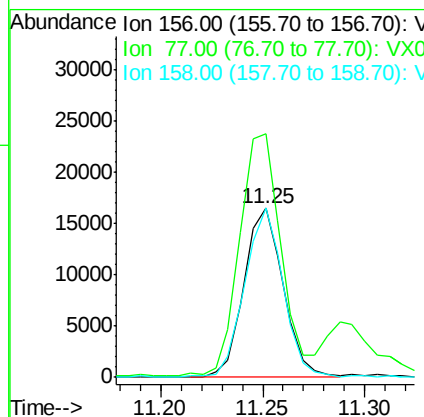
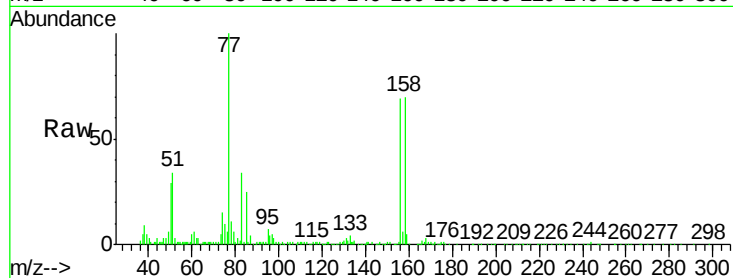
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	156	Resp:	22139
Ion Ratio	Lower	Upper	
156	100		
77	151.7	0.0	286.8
158	96.4	0.0	191.8

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#74

n-propylbenzene

Concen: 4.960 ug/l

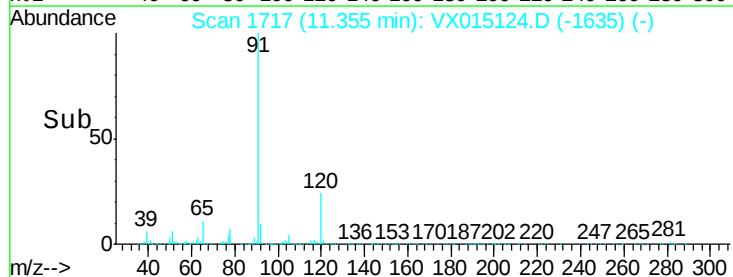
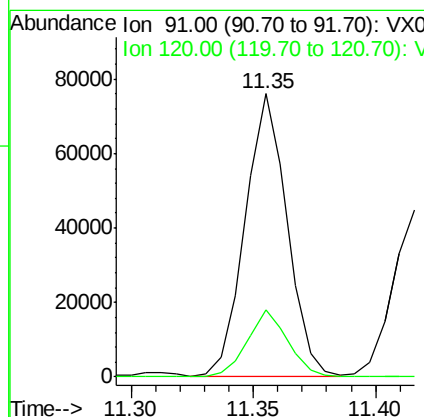
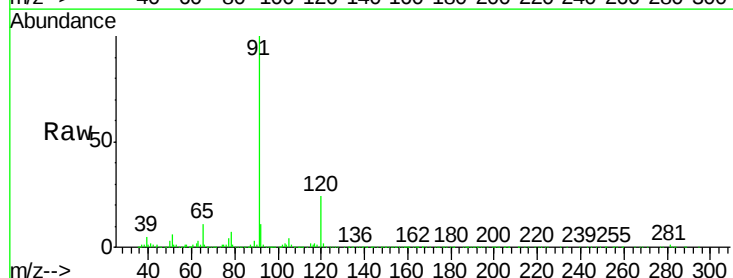
RT: 11.35 min Scan# 1717

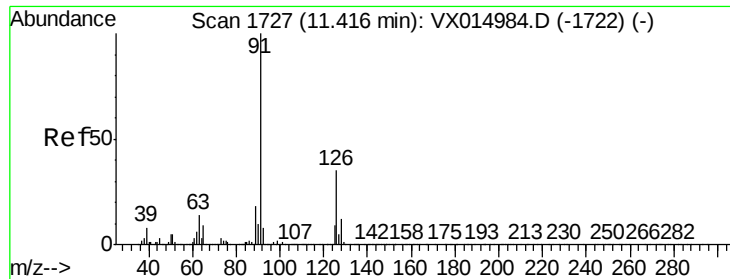
Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Tgt Ion:	91	Resp:	90480
Ion Ratio	Lower	Upper	
91	100		
120	22.5	0.0	47.0





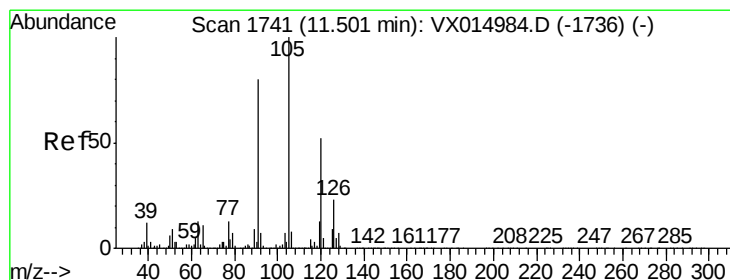
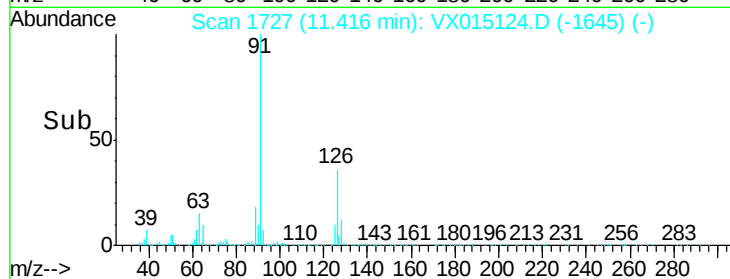
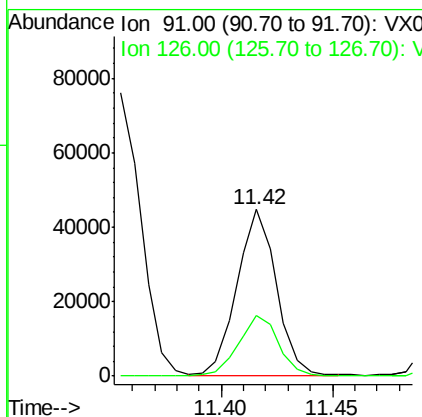
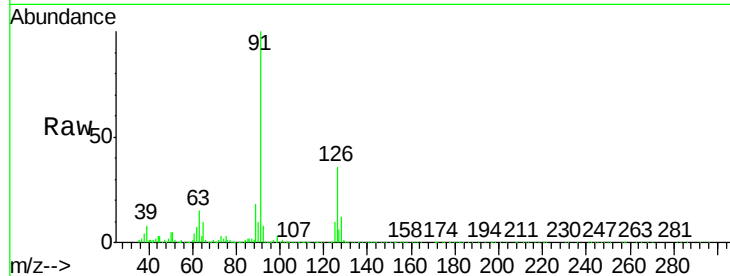
#75
 2-Chlorotoluene
 Concen: 5.106 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX015124.D
 Acq: 06 Mar 2020 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.8	0.0	69.0

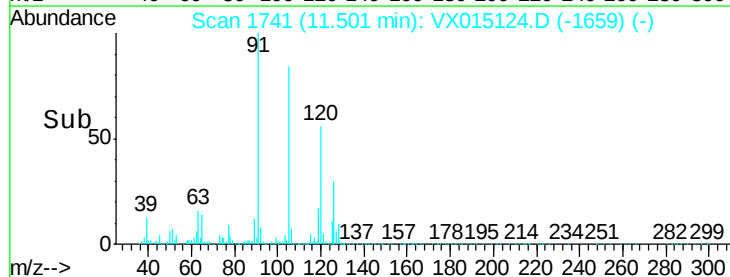
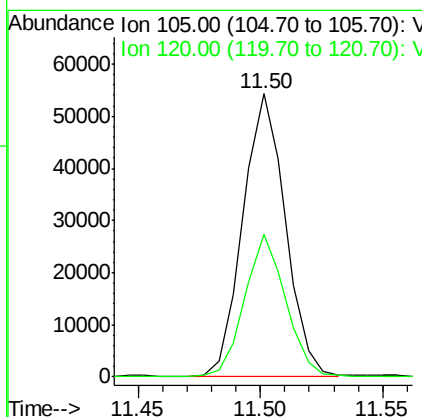
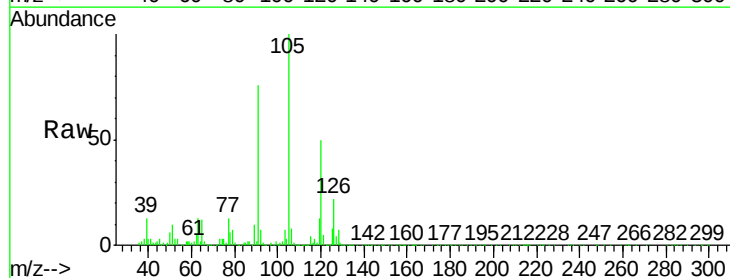
Manual Integrations
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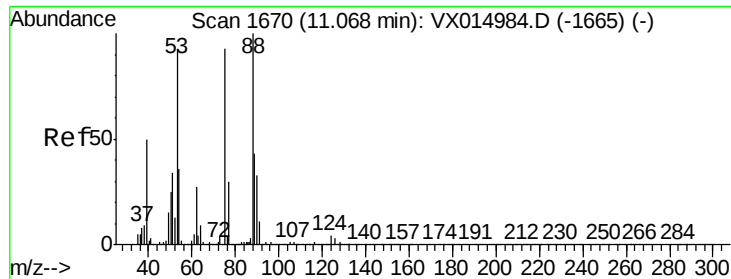
MMDadoda
 3/9/2020 9:36:47 AM



#76
 1,3,5-Trimethylbenzene
 Concen: 4.860 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX015124.D
 Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.6	0.0	101.0





#77

t-1,4-Dichloro-2-butene

Concen: 3.871 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

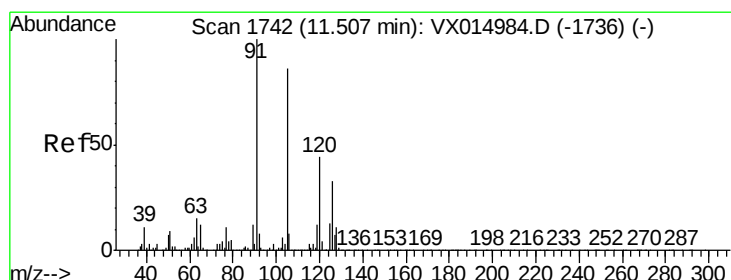
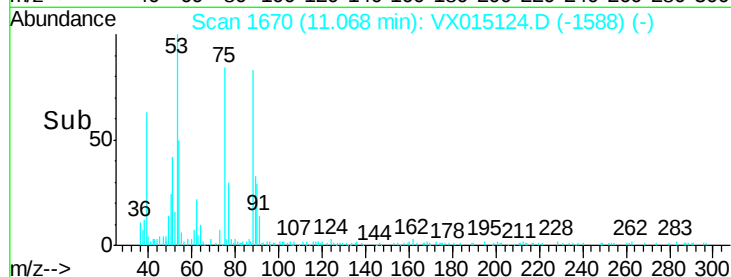
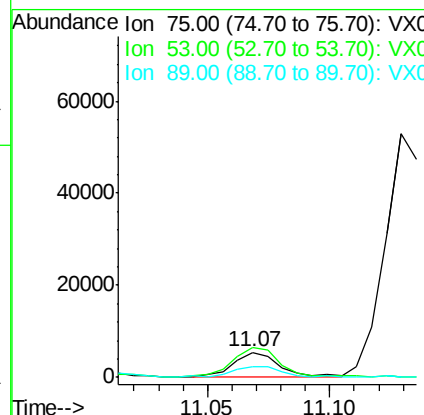
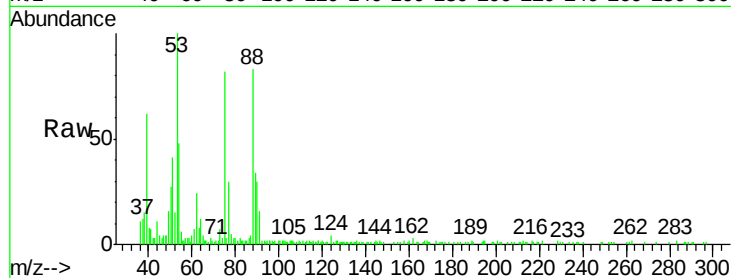
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	75	Resp:	6681
Ion	Ratio	Lower	Upper
75	100		
53	119.4	50.0	149.8
89	37.0	23.5	70.5

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3/9/2020 9:36:47 AM



#78

4-Chlorotoluene

Concen: 4.995 ug/l

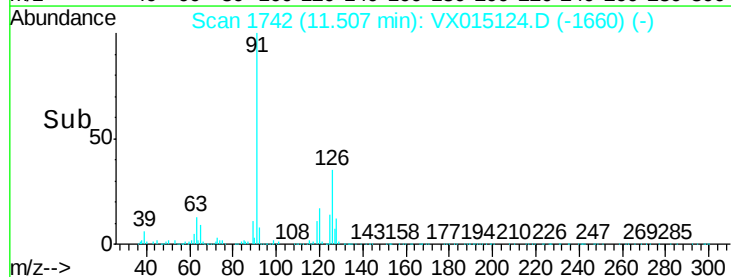
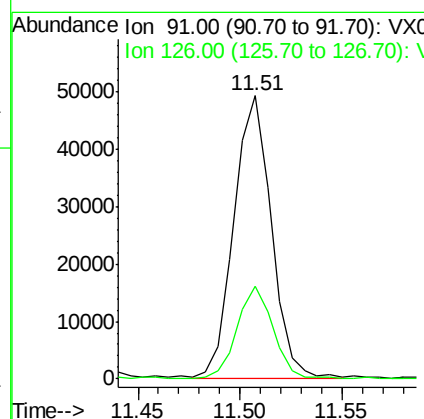
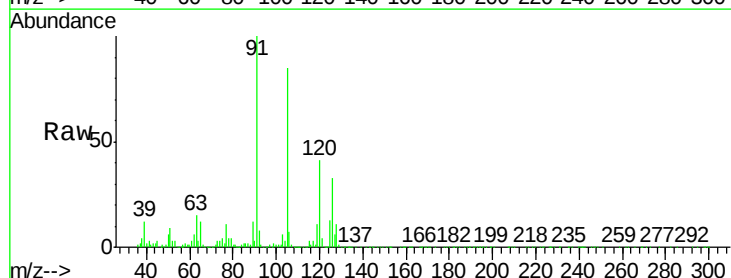
RT: 11.51 min Scan# 1742

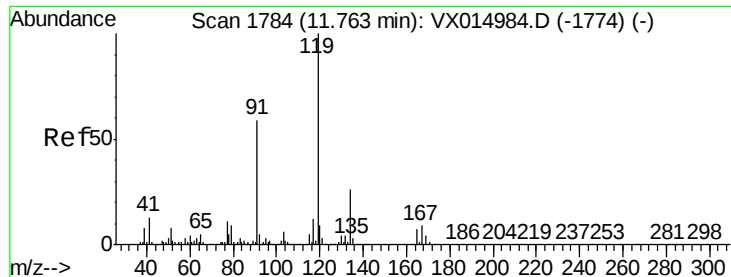
Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Tgt Ion:	91	Resp:	62286
Ion	Ratio	Lower	Upper
91	100		
126	31.3	0.0	62.0





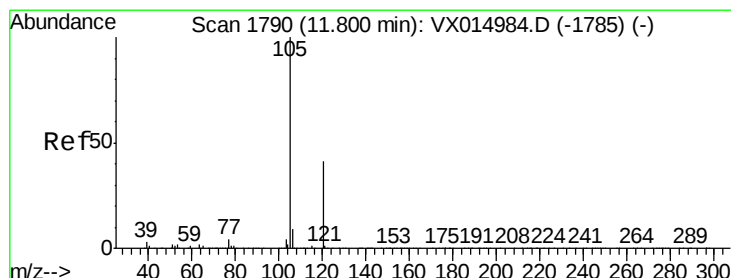
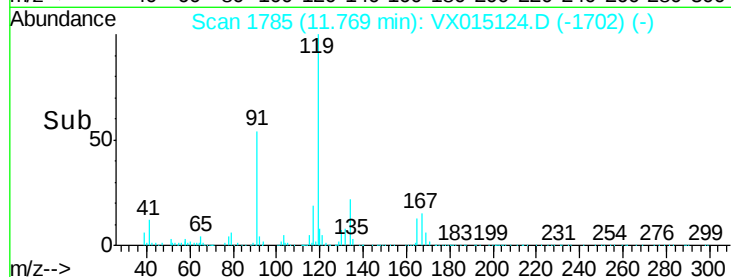
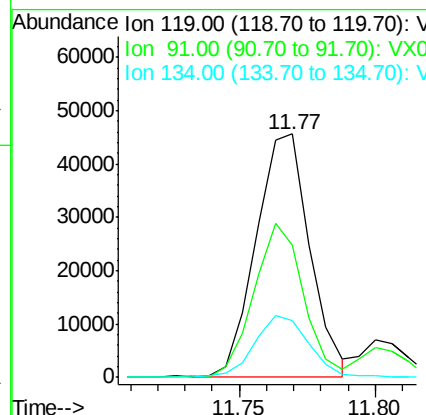
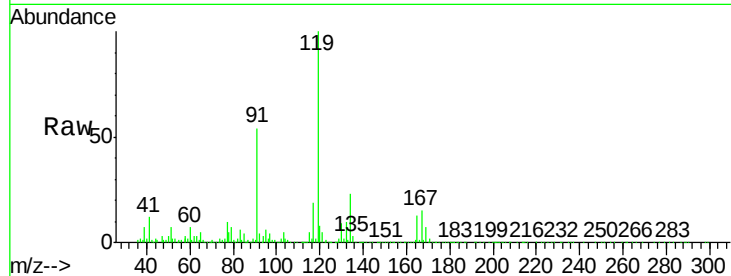
#79
tert-butylbenzene
Concen: 4.801 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	62307		
91	57.9		0.0	114.4
134	25.4		0.0	48.8

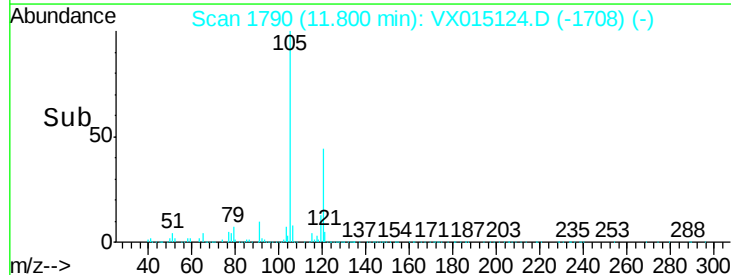
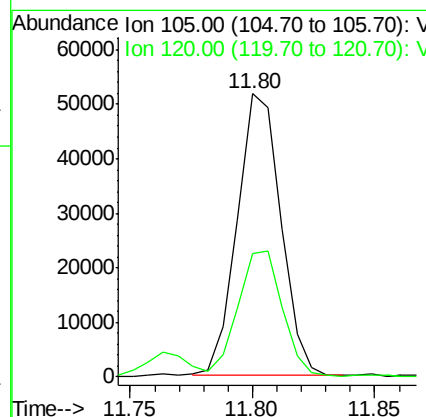
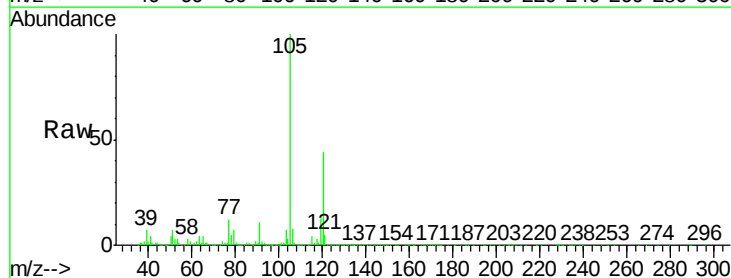
Manual Integrations
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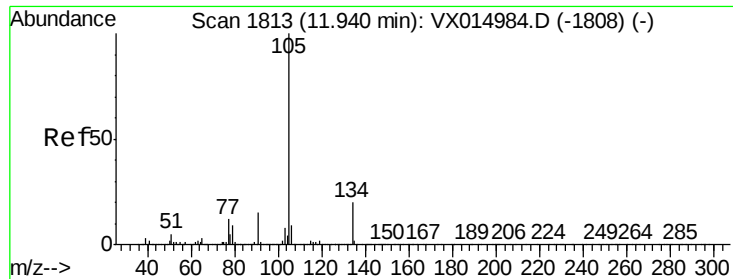
MMDadoda
3/9/2020 9:36:47 AM



#80
1,2,4-Trimethylbenzene
Concen: 4.784 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	63887		
120	45.6		0.0	93.4





#81

sec-Butylbenzene

Concen: 4.740 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:105 Resp: 73663

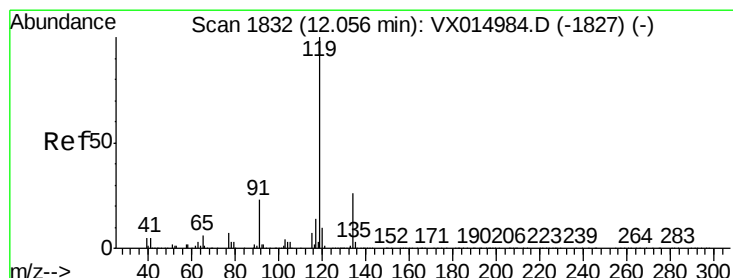
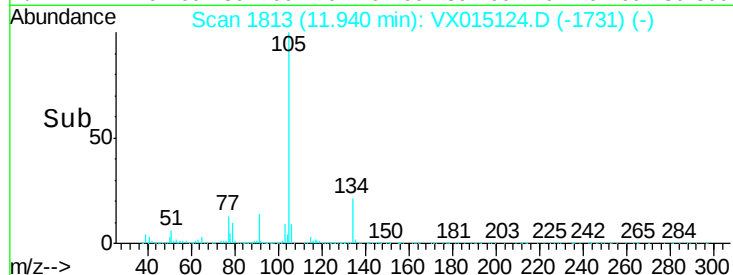
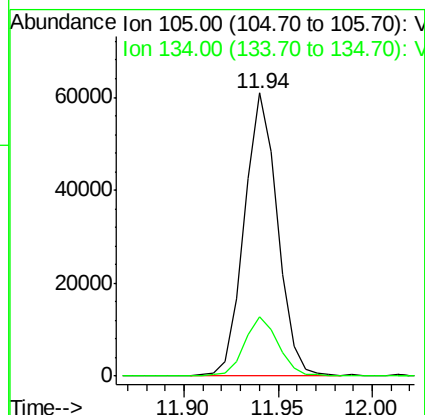
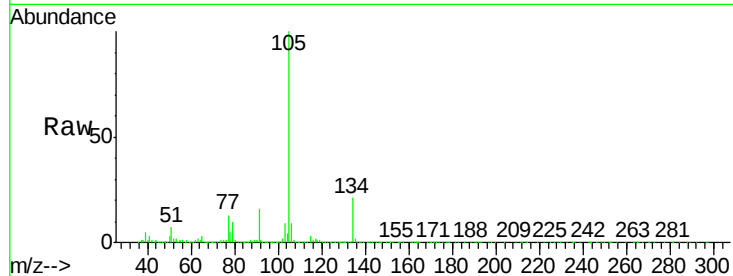
Ion Ratio Lower Upper

105 100

134 21.4 0.0 40.8

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#82

p-Isopropyltoluene

Concen: 4.730 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

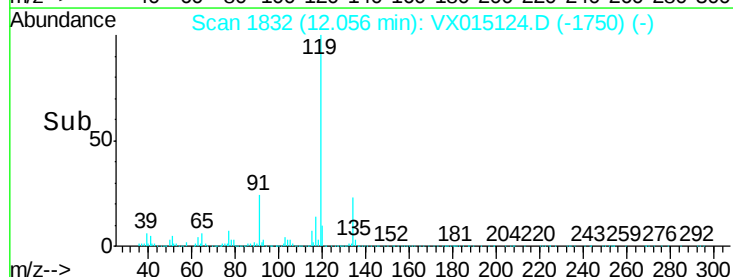
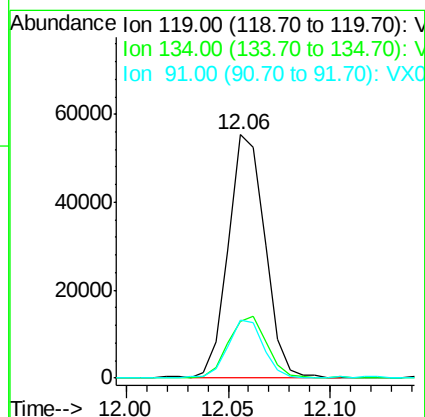
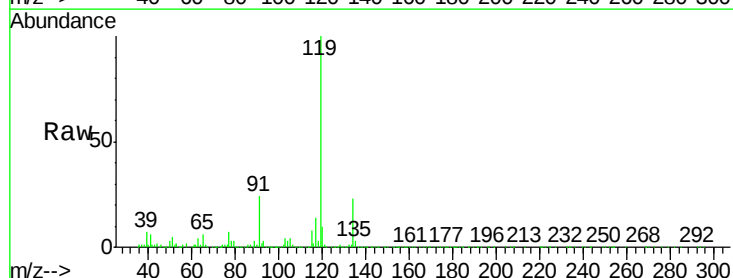
Tgt Ion:119 Resp: 68294

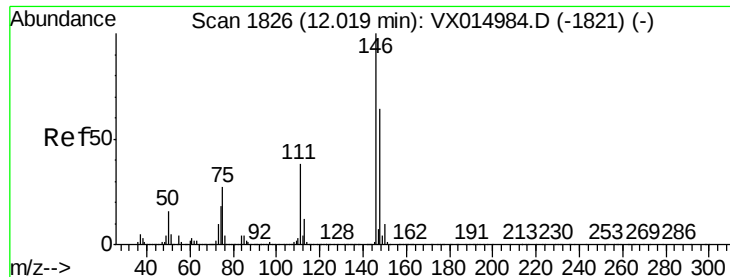
Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.2

91 22.4 0.0 44.6





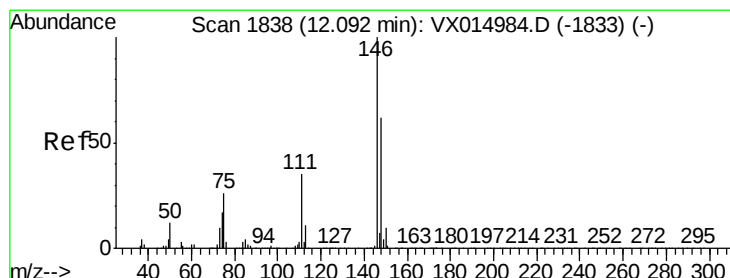
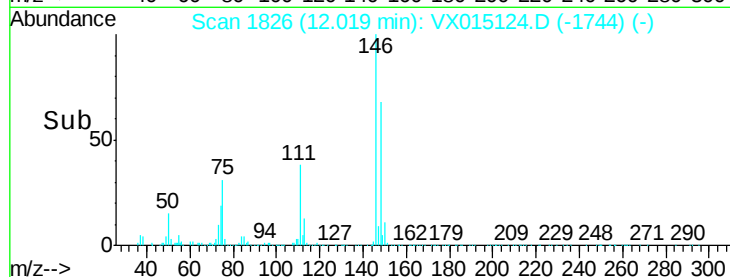
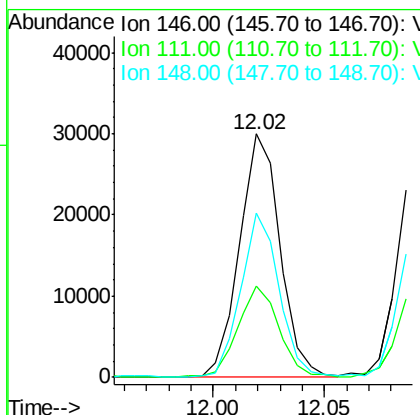
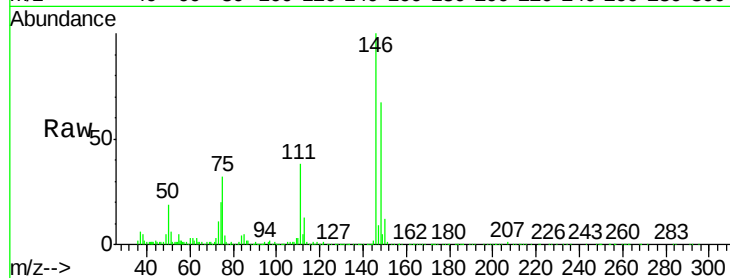
#83
 1,3-Dichlorobenzene
 Concen: 5.025 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX015124.D
 Acq: 06 Mar 2020 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	63.4	32.3	96.9

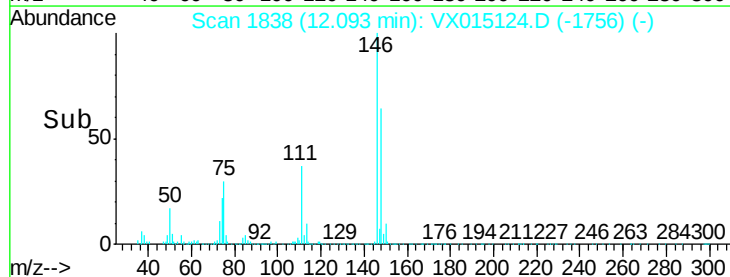
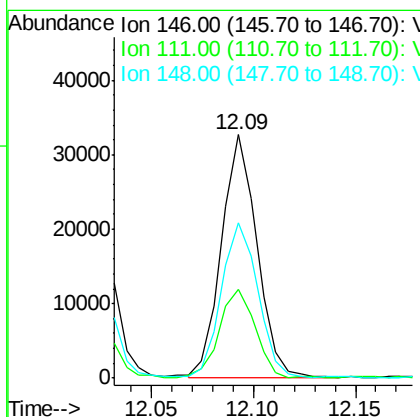
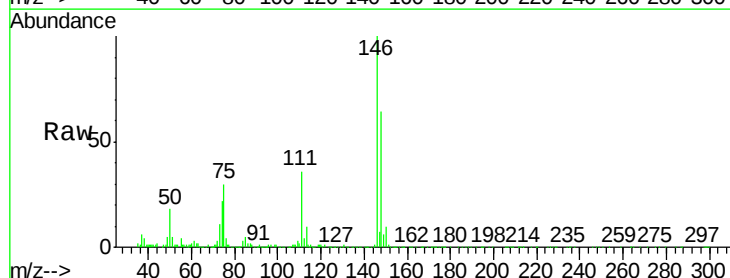
Manual Integrations
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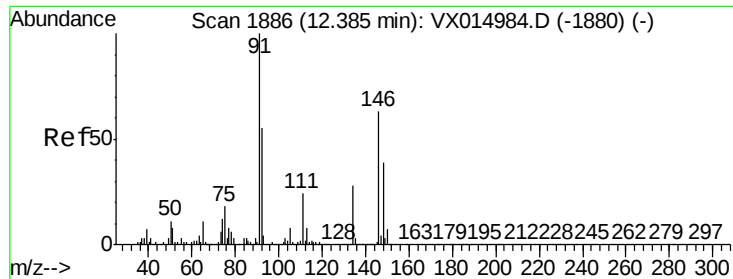
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 3/9/2020 9:36:47 AM



#84
 1,4-Dichlorobenzene
 Concen: 5.167 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX015124.D
 Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	17.8	53.5
148	65.2	31.4	94.2





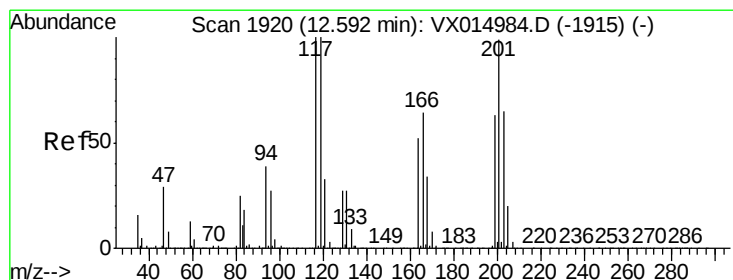
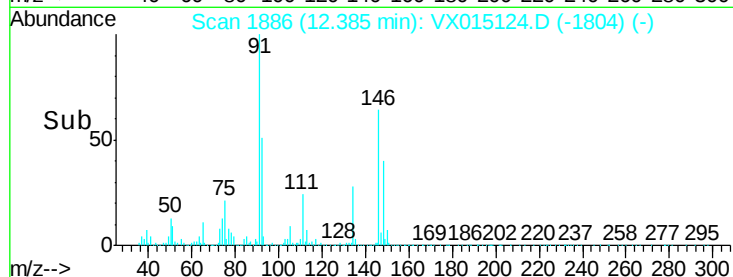
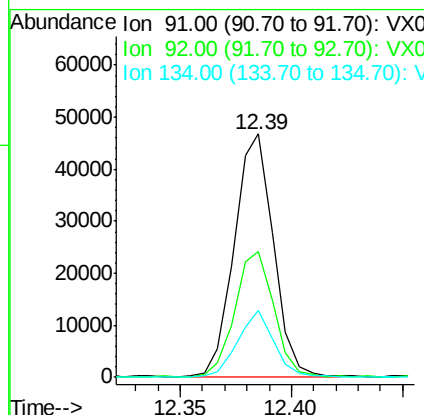
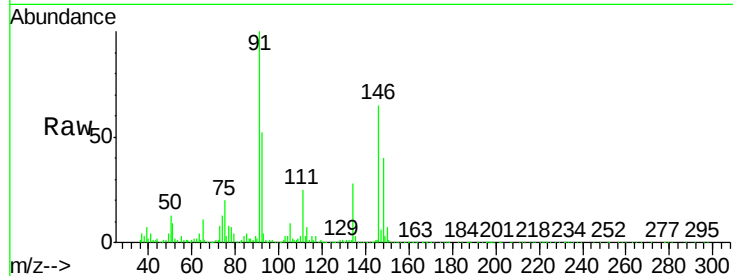
#85
n-Butylbenzene
Concen: 4.539 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	0.0	109.8
134	25.8	0.0	54.8

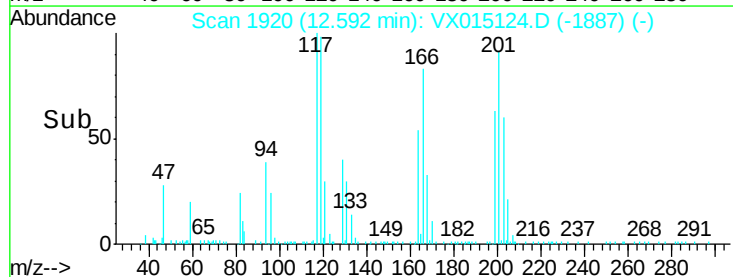
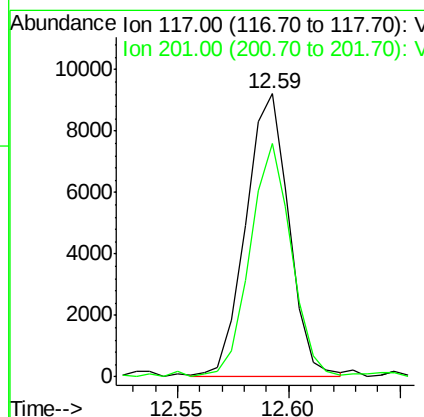
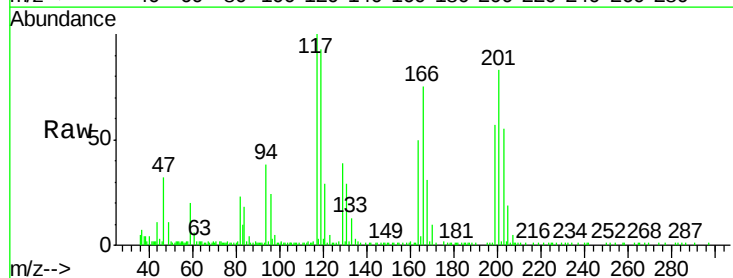
Manual Integrations
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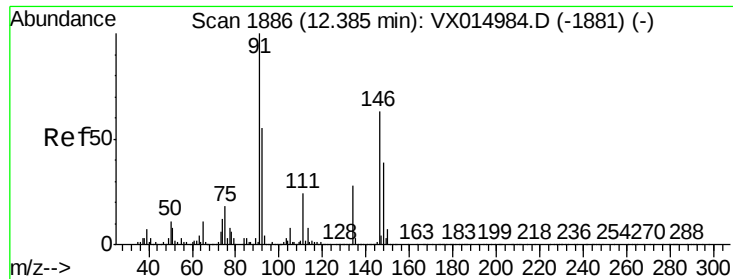
MMDadoda
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#86
Hexachloroethane
Concen: 4.714 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.8	45.6	136.7





#87

1,2-Dichlorobenzene

Concen: 5.127 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

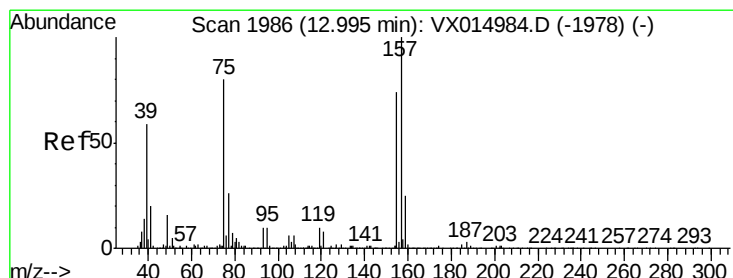
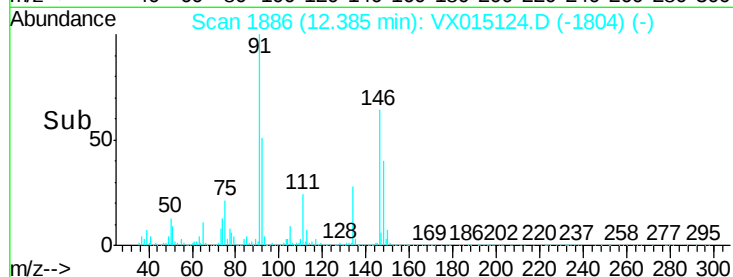
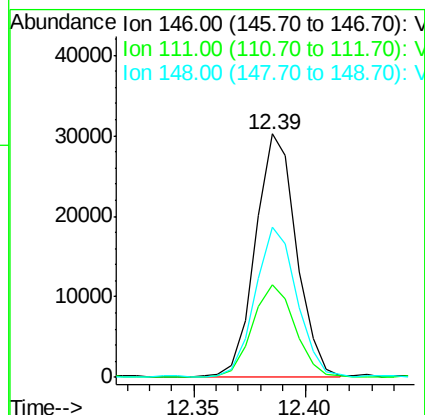
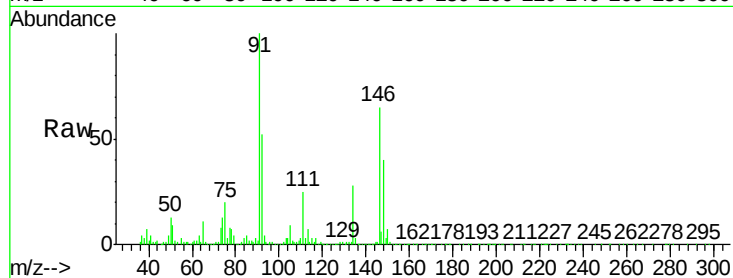
Instrument :
MSVOA_X

ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.1
148	63.2	32.0	96.0

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#88

1,2-Dibromo-3-Chloropropane

Concen: 4.128 ug/l

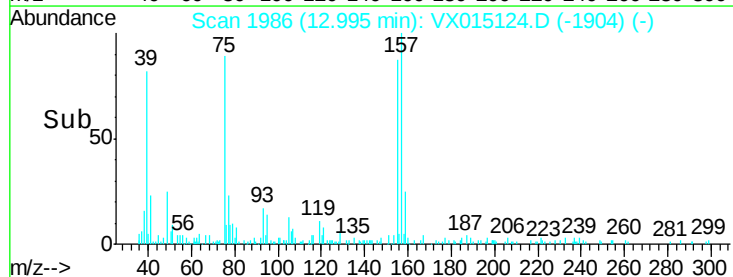
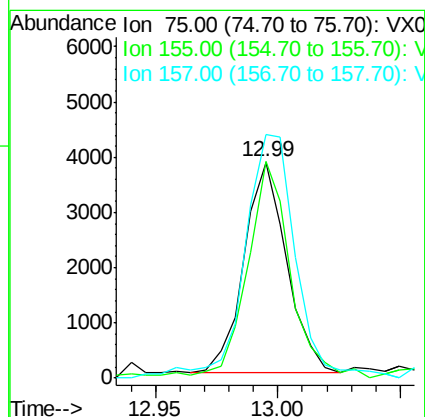
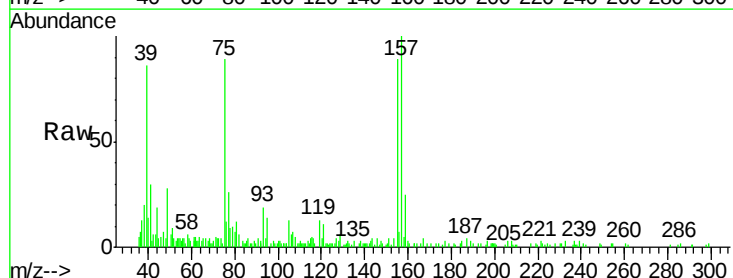
RT: 12.99 min Scan# 1986

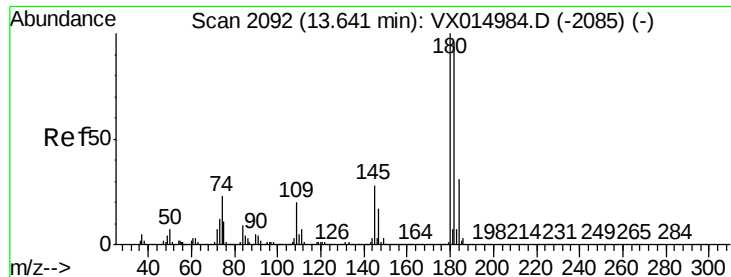
Delta R.T. 0.00 min

Lab File: VX015124.D

Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.4	74.5	111.7
157	131.8	96.2	144.4





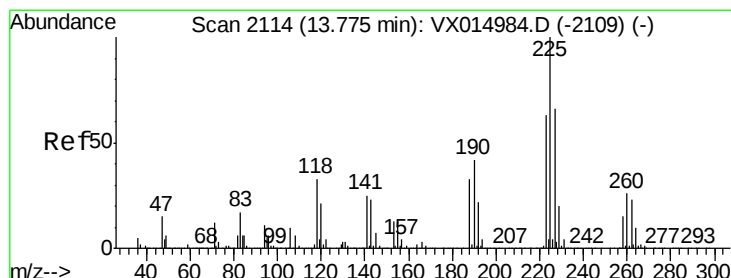
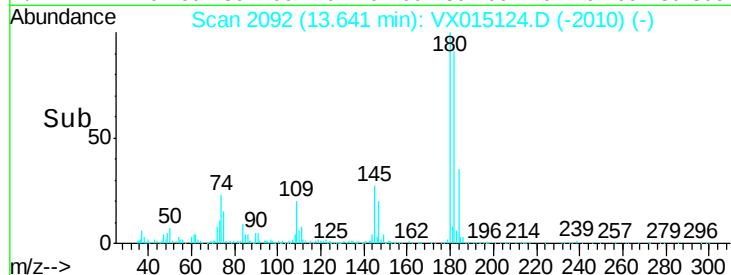
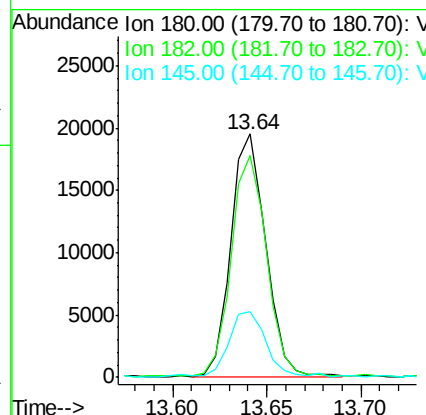
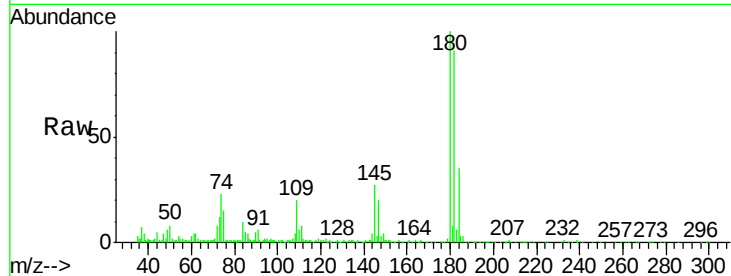
#89
1,2,4-Trichlorobenzene
Concen: 4.573 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	24845		
182	93.6	76.4	114.6	
145	28.4	21.8	32.6	

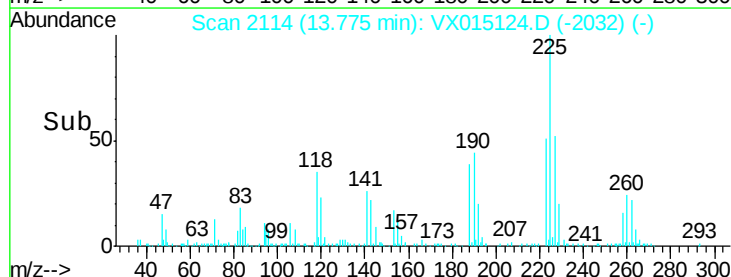
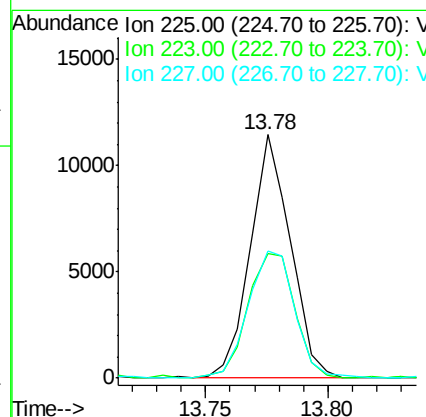
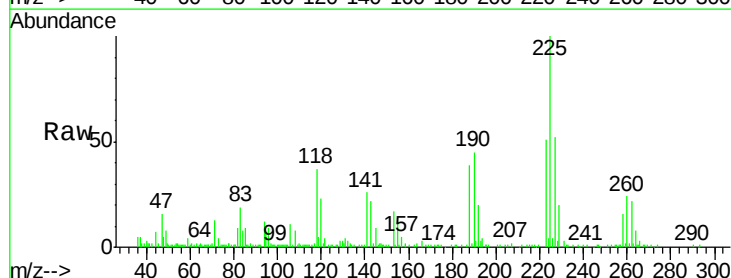
Manual Integrations
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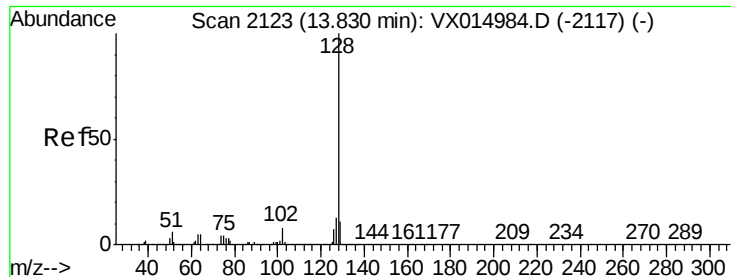
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#90
Hexachlorobutadiene
Concen: 4.875 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13152		
223	60.0	0.0	132.0	
227	60.5	0.0	131.0	





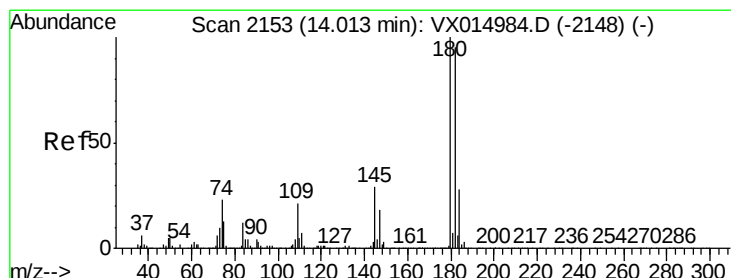
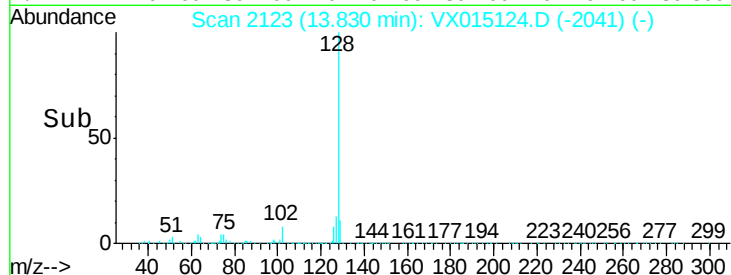
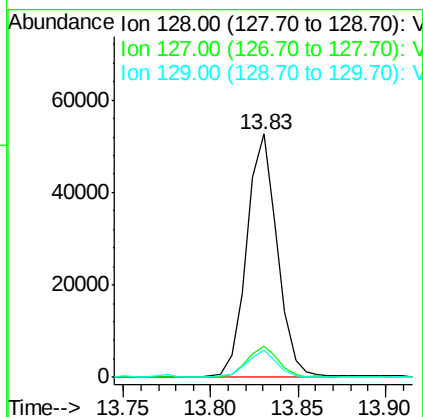
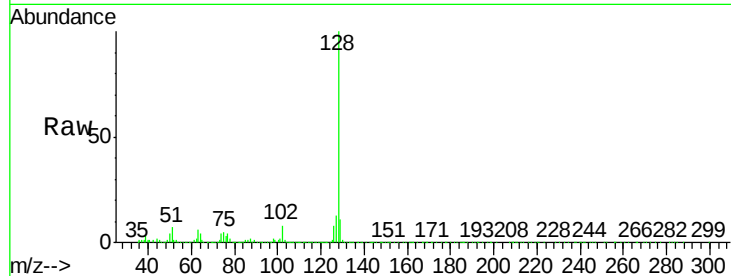
#91
Naphthalene
Concen: 4.170 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.6	8.6	13.0

Manual Integrations
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3/9/2020 9:36:47 AM



#92
1,2,3-Trichlorobenzene
Concen: 4.671 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX015124.D
Acq: 06 Mar 2020 14:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	0.0	192.4
145	30.1	0.0	60.4

